

Observations Listing by Catalog Number

ABELL 31	Cnc	Planetary Neb 3a
Mar 15 2005 8"	11mmT6 VF,PATCHY,LARGE,R=F	
ABELL 36	Vir	Planetary Neb
Jul 13 2013 18"	11mmT6 VF,VS,R=F. NO CENTRAL STAR NOTED. USED OIII FILTER.	
ABELL 56	Aql	Planetary Neb 4
Jul 03 2005 8"	19mmW DIFF,MF,VL,PATCHY,R=G	
ABELL 67	Aql	Planetary Neb 2b
Aug 13 2010 31"	17mmT4 VF,VS,AV,R=P. NO CENTRAL STAR NOTED.	
B 33	Ori	Nebula Ir
Dec 12 2012 36"	31mmT5 OUTSTANDING OBJECT W/HYDROGEN-BETA FILTER.AND VERY GOOD TRANSPARENCY.	
Dec 28 2008 31"	17mmT4 MB,VL,R=E!!!, HYDROGEN BETA FILTER.	
Dec 19 2006 31"	31mmT5 PB,VL,R=E!!!, H.BETA FILTER	
Nov 21 2006 8"	11mmT6 VF,L,AV,JUST A HINT OF THE HORSEHEAD	
Feb 20 2006 31"	31mmT5 MB,VL,R=E!!!, HYDROGEN BETA FILTER.	
Dec 07 2005 31"	31mmT5 VDARK,LIGHTBACKGROUND, AWESOME!	
B 326	Aql	Galaxy
Jul 13 2007 8"	11mmT6 PB,PL,FAINT GLOW-NO FILTER,R=G	
BOL 119	And	Globular
Aug 02 2005 8"	11mmT6 MB,ML,OVAL,MSB,R=G	
CR 21	Tri	Open Cluster III3p
Oct 29 2008 16"	17mmT4 B,CS,15+ STARS,R=F	
CR 39	Per	Open Cluster III3m
Oct 30 2007 1.9"	12x50 PB,EL,R=G, MASSIVE CLUSTER	
Nov 09 2006 8"	19mmW VL,NO COMPRESSION,R=F	
CR 62	Aur	Galaxy IV3p
Dec 28 2006 1.9"	12x50 PF,S,PATCHY,UNRESOLVED,R=F	
CR 89	Gem	Galaxy IV2pn
Dec 28 2006 1.9"	12x50 LARGE,FEW STARS,R=F	
CR 256	Com	Open Cluster III3r
Sep 19 2014 12"	35mm A B,VL,R=G, NICE LOOSE GROUP, HOME - 8/14/14	
Jul 21 2007 1.9"	12x50 B,VL,PRETTY LOOSE,R=G	
Nov 26 2006 1.9"	12x50 B,PL,LOOSE,R=F	
CR 285	UMa	Open Cluster IV1p
Jul 21 2007 1.9"	12x50 EB,EL,VERY LOOSE,R=G	
CR 331	Oph	Open Cluster II 1m
Jul 31 2005 8"	11mmT6 MF,FS,OVAL SHAPE, R=F, LOOSE GROUPING	

Observations Listing by Catalog Number

CR 350	Oph	Open Cluster IV1p
Jul 21 2007 1.9"	12x50 PB,VL,NICE CLUSTER,R=G	
Jul 03 2005 8"	19mmW VB,ML,R=F, LOOSE GROUPING	
CR 399	Vul	Open Cluster III3m
Jul 19 2017 12"	17mmT4 VERY NICE. R=G	
Nov 14 2006 1.9"	12x50 B,L,NO COMPRESSION,R=G	
CR 401	Aql	Open Cluster IV2m
Jul 03 2005 8"	19mmW VERY LOOSE GROUP, R=F	
CR 419	Cyg	Open Cluster IV2p
Aug 24 2005 8"	19mmW R=F,LOOSE GROUP, SOME NEBULASITY	
CR 421	Cyg	Open Cluster III1pn
Aug 24 2005 8"	19mmW R=F, LOOSE GROUP, FEWER STARS	
CR 428	Cyg	Open Cluster IV1pn
Aug 24 2005 8"	19mmW R=F, LOOSE GROUP, FEWER STARS	
CR 463	Cas	Galaxy III2m
Oct 13 2006 1.9"	12x50 B,S,R=F	
CR 470	Cyg	Galaxy
Jun 20 2007 1.9"	12x50 F,S,R=F, HINT-NEBULOSITY, INV. W/IC 5146	
Jun 26 2004 8"	25mmPL INVOLVED W/ IC 5146	
ESO 456-38	Sgr	Globular
Jul 13 2007 8"	7.5mmW PB,PS,RESOLVE OUTER STARS,R=G	
Jul 09 2005 8"	11mmT6 VF,VS,R=F	
HAFF 6	CMa	Open Cluster IV2rn
Dec 19 2006 31"	17mmT4 PF,PS,R=F,VMCOMPRESSED	
HENIZ 2-260	FIX	Planetary Neb
Jul 24 2006 8"	7.5mmW VF,VS,R,AV,R=F	
HENIZ 2-438	Cyg	Planetary Neb 4
Aug 18 2010 12"	26mm PF,VS,R=F,STELLAR IN APPEARANCE,OIII FILTER	
HENIZ 2-441	FIX	Planetary Neb 4
Aug 12 2005 8"	7.5mmW VF,VS,AV,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 2	Cet	Galaxy Sb
Dec 12 2012 36"	17mmT4 VF,VS,OVAL,UB,NND,R=F	

Observations Listing by Catalog Number

IC 3	Psc	Galaxy E/S0
Dec 12 2012 36"	17mmT4 PG,PD,OVAL,MEXT,FNUC,R=F	
IC 8	Psc	Galaxy Sc
Oct 09 2007 8"	11mmT6 VF,VS,OVAL,NND,AV,R=F	
IC 10	Cas	Galaxy IBm
Oct 05 2016 12"	11mmT6 PF,S,OVAL,DIFF,NND,R=F	
Nov 11 2009 12"	7.5mmW VF,PS,R,NND,AV,R=F	
Oct 25 2009 12"	11mmT6 F,PS,OVAL,NND,AV,R=F	
Aug 21 2004 8"	11mmT6 CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
IC 43	And	Galaxy SABc
Sep 12 2010 12"	7mm TV DIFF,VF,PS,R,NND,R=F	
IC 59	Cas	Nebula E+R
Sep 05 2007 8"	11mmT6 PF,L,R=F	
IC 63	Cas	Nebula E+R
Oct 21 2012 8"	11mmT6 PF,PS,Y-SHAPED,R=F	
Sep 05 2007 8"	11mmT6 PF,PS,R=P	
IC 65	And	Galaxy SAB(s)bc
Oct 17 2004 8"	7.5mmW MF,EL,EON,NND,AV,R=G	
IC 101	Psc	Galaxy S?
Dec 12 2012 36"	17mmT4 VF,VS,OVAL,UB,NND,R=F	
IC 102	Psc	Galaxy S0/a
Dec 12 2012 36"	17mmT4 VF,VS,OVAL,MEXT,UB,NND,R=F	
IC 114	Psc	Galaxy S0
Dec 12 2012 36"	17mmT4 PF,PS,OVAL,UUD,R=F,BRIGHTER TOWARDS THE MIDDLE	
IC 154	Psc	Galaxy Sb
Nov 10 2007 31"	17mmT4 VF,VS,EON,NND,R=F	
IC 156	Psc	Galaxy S?
Nov 10 2007 31"	17mmT4 PB,PS,OVAL,BNUC,R=G	
IC 166	Cas	Open Cluster 17.0 II 1 r
Sep 05 2007 8"	11mmT6 B,S,LOOSE GROUPD,R=F	
IC 171	Tri	Galaxy E?
Nov 24 2006 31"	20mmUW B,CS,OVAL,FNUC,R=F	
IC 176	Cet	Galaxy Sc:
Dec 12 2012 36"	17mmT4 VF,PS,EON,UB,NND,R=P,PA=95	

Observations Listing by Catalog Number

IC 179	And	Galaxy E
Nov 08 2010 12"	5.5mmN PF,PS,OVAL,UB,NND,R=F	
IC 194	Cet	Galaxy Sb: sp
Dec 12 2012 36"	17mmT4 VFR,VS,EON,UB,NND,R=P,PA=10	
IC 200	Tri	Galaxy
Nov 02 2005 31"	19mmW PF,ML,R,NND,R=F	
IC 221	Tri	Galaxy Sc
Dec 19 2006 31"	17mmT4 PF,L,OVAL,NND,R=F	
IC 226	Tri	Galaxy S?
Dec 19 2006 31"	17mmT4 CF,PS,OVAL,NND,R=F	
IC 227	Tri	Galaxy E
Dec 19 2006 31"	17mmT4 PB,L,OVAL,FNUC,MHISB,R=G	
IC 235	Ari	Galaxy Pec
Oct 30 2005 31"	17mmT4 MF,MS,R,NND,R=F	
IC 238	Ari	Galaxy S0
Oct 30 2005 31"	17mmT4 MB,ML,EL,OVAL,RNUC,R=G	
IC 239	And	Galaxy SAB(rs)cd
Oct 29 2006 8"	19mmW PF,PS,OVAL,NND,R=F	
IC 240	And	Non-Existent
Oct 10 2012 18"	8.8 ES NON-EXISTENT	
IC 248	Ari	Galaxy Sa:
Oct 30 2005 31"	17mmT4 MB,ML,OVAL,FNUC,R=G	
IC 257	Per	Galaxy S0-:
Oct 10 2012 18"	8.8 ES PF,S,OVAL,UB,NND,R=G	
IC 284	Per	Galaxy SAdm
Oct 10 2012 18"	8.8 ES PF,S,OVAL,MEXT,UB,NND,AV,R=F	
Nov 21 2006 8"	11mmT6 VF,S,OVAL,NND,AV,R=F	
Nov 09 2004 8"	7.5mmW VF,EL,OVAL,NND,AV,R=F	
IC 289	Cas	Planetary Neb 4+2
Aug 31 2010 12"	7mm TV PF,PS,R=F. NO CENTRAL STAR NOTED.	
IC 293	Per	Galaxy E-S0
Dec 13 2012 18"	7mm TV VF,VS,R,UB,NND,R=F	

Observations Listing by Catalog Number

IC 301	Per	Galaxy E
Dec 13 2012 18"	8.8 ES PF,PS,R,FNUC,AV,R=F,NUCLEUS POPS IN/OUT WITH AV.	
Oct 10 2012 18"	8.8 ES DIFF,PF,PS,R,UB,NND,R=F	
IC 309	Per	Galaxy SA(s)0^
Dec 13 2012 18"	7mm TV PF,PS,R,FNUC,R=F	
IC 329	Tau	Galaxy S?
Dec 13 2012 18"	7mm TV PF,PS,OVAL,UB,NND,R=F	
IC 330	Tau	Galaxy Sab
Dec 13 2012 18"	7mm TV VF,VS,OVAL,PEXT,UB,NND,AV,R=F	
IC 331	Tau	Galaxy S?
Dec 13 2012 18"	7mm TV PF,PS,R,UB,NND,R=F	
IC 334	Cam	Galaxy S?
Oct 12 2012 18"	7mm TV F,S,OVAL,BNUC,R=G	
IC 342	Cam	Galaxy SAB(rs)cd
Oct 12 2012 18"	7mm TV DIFF,F,L,R,UB,NND,R=G	
IC 347	Eri	Galaxy SAB(r)0^:
Nov 24 2006 8"	11mmT6 VF,VS,OVAL,NND,AV,R=F	
IC 348	Per	Open Cluster 10.0 III 2 p n
Nov 09 2004 8"	11mmT6 LOOSE GROUP - NOT MANY STARS	
IC 351	Per	Planetary Neb 2a
Dec 18 2006 31"	20mmUW PB,VS,R,R=G	
IC 356	Cam	Galaxy SA(s)ab pec
Oct 12 2012 18"	7mm TV F,L,OVAL,BNUC,R=G, SPIRAL ARM NORTH	
IC 361	Cam	Open Cluster 14.0 II 2 r F,L (NEB CL?)
Oct 12 2012 18"	7mm TV R=F	
IC 374	Tau	Galaxy
Dec 18 2006 31"	20mmUW PF,S,EON,NND,R=F	
IC 381	Cam	Galaxy SAB(rs)bc
Oct 12 2012 18"	7mm TV PF,PS,OVAL,PEXT,UB,NND,R=F,PA=90	
IC 391	Cam	Galaxy SA(s)c
Oct 12 2012 18"	7mm TV PF,PS,R,FNUC,R=F	
IC 396	Cam	Galaxy S?
Oct 12 2012 18"	7mm TV PF,PS,OVAL,FNUC,R=F	

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IC	405	Aur	Nebula E	
	Dec 07 2005 8"	11mmT6	DARK DUSTLANE LOW SURFACE BRIGHTNESS	
IC	410	Aur	Nebula E	DIF, MANY ST INV
	Nov 26 2006 1.9"	19mmW	NEBULA ASSOCIATED WITH NGC 1893	
	Nov 21 2006 8"	11mmT6	PB,L,IRREGULARSHAPE,R=G	
	Jan 26 2006 8"	19mmW	NEBULA ASSOCIATED WITH NGC 1893	
IC	418	Lep	Planetary Neb 4	
	Dec 28 2008 31"	17mmT4	VB,VS,R,R=G, CENTRAL STAR	
IC	420	Ori	Nebula R	
	Feb 20 2006 31"	31mmT5	F,VS,R=F, OIII	
IC	424	Ori	Nebula R	
	Feb 20 2006 31"	31mmT5	VF,VS,R=F, OIII	
IC	426	Ori	Nebula R	
	Feb 20 2006 31"	31mmT5	MB.ML,R=F, OIII	
IC	431	Ori	Nebula R	
	Jan 24 2009 31"	17mmT4	PF,PS, HINT OF NEBULOSITY,R=F	
	Nov 21 2006 8"	11mmT6	PF,S,R=F	
IC	432	Ori	Nebula R	
	Jan 24 2009 31"	17mmT4	PF,PS, HINT OF NEBULOSITY,R=F	
	Nov 21 2006 8"	11mmT6	F,L,R=F	
IC	434	Ori	Nebula E	
	Nov 21 2006 8"	11mmT6	PF,VL,R=F	
IC	435	Ori	Nebula R	
	Jan 24 2009 31"	17mmT4	PF,PS, HINT OF NEBULOSITY,R=F	
IC	440	Cam	Galaxy SA(r)ab	
	Oct 12 2012 18"	7mm TV	PF,PS,OVAL,UB,NND,R=F,PA=120	
IC	442	Cam	Galaxy S?	
	Oct 12 2012 18"	7mm TV	PF,PS,R,FNUC,R=F	
IC	443	Gem	Nebula E	
	Nov 25 2006 8"	11mmT6	F,EL,R=F	
IC	445	Cam	Galaxy S0?	
	Oct 12 2012 18"	7mm TV	PF,PS,OVAL,UB,NND,R=F	
IC	446	Mon	Nebula bipolar	
	Dec 15 2004 8"	11mmT6	F,PATCH,R-F	

Observations Listing by Catalog Number

IC 449	Cam	Galaxy E:
Oct 12 2012 18"	7mm TV PF,PS,OVAL,MEXT,NND,R=F,BRIGHTER TO NE.	
IC 450	Cam	Galaxy SAB0+:
Oct 12 2012 18"	7mm TV VF,VS,OVAL,UB,NND,AV2,R=P	
IC 451	Cam	Galaxy SAB(r)b:
Nov 10 2012 18"	7mm TV VF,VS,OVAL,UB,NND,AV2,R=F	
IC 455	Cep	Galaxy S0
Nov 16 2012 18"	5mm TV VF,VS,OVAL,NND,R=F	
IC 456	CMa	Galaxy SB(rs)0^
Dec 20 2006 31"	17mmT4 PB,FL,OVAL,FNC,R=G	
IC 458	Lyn	Galaxy S0-:
Nov 10 2012 18"	7mm TV PF,PS,OVAL,UB,NND,R=F	
Feb 01 2005 31"	17mmT4 MB,R,FNUC,MSB,R=G	
IC 459	Lyn	Galaxy C
Feb 01 2005 31"	17mmT4 VF,OVAL,NND,AV,R=F	
IC 460	Lyn	Galaxy
Feb 01 2005 31"	17mmT4 VF,MS,EL,NND,LSB,R=F	
IC 461	Lyn	Galaxy S
Feb 01 2005 31"	17mmT4 MF,OVAL,NND,R=F	
IC 464	Lyn	Galaxy E?
Feb 01 2005 31"	17mmT4 MB,S,EON,OVAL,NND,R=G	
IC 465	Lyn	Galaxy S?
Feb 01 2005 31"	17mmT4 MB,MS,EL,FNUC,MSB,R=G	
IC 467	Cam	Galaxy SAB(s)c:
Feb 01 2005 31"	17mmT4 MB,ML,OVAL,PATCH,NND,R=G	
IC 468	CMa	Nebula E
Dec 19 2006 31"	31mmT5 NORTHERN PART OF NGC2359 - NO FILTER	
Dec 19 2006 31"	31mmT5 NORTHERN PART OF NGC2359 - OIII FILTER!!!	
Nov 22 2006 8"	11mmT6 F,L,IRREGULARSHAPE,R=F	
IC 469	Cep	Galaxy SAB(rs)ab:
Nov 16 2012 18"	5mm TV VF,VS,OVAL,VEXT,NND,AV2,R=F	
IC 499	Cam	Galaxy Sa
Nov 16 2012 18"	7mm TV PF,PS,OVAL,MEXT,UB,NND,R=G	

Observations Listing by Catalog Number

IC	511	Cam	Galaxy S0/a:
May 25 2014	18"	8mm Ds	PF,PS,OVAL,PEXT,UB,NND,AV1,R=F
IC	512	Cam	Galaxy SAB(s)cd
May 25 2014	18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F
IC	520	Cam	Galaxy SAB(rs)ab?
Mar 08 2013	18"	7mm TV	PF,PS,OVAL,UB,NND,R=F
IC	529	Cam	Galaxy SA(s)c:
May 25 2014	18"	8mm Ds	PF,PS,OVL,PEXT,UB,NND,R=F
IC	601	Leo	Galaxy S?
Apr 19 2006	31"	19mmW	PF,PS,EON,NND,R=F
IC	602	Leo	Galaxy S:
Apr 19 2006	31"	19mmW	VB,PL,OVAL,BNUC,HISB,R=G
IC	606	Leo	Non-Existent
Apr 19 2006	31"	19mmW	PB,PL,OVAL,BNUC,MSB,R=G
IC	607	Leo	Galaxy SB(rs)bc
Apr 19 2006	31"	19mmW	DIFF,PF,PL,OVAL,NND,R=F
IC	610	Leo	Galaxy Sbc
Apr 19 2006	31"	19mmW	PB,VL,EON,UB,HISB,R=G
IC	612	Leo	Galaxy S
Apr 19 2006	31"	19mmW	B,PS,OVAL,UB,R=F
IC	613	Leo	Galaxy E
Apr 19 2006	31"	19mmW	PB,PL,R,FNUC,R=G
IC	615	Leo	Galaxy S
Apr 19 2006	31"	19mmW	PB,VL,EON,FNUC,MSB,R=G
IC	616	Leo	Galaxy Scd:
Apr 19 2006	31"	19mmW	PF,PL,R,NND,R=F
IC	620	Leo	Galaxy
Apr 19 2006	31"	19mmW	F,PS,OVAL,UB,NND,R=F
IC	635	Leo	Galaxy S?
Apr 19 2006	31"	19mmW	F,PL,EON,UB,NND,R=F
IC	637	Leo	Galaxy
Apr 19 2006	31"	19mmW	F,PS,R,NND,R=F

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IC 638	Leo	Galaxy SAB(s)bc
Apr 19 2006 31"	19mmW PF,PS,OVAL,NND,R=F	
IC 639	Leo	Galaxy Sb
Apr 19 2006 31"	19mmW PF,PS,CE,UB,NND,R=F	
IC 642	Leo	Galaxy E?
Apr 19 2006 31"	19mmW PB,PL,R,FNUC,MSB,R=G	
IC 643	Leo	Galaxy
Apr 19 2006 31"	19mmW B,PL,CE,FNUC,MSB,R=G	
IC 648	Leo	Galaxy Sc
Apr 19 2006 31"	19mmW F,PL,OVAL,NND,R=F	
IC 663	Leo	Galaxy
Apr 19 2007 31"	17mmT4 PF,PS,OVAL,UB,NND,R=F	
IC 664	Leo	Galaxy S0?
Apr 19 2007 31"	17mmT4 FB,L,OVAL,UB,NND,R=F	
IC 666	Leo	Galaxy
Apr 19 2007 31"	17mmT4 B,PS,OVAL,UB,NND,R=F	
IC 676	Leo	Galaxy (R)SB(r)0+
Mar 08 2013 18"	7mm TV PF,PS,OVAL,UB,NND,R=F	
IC 677	Leo	Galaxy Sbc
Mar 08 2013 18"	7mm TV PF,PS,OVAL,PEXT,UB,NND,R=F	
IC 683	Leo	Galaxy D
Apr 15 2007 31"	17mmT4 PF,PS,R,UB,NND,R=F	
IC 694	UMA	Galaxy SBm? pec
Jun 22 2012 18"	8.8 ES PF,PS,R,UB,NND,R=F,PAIRED W/NGC-3690	
IC 700	Leo	Galaxy S0?
Apr 26 2008 31"	17mmT4 VF,VS,OVAL,UB,NND,R=F	
IC 732	Leo	Galaxy S0?
May 07 2007 31"	17mmT4 PF,PS,OVAL,UB,NND,R=F	
IC 761	Crv	Galaxy S0
Apr 07 2008 31"	17mmT4 B,VS,OVAL,UB,NND,R=F	
IC 766	Crv	Galaxy SAB(r)0+? sp
Apr 07 2008 31"	17mmT4 B,PS,EON,UB,FNUC,R=G	

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IC 834	Com	Galaxy S
May 18 2009 31"	17mmT4 PF,CS,OVAL,FNUC,MHISB,R=F	
IC 835	Com	Galaxy S?
May 18 2009 31"	17mmT4 CF,CL,R,UB,NND,R=F	
IC 836	Dra	Galaxy S
Feb 23 2006 31"	17mmT4 PB,PL,EON,FNUC,HISB,R=G	
IC 858	Com	Galaxy S0?
May 12 2005 31"	19mmW MB,ML,OVAL,FNUC,MHISB,R=G	
IC 859	Com	Galaxy
May 12 2005 31"	19mmW MB,FS,R,FNUC,R=F	
IC 982	Boo	Galaxy SA0+
May 22 2006 31"	19mmW F,CS,R,NND,R=F	
IC 983	Boo	Galaxy SB(r)bc
Sep 19 2014 12"	17mmAT 5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14	
May 22 2006 31"	19mmW VF,PL,OVAL,PATCHY,NND,R=F	
IC 1042	Vir	Galaxy S0?
May 23 2012 18"	8.8 ES PF,PS,R,UB,NND,R=F	
IC 1152	Her	Galaxy E
May 21 2009 16"	11mmT6 CF,CS,R,UB,NND,R=F	
IC 1153	Her	Galaxy S0
May 21 2009 16"	11mmT6 CF,CS,R,UB,NND,R=F	
IC 1156	Her	Galaxy E
May 21 2009 16"	11mmT6 VF,CS,OVAL,NND,AV,R=F	
IC 1231	Dra	Galaxy Scd:
Sep 05 2010 12"	5.5mmN CF,CS,OVAL,MEXT,UB,NND,R=F,PA=10	
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	
IC 1283	Sgr	Nebula E+R
Sep 05 2007 8"	11mmT6 F,PL,R=F	
IC 1288	Lyr	Galaxy SBa
Aug 16 2009 31"	17mmT4 CF,CS,OVAL,UB,NND,R=F	

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IC 1289	Lyr	Galaxy S	
Aug 16 2009 31"	17mmT4 CF,S,R,UB,NND,R=F		
IC 1296	Lyr	Galaxy SBbc	
Aug 16 2009 31"	17mmT4 VF,S,EL,OVAL,NND,AV,R=F		
IC 1297	CrA	Planetary Neb	
Aug 29 2010 12"	7mm TV PF,VS,R=F. NO CENTRAL STAR NOTED		
IC 1298	Aql	Open Cluster	VS CL, 6778 P 3'
Sep 01 2008 31"	17mmT4 OPEN CLUSTER?? NOTHING ELSE THERE.		
IC 1301	Cyg	Galaxy Scd:	
Aug 13 2010 31"	17mmT4 CF,PS,OVAL,UB,NND,R=F		
Jul 27 2009 16"	11mmT6 VF,VS,OVAL,NND,AV,R=F		
IC 1302	Cyg	Galaxy SAB(s)c?	
Aug 13 2010 31"	17mmT4 PF,CS,OVAL,MEXT,UB,NND,R=F		
Jul 27 2009 16"	11mmT6 VF,VS,OVAL,NND,AV,R=F		
IC 1303	Cyg	Galaxy SAc:	
Aug 13 2010 31"	17mmT4 PF,CS,OVAL,PEXT,UB,NND,R=F		
Jul 27 2009 16"	11mmT6 VF,VS,OVAL,NND,AV,R=F		
IC 1311	Cyg	Open Cluster 17.0 I 1 r n	
Aug 02 2005 8"	19mmW NICE CLUSTER, NICER NEBULA		
IC 1313	Cap	Galaxy (R')SB(r)ab	
Sep 28 2008 31"	17mmT4 F,S,OVAL,UB,NND,R=F		
IC 1317	Aql	Galaxy E+?	
Aug 31 2008 31"	17mmT4 CF,CS,R,UB,NND,R=F		
IC 1318	Cyg	Nebula E	
Aug 18 2010 12"	26mm F,PL,R=G,IRREGULAR SHAPE,LARGE,OIII FILTER		
IC 1319	Cap	Galaxy Sb	
Sep 28 2008 31"	17mmT4 VF,S,R,UB,NND,R=F		
IC 1320	Del	Galaxy SB(s)b?	
Sep 25 2006 31"	19mmW PF,S,OVAL,NND,R=F		
IC 1321	Cap	Galaxy (R')SB(r)bc	
Sep 28 2008 31"	17mmT4 CF,VS,R,NND,R=F		
IC 1324	Cap	Galaxy (R')SA(rs)0/a:	
Sep 28 2008 31"	17mmT4 F,S,R,UB,NND,R=F		

Observations Listing by Catalog Number

IC	1327	Aqr	Galaxy S0+?	
Aug 31 2008 31"	17mmT4	VF,VS,R,NND,AV,R=F		
IC	1328	Cap	Galaxy S	
Sep 28 2008 31"	17mmT4	EF,ES,OVAL,NND,AV,R=F		
IC	1330	Aqr	Galaxy Sc? sp	
Sep 27 2005 31"	17mmT4	VB,M<EL,EON,FNUC,MSB,R=G		
IC	1331	Aqr	Galaxy (R')SB(r)0/a:	
Sep 27 2005 31"	17mmT4	MB,ML,EL,EON,FNUC,MSB,R=G		
IC	1334	Cap	Galaxy SAa:	F, S
Sep 28 2008 31"	17mmT4	F,S,EL,OVAL,NND,R=F		
IC	1336	Cap	Galaxy Sa?	
Sep 28 2008 31"	17mmT4	EF,ES,R,NND,AV,R=P		
IC	1341	Aqr	Galaxy S0	
Sep 27 2005 31"	17mmT4	VF,ML,OVAL,NND,R=F		
IC	1342	Aqr	Galaxy S?	
Sep 27 2005 31"	17mmT4	VB,VL,OVAL,FNUC,MSB,R=G		
IC	1344	Aqr	Galaxy	
Sep 27 2005 31"	17mmT4	MB,ML,EL,EON,FNUC,MSB,R=G		
IC	1347	Aqr	Galaxy S0^ pec:	
Sep 27 2005 31"	17mmT4	MB,ML,R,FNUC,R=G		
IC	1348	Aqr	Galaxy	F, VS, R, BM
Sep 27 2005 31"	17mmT4	VF,MS,R,NND,R=F		
IC	1350	Aqr	Galaxy S	
Sep 27 2005 31"	17mmT4	MB,ML,R,FNUC,MSB,R=F		
IC	1356	Cap	Galaxy S	
Sep 28 2008 31"	17mmT4	F,VS,R,UB,NND,R=F		
IC	1357	Aqr	Galaxy (R')SB(s)a:	
Sep 27 2005 31"	17mmT4	MF,ML,EL,NND,R=F		
IC	1359	Del	Galaxy S?	
Sep 25 2006 31"	19mmW	FB,FS,EON,NND,R=G		
IC	1368	Aqr	Galaxy Sa? sp	
Oct 05 2005 31"	17mmT4	VF,VS,EL,EON,NND,R=F		

Observations Listing by Catalog Number

IC	1369	Cyg	Open Cluster 12.1 II 2 m
Jun 26 2004	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON
IC	1370	Aqr	Galaxy C
Oct 05 2005	31"	17mmT4	VF,VS,R,NND,R=F
Oct 05 2005	31"	17mmT4	VF,VS,EL,EON,NND,R=F
IC	1373	Aqr	Galaxy
Oct 05 2005	31"	17mmT4	VF,VS,OVAL,NND,R=F
IC	1374	Aqr	Galaxy S
Oct 05 2005	31"	17mmT4	VF,VVS,OVAL,NND,R=F
IC	1380	Peg	Galaxy
Sep 25 2006	31"	19mmW	PF,VS,R,NND,R=F
IC	1381	Aqr	Galaxy SB
Oct 05 2005	31"	17mmT4	EF,VS,R,NND,AV,R=F
IC	1383	Aqr	Galaxy
Oct 05 2005	31"	17mmT4	VF,ES,R,NND,R=F
IC	1384	Aqr	Galaxy Irr
Oct 05 2005	31"	17mmT4	VF,VS,R,NND,R=F
IC	1385	Aqr	Galaxy SBcd
Oct 05 2005	31"	17mmT4	VVF,VS,R,NND,AV,R=F
IC	1386	Cap	Galaxy SA0-:
Sep 28 2008	31"	17mmT4	CF,CS,OVAL,UB,NND,R=F
IC	1387	Aqr	Galaxy
Oct 05 2005	31"	17mmT4	VF,ML,OVAL,NND,R=F
Oct 05 2005	31"	17mmT4	F,PS,OVAL,NND,R=F
IC	1388	Aqr	Galaxy
Oct 05 2005	31"	17mmT4	PF,VS,R,FNUC,R=F
IC	1390	Aqr	Galaxy B R
Oct 05 2005	31"	17mmT4	PF,PS,R,NND,AV,R=F
IC	1391	Aqr	Galaxy E
Oct 05 2005	31"	17mmT4	PF,PS,OVAL,NND,R=F
IC	1392	Cyg	Galaxy S0-:
Jul 23 2006	8"	7.5mmW	VF,ES,OVAL,NND,AV,R=F
IC	1393	Cap	Galaxy S0
Sep 28 2008	31"	17mmT4	VF,VS,OVAL,NND,R=F

Observations Listing by Catalog Number

IC	1394	Peg		Galaxy C
	Sep 25 2006 31"	19mmW	F,S,R,NND,R=F	
IC	1395	Peg		Galaxy C
	Sep 25 2006 31"	19mmW	PF,PS,OVAL,NND,R=F	
IC	1396	Cep		Open Cluster II3mn
	Sep 07 2005 8"	19mmW	**STARS,BRIGHT, NICE DUST LANES,R=G	
	May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
IC	1398	Peg		Galaxy Sc
	Nov 03 2013 36"	17mmT4	PF,PS,R,UB,NND,R=F	
	Sep 25 2006 31"	19mmW	PF,PS,EL,OVAL,NND,R=F	
IC	1399	Peg		Galaxy C
	Sep 25 2006 31"	19mmW	PF,PS,R,NND,R=F	
IC	1401	Aqr		Galaxy SAB(r)bc:
	Oct 05 2005 31"	17mmT4	MF,ML,EL,NND,MHISB,R=F	
IC	1405	Aqr		Galaxy SBab
	Oct 05 2005 31"	17mmT4	F,ML,OVAL,NND,R=F	
IC	1406	Aqr		Galaxy
	Oct 05 2005 31"	17mmT4	PF,VS,OVAL,NND,R=F	
IC	1408	Cap		Galaxy S0
	Sep 28 2008 31"	17mmT4	PF,VS,EL,OVAL,UB,NND,R=F	
IC	1411	Aqr		Galaxy E
	Oct 05 2005 31"	17mmT4	PB,ML,OVAL,BNUC,HISB,R=G	
IC	1414	Peg		Galaxy CB
	Sep 25 2006 31"	19mmW	F,L,R,NND,R=F	
IC	1417	Aqr		Galaxy Sb? sp
	Oct 05 2005 31"	17mmT4	PB,PL,EL,FNUC,R=G	
IC	1418	Peg		Galaxy S?
	Sep 25 2006 31"	19mmW	VF,VS,R,NND,AV,R=F	
IC	1420	Peg		Galaxy SB?
	Sep 25 2006 31"	19mmW	B,PS,OVAL,NND,R=F	
IC	1421	Aqr		Galaxy
	Oct 05 2005 31"	17mmT4	PF,PS,R,NND,R=F	
IC	1422	Peg		Galaxy
	Sep 25 2006 31"	19mmW	VF,CS,R,NND,AV,R=F	

Observations Listing by Catalog Number

IC	1423	Peg		Galaxy SBb	
	Sep 25 2006 31"	19mmW	CF,PS,OVAL,NND,R=F		
IC	1425	Peg		Galaxy	
	Sep 25 2006 31"	19mmW	VF,PS,R,NND,R=F		
IC	1427	Peg		Galaxy E	
	Sep 25 2006 31"	19mmW	PF,PS,OVAL,NND,AV,R=F		
IC	1428	Peg		Galaxy	
	Sep 25 2006 31"	19mmW	VF,VS,OVAL,NND,AV,R=F		
IC	1433	Aqr		Galaxy S	
	Nov 02 2010 31"	17mmT4	CF,PS,OVAL,UB,FNUC,R=F		
IC	1434	Lac		Open Cluster 12.0 III 2 m	
	Nov 16 2012 18"	11mmT6	LOOSE GROUP,15-20 STARS,R=F		
IC	1438	Aqr		Galaxy (R')SAB(rs)a:	
	Oct 31 2010 12"	5.5mmN	DIFF,CF,PS,R,UB,NND,R=F		
IC	1442	Lac		Open Cluster 12.0 III 1 p	
	Nov 16 2012 18"	11mmT6	TIGHT GROUP, STARS=20+,R=F		
IC	1444	Peg		Galaxy	
	Sep 25 2006 31"	19mmW	VF,CS,R,NND,AV,R=F		
IC	1461	Peg		Galaxy S?	
	Nov 03 2013 36"	17mmT4	PF,PS,OVAL,FNUC,R=F		
IC	1478	Peg		Galaxy Sb	VF, S, DIF
	Nov 03 2013 36"	17mmT4	CF,CS,OVAL,UB,NND,R=F		
IC	1487	Peg		Galaxy SB?	
	Oct 25 2006 31"	17mmT4	PF,PS,OVAL,NND,R=F		
IC	1495	Aqr		Galaxy Sb	
	Oct 09 2007 8"	11mmT6	PF,PS,OVAL,NND,AV,R=F		
IC	1529	Cet		Galaxy (R')SA(r)0^ p	
	Nov 10 2012 18"	7mm TV	VF,PS,OVAL,UB,NND,R=F		
IC	1534	And		Galaxy S0	
	Oct 12 2012 18"	7mm TV	VF,VS,EON,UB,NND,R=F,PA=160		
IC	1535	And		Galaxy S	
	Oct 12 2012 18"	7mm TV	VF,VS,EON,UB,NND,R=F,PA=45		

Observations Listing by Catalog Number

IC	1536	And	Galaxy E/S0
	Oct 12 2012 18"	7mm TV	PF,VS,OVAL,UB,NND,R=F,15.4 MAG.
IC	1590	Cas	Open Cluster 9.0 n
	Oct 31 2010 12"	11mmT6	R=F, SMALL GROUP SOME NEBULOSITY
	Sep 12 2010 12"	11mmT6	PF,PS,R=P,STARS 6+ SOME ASSOCIATED NEBULOSITY
IC	1718	Tri	Galaxy Compact
	Nov 24 2006 31"	20mmUW	PF,S,R,NND,R=F
IC	1727	Tri	Galaxy SB(s)m
	Oct 29 2008 16"	17mmT4	PF,CS,EON,UB,NND,R=F
	Nov 10 2007 31"	17mmT4	DIFF,PF,CL,OVAL,NND,R=F
	Nov 24 2006 31"	20mmUW	PF,CL,EON,NND,R=F
	Nov 09 2004 8"	11mmT6	VF,EL,NND,AV,R=F
IC	1747	Cas	Planetary Neb 3b
	Oct 31 2010 12"	7mm TV	VF,VS,R=P. STELLAR
	Sep 12 2010 12"	5.5mmN	PF,VVS,R=P,STELLAR
IC	1784	Tri	Galaxy SA(rs)bc pec:
	Dec 19 2006 31"	17mmT4	DIFF,PF,PL,OVAL,NND,R=F
IC	1785	Tri	Galaxy E
	Dec 19 2006 31"	17mmT4	CF,PS,OVAL,NND,AV,R=F
IC	1789	Tri	Galaxy Sa:
	Dec 19 2006 31"	17mmT4	PB,PL,ME,EON,FNUC,R=G
IC	1792	Tri	Galaxy Compact
	Dec 19 2006 31"	17mmT4	CB,PS,R,BNUC,R=G
IC	1793	Tri	Galaxy Sab
	Dec 19 2006 31"	17mmT4	CF,L,PME,OVAL,FNUC,R=F
IC	1795	Cas	Non-Existent
	Sep 05 2007 8"	11mmT6	PF,PL,DIM,R=F
IC	1799	And	Galaxy S?
	Oct 10 2012 18"	8.8 ES	F,PS,OVAL,PEXT,BNUC,R=G
IC	1805	Cas	Open Cluster E
	Aug 12 2005 8"	19mmW	MB,ML,R=G
IC	1809	Ari	Galaxy (R')SB(s)ab
	Oct 30 2005 31"	17mmT4	MF,MS,OVAL,NND,R=F

Observations Listing by Catalog Number

IC	1815	Tri		Galaxy SB0
	Dec 12 2012 36"	17mmT4	PF,PS,OVAL,FNUC,R=G	
	Dec 19 2006 31"	17mmT4	PB,PL,R,BNUC,HISB,R=E	
IC	1817	Ari		Galaxy Sm
	Oct 30 2005 31"	17mmT4	VF,VS,R,NND,AV,R=F	
IC	1821	Ari		Galaxy
	Oct 30 2005 31"	17mmT4	VF,VS,OVAL,NND,AV,R=F	
IC	1832	Ari		Galaxy S0
	Oct 30 2005 31"	17mmT4	VF,VS,R,NND,R=F	
IC	1835	Ari		Galaxy
	Oct 30 2005 31"	17mmT4	VF,VS,R,NND,R=F	
IC	1838	Ari		Galaxy S
	Oct 30 2005 31"	17mmT4	VF,ML,OVAL,NND,R=F	
IC	1839	Ari		Galaxy Sb-c
	Oct 30 2005 31"	17mmT4	MF,MS,EL,NND,R=F	
IC	1841	Ari		Galaxy SBb
	Oct 30 2005 31"	17mmT4	MF,MS,OVAL,NND,R=F	
IC	1842	Ari		Galaxy
	Oct 30 2005 31"	17mmT4	MF,MS,EL,NND,R=F	
IC	1847	Ari		Galaxy
	Oct 30 2005 31"	17mmT4	VF,VS,R,NND,AV,R=F	
IC	1848	Cas		Open Cluster 7.1 I 3 p n
	Sep 05 2007 8"	11mmT6	B,L,FEW STARS,R=F	
IC	1871	Cas		Nebula E
	Sep 05 2007 8"	11mmT6	PF,PS,R=F	
IC	1898	Eri		Galaxy SB(s)c: sp
	Nov 24 2006 8"	11mmT6	VF,S,EON,NND,AV,R=F	
IC	1907	Per		Galaxy E?
	Nov 10 2012 18"	7mm TV	DIFF,VF,PS,R,UB,NND,R=F	
	Oct 07 2010 12"	5.5mmN	CF,CS,R,UB,NND,R=F,AV-1	
IC	1918	Tau		Galaxy
	Dec 13 2012 18"	7mm TV	VF,VS,OVAL,UB,NND,AV,R=F	
IC	1924	Hor		Galaxy S
	Dec 07 2005 31"	19mmW	MB,ML,OVAL,NND,MSB,R=G	

Observations Listing by Catalog Number

IC	1931	Tau	Galaxy D
	Dec 13 2012 18"	7mm TV VF,VS,R,UB,NND,AV3,R=P	
IC	1953	Eri	Galaxy SB(rs)d
	Nov 24 2006 8"	11mmT6 VF,S,OVAL,NND,AV,R=F	
IC	1995	Tau	Non-Existent
	Nov 23 2006 8"	19mmW F,PS,DIM PATCH,R=F	
IC	2003	Per	Planetary Neb 2
	Dec 18 2006 31"	20mmUW B,VS,R,R=G	
IC	2118	Eri	Non-Existent
	Mar 06 2005 8"	25mmPL MF,VL,LSB,R=G OIII FILTER	
IC	2120	Aur	Planetary Neb Planetary? 5 18.2 +37 36
	Nov 21 2006 8"	11mmT6 VF,VS,AV,R=F	
IC	2149	Aur	Planetary Neb 3b+2
	Nov 11 2009 12"	7.5mmW PB,PS,R=G, NO CENTRAL STAR NOTED	
IC	2157	Gem	Open Cluster 12.0 II 1 p
	Nov 25 2006 8"	11mmT6 F,S,LOSE GROUPING,R=F	
IC	2163	CMa	Galaxy SB(rs)c pec
	Dec 19 2006 31"	17mmT4 R,PL,OVAL,NND,R=F	
	Feb 10 2005 8"	11mmT6 VF,VS,EL,NND,AV,R=F	
IC	2165	CMa	Planetary Neb 3b
	Dec 19 2006 31"	17mmT4 VB,PS,R=G, NO CENTRAL STAR	
IC	2166	Lyn	Galaxy SAB(s)bc
	Nov 10 2012 18"	7mm TV DIFF,PF,PS,OVAL,UB,NND,R=F	
IC	2171	CMa	Galaxy IB(s)m:
	Dec 19 2006 31"	17mmT4 PF,CS,OVAL,NND,R=F	
IC	2172	Mon	Non-Existent
	Nov 25 2006 8"	11mmT6 F,S,R-F	
IC	2174	Cam	Galaxy SBa
	Feb 01 2005 31"	17mmT4 MF,OVAL,PATCHY,NND,R=G	
IC	2179	Cam	Galaxy E1-2
	Feb 01 2005 31"	17mmT4 MB,ML,EL,NUC,HISB,R=G	
IC	2184	Cam	Galaxy I?
	Feb 01 2005 31"	17mmT4 DIFF,MB,MF,PATCH,NND,R=G	

Observations Listing by Catalog Number

IC	2209	Cam		Galaxy SB(rs)b:	
	Oct 12 2012 18"	7mm TV	VF,VS,R,UB,NND,AV,R=F		
IC	2389	Cam		Galaxy SB(s)b?	
	Mar 08 2013 18"	7mm TV	PF,VS,EON,,UB,NND,R=F		
IC	2438	Cam		Open Cluster	CL, 5 OR 6 ST 13...
	Apr 14 2016 12"	8mm Ds	F,S, JUST A COUPLE OF STARS		
IC	2551	Leo		Galaxy S?	
	Apr 19 2006 31"	19mmW	B,S,OVAL,FNUC,MSB,R=G		
IC	2562	Leo		Galaxy S	
	Apr 19 2006 31"	19mmW	B,S,OVAL,NND,R=F		
IC	2567	Leo		Galaxy LB	
	Apr 19 2006 31"	19mmW	PF,CS,OVAL,NND,R=F		
IC	2574	UMa		Galaxy SAB(s)m	
	Aug 21 2004 8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST		
IC	2579	Leo		Non-Existent	
	Apr 19 2006 31"	19mmW	PB,PL,EON,BNUC,MSB,R=G		
IC	2583	Leo		Galaxy	
	Apr 19 2006 31"	19mmW	PB,PS,OVAL,BNUC,MSB,R=G		
IC	2590	Leo		Galaxy S0	
	Apr 19 2006 31"	19mmW	PB,PL,R,BNUC,MSB,R=G		
IC	2626	Leo		Galaxy	
	Apr 19 2007 31"	17mmT4	F,PS,EON,NND,R=F		
	Apr 19 2006 31"	19mmW	PF,PS,EON,NND,R=F		
IC	2759	Leo		Galaxy S?	
	Apr 26 2008 31"	17mmT4	PB,S,OVAL,UB,NND,R=F		
IC	2914	Leo		Galaxy S	
	May 14 2010 31"	17mmT4	CF,CS,OVAL,MEXT,NND,R=F		
IC	2955	Leo		Galaxy	
	May 07 2007 31"	17mmT4	PB,PS,OVAL,UB,NND,R=G		
IC	2982	Leo		Galaxy L	
	Apr 28 2006 31"	19mmW	PF,PS,OVAL,NND,R=F		
IC	3011	Vir		Non-Existent	
	Mar 08 2010 12"	11mmT6	PF,PS,EON,UB,NND,R=F		

Observations Listing by Catalog Number

IC 3074	Vir	Galaxy SB(s)dm: sp
May 30 2014 18"	8mm Ds VF,PS,EON,UB,NND,R=F,PA=160	
IC 3259	Vir	Galaxy SAB(s)dm?
Mar 30 2014 18"	7mm TV VF,VS,OVAL,UB,NND,AV1,R=P	
IC 3322A	Vir	Galaxy SB(s)cd: sp
May 25 2014 18"	8mm Ds PF,PS,EON,FNUC,R=F,PA=160	
IC 3414	Vir	Galaxy SABdm?
May 25 2014 18"	8mm Ds VF,VS,OVAL,UB,NND,AV1,R=P	
IC 3446	Vir	Galaxy S?
May 18 2007 31"	17mmT4 VF,VS,R,NND,AV,R=F	
May 14 2007 31"	17mmT4 PB,PS,EON,FNUC,MSB,R=G	
IC 3470	Vir	Galaxy E?
May 14 2007 31"	17mmT4 PB,PS,R,UB,NND,R=G	
IC 3476	Com	Galaxy IB(s)m:
Jun 09 2007 8"	11mmT6 PF,PS,R,NND,R=F	
IC 3481	Vir	Galaxy SAB0-: pec
May 18 2007 31"	17mmT4 PB,PS,OVAL,UB,NND,R=F	
IC 3481A	Vir	Galaxy E pec:
May 18 2007 31"	17mmT4 CF,VS,R,NND,AV,R=F	
IC 3483	Vir	Galaxy SAB(s)b pec:
May 18 2007 31"	17mmT4 PF,PS,OVAL,UB,NND,R=F	
IC 3499	Vir	Galaxy S0/a
May 14 2007 31"	17mmT4 PF,PL,EON,UB,NND,R=F	
IC 3510	Vir	Galaxy S?
May 14 2007 31"	17mmT4 CF,CS,OVAL,NND,AV,R=F	
IC 3568	Cam	Planetary Neb 2+2a
Jun 07 2010 12"	7.5mmW PB,VS,R=F. ALMOST STELLER	
IC 3583	Vir	Galaxy IBm
May 18 2007 31"	17mmT4 PF,PL,EL,OVAL,NND,R=F	
IC 3900	Com	Galaxy SB0:
May 18 2009 31"	17mmT4 PB,CS,OVAL,UB,NND,R=F	
IC 3913	Com	Galaxy S?
May 18 2009 31"	17mmT4 DIFF,CF,VS,OVAL,NND,R=F	

Observations Listing by Catalog Number

IC	4277	CVn	Galaxy
May 14 2017	12"	11mmT6 B,PS,R,BNUC,R=G	
IC	4501	Lib	Galaxy SB(s)dm
Jul 06 2010	12"	7.5mmW VF,VS,OVAL,UB,NND,R=F	
IC	4592	Sco	Nebula R
Jul 21 2007	1.9"	12x50 PF,PL,JUST DETECTED,R=F	
IC	4593	Her	Planetary Neb 2+2
Jun 03 2005	31"	19mmW VB,VS,R,HISB,R=G	
IC	4604	Oph	Nebula R
Jul 21 2007	1.9"	12x50 PF,PS,AV,JUST DETECTED,R=F	
IC	4615	Her	Non-Existent
May 21 2009	16"	11mmT6 PF,PS,OVAL,UB,NND,R=F	
IC	4634	Oph	Planetary Neb 2a+3
Jul 31 2005	8"	7.5mmW VVF,VS,AV,R=F	
IC	4665	Oph	Open Cluster 6.0 III 2 m
Jun 17 2016	12"	8mm Ds WIDE/OPEN CLUSTER	
Oct 08 2006	1.9"	12x50 B,PL,R=G, LOOSE GROUPING	
May 22 2004	8"	25mmPL DECENT NIGHT - MEGASTAR CONTROL	
IC	4673	Sgr	Planetary Neb 4
Sep 05 2007	8"	11mmT6 VF,VS,NO CENTRAL STAR,R=F	
IC	4715	Sgr	Non-Existent
Aug 21 2015	12"	35mm A	
Mar 08 2010	12"	26mm M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm MESSIER MARATHON - 2009	
Aug 16 2006	1.9"	12x50 B,PL,R=G	
Mar 27 2006	8"	19mmW R=F	
Jun 14 2004	8"	25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL	
IC	4725	Sgr M25	Open Cluster 8.0 I 3 m
Mar 16 2012	18"	17mmAT 2012 M.M.	
Mar 01 2011	12"	17mmAT M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm M.M. 2010 MANUAL SETTING CIRCLES	
Aug 12 2006	1.9"	12x50 B,L,R=G	
Mar 27 2006	8"	19mmW S,R=F	
Jun 14 2004	8"	25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL	
IC	4732	Sgr	Planetary Neb 1
Sep 05 2007	8"	11mmT6 VF,ES,AV,NO CENTRAL STAR,R=F	

Observations Listing by Catalog Number

IC	4756	Ser	Open Cluster 8.0 II 3 r
	Sep 19 2014 12"	17mmAT	B,L,R=G, LOOSE, HOME - 8/14/14
	Jun 20 2007 1.9"	12x50	F,PL,R=F
IC	4763	Dra	Galaxy S?
	Sep 05 2010 12"	5.5mmN	CF,PS,EON,UB,NND,R=F,PA=165
IC	4772	Lyr	Galaxy C
	Aug 16 2009 31"	17mmT4	VF,S,OVAL,UB,NND,R=F
IC	4776	Sgr	Planetary Neb 2a
	Aug 24 2012 18"	8.8 ES	PF,PS, R=F, OIII FILTER,
IC	4846	Aql	Planetary Neb 2
	Jul 19 2017 12"	11mmT6	VF,VS, R=F. LP2 FILTER
	Jul 03 2005 8"	11mmT6	VB,VS,R,R=F
IC	4867	Cyg	Galaxy S0
	Aug 13 2010 31"	17mmT4	PF,PS,OVAL,MEXT,FNUC,R=F
	Jul 27 2009 16"	11mmT6	PF,PS,OVAL,NND,AV,R=F
IC	4954	Vul	Nebula R
	Nov 16 2012 18"	11mmT6	FAINT,SMALL,R=F
IC	4996	Cyg	Open Cluster 8.0 II 3 p n APPROX 15 STARS
	Jun 26 2004 8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON
IC	4997	Sge	Planetary Neb 1
	Sep 01 2008 31"	17mmT4	PB,ES,R=F. NO CENTRAL STAR
IC	5050	Aqr	Galaxy SAB(r)b:
	Sep 27 2005 31"	17mmT4	MF,VS,OVAL,NND,R=G
IC	5067	Cyg	Nebula EN
	Jul 24 2006 8"	25mmPL	PF,CL,R=F
IC	5068	Cyg	Nebula E
	Aug 18 2010 12"	26mm	PF,PL,R=P,ROUGHLY-RECTANGULAR SHAPE,DIM,OIII FILTER
IC	5070	Cyg	Non-Existent
	Jul 19 2017 12"	27m PN	F,PL,R=F.
	Jul 15 2015 12"	35mm A	LP2 FILTER - VERY NICE OBJECT
	Jun 20 2007 1.9"	12x50	PF,VL,R=F, HINT OF NEBULOSITY
	Aug 02 2005 8"	19mmW	L,F,R=F
IC	5076	Cyg	Nebula E
	Nov 13 2007 8"	11mmT6	PF,PS,HINT OF NEBULOSITY,R=F

Observations Listing by Catalog Number

IC	5078	Cap	Galaxy SA(s)c:
	Sep 05 2007 8"	11mmT6 VF,VS,NND,AV,R=F	
	Sep 19 2004 8"	7.5mmW VF,NND,AV,R=F	
IC	5080	Del	Galaxy
	Sep 25 2006 31"	19mmW PF,PS,R,NND,R=F	
IC	5090	Aqr	Galaxy Sa pec?
	Sep 27 2005 31"	17mmT4 VB,ML,OVAL,RNUC,R=G	
IC	5111	Aqr	Galaxy Sa
	Oct 05 2005 31"	17mmT4 EF,VS,OVAL,NND,AV,R=F	
IC	5117	Cyg	Planetary Neb 2
	Jul 23 2006 8"	11mmT6 F,VS,R,AV,R=F	
IC	5122	Cap	Galaxy S0:
	Sep 28 2008 31"	17mmT4 F,S,EON,NND,AV,R=P	
IC	5146	Cyg	Nebula E
	Jun 20 2007 1.9"	12x50 F,S,R=F, HINT OF NEBULOSITY	
	Jun 26 2004 8"	7.5mmW INVOLVED WITH CR 470	
IC	5180	Lac	Galaxy E:
	Sep 14 2012 18"	7mm TV VF,PS,UB,NND,AV1,R=F	
IC	5217	Lac	Planetary Neb 2
	Nov 16 2012 18"	11mmT6 VS,VF,R=F	
IC	5254	Peg	Galaxy
	Nov 03 2013 36"	17mmT4 PF,PS,OVAL,UB,NND,R=F	
IC	5258	Peg	Galaxy S0-:
	Nov 02 2010 31"	17mmT4 F,PS,OVAL,MEXT,BNUC,R=G,TRIANGULAR AST. TO NORTH	
	Sep 12 2010 12"	5.5mmN PF,PS,OVAL,MEXT,FNUC,R=F,PA=135	
IC	5274	Peg	Galaxy S0:
	Nov 02 2010 31"	17mmT4 PF,PS,R,FNUC,R=G	
IC	5276	Peg	Galaxy S
	Nov 02 2010 31"	17mmT4 CF,CS,OVAL,MEXT,UB,NND,R=F	
IC	5285	Peg	Galaxy S?
	Oct 15 2006 31"	19mmW PB,PL,OVAL,FNUC,R=G	
IC	5293	Peg	Galaxy
	Nov 02 2010 31"	17mmT4 PF,CS,OVAL,UB,NND,R=F	

Observations Listing by Catalog Number

IC	5295	Peg	Galaxy
Nov 02 2010	31"	17mmT4 CF,ES,OVAL,UB,NND,R=F	
IC	5296	Peg	Galaxy SBb
Nov 02 2010	31"	17mmT4 DIFF,VF,CS,R,UB,NND,R=F	
IC	5297	Peg	Galaxy C
Nov 02 2010	31"	17mmT4 PF,ES,OVAL,FNUC,R=F	
IC	5298	Peg	Galaxy S?
Nov 02 2010	31"	17mmT4 PF,PS,R,UB,NND,R=F	
IC	5305	Peg	Galaxy S
Nov 03 2013	36"	17mmT4 PF,PS,OVAL,UB,NND,R=F	
IC	5309	Psc	Galaxy Sb
Nov 03 2013	36"	17mmT4 PF,PS,EON,UB,NND,AV,R=F,PA=34	
IC	5312	Peg	Galaxy Sb
Oct 30 2005	31"	17mmT4 MF,MS,R,NND,R=F	
IC	5314	Peg	Galaxy C
Oct 30 2005	31"	17mmT4 MF,MS,R,NND,R=F	
IC	5315	Peg	Galaxy E?
Nov 02 2010	31"	17mmT4 PF,ES,R,FNUC,HSB,R=G	
Oct 30 2005	31"	17mmT4 MB,VS,R,FNUC,MSB,R=G	
IC	5369	And	Galaxy
Aug 24 2012	18"	5mm TV VF,VS,OVAL,MEXT,UB,NND,R=F	
IC	5370	And	Galaxy S0/a
Oct 12 2012	18"	7mm TV VF,PS,R,UB,NND,AV2,R=F	
Aug 24 2012	18"	5mm TV PF,VS,R,UB,NND,R=F	
IC	5371	And	Galaxy S
Oct 12 2012	18"	7mm TV PF,PS,R,FNUC,R=F	
Aug 24 2012	18"	5mm TV VF,VS,R,UB,NND,R=F	
IC	5373	And	Galaxy Sb
Oct 12 2012	18"	7mm TV PF,PS,OVAL,FNUC,R=F	
IC	5376	And	Galaxy Sab
Oct 12 2012	18"	7mm TV PF,PS,EON,UB,NND,R=F,REAL THIN	
IC	5381	Peg	Galaxy Sab? sp
Oct 30 2008	16"	17mmT4 CF,CS,OVAL,NND,AV,R=F	

Observations Listing by Catalog Number

J	320	Ori	Planetary Neb 2+4
	Dec 28 2008 31"	17mmT4	F,VS,OVAL,R=F, NO CENTRAL STAR
	Dec 15 2004 8"	7.5mmW	VF,R=F
KEMBI 1	Cam		Open Cluster
	Nov 26 2006 1.9"	12x50	BRIGHT-STRING,R=F
M	45	Tau	M45
	Mar 16 2012 18"	17mmAT	2012 M.M.
	Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES
	Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES
	Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009
	Oct 29 2006 1.9"	12x50	VB,VL,LOOSE CLUSTER,R,R=G
	Mar 19 2006 8"	25mmPL	PB,VL,R=E. PRETTY NICE
	Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS
	Dec 26 2003 8"	25mmPL	Q/M COLD
	Dec 26 2003 8"	25mmPL	COMPTER = ARGO NAVIS
MAC	0007+2733	Peg	Galaxy
	Nov 02 2005 31"	19mmW	VF,VS,OVAL,NND,R=F
MAC	0009+3316	And	Galaxy
	Oct 30 2005 31"	17mmT4	VF,VS,R,NND,AV,R=F
MAC	0048+3157	And	Galaxy
	Oct 30 2005 31"	17mmT4	VF,VS,OVAL,NND,AV,R=F
MAC	0124+3319	Psc	Galaxy
	Oct 30 2005 31"	17mmT4	MF,VS,OVAL,NND,R=F
MAC	0135+3417	Tri	Galaxy
	Nov 24 2006 31"	20mmUW	VF,VS,OVAL,NND,R=F
MAC	0137+3309	Tri	Galaxy
	Nov 24 2006 31"	20mmUW	VF,VS,R,NND,R=F
MAC	0147+3523	Tri	Galaxy
	Nov 24 2006 31"	20mmUW	VF,PS,OVAL,NND,R=F
MAC	0149+3237	Tri	Galaxy
	Dec 12 2012 36"	17mmT4	VF,VS,OVAL,UB,NND,R=P
MAC	0205+3043	Tri	Galaxy
	Nov 02 2005 31"	19mmW	PF,FL,EL,OVAL,NND,AV,R=F
MAC	0206+3107	Tri	Galaxy
	Nov 02 2005 31"	19mmW	VF,VS,EL,NND,AV,R=F

Observations Listing by Catalog Number

MAC 0214+3051	Tri	Galaxy
Dec 19 2006 31"	17mmT4 VF,VS,OVAL,NND,R=F	
MAC 0214+3051	Tri	Galaxy
Dec 19 2006 31"	17mmT4 VF,VS,OVAL,NND,R=F	
MAC 0215+3041	Tri	Galaxy
Dec 19 2006 31"	17mmT4 VF,VS,OVAL,NND,AV,R=F	
MAC 0215+3047	Tri	Galaxy
Dec 19 2006 31"	17mmT4 VF,PS,OVAL,NND,AV,R=F	
MAC 0216+2837	Tri	Galaxy
Dec 19 2006 31"	17mmT4 VF,PS,EON,NND,AV,R=F	
MAC 0217+3220	Tri	Galaxy
Dec 19 2006 31"	17mmT4 VF,PS,OVAL,NND,R=F	
MAC 0219+3424	Tri	Galaxy
Dec 19 2006 31"	17mmT4 PF,PS,R,NND,AV,R=F	
MAC 0219+3433	Tri	Galaxy
Dec 19 2006 31"	17mmT4 VF,PS,OVAL,NND,R=F	
MAC 0219+3437	Tri	Galaxy
Dec 19 2006 31"	17mmT4 VF,PS,OVAL,NND,R=F	
MAC 0227+2802	Tri	Galaxy
Dec 19 2006 31"	17mmT4 VF,VS,R,NND,AV,R=F	
MAC 0228+3118	Tri	Galaxy
Dec 19 2006 31"	17mmT4 VF,PS,R,NND,AV,R=F	
MAC 0234+3247	Tri	Galaxy
Dec 19 2006 31"	17mmT4 PF,CS,R,NND,AV,R=F	
MAC 0234+3253	Tri	Galaxy
Dec 19 2006 31"	17mmT4 VF,VS,R,NND,AV,R=F	
MAC 0237+0716	Cet	Galaxy
Dec 12 2012 36"	17mmT4 VF,VS,R,NND,AV2,R=F	
MAC 0244+1924	Ari	Galaxy
Oct 30 2005 31"	17mmT4 VF,VS,R,NND,R=F	
MAC 0245+1855	Ari	Galaxy
Oct 30 2005 31"	17mmT4 VF,VS,OVAL,NND,AV,R=F	

Observations Listing by Catalog Number

MAC 0310+4200	Per	Galaxy
Dec 13 2012 18"	8.8 ES VFR,VS,R,NND,AV3,R=P	
MAC 0405+2526	Tau	Galaxy
Dec 18 2006 31"	20mmUW VF,VS,EL,OVAL,NND,R=F	
MAC 0447-0208	Ori	Galaxy
Feb 03 2005 31"	11mmT6 MF,MS,EL,FNUC,R=F	
MAC 0448-0134	Ori	Galaxy
Feb 03 2005 31"	11mmT6 MF,VS,OVAL,FNUC,R=G	
Feb 03 2005 31"	11mmT6 MF,VS,OVAL,FNUC,R=G	
MAC 0511-1505	Lep	Galaxy
Feb 20 2006 31"	17mmT4 VF,VS,OVAL,NND,AV,R=F	
MAC 0710+4956	Lyn	Galaxy
Feb 01 2005 31"	17mmT4 VF,MS,R,NND,AV,R=F	
MAC 0711+4949	Lyn	Galaxy
Feb 01 2005 31"	17mmT4 MB,S,OVAL,NND,R=G	
MAC 0711+5007	Lyn	Galaxy
Feb 01 2005 31"	17mmT4 MF,S,EL,NND,R=F	
MAC 1012+1243	Leo	Galaxy
Apr 15 2007 31"	17mmT4 PF,PS,R,NND,R=F	
MAC 1013+1702	Leo	Galaxy
Apr 15 2007 31"	17mmT4 F,PS,EON,NND,R=F	
MAC 1018+0708	Leo	Galaxy
Apr 19 2006 31"	19mmW VF,VS,R,NND,AV,R=F	
MAC 1018+2742	Leo	Galaxy
Apr 21 2007 31"	17mmT4 CF,CS,R,NND,AV,R=F	
MAC 1021+1927	Leo	Galaxy
Apr 21 2007 31"	17mmT4 F,S,OVAL,NND,AV,R=F	
MAC 1022+1947	Leo	Galaxy
Apr 21 2007 31"	17mmT4 F,CS,OVAL,NND,AV,R=F	
MAC 1023+1056	Leo	Galaxy
Apr 19 2006 31"	19mmW VF,VS,R,NND,AV,R=F	
MAC 1023+2001	Leo	Galaxy
Apr 21 2007 31"	17mmT4 VF,CS,OVAL,NND,AV,R=F	

Observations Listing by Catalog Number

MAC 1039+4754	UMa	Galaxy
Feb 23 2006 31"	17mmT4 VF,VS,R,NND,AV,R=F	
MAC 1043+4053	UMa	Galaxy
Feb 23 2006 31"	17mmT4 VF,VS,R,NND,AV,R=F	
MAC 1044+1403	Leo	Galaxy
Apr 07 2008 31"	17mmT4 VF,VS,EON,NND,AV,R=F	
MAC 1044+1406	Leo	Galaxy
Apr 07 2008 31"	17mmT4 PF,VS,OVAL,NND,R=F	
MAC 1047+1238	Leo	Galaxy
Apr 13 2005 31"	17mmT4 MF,MS,EL,OVAL,ND,R=F	
MAC 1047+1246	Leo	Galaxy
Apr 13 2005 31"	17mmT4 MF,MS,OVAL,NND,R=F	
MAC 1049+1616	Leo	Galaxy
Apr 07 2008 31"	17mmT4 PF,PS,OVAL,NND,LSB,R=F	
MAC 1049+1617	Leo	Galaxy
Apr 07 2008 31"	17mmT4 VF,VS,R,NND,AV,R=F	
MAC 1104+0501	Leo	Galaxy
Apr 19 2007 31"	17mmT4 VF,VS,R,NND,AV,R=F	
MAC 1109+2157	Leo	Galaxy
Apr 19 2007 31"	17mmT4 PF,VS,OVAL,UB,NND,R=F	
MAC 1109+2158	Leo	Galaxy
Apr 19 2007 31"	17mmT4 PF,VS,EON,UB,NND,R=F	
MAC 1110+2158	Leo	Galaxy
Apr 19 2007 31"	17mmT4 PF,CS,OVAL,UB,NND,R=F	
MAC 1110+2206	Leo	Galaxy
Apr 19 2007 31"	17mmT4 VF,VS,OVAL,NND,R=F	
MAC 1110+2208	Leo	Galaxy
Apr 19 2007 31"	17mmT4 VF,VS,OVAL,NND,R=F	
MAC 1110+2213	Leo	Galaxy
Apr 19 2007 31"	17mmT4 VF,VS,OVAL,NND,AV,R=F	
MAC 1118+0937	Leo	Galaxy
Apr 15 2007 31"	17mmT4 VF,VS,OVAL,NND,AV,R=F	

Observations Listing by Catalog Number

MAC 1120+0255	Leo	Galaxy
Apr 15 2007 31"	17mmT4 VF,VS,R,NND,R=F	
MAC 1120-0558	Leo	Galaxy
Apr 15 2007 31"	17mmT4 VF,VS,EON,NND,AV,R=F	
MAC 1120+1340	Leo	Galaxy
Feb 23 2006 31"	17mmT4 FB,FL,OVAL,NND,R=G	
MAC 1132+5307	UMa	Galaxy
Feb 23 2006 31"	17mmT4 PF,VS,R,NND,R=F	
MAC 1133+5307	UMa	Galaxy
Feb 23 2006 31"	17mmT4 VF,VS,OVAL,NND,AV,RF=F	
MAC 1133+5307	UMa	Galaxy
Feb 23 2006 31"	17mmT4 VF,VS,R,NND,AV,R=F	
MAC 1133+5308	UMa	Galaxy
Feb 23 2006 31"	17mmT4 VF,VS,R,NND,AV,R=F	
MAC 1141+1016	Vir	Galaxy
May 18 2007 31"	17mmT4 VF,VS,R,NND,AV,R=F	
MAC 1145+1952	Leo	Galaxy
May 07 2007 31"	17mmT4 VF,PS,R,NND,AV,R=F	
MAC 1145+2001	Leo	Galaxy
May 07 2007 31"	17mmT4 VF,VS,R,NND,AV,R=F	
MAC 1145+2026	Leo	Galaxy
May 07 2007 31"	17mmT4 PF,PS,OVAL,UB,NND,R=F	
MAC 1146+1944	Leo	Galaxy
May 07 2007 31"	17mmT4 CF,CS,R,UB,NND,R=F	
MAC 1146+2026	Leo	Galaxy
May 07 2007 31"	17mmT4 PF,PS,EON,NND,V,R=F	
MAC 1150+2111	Leo	Galaxy
May 07 2007 31"	17mmT4 CF,PS,EON,UB,NND,R=F	
MAC 1150+2116	Leo	Galaxy
May 07 2007 31"	17mmT4 PF,CS,OVAL,UB,NND,R=F	
MAC 1150+2119	Leo	Galaxy
May 07 2007 31"	17mmT4 VF,VS,R,NND,AV,R=F	

Observations Listing by Catalog Number

MAC 1207-1408	Crv	Galaxy
Apr 07 2008 31"	17mmT4 VF,VS,OVAL,NND,AV,R=F	
MAC 1231+0036	Vir	Galaxy
May 14 2007 31"	17mmT4 CF,VS,OVAL,NND,R=F	
MAC 1231+0353	Vir	Galaxy
May 14 2007 31"	17mmT4 VF,CS,EON,NND,AV,R=P	
MAC 1234-0727	Vir	Galaxy
May 14 2007 31"	17mmT4 VF,CS,R,NND,AV,R=F	
MAC 1234-0732	Vir	Galaxy
May 14 2007 31"	17mmT4 CF,CS,R,UB,NND,R=F	
MAC 1236+7415	Dra	Galaxy
Feb 23 2006 31"	17mmT4 VF,VS,R,NND,AV,R=F	
MAC 1237+7417	Dra	Galaxy
Feb 23 2006 31"	17mmT4 VF,FS,R,NND,R=F	
MAC 1252+1001	Vir	Galaxy
May 18 2007 31"	17mmT4 VF,VS,OVAL,NND,AV,R=F	
MAC 1253+0956	Vir	Galaxy
May 18 2007 31"	17mmT4 EF,VS,R,NND,AV,R=F	
MAC 1255+2736	Com	Galaxy
May 18 2009 31"	17mmT4 DIFF,VF,VS,OVAL,NND,R=F	
MAC 1255+2756	Com	Galaxy
May 18 2009 31"	17mmT4 VF,VS,OVAL,NND,AV,R=F	
MAC 1255+2815	Com	Galaxy
May 18 2009 31"	17mmT4 VF,VS,OVAL,NND,AV,R=F	
MAC 1255+2824	Com	Galaxy
May 18 2009 31"	17mmT4 EF,VS,R,NND,AV,R=P	
MAC 1255+2900	Com	Galaxy
May 18 2009 31"	17mmT4 VF,VS,R,NND,AV,R=F	
MAC 1256+2725	Com	Galaxy
May 18 2009 31"	17mmT4 PF,PS,OVAL,FNUC,R=F	
MAC 1256+2726	Com	Galaxy
May 18 2009 31"	17mmT4 VF,VS,R,NND,R=F	

Observations Listing by Catalog Number

MAC 1256+2730 Com	Galaxy
May 18 2009 31" 17mmT4 VF,VS,R,NND,AV,R=F	
MAC 1256+2732 Com	Galaxy
May 18 2009 31" 17mmT4 VF,VS,OVAL,NND,AV,R=F	
May 18 2009 31" 17mmT4 VF,VS,R,NND,AV,R=F	
MAC 1256+2738 Com	Galaxy
May 18 2009 31" 17mmT4 PF,VS,NND,UB,R=F	
MAC 1256+2741 Com	Galaxy
May 18 2009 31" 17mmT4 VF,VS,OVAL,NND,R=F	
MAC 1256+2743 Com	Galaxy
May 18 2009 31" 17mmT4 VF,VS,OVAL,NND,R=F	
MAC 1256+2749 Com	Galaxy
May 18 2009 31" 17mmT4 PB,CS,R,FNUC,R=F	
MAC 1256+2750 Com	Galaxy
May 18 2009 31" 17mmT4 PB,CS,R,FNUC,R=F	
MAC 1256+2802 Com	Galaxy
May 18 2009 31" 17mmT4 VF,VS,OVAL,NND,R=F	
MAC 1256+2818 Com	Galaxy
May 18 2009 31" 17mmT4 VF,VS,R,NND,AV,R=F	
MAC 1310+1817 Com	Galaxy
May 12 2005 31" 19mmW VF,ML,R,NND,AV,R=F	
MAC 1310+1818 Com	Galaxy
May 12 2005 31" 19mmW VF,ML,EL,EON,NND,R=F	
MAC 1310+1825 Com	Galaxy
May 12 2005 31" 19mmW VF,VS,OVAL,NND,AV,R=F	
MAC 1311+1825 Com	Galaxy
May 12 2005 31" 12mmT4 VF,VS,OVAL,NND,AV,R=F	
MAC 1314+1700 Com	Galaxy
May 12 2005 31" 19mmW MB,ML,OVAL,FNUC,R=G	
MAC 1354+4015 CVn	Galaxy
May 12 2005 31" 19mmW MB,VS,R,FNUC,R=F	
MAC 1354+4028 CVn	Galaxy
May 12 2005 31" 19mmW VF,VS,OVAL,NND,R=F	

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MAC 1355+4002 CVn	Galaxy
May 12 2005 31" 19mmW VF,VS,OVAL,NND,AV,R=F	
MAC 1356+3817 CVn	Galaxy
May 12 2005 31" 19mmW VF,VS,OVAL,NND,R=F	
MAC 1356+3818 CVn	Galaxy
May 12 2005 31" 19mmW VF,VS,R,NND,AV,R=F	
MAC 1356+3818 CVn	Galaxy
May 12 2005 31" 19mmW VF,MS,EL,OVAL,NND,R=F	
MAC 1356+3821 CVn	Galaxy
May 12 2005 31" 19mmW MF,MS,OVAL,NND,R=F	
MAC 1356+3825 CVn	Galaxy
May 12 2005 31" 19mmW VF,MS,R,NND,AV,R=F	
MAC 1356+3829 CVn	Galaxy
May 12 2005 31" 19mmW VF,VS,R,NND,AV,R=F	
MAC 1423+4015 Boo	Galaxy
May 22 2006 31" 19mmW VF,VS,R,NND,AV,R=F	
MAC 1432+3557 Boo	Galaxy
Jun 05 2011 31" 17mmT4 CF,CS,OVAL,UB,NND,R=F	
MAC 1432+3601 Boo	Galaxy
Jun 05 2011 31" 17mmT4 VF,VS,OVAL,UB,NND,AV,R=P	
MAC 1644+4005 Her	Galaxy
Jul 16 2009 16" 17mmT4 VF,VS,R,NND,AV,R=F	
MAC 1828+3344 Lyr	Galaxy
Aug 16 2009 31" 17mmT4 PF,CS,R,UB,NND,R=F	
MAC 1828+3413 Lyr	Galaxy
Aug 16 2009 31" 17mmT4 VF,VS,OVAL,NND,AV,R=F	
MAC 1830+3403 Lyr	Galaxy
Aug 16 2009 31" 17mmT4 VF,VS,OVAL,NND,AV,R=F	
MAC 2033+0659 Del	Galaxy
Aug 31 2008 31" 17mmT4 VF,VS,R,NND,R=F	
MAC 2033+0951 Del	Galaxy
Sep 25 2006 31" 19mmW VF,VS,R,NND,AV,R=F	

Observations Listing by Catalog Number

MAC 2059-1421	Aqr	Galaxy
Sep 27 2005 31"	17mmT4 VF,VS,OVAL,NND,AV,R=F	
MAC 2100-1425	Aqr	Galaxy
Sep 27 2005 31"	17mmT4 VF,VS,OVAL,FNUC,MSB,R=F	
MAC 2100-1428	Aqr	Galaxy
Sep 27 2005 31"	17mmT4 VF,VS,R,NND,AV,R=F	
MAC 2101-1315	Aqr	Galaxy
Sep 27 2005 31"	17mmT4 MB,ML,R,FNUC,MSB,R=G	
MAC 2101-1315	Aqr	Galaxy
Sep 27 2005 31"	17mmT4 MB,ML,R,FNUC,MSB,R=G	
MAC 2101-1316	Aqr	Galaxy
Sep 27 2005 31"	17mmT4 MB,LS,R,NND,MSB,R=F	
MAC 2102+1913	Del	Galaxy
Sep 25 2006 31"	19mmW PF,VS,OVAL,NND,AV,R=F	
MAC 2103-1124	Aqr	Galaxy
Sep 27 2005 31"	17mmT4 VF,VS,OVAL,NND,R=F	
MAC 2104-1122	Aqr	Galaxy
Sep 27 2005 31"	17mmT4 VF,VS,OVAL,NND,R=F, 17TH MAG.	
MAC 2105-1037	Aqr	Galaxy
Sep 27 2005 31"	17mmT4 VF,VS,R,NND,AV,R=F	
MAC 2105-1040	Aqr	Galaxy
Sep 27 2005 31"	17mmT4 VF,VS,R,NND,AV,R=F	
MAC 2107+1802	Del	Galaxy
Sep 25 2006 31"	19mmW PF,PS,OVAL,NND,R=F	
MAC 2110-0351	Aqr	Galaxy
Sep 27 2005 31"	17mmT4 MB,ML,OVAL,FNUC,R=F	
MAC 2116-0046	Aqr	Galaxy
Sep 13 2007 31"	17mmT4 VF,ES,R,NND,AV,R=F	
MAC 2120-0448	Aqr	Galaxy
Oct 05 2005 31"	17mmT4 VF,VVS,R,NND,AV,R=F	
MAC 2131+0230	Aqr	Galaxy
Sep 13 2007 31"	17mmT4 VF,CS,OVAL,NND,AV,R=F	

Observations Listing by Catalog Number

MAC 2142-0646	Aqr	Galaxy
Oct 05 2005 31"	17mmT4 VVF,VS,R,NND,AV,R=F	
MAC 2144-0632	Aqr	Galaxy
Sep 13 2007 31"	17mmT4 VF,VS,R,NND,AV,R=F	
MAC 2153+0008	Aqr	Galaxy
Sep 13 2007 31"	17mmT4 VF,VS,OVAL,NND,R=F	
MAC 2153+0211	Aqr	Galaxy
Oct 05 2005 31"	17mmT4 VF,VS,R,NND,AV,R=F	
MAC 2159-1630	Aqr	Galaxy
Sep 13 2007 31"	17mmT4 VF,ES,R,NND,AV,R=F	
MAC 2202-0955	Aqr	Galaxy
Oct 05 2005 31"	17mmT4 PF,VS,R,NND,R=F	
MAC 2207+1014	Peg	Galaxy
Sep 14 2012 36"	17mmT4 VF,VS,OVAL,MEXT,UB,NND,R=F	
MAC 2214+1352	Peg	Galaxy
Oct 23 2008 31"	17mmT4 VF,VS,OVAL,NND,AV,R=P	
MAC 2221+3632	Lac	Galaxy
Sep 11 2007 31"	17mmT4 VF,ES,R,NND,AV,R=F	
MAC 2221+3635	Lac	Galaxy
Sep 11 2007 31"	17mmT4 VF,VS,R,NND,AV,R=F	
MAC 2223+3611	Lac	Galaxy
Sep 11 2007 31"	17mmT4 VF,ES,R,NND,V,R=F	
MAC 2238+2340	Peg	Galaxy
Oct 21 2006 31"	20mmUW VF,VS,R,NNUC,AV,R=F	
MAC 2243+3001	Peg	Galaxy
Nov 02 2010 31"	17mmT4 VF,VS,OVAL,UB,NND,R=F,AV4	
MAC 2255+1910	Peg	Galaxy
Nov 02 2010 31"	17mmT4 VF,ES,OVAL,UB,NND,R=F,AV1	
MAC 2256+1747	Peg	Galaxy
Nov 02 2010 31"	17mmT4 VF,VS,OVAL,UB,NND,R=F,AV2	
MAC 2257+1454	Peg	Galaxy
Nov 03 2013 36"	17mmT4 VF,VS,R,UB,NND,R=F	

Observations Listing by Catalog Number

MAC 2257+1457	Peg	Galaxy
Nov 03 2013 36"	17mmT4 VF,VS,R,NND,AV2,R=F	
MAC 2259+1755	Peg	Galaxy
Nov 02 2010 31"	17mmT4 VF,ES,OVAL,UB,NND,R=F	
MAC 2259+1757	Peg	Galaxy
Nov 02 2010 31"	17mmT4 VF,VS,R,UB,NND,R=F	
MAC 2300+1850	Peg	Galaxy
Nov 02 2010 31"	17mmT4 VF,VS,R,UB,NND,R=F,AV1	
MAC 2300+1903	Peg	Galaxy
Nov 02 2010 31"	17mmT4 CF,VS,R,UB,NND,R=F,AV1	
MAC 2301+1842	Peg	Galaxy
Nov 02 2010 31"	17mmT4 VF,VS,R,UB,NND,R=F,AV1	
MAC 2301+1852	Peg	Galaxy
Nov 02 2010 31"	17mmT4 CF,CS,R,UB,NND,R=F	
MAC 2307+2813	Peg	Galaxy
Oct 15 2006 31"	19mmW VF,VS,EL,OVAL,NND,AV,R=F	
MAC 2307+3356	Peg	Galaxy
Oct 15 2006 31"	19mmW VF,VS,OVAL,NND,R=F	
MAC 2315+2540	Peg	Galaxy
Nov 02 2010 31"	17mmT4 CF,ES,R,UB,NND,R=F	
Nov 02 2010 31"	17mmT4 CF,VS,R,UB,NND,R=F	
MAC 2316+2537	Peg	Galaxy
Nov 02 2010 31"	17mmT4 VF,EES,OVAL,UB,NND,R=F	
MAC 2319+0930	Peg	Galaxy
Nov 03 2013 36"	17mmT4 VF,VS,OVAL,UB,NND,AV,R=F	
MAC 2320+2712	Peg	Galaxy
Oct 30 2005 31"	17mmT4 VF,VS,OVAL,NND,R=F	
MAC 2320+2714	Peg	Galaxy
Oct 30 2005 31"	17mmT4 VF,VS,R,NND,AV,R=F	
MAC 2321+0815	Peg	Galaxy
Oct 30 2005 31"	17mmT4 F,VS,OVAL,FNUC,R=F	
MAC 2321+2551	Peg	Galaxy
Nov 02 2010 31"	17mmT4 CF,ES,OVAL,UB,NND,R=F	
Oct 30 2005 31"	17mmT4 VF,VS,R,NND,R=F	

Observations Listing by Catalog Number

MAC 2323+1649 Peg	Galaxy
Oct 25 2006 31" 17mmT4 EF,ES,OVAL,NND,R=F	
MAC 2323+1654 Peg	Galaxy
Oct 25 2006 31" 17mmT4 VF,CS,OVAL,NND,AV,R=F	
MAC 2323+1656 Peg	Galaxy
Oct 25 2006 31" 17mmT4 CF,CS,OVAL,NND,R=F	
MAC 2324+0929 Peg	Galaxy
Oct 25 2006 31" 17mmT4 VF,VS,R,AV,R=F	
MAC 2324+0931 Peg	Galaxy
Oct 25 2006 31" 17mmT4 VF,VS,OVAL,NND,R=F	
MAC 2324+0932 Peg	Galaxy
Oct 25 2006 31" 17mmT4 VF,VS,R,NND,AV,R=F	
MAC 2324+1357 Peg	Galaxy
Oct 25 2006 31" 17mmT4 VF,VS,OVAL,NND,AV,R=P	
MAC 2324+1357 Peg	Galaxy
Oct 25 2006 31" 17mmT4 VF,VS,OVAL,NND,R=F	
MAC 2324+1358 Peg	Galaxy
Oct 25 2006 31" 17mmT4 VF,CS,OVAL,NND,R=F	
MAC 2324+1359 Peg	Galaxy
Oct 25 2006 31" 17mmT4 VF,CS,OVAL,NND,R=F	
MAC 2324+1430 Peg	Galaxy
Oct 25 2006 31" 17mmT4 CF,CS,OVAL,NND,R=F	
MAC 2324+1437 Peg	Galaxy
Oct 25 2006 31" 17mmT4 VF,VS,OVAL,NND,AV,R=F	
MAC 2324+1438 Peg	Galaxy
Oct 25 2006 31" 17mmT4 VF,CS,OVAL,NND,R=F	
MAC 2324+1438 Peg	Galaxy
Oct 25 2006 31" 17mmT4 PF,CS,OVAL,NND,R=F	
MAC 2324+1439 Peg	Galaxy
Oct 25 2006 31" 17mmT4 VF,VS,OVAL,NND,R=F	
MAC 2324+1440 Peg	Galaxy
Oct 25 2006 31" 17mmT4 VF,VS,OVAL,NND,R=F	

Observations Listing by Catalog Number

MAC 2324+1440	Peg	Galaxy	
Oct 25 2006 31"	17mmT4 VF,VS,R,NND,R=F		
MAC 2324+1647	Peg	Galaxy	
Oct 25 2006 31"	17mmT4 PF,PS,OVAL,FNUC,R=G		
MAC 2340+2710	Peg	Galaxy	
Nov 03 2013 36"	17mmT4 VF,VS,R,UB,NND,R=F		
MAC 2345+2728	Peg	Galaxy	
Nov 03 2013 36"	17mmT4 VF,VS,OVAL,NND,R=F		
MCG +1-14-37	Ori	Galaxy	
Sep 23 2004 8"	7.5mmW B,OVAL,FNUC,R=G		
MEL 25	Tau	Open Cluster	
Nov 04 2007 1.9"	12x50 VB,VL,SCATTERED,R=G		
Oct 29 2006 8"	19mmW B,L,LOOSE,R,R=G		
Dec 15 2004 8"	11mmT6 BRIGHT SCATTERED STARS		
MERR 2-2	FIX	Planetary Neb 1	
Jul 24 2006 8"	7.5mmW VF,VS,R,AV,R=F		
MINK 1-70	Aql	Planetary Neb 1	
Aug 12 2005 8"	7.5mmW VF,VS,AV,R=F		
MINK 1-74	FIX	Planetary Neb 1	
Aug 12 2005 8"	7.5mmW VF,VS,AV,R=F		
MINK 3-34	FIX	Planetary Neb 2	
Jul 03 2005 8"	11mmT6 DIFF,VF,VS,AV,R=F		
NGC 1	Peg	Galaxy SA(s)b:	F,S,R,BET*11\$*14 VF,
Sep 02 2016 12"	8mm Et PF,PS,OVAL,NND,R=F. SQM-20.12. 53 DEGREES AT 2350 HOURS.		
Nov 02 2005 31"	19mmW MB,ML,OVAL,FNUC,MSB,R=G		
Sep 01 2005 8"	7.5mmW VF,VVS,OVAL,NND,AV,R=F		
NGC 2	Peg	Galaxy Sab	VF,S,S OF1
Sep 02 2016 12"	8mm Et PF,PS,OVAL,NND,R=F, PAIRED WITH NGC-1		
Nov 02 2005 31"	19mmW F,ML,EL,NND,R=F		
NGC 3	Psc	Galaxy S0?	F,VS,R,ALMSTEL
Aug 24 2012 18"	5mm TV VF,VS,OVAL,MEXT,UB,NND,R=F		
NGC 5	And	Galaxy E:	VF,VS,N=*13,14
Oct 12 2012 18"	7mm TV PF,PS,OVAL,FNUC,R=F,PA=10		
NGC 9	Peg	Galaxy Sb: pec	F,R,*9,10 SF
Nov 02 2005 31"	19mmW PF,FL,OVAL,NND,R=F		

Observations Listing by Catalog Number

NGC 11	And		Galaxy Sa	VF,VS,VLE,2VF*INV
Oct 12 2012 18"	7mm TV	PF,PS,EON,UB,NND,R=F		
NGC 12	Psc	H868-3	Galaxy SAB(rs)c:	EF,PL,VGLBM
Dec 12 2012 36"	17mmT4	PF,PS,R,NND,R=F,15TH MAG	STAR TO WEST,BRIGHTER TOWARDS THE MIDDLE.	
Nov 28 2010 12"	7mm TV	VF,CS,R,UB,NND,R=F,AV2		
NGC 13	And	H866-3	Galaxy (R)Sab:	VF,VS,S ST+NEB
Aug 24 2012 18"	5mm TV	VF,PS,OVAL,VEXT,UB,NND,R=F		
Oct 17 2004 8"	7.5mmW	MF,EL,EON,NND,AV,R=G		
NGC 14	Peg	H591-2	Galaxy (R)IB(s)m pec	VF,PS,R,GLBM
Oct 30 2008 16"	17mmT4	F,VS,R,NND,R=F		
Oct 06 2004 8"	11mmT6	EF,EL,EON,NND,AV,R=F		
NGC 15	Peg		Galaxy Sa	VF,VS,R,BM
Nov 02 2005 31"	19mmW	MB,ML,EL,OVAL,FNUC,MSB,R=G		
NGC 16	Peg	H15-4	Galaxy SAB0- sp	PB,S,R,BM
Nov 02 2005 31"	19mmW	VB,ML,EON,OVAL,BNUC,HISB,R=G		
Sep 01 2005 8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F		
NGC 17	Cet		Galaxy Pec	VF,ES,IR,D*2'P
Dec 12 2012 36"	17mmT4	PB,PS,OVAL,PEXT,BNUC,R=G		
NGC 20	And		Galaxy S0-:	F,*10ATT
Aug 24 2012 18"	5mm TV	VF,PS,OVAL,UB,NND,AV2,R=P		
Oct 30 2005 31"	17mmT4	VB,ML,OVAL,FNUC,MSB,R=G		
NGC 21	And		Galaxy SBb	EF,S,LE
Sep 09 2010 12"	5.5mmN	CF,PS,OVAL,MEXT,UB,NND,R=F,PA=95		
NGC 22	Peg		Galaxy Sb	VF,PS,R,LBM,R
Nov 02 2005 31"	19mmW	MB,ML,R,NND,R=F		
NGC 23	Peg	H147-3	Galaxy SB(s)a	3S*+NEB
Sep 24 2016 12"	8mm Et	F,S,R,UB,NND,R=F		
Sep 15 2004 8"	7.5mmW	EF,OVAL,PATCH,NND,AV,R=F		
NGC 24	Scl	H461-3	Galaxy SA(s)c	VF,CL,ME,GBM
Oct 31 2010 12"	11mmT6	PF,PS,EON,UB,NND,R=F,PA=80. 13TH MAG. STR AT WEST END.		
NGC 26	Peg		Galaxy SA(rs)ab	VF,PL,R,2F*N
Sep 24 2016 12"	8mm Et	VF,S,R,UB,NND,AV,R=F		
Sep 15 2004 8"	7.5mmW	EF,PATCH,NND,AV,R=F, MAG=13.9		
NGC 27	And		Galaxy S?	EF,VS,E,B*NR
Oct 12 2012 18"	7mm TV	VF,PS,OVAL,MEXT,UB,NND,R=F		

Observations Listing by Catalog Number

NGC 29 Sep 09 2010 12"	And 5.5mmN	H853-2 CF,PS,OVAL,PEXT,UB,NND,R=F,PA=45	Galaxy SAB(s)bc:	PB,PL,E0
NGC 35 Dec 12 2012 36"	Cet 17mmT4	PF,PS,OVAL,UB,NND,R=F	Galaxy Sb	EEF,PS,R
NGC 36 Dec 12 2012 36" Nov 28 2010 12"	Psc 17mmT4 7mm TV	H456-3 VF,VS,R,FNUC,R=F,SOME SPIRAL STRUTURE ON ARMS CF,CS,OVAL,UB,NND,R=F,PA=40	Galaxy SAB(rs)b	VF,PS,IF
NGC 38 Dec 12 2012 36"	Psc 17mmT4	PF,PS,R,FRNUC,R=F	Galaxy (R)SAa:	F,S,R,MBM
NGC 39 Oct 12 2012 18"	And 7mm TV	H861-3 VF,PS,R,UB,NND,AV,R=P	Galaxy SA(rs)c	VF,PS,R
NGC 40 Oct 05 2016 12" Nov 11 2009 12" Oct 06 2004 8"	Cep 11mmT6 7.5mmW 7.5mmW	H58-4 B,VS,R=G. OIII HELPS. NOT SURE ABOUT CENTRAL STAR B,PS,R=G, CENTRAL STAR VISIBLE MB,R,R=G	Planetary Neb 3b+3	F,VS,R,VSMBM,*12SP
NGC 41 Nov 02 2005 31"	Peg 19mmW	MB,ML,OVAL,FNUC,MSB,R=G	Galaxy S?	PF,S,LE,GBM
NGC 42 Nov 02 2005 31"	Peg 19mmW	MB,FS,OVAL,NND,R=F	Galaxy S0-:	F,VS,STELL
NGC 43 Sep 09 2010 12"	And 5.5mmN	PF,PS,R,FNUC,R=F	Galaxy SB0	EF,*12NP 45"
NGC 45 Dec 12 2012 36"	Cet 17mmT4	DIFF,PF,PS,OVAL,UB.,NND,R=F	Galaxy SA(s)dm	EF,L,VGVLBM,L*CONT F
NGC 47 Dec 12 2012 36"	Cet 17mmT4	PF,PS,R,FNUC,R=F,AKA NGC-58	Galaxy SBbc	VF,VS
NGC 48 Oct 12 2012 18"	And 7mm TV	PF,PS,R,UB,NND,R=F	Galaxy SABbc pec:	EEF,PL,R,V DIFFIC
NGC 49 Oct 12 2012 18"	And 7mm TV	VF,PS,OVAL,UB.,NND.R=F	Galaxy S0?	EEF,S,R,2ND OF3
NGC 50 Dec 12 2012 36"	Cet 17mmT4	PF,PS,R,BNUC,R=F	Galaxy S0- pec	VF
NGC 51 Oct 12 2012 18"	And 7mm TV	PF,PS,R,UB,NND,R=F	Galaxy S0^ pec:	PF,PS,R,BM

Observations Listing by Catalog Number

NGC 52 Nov 02 2005 31"	Peg 19mmW	H183-3 PF,PL,EON,NND,R=F	Galaxy S?	VF,S,E
NGC 57 Oct 06 2004 8"	Psc 7.5mmW	H241-2 F,EL,EON,FNUC,R=F	Galaxy E	F,S,R,SBM
NGC 62 Nov 10 2012 18"	Cet 7mm TV	PF,VS,OVAL,UB,NND,R=F	Galaxy (R)SB(r)a:	F,VS,R,GLBM
NGC 63 Oct 09 2007 8"	Psc 11mmT6	PF,PS,R,UB,NND,R=F	Galaxy S pec	PF,S,R,SBM
NGC 64 Nov 10 2012 18"	Cet 7mm TV	VF,VS,OVAL,UB,NND,R=F	Galaxy SB(s)bc	EEF,VS,R,VDIFFIC
NGC 67 Oct 12 2012 18"	And 7mm TV	VF,VS,R,UB,NND,R=F	Galaxy E:	EF,VS,R
NGC 68 Oct 12 2012 18" Aug 24 2012 18"	And 7mm TV 5mm TV	H16-5 VF,VS,R,UB,NND,AV2,R=P VF,PS,R,UB,NND,R=F	Galaxy SA0-	EF,L,3OR4*+NEB
NGC 69 Oct 12 2012 18"	And 7mm TV	VF,VS,R,UB,NND,R=F	Galaxy SB(s)0-	EF,VS,R,
NGC 70 Oct 12 2012 18" Aug 24 2012 18"	And 7mm TV 5mm TV	VF,S,OVAL,UB,NND,R=F VF,PS,OVAL,UB,NND,AV,R=F	Galaxy SA(rs)c	EF,VS,R,BET2F*
NGC 71 Oct 12 2012 18" Aug 24 2012 18"	And 7mm TV 5mm TV	VF,PS,OVAL,UB,NND,R=F PF,PS,OVAL,UB,NND,R=F	Galaxy SA0- pec:	EF,VS,R
NGC 72 Oct 12 2012 18"	And 7mm TV	PF,PS,R,UB,NND,R=P	Galaxy SB(rs)ab	EF,VS,R
NGC 72A Oct 12 2012 18"	And 7mm TV	VF,VS,R,UB,NND,R=F	Galaxy E3:	
NGC 74 Oct 12 2012 18"	And 7mm TV	VF,VS,OVAL,MEXT,UB,AV1,R=F	Galaxy Sb	EF,S,E,LAST OF 6
NGC 76 Sep 12 2010 12"	And 7mm TV	CF,CS,OVAL,UB,NND,R=F,PA=95	Galaxy S?	VF,S,BM
NGC 80 Oct 26 2014 12" Nov 08 2010 12" Oct 17 2004 8"	And 11mmT6 5.5mmN 7.5mmW	PF,PS,R,UB,NND,R=F VF,CS,R,UB,NND,AV2,R=F VF,OVAL,NND,AV,R=F	Galaxy SA0-:	F,S,R,PSBM

Observations Listing by Catalog Number

NGC 83	And		Galaxy E	E,BIN,3B*NR
Oct 26 2014 12"	11mmT6	PF,PS,R,UB,NND,R=F		
Oct 17 2004 8"	7.5mmW	VF,OVAL,NND,AV,R=F		
NGC 90	And		Non-Existent	
Oct 26 2014 12"	11mmT6	VF,VS,OVAL,VEXT,UB,NND,R=R		
NGC 91	And		Galaxy S	VF,VS,*13SP
Nov 08 2010 12"	5.5mmN	VF,CS,EON,UB,NND,AV3,R=F		
NGC 93	And		Galaxy S?	VF,VS
Nov 08 2010 12"	5.5mmN	VF,CS,OVAL,UB,NND,AV2,R=F		
NGC 95	Psc	H257-2	Galaxy SAB(rs)c pec	F,PL,R,GBM
Nov 28 2010 12"	7mm TV	PF,PS,OVAL,PEXT,FNUC,R=F		
NGC 97	And		Galaxy E:	F,VS,R,GBM
Aug 24 2012 18"	5mm TV	PF,PS,R,UB,NND,R=F		
Sep 09 2010 12"	5.5mmN	PF,PS,R,FNUC,R=F		
NGC 103	Cas		Open Cluster 11.0 II 1 m	CL,PS,PC,*11...18
Sep 05 2007 8"	11mmT6	F,S,SCATTERED STARS,R=F		
NGC 108	And	H148-3	Galaxy (R)SB(r)0+	PF,PL,R,PSLBM
Oct 17 2004 8"	7.5mmW	VF,OVAL,NND,AV,R=F		
NGC 110	Cas		Open Cluster 9.7 IV 1 p cl	CL,PR,LC,*9...12
Oct 21 2012 8"	11mmT6	LARGE, LOOSE, GROUP,R=P		
NGC 125	Psc	H869-3	Galaxy (R)SA0+ pec:	VF,S,BM,D*SP
Oct 09 2007 8"	11mmT6	PF,PS,R,NND,R=F		
NGC 128	Psc	H854-2	Galaxy S0 pec sp	PB,PS,LE2,BM
Oct 09 2007 8"	11mmT6	PB,PS,OVAL,UB,NND,R=F		
NGC 129	Cas	H79-8	Open Cluster 11.0 III 2 m	CL,VL,PR,LC,*9...13
Oct 21 2012 8"	11mmT6	B,L,R=G		
Nov 26 2006 1.9"	12x50	F,L,DIM,RESOVLE 2-3 STARS,R=F		
Nov 09 2006 8"	19mmW	20+, LOOSE, SOME NEB. R=F		
Oct 06 2004 8"	7.5mmW	OVAL,R=G		
NGC 132	Cet	H855-2	Galaxy SAB(s)bc	PF,CL,R,VGLBM,R
Nov 28 2010 12"	7mm TV	PF,PS,OVAL,UB,NND,R=F,PA=30		
NGC 133	Cas		Open Cluster IV 1 p	CL,PL,*10...,D*INV
Sep 05 2007 8"	11mmT6	B,S,R=F		
NGC 136	Cas	H35-6	Open Cluster 13.0 II 1 p	GCL,VF,S,EC
Nov 03 2004 8"	11mmT6			

Observations Listing by Catalog Number

NGC 137 Oct 07 2010 12"	Psc 5.5mmN	H471-2 PF,CS,,R,UB,NND,R=F	Galaxy S0	F,IF,LBM
NGC 140 Aug 24 2012 18"	And 5mm TV	VF,PS,R,UB,NND,AV3,R=P	Galaxy Scd:	VF,S,R,GBM
NGC 146 Sep 05 2007 8"	Cas 11mmT6	B,S,R=F	Open Cluster 11.6 II 2 p	CL,PL,LC,*11-12,D*
NGC 147 Aug 21 2004 8"	Cas 11mmT6	CLEAR SKIES - H.H. LITE.	Galaxy E5 pec 1ST REAL TEST	VF,VL,IR,GSMBM*11
NGC 149 Aug 24 2012 18"	And 5mm TV	VF,VS,OVAL,UB,NND,AV3,R=P	Galaxy S0:	VF,VS,R,GBM*14,*12SP
NGC 151 Nov 10 2007 31"	Cet 17mmT4	H478-2 PB,PL,OVAL,FNUC,HSB,R=G	Galaxy SBbc	PF,PL,LE90,VGLBM
NGC 153 Dec 16 2009 12"	Cet 7.5mmW	PF,PS,OVAL,UB,NND,R=F	Non-Existent	PF,PS,R,*NR NF
NGC 154 Nov 28 2010 12"	Cet 7mm TV	H467-3 CF,CS,OVAL,MEXT,UB,NND,R=F	Galaxy E	EF,VS,R
NGC 157 Nov 03 2004 8"	Cet 11mmT6	H3-2 MB,EL,NND,MSB,R=G	Galaxy SAB(rs)bc	PB,L,E,BET2CB*
NGC 160 Oct 17 2004 8"	And 7.5mmW	H476-3 VF,EL,OVAL,NND,AV,R=F	Galaxy (R)SA0+ pec	VF,VS,STELL,*8NP4'
NGC 163 Nov 28 2010 12"	Cet 7mm TV	H954-3 CF,CS,R,FNUC,R=F	Galaxy E0	VF,VS
NGC 165 Nov 28 2010 12"	Cet 7mm TV	DIFF,CF,PS,R,NND,R=F	Galaxy SB(rs)bc	F,L,*INCENTRE,F OF 2
NGC 169 Oct 17 2004 8"	And 7.5mmW	VF,EL,NND,AV,R=F	Galaxy SA(s)ab: sp	F,PL,D ORBIN,*6NF4'
NGC 171 Dec 16 2009 12"	Cet 7.5mmW	H223-3 VF,PS,R,NND,R=F	Galaxy SB(r)ab	VF,PL,LE,2PB*SF
NGC 173 Nov 28 2010 12"	Cet 5.5mmN	H871-3 CF,PS,OVAL,UB,NND,R=F,PA=100	Galaxy SA(rs)c	VF,S,R,VGBM,*11SP1'
NGC 180 Nov 28 2010 12"	Psc 7mm TV	H876-3 DIFF,CF,PS,OVAL,UB,NND,R=F	Galaxy SB(rs)bc	VF,PL,IR,*NP INV

Observations Listing by Catalog Number

NGC 182 Oct 07 2010 12"	Psc 5.5mmN	H870-3 VF,VS,OVAL,UB,NND,R=F,AV-5,PA=100	Galaxy (R')SAB(rs)a p:	VF,S,IR,VGBM
NGC 183 Oct 17 2004 8"	And 7.5mmW	VF,OVAL,NND,AV,R=F	Galaxy E	PF,VS,R,GBM
NGC 185 Jul 23 2006 8" Aug 21 2004 8"	Cas 11mmT6 11mmT6	H707-2 VF,PL,OVAL,NND,AV,R=F CLEAR SKIES - H.H. LITE.	Galaxy E3 pec 1ST REAL TEST	PB,VL,IR,VGMBM,R
NGC 188 Oct 18 2009 12"	Cep 11mmT6	PF,S, R=F, TIGHT GROUP	Open Cluster 10.0 I 2 r	CL,VL,R,150-200*
NGC 189 Dec 05 2015 12" Sep 05 2007 8"	Cas 17mmT4 11mmT6	F,S,R=F	Open Cluster 11.0 III 1 p	CL,PL,R,*11...15
NGC 191 Nov 28 2010 12"	Cet 7mm TV	H479-2 CF,CS,R,UB,NND,R=F	Galaxy SAB(rs)c: pec	PB,PL,IE0,
NGC 192 Nov 28 2010 12"	Cet 7mm TV	H872-3 PF,PS,EON,FNUC,R=F,PA=175	Galaxy (R')SB(r)a:	F,PS,PME,BM
NGC 193 Oct 06 2004 8"	Psc 11mmT6	H595-3 MF,EL,FNUC,R=F	Galaxy SAB(s)0-:	F,L,P OF2,*15CLOSESP
NGC 194 Oct 06 2004 8"	Psc 11mmT6	H856-2 MF,EL,NND,AV,R=F	Galaxy E	PB,S,R,VGBM
NGC 196 Nov 28 2010 12"	Cet 7mm TV	H860-2 CF,PS,OVAL,UB,NND,R=F	Galaxy SB0 pec:	F,PS,R,PSMBM
NGC 198 Nov 10 2007 31"	Psc 17mmT4	H857-2 PB,PL,R,NND,UB,R=F	Galaxy SA(r)c	F,S,VGBM
NGC 200 Nov 10 2007 31"	Psc 17mmT4	H858-2 PB,PL,OVAL,UB,NND,R=F	Galaxy SB(s)bc	PB,S,VGBM
NGC 201 Nov 28 2010 12"	Cet 7mm TV	H873-3 CF,PS,OVAL,UB,NND,R=F,AV1	Galaxy SAB(r)c	VF,CL,E,VGLBM

Observations Listing by Catalog Number

NGC 205	And	M110 H18-5	Galaxy E5 pec	VB,VL,ME165,VGVMBM
Jan 25 2018 12"	11mmT6	NICE OBJECT		
Sep 02 2016 12"	35mm A	SUPER		
Dec 05 2015 12"	17mmT4			
Aug 21 2015 12"	8mm Ds			
Oct 26 2014 12"	22mmAT	EYE CANDY		
Jul 13 2013 18"	35mm A	MORE EYE CANDY		
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Aug 31 2010 12"	17mmAT	NIGHT ENDING EYE CANDY		
Mar 08 2010 12"	32mmUW	M.M. 2010 MANUAL SETTING CIRCLES		
Dec 16 2009 12"	20mmUW			
Mar 20 2009 1.9"	12x50	MESSIER MARATHON - 2009		
Aug 20 2006 1.9"	12x50	B,L,OVAL,UB,NND,R=G		
Mar 19 2006 8"	25mmPL	PB,ML,OVALFNUC,HISB,R=G		
Oct 27 2004 31"	31mmT5	VB,ML,OVALL,HISB,R=E, LUNAR ECLIPSE		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Dec 26 2003 8"	25mmPL	Q/M COLD		
NGC 206	And	H36-5	Knot in Galaxy	VF,VL,ME0
Nov 10 2007 31"	17mmT4	DIFF,PF,CL,R=F,IRREGULAR SHAPE.		
NGC 210	Cet	H452-2	Galaxy SAB(s)b	B,PS,R,PSBM,R,*11P2'
Dec 16 2009 12"	7.5mmW	PF,PS,OVAL,UB,NND,R=F		
NGC 214	And	H209-2	Galaxy SAB(r)c	PF,PS,GVLBM,R
Oct 05 2016 12"	8mm Et	PF,S,R,UB,NND,R=G. MIRACH'S GHOST		
Nov 03 2004 8"	11mmT6	VF,EL,NND,AV,R=F		
NGC 216	Cet	H244-3	Galaxy S0[^]? sp	EF,VS,LE
Nov 28 2010 12"	7mm TV	PF,CS,EON,UB,NND,R=F,PA=45		
NGC 217	Cet	H480-2	Galaxy S0/a: sp	F,S,LE90,GLBM
Nov 10 2007 31"	17mmT4	PB,PS,EON,FNUC,R=G		

Observations Listing by Catalog Number

NGC	221	And	M32	Galaxy cE2	VVB,L,R,PSMBMN
	Jan 25 2018	12"	11mmT6	NICE OBJECT	
	Sep 02 2016	12"	35mm A	SUPER	
	Dec 05 2015	12"	17mmT4		
	Aug 21 2015	12"	35mm A		
	Oct 26 2014	12"	22mmAT	EYE CANDY	
	Jul 13 2013	18"	35mm A	MORE EYE CANDY	
	Oct 21 2012	8"	11mmT6	PB,LOOKED PRETTY GOOD	
	Mar 16 2012	18"	17mmAT	2012 M.M.	
	Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
	Aug 31 2010	12"	17mmAT	NIGHT ENDING EYE CANDY	
	Mar 08 2010	12"	32mmUW	M.M. 2010 MANUAL SETTING CIRCLES	
	Dec 16 2009	12"	20mmUW		
	Mar 20 2009	1.9"	12x50	MESSIER MARATHON - 2009	
	Oct 29 2008	16"	20mmUW	LARGE,BRIGHT,R=E	
	Oct 29 2006	8"	19mmW	F,VS,OVAL,UB,NND,R=G	
	Aug 20 2006	1.9"	12x50	B,S,OVAL,NND,R=F	
	Mar 19 2006	8"	25mmPL	B,S,OVAL,OVAL,R,ND,R=F	
	Oct 27 2004	31"	31mmT5	VB,ML,EL,HISB,R=E, LUNAR ECLIPSE	
	Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
	Dec 26 2003	8"	25mmPL	Q/M COLD	
NGC	224	And	M31	Galaxy SA(s)b	EEB,EL,VME,ANDROMEDA 17
	Jan 25 2018	12"	35mm A	NICE OBJECT	
	Sep 02 2016	12"	35mm A	BEAUTIFUL	
	Dec 05 2015	12"	17mmT4		
	Sep 10 2015	36"	17mmT4	ALWAYS A TREAT	
	Aug 21 2015	12"	35mm A	ANDROMEDA	
	Oct 26 2014	12"	22mmAT	EYE CANDY	
	Jul 13 2013	18"	35mm A	MORE EYE CANDY	
	Oct 21 2012	8"	25mmPL	ALWAYS GREAT	
	Mar 16 2012	18"	17mmAT	2012 M.M.	
	Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
	Aug 31 2010	12"	22mmAT	NIGHT ENDING EYE CANDY	
	Mar 08 2010	12"	32mmUW	M.M. 2010 MANUAL SETTING CIRCLES	
	Dec 16 2009	12"	20mmUW		
	Sep 13 2009	12"	32mmUW	4TH OBJECT	
	Mar 20 2009	1.9"	12x50	MESSIER MARATHON - 2009	
	Oct 29 2008	16"	20mmUW	SMALL,BRIGHT,R=E	
	Oct 09 2007	8"	19mmW	VB,VL,OVAL,BNUC,VHISB,R=E	
	Oct 29 2006	8"	19mmW	VB,VL,OVAL,MBNUC,VHISB,R=E	
	Aug 20 2006	1.9"	12x50	VB,VL,OVAL,BNUC,HISB,R=E!!	
	Mar 19 2006	8"	25mmPL	VB,VL,OVAL,BNUC,VHISB,R=E	
	Oct 27 2004	1.9"	12x50	FIRST MESSIER IN BINOCULARS - VERY NICE	
	Oct 27 2004	31"	31mmT5	VB,EL,EL,OVAL,HISB,R=E, LUNAR ECLIPSE	
	Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
	Dec 26 2003	8"	25mmPL	Q/M COLD	

Observations Listing by Catalog Number

NGC 225	Cas	H78-8	Open Cluster 9.3 III 1 p n	CL,L,LC,*9...10
Sep 24 2016 12"	11mmT6	B,L,R=F.	SAILBOAT CLUSTER	
Dec 05 2015 12"	17mmT4			
Oct 21 2012 8"	11mmT6	PF,PS,STARS=22-30,R=G		
Sep 15 2004 8"	11mmT6	LIGHT CLOUDS IN & OUT		
NGC 226	And		Galaxy S?	EF,S,R,*13S20"
Aug 24 2012 18"	5mm TV	PF,VS,OVAL,UB,NND,R=F		
NGC 227	Cet	H444-2	Galaxy S0- pec:	F,PL,LBM
Nov 28 2010 12"	5.5mmN	DIFF,VF,PS,OVAL,UB,NND,R=F,AV3		
NGC 228	And		Galaxy (R)SB(r)ab	EF,S,R,FAINTER OF 2
Aug 24 2012 18"	5mm TV	PF,PS,OVAL,EEXT,FNUC,R=F		
NGC 229	And		Galaxy Sab	VF,S,R,SMALLER OF 2
Aug 24 2012 18"	5mm TV	DIFF,VF,PS,R,UB,NND,R=F		
NGC 233	And	H149-3	Galaxy E?	F,VS,R,LBM
Sep 09 2010 12"	5.5mmN	PF,PS,R,FNUC,R=F		
NGC 234	Psc	H245-2	Galaxy SAB(rs)c	F,PS,ILE,BM
Nov 28 2010 12"	7mm TV	DIFF,VF,CS,R,UB,NND,R=F,AV2		
NGC 243	And		Galaxy S0?	F,VS,R,GBM,*10P
Aug 24 2012 18"	5mm TV	PF,VS,OVAL,UB,NND,R=F		
NGC 244	Cet	H485-3	Galaxy S0 pec?	VF,S,IR,R,*10S5'
Nov 28 2010 12"	7mm TV	PF,CS,OVAL,FNUC,R=F,PA=45		
NGC 245	Cet	H445-2	Galaxy SA(rs)b pec?	F,PS,IF,ER
Nov 28 2010 12"	7mm TV	PF,PS,OVAL,FNUC,R=F,PA=125		
NGC 246	Psc	H25-5	Planetary Neb 3b	VF,L,4*IN DIF NEB
Nov 28 2010 12"	7mm TV	PF,PS,R=F,IRREGULAR SHAPE, NO CENTRAL STAR, OIII HELPS		
Nov 21 2006 8"	11mmT6	F,L,R,R=G		
NGC 247	Cet	H20-5	Galaxy SAB(s)d	F,EL,VME172
Nov 21 2006 8"	19mmW	F,L,EON,NND,R=F		
NGC 251	Psc	H204-3	Galaxy Sc	VF,S,R,LBM,*INV,2S*F
Nov 28 2010 12"	7mm TV	DIFF,CF,CS,OVAL,UB,NND,R=F		
NGC 252	And	H609-2	Galaxy (R)SA(r)0+:	PB,S,R,PMBM,R,**P
Aug 24 2012 18"	5mm TV	PF,PS,OVAL,FNUC,R=F		
Sep 09 2010 12"	5.5mmN	PF,PS,OVAL,FNUC,MSB,R=F,PA=130		

Observations Listing by Catalog Number

NGC 253	Sci	H1-5	Galaxy SAB(s)c	VVB,VVL,VME54,GBM
Nov 04 2007 1.9"	12x50	PB,PL,EL,OVAL,UB,ND,R=G		
Nov 21 2006 8"	11mmT6	B,PL,EON,NND,R=G		
NGC 255	Cet	H472-2	Galaxy SAB(rs)bc	F,PS,R,GBM
Nov 28 2010 12"	7mm TV	PF,PS,R,FNUC,R=F		
NGC 257	Psc	H863-2	Galaxy Scd:	PL,LE,GBM,R
Nov 28 2010 12"	7mm TV	PF,PS,OVAL,UB,NND,R=F		
NGC 258	And		Galaxy Sb	EF,S,VF*CLOSE
Aug 24 2012 18"	5mm TV	PF,VS,OVAL,UB,NND,R=F		
NGC 259	Cet	H621-2	Galaxy Sbc: sp	F,S,E135,LBM
Nov 28 2010 12"	7mm TV	CF,CS,EON,UB,NND,R=F,AV1,PA=160		
NGC 260	And		Galaxy Scd pec:	EF,PS,LE
Aug 24 2012 18"	5mm TV	VF,VS,R,NND,AV2,R=P		
NGC 262	And		Galaxy SA(s)0/a:	EF,VS,R,V DIFFIC
Oct 30 2005 31"	17mmT4	MF,ML,R,NND,R=F		
NGC 266	Psc	H153-3	Galaxy SB(rs)ab	PB,PS,LE,PSBM,*8SF4'
Oct 09 2007 8"	11mmT6	VF,PS,R,NND,AV,R=F		
NGC 268	Cet	H463-3	Galaxy SB(s)bc:	VF,PS,ILE,R
Nov 28 2010 12"	7mm TV	PF,CS,OVAL,UB,NND,R=F,PA=35		
NGC 270	Cet	H955-3	Galaxy S0+	PF,VS,IR,PGBM
Nov 28 2010 12"	7mm TV	PF,PS,OVAL,FNUC,R=F,PA=15		
NGC 271	Cet	H446-2	Galaxy (R')SB(rs)ab	PF,S,LE,PSBM,*8F5S
Nov 28 2010 12"	7mm TV	CF,CS,OVAL,UB,NND,R=F,AV1		
NGC 272	And		Open Cluster 9.0 asterism	CL,L,LC
Nov 08 2010 12"	5.5mmN	PF,VS,R=F,FISHHOOK		
NGC 274	Cet	H429-3	Galaxy SAB(r)0- pec	PB,PS,SMBM,NP OF2
Nov 28 2010 12"	7mm TV	PF,PS,R,FNUC,R=F,PAIRED W/NGC-275		
NGC 275	Cet		Galaxy SB(rs)cd pec	VF,S,R,SF OF 2
Nov 28 2010 12"	7mm TV	PF,PS,OVAL,UB,NND,R=F,PAIRED W/NGC-274		
NGC 278	Cas	H159-1	Galaxy SAB(rs)b	CB,PL,R,2*10NR
Oct 05 2016 12"	11mmT6	F,S,FNUC,R=G		
Jul 23 2006 8"	11mmT6	PF,CS,R,NND,R=F		
Aug 21 2004 8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST		

Observations Listing by Catalog Number

NGC 281	Cas		Nebula E	F,VL,DIF,STRIP*NP
Sep 24 2016 12"	17mmT4	B,L,R=G.	NEEDS OIII.	
Dec 05 2015 12"	17mmT4			
Aug 21 2015 12"	8mm Ds	LP2 FILTER		
Oct 26 2014 12"	17mmT4	PAC-MAN NEBULA.	GREAT W/OIII FILTER	
Oct 07 2010 12"	17mmAT	F,L,R=G,OIII FILTER,	PAC MAN	
Sep 15 2004 8"	11mmT6	NEBULA NOT SEEN!		
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 315	Psc	H210-2	Galaxy E+:	PB,PL,R,GBM,*9NF3'
Oct 09 2007 8"	11mmT6	PF,PS,OVAL,NND,R=F		
NGC 317B	And		Galaxy SB?	
Nov 10 2012 18"	7mm TV	VF,VS,PEXT,UB,NND,R=F		
NGC 337	Cet	H433-2	Galaxy SB(s)d	PF,L,E,GLBM,*10F21S
Nov 10 2007 31"	17mmT4	PB,PL,OVAL,UB,NND,R=G		
NGC 337A	Cet		Galaxy SAB(s)dm	
Nov 10 2007 31"	17mmT4	DIFF,PF,CL,OVAL,NND,R=F		
NGC 355	Cet		Galaxy SB0^ pec:	EF,VS
Nov 10 2007 31"	17mmT4	PF,PS,EON,NND,AV,R=F		
NGC 357	Cet	H434-2	Galaxy SB(r)0/a:	F,S,IR,SBM,*14NF20"
Nov 10 2007 31"	17mmT4	PB,PS,OVAL,BNUC,R=G		
NGC 366	Cas		Open Cluster 10.0 II 3 m	CL,S
Oct 24 2012 8"	11mmT6	SMALL,FAINT,STARS=6+,R=P		
NGC 381	Cas	H64-8	Open Cluster 10.0 III 1 m	CL,PC
Sep 15 2004 8"	11mmT6	LIGHT CLOUDS IN & OUT		
NGC 393	And	H54-1	Galaxy S0-:	F,VS,VLE,GBM,4S*NR
Sep 09 2010 12"	5.5mmN	PF,PS,OVAL,FNUC,MSB,R=G,PA=75		
NGC 404	And	H224-2	Galaxy SA(s)0-:	PB,CL,R,GBM,
Oct 05 2016 12"	8mm Et	PF,S,R,UB,NND,R=F		
Dec 01 2004 31"	11mmT6	MB,OVAL,FNUC,MSB,R=G,	SOLO EFFORT	
Oct 06 2004 8"	7.5mmW	VB,EL,OVAL,FNUC,R=G		
NGC 410	Psc	H220-2	Galaxy E+:	PB,PL,NF OF 2
Oct 09 2007 8"	11mmT6	CF,CS,OVAL,NND,R=F		
NGC 425	And		Galaxy S?	VF,VS,R,LBM,*11ATT
Nov 08 2010 12"	5.5mmN	VF,CS,R,UB,NND,AV1,R=F		

Observations Listing by Catalog Number

NGC 428	Cet	H622-2	Galaxy SAB(s)m	F,L,R,BM,ER
Nov 10 2007 31"	17mmT4	PB,PL,OVAL,UB,NND,R=G		
NGC 433	Cas		Open Cluster 9.0 III 2 p	CL,S,LC
Oct 24 2012 8"	11mmT6	VS,VF,R=P		
NGC 436	Cas	H45-7	Open Cluster 10.0 I 2 m	CL,S,IF,PC
Oct 21 2012 8"	11mmT6	PF,PS,STARS=12-15,R=F		
Nov 26 2006 1.9"	12x50	F,PS,DIM PATCH,R=F		
Sep 19 2004 8"	7.5mmW	TYPICAL CLUSTER		
NGC 451	Psc		Galaxy S?	VF,VS,R,VLBM
Oct 12 2012 18"	7mm TV	PF,PS,OVAL,UB,NND,R=F		
NGC 457	Cas	H42-7	Open Cluster 8.6 II 3 r	CL,B,L,PRI,*7,8,10
Sep 24 2016 12"	11mmT6	B,L,R=G. OWL CLUSTER		
Dec 05 2015 12"	17mmT4	E.T. CLUSTER. AKA OWL CLUSTER		
Oct 21 2012 8"	11mmT6	F,S,STARS=50-60,R=G		
Nov 26 2006 1.9"	12x50	F,L,DIM,PATCHY,R=F		
Nov 09 2006 8"	19mmW	30+,CROSS SHAPED,R=F		
Jul 23 2006 8"	7.5mmW	CB,PL,R=G,EXTENDED GROUP		
Dec 31 2003 8"	25mmPL	H/M COLD		
NGC 467	Psc	H108-1	Galaxy SA(s)0^ pec?	PB,PL,R,GBM
Oct 09 2007 8"	11mmT6	PF,VS,R,NND,R=F		
NGC 469	Psc		Galaxy S	EF,S,R
Oct 18 2009 12"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 470	Psc	H250-3	Galaxy SA(rs)b	PB,L,IR
Oct 09 2007 8"	11mmT6	PB,PS,OVAL,NND,R=F		
NGC 474	Psc	H251-3	Galaxy SA(s)0^	PB,S,SMBM,F OF 2
Oct 09 2007 8"	11mmT6	PF,PL,R,NND,R=F		
NGC 477	And	H577-3	Galaxy SAB(s)c	VF,PS,VLE,VGLBM
Oct 30 2005 31"	17mmT4	MF,ML,OVAL,NND,R=F		
NGC 488	Psc	H252-3	Galaxy SA(r)b	PB,L,R,SVMBM,*8F10'
Nov 21 2006 8"	11mmT6	B,L,OVAL,FNUC,R=F		
Aug 21 2004 8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST		
NGC 495	Psc	H156-3	Galaxy (R')SB(s)0/a p:	VF,S,1ST OF 3
Nov 10 2007 31"	17mmT4	PB,S,OVAL,BNUC,R=F		
NGC 496	Psc	H157-3	Galaxy Sbc	VF,VS,2ND OF 3
Nov 10 2007 31"	17mmT4	PF,PL,OVAL,UB,NND,R=F		

Observations Listing by Catalog Number

NGC 499 Nov 10 2007 31"	Psc 17mmT4	H158-3 PB,PL,OVAL,BNUC,HSB,R=G	Galaxy S0-	PB,PL,R,3RD OF 3
NGC 507 Oct 30 2005 31"	Psc 17mmT4	H159-3 VB,VL,R,FNUC,MSB,R=G	Galaxy SA(r)0^	VF,PL,R,BM,S OF 2
NGC 508 Oct 30 2005 31"	Psc 17mmT4	H160-3 VB,VL,R,FNUC,MSB,R=G	Galaxy E0:	VF,S,N OF 2
NGC 513 Nov 10 2007 31"	And 17mmT4	H169-3 PB,PS,OVAL,FNUC,R=F	Galaxy S?	F,S,STELLAR
NGC 514 Oct 09 2007 8"	Psc 11mmT6	H252-2 DIF,PF,PS,OVAL,NND,AV,R=F	Galaxy SAB(rs)c	F,L,LE,VGLBM,**F
NGC 520 Oct 09 2007 8"	Psc 11mmT6	H253-3 PB,PL,EL,OVAL,NND,R=F	Galaxy Pec	F,CL,E137
NGC 522 Dec 12 2012 36"	Psc 17mmT4	H252-2 PF,PS,,EON,UB,NND,R=G,PA=45,SLIGHT BULGE	Galaxy Sbc: sp	EF,PL,IF,(CL+NEB)
NGC 523 Nov 08 2010 12"	And 5.5mmN	H170-3 CF,CS,EON,UB,NND,AV1,R=F	Galaxy Pec	DNEB,VF,VS,DIST30"
NGC 524 Nov 21 2006 8" Aug 21 2004 8"	Psc 11mmT6 11mmT6	H151-1 PF,S,R,NND,R=F CLEAR SKIES - H.H. LITE. 1ST REAL TEST	Galaxy SA(rs)0+	VB,PL,MBM,4S*NR
NGC 525 Dec 12 2012 36"	Psc 17mmT4	H252-2 PF,PS,OVAL,MEXT,UB,NND,R=F	Galaxy S0	VF,VS,*11.12P5S
NGC 528 Sep 12 2010 12"	And 5.5mmN	H170-3 PF,CS,OVAL,MEXT,FNUC,R=F,PA=90	Galaxy S0	F,PL,R,LBM
NGC 529 Dec 01 2004 31" Nov 03 2004 8" Oct 17 2004 8"	And 11mmT6 11mmT6 7.5mmW	H158-3 MB,EL,FNUC,MSB,R=G, SOLO EFFORT VF,OVAL,NND,AV,R=F MF,OVAL,NND,AV,R=F	Galaxy S0-:	PB,VS,SBM,P OF 2
NGC 531 Dec 01 2004 31"	And 11mmT6	H158-3 MB,EL,PATCH,NND,R=G, SOLO EFFORT	Galaxy SB0/a:	F,S,R
NGC 536 Dec 01 2004 31" Nov 03 2004 8" Oct 17 2004 8"	And 11mmT6 11mmT6 7.5mmW	H171-3 MB,OVAL,FNUC,MSB,R=G, SOLO EFFORT VF,EL,NND,AV,R=F VF,EL,NND,AV,R=F	Galaxy SB(r)b	PB,PL,GBM,F OF 2
NGC 551 Sep 12 2010 12"	And 5.5mmN	H560-3 VF,PS,EON,NND,AF,R=P,PA=175	Galaxy SBbc	VF,S,E,VGLBM,*13NR

Observations Listing by Catalog Number

NGC 559	Cas	H48-7	Open Cluster 9.0 I 1 m	CL,B,PL,PRI
Oct 21 2012 8"	11mmT6	B,S,V-SHAPE W/V-TOWARDSNE,SOME NEBULOSITY NOTED,R=G		
Oct 06 2004 8"	7.5mmW	HISB,R=F		
NGC 561	And		Galaxy (R)SB(s)a	EF,PL,R
Oct 07 2010 12"	5.5mmN	CF,PS,R,UB,NND,R=F		
NGC 581	Cas	M103	Open Cluster 9.0 II 2 m	CL,PL,B,R,RI,*10..11
Dec 05 2015 12"	17mmT4			
Oct 21 2012 8"	11mmT6	B,S,R=G		
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Aug 31 2010 12"	17mmAT	NIGHT ENDING EYE CANDY		
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Aug 20 2006 1.9"	12x50	PB,PL,R=G		
Mar 19 2006 8"	25mmPL	PB,FL,OVAL,R=G. BRIGHTER STARS		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Dec 26 2003 8"	25mmPL	Q/M COLD		
NGC 584	Cet	H100-1	Galaxy E4	VB,PL,R,MBM,P OF 2
Nov 21 2006 8"	11mmT6	B,PS,OVAL,FNUC,R=G		
NGC 590	And		Galaxy SBa	F,VS,(RR)
Nov 08 2010 12"	5.5mmN	CF,PS,OVAL,PEXT,UB,NND,R=F,PA=30		
NGC 591	And		Galaxy (R')SB0/a	EF,PS,R,LBM,B*SF
Nov 08 2010 12"	5.5mmN	PF,CS,R,UB,NND,R=F		
NGC 596	Cet	H4-2	Galaxy E+ pec:	PB,R,BM,R,*6F12'
Nov 21 2006 8"	11mmT6	F,PS,OVAL,FNUC,R=G		
NGC 598	Tri	M33 H17-5	Galaxy SA(s)cd	EB,EL,R,VGBMN 6
Aug 21 2015 12"	35mm A			
Oct 26 2014 12"	22mmAT	EYE CANDY		
Oct 21 2012 8"	25mmPL	LARGE AND FAINT AS ALWAYS		
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	32mmUW	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 1.9"	12x50	MESSIER MARATHON - 2009		
Oct 29 2008 16"	20mmUW	LARGE, DIFFUSE PATCH		
Mar 17 2007 8"	25mmPL	M.M. BETWEEN CLOUDS		
Mar 19 2006 8"	19mmW	DIFF,L,F,OVAL,NND,R=F		
Oct 31 2004 1.9"	12x50	VB,ML,EON,LSB,R=G		
Oct 27 2004 31"	31mmT5	VB,ML,OVAL,HISB,R=E, LUNAR ECLIPSE		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Dec 26 2003 8"	25mmPL	Q/M COLD		
NGC 600	Cet	H432-3	Galaxy (R')SB(rs)d	EEF
Nov 21 2006 8"	11mmT6	F,S,R,NND,R=F		

Observations Listing by Catalog Number

NGC 604 Nov 10 2007 31"	Tri 17mmT4	H150-3 VB,PS,COMPACT RECTANGULAR,R=G	Knot in Galaxy	B,VS,R,VVLBM
NGC 605 Oct 07 2010 12"	And 5.5mmN	CF,PS,OVAL,MEXT,UB,NND,R=F,PA=10	Galaxy S0	VF,VS,R,BM
NGC 608 Nov 24 2006 31"	Tri 20mmUW	B,S,OVAL,NND,R=G	Galaxy S?	VF,PSBM,STELLAR
NGC 609 Sep 05 2007 8"	Cas 11mmT6	F,S,SCATTERED STARS,R=F	Open Cluster 14.0 II 3 r	CL,S,PRI,*14...
NGC 613 Oct 09 2007 8"	ScI 11mmT6	H281-1 PB,PL,OVAL,FNUC,R=G	Galaxy SB(rs)bc	VB,VL,VME118,SBM,*NF
NGC 614 Nov 24 2006 31"	Tri 20mmUW	H174-3 PB,O,R,FNUC,R=G	Galaxy S0?	PF,PSBM,STELLAR
NGC 615 Nov 21 2006 8"	Cet 11mmT6	H282-2 VF,VS,OVAL,NND,R=F	Galaxy SA(rs)b	PB,PL,ILE,GBM,*8NP10
NGC 620 Oct 07 2010 12"	And 5.5mmN	CF,PS,R,UB,NND,R=F,AV-1	Galaxy Pec	EF,VS,R,LBM
NGC 621 Nov 24 2006 31"	Tri 20mmUW	PB,L,R,NND,R=F	Galaxy SB0	VF,ES,R,BMN
NGC 628 Mar 01 2011 12" Mar 08 2010 12" Oct 29 2006 1.9" Oct 06 2004 8" Mar 19 2004 8"	Psc 17mmAT 11mmT6 12x50 11mmT6 25mmPL	M74 M.M. 2011 - MANUAL SETTING CIRCLES M.M. 2010 MANUAL SETTING CIRCLES B,CS,OVAL,FNUC,R=G F,PL,R,NND,R=G 2004 MESSIER MARATHON - ARGO NAVIS	Galaxy SA(s)c	GCL,F,VL,R,VG,PSMBM
NGC 634 Nov 24 2006 31"	Tri 20mmUW	CB,CL,OVAL,FNUC,USB,R=G	Galaxy Sa	EF,ES,SEVF*INV
NGC 636 Nov 10 2007 31"	Cet 17mmT4	H283-2 PB,PS,OVAL,BNUC,R=G	Galaxy E3	PB,VS,R,MBM,R
NGC 637 Oct 21 2012 8" Oct 06 2004 8"	Cas 11mmT6 7.5mmW	H49-7 B,S,Y-SHAPED STARS=10-12,SOME NEBULOSITY NOTED,R=G R=F, NOT MANY STARS	Open Cluster 8.0 I 2 m	CL,PS,B\$VF ST

Observations Listing by Catalog Number

NGC	650	Per	M76	H193-1	Planetary Neb 3+6	VB,P OF DNEB
	Mar 16 2012 18"	17mmAT	2012 M.M.			
	Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES			
	Mar 08 2010 12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES			
	Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009			
	Oct 01 2006 1.9"	12x50	PF,PS,R,R=F			
	Jul 24 2006 8"	11mmT6	PF,L,R,R=G			
	Mar 19 2006 8"	19mmW	PF,L,VLE,R=G			
	Dec 01 2004 31"	11mmT6	VB,HISB,R=E, SOLO EFFORT			
	Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS			
	Dec 26 2003 8"	25mmPL	Q/M COLD			
NGC	654	Cas	H46-7	Open Cluster 10.0 II 2 r	CL,IF,RI,1*6.7,	
	Oct 21 2012 8"	11mmT6	F,S,LOOSE,STARS=15-20,R=F			
	Sep 15 2004 8"	11mmT6	FEWER STARS			
NGC	657	Cas		Open Cluster 7.1	CL,PRI,ST12	
	Oct 24 2012 8"	11mmT6	VS,VF,R=P			
NGC	659	Cas	H65-8	Open Cluster 10.0 I 2 m	CL,LRI,ST B	
	Oct 21 2012 8"	11mmT6	PF,PS,STARS=10-12,R=F			
	Sep 15 2004 8"	11mmT6	SMALLEST OF THREE IN GROUP			
NGC	660	Psc	H253-2	Galaxy SB(s)a pec	PB,PL,E,BM,R	
	Oct 09 2007 8"	11mmT6	PF,PL,EL,OVAL,NND,R=F			
NGC	661	Tri	H610-2	Galaxy E+:	F,S,R,BM,R	
	Nov 24 2006 31"	20mmUW	VB,CL,OVAL,BNUC,R=G			
NGC	663	Cas	H31-6	Open Cluster 9.0 II 3 r	CL,B,L,ERI,ST PL	
	Dec 05 2015 12"	17mmT4				
	Aug 21 2015 12"	8mm Ds				
	Oct 21 2012 8"	11mmT6	B,L,LOOSE,STGARS=40-60,R=G			
	Nov 26 2006 1.9"	12x50	F,CS,PATCHY,R=F			
	Nov 09 2006 8"	19mmW	LOOSE, CLUSTERED SOUTHERN HALF,R=F			
	Sep 15 2004 8"	11mmT6	NICE - LOTS OF STARS			
NGC	665	Psc	H588-2	Galaxy (R)S0^?	F,S,LE,BM,R	
	Nov 10 2007 31"	17mmT4	PB,PL,OVAL,BNUC,R=G			
	Nov 10 2007 31"	17mmT4	PB,PL,OVAL,BNUC,R=G			
NGC	666	Tri		Galaxy S?	VF*IN EF,ES NEBY	
	Nov 24 2006 31"	20mmUW	PB,CL,OVAL,FNUC,R=G			
NGC	668	And		Galaxy Sb	PF,PS,R,GBM	
	Oct 07 2010 12"	5.5mmN	CF,PS,OVAL,MEXT,UB,NND,R=F,PA=70			
NGC	669	Tri		Galaxy Sab	PF,PL,ME,GBM	
	Nov 24 2006 31"	20mmUW	PB,L,EON,B,FNUC,R=G			

Observations Listing by Catalog Number

NGC 670 Nov 24 2006 31"	Tri 20mmUW	H611-2 PB,CL,EON,FNUC,R=G	Galaxy SA0	F,S,LE
NGC 672 Oct 29 2008 16" Nov 10 2007 31" Nov 24 2006 31" Nov 09 2004 8"	Tri 17mmT4 17mmT4 20mmUW 11mmT6	H157-1 PF,PS,EON,FNUC,R=F PB,CL,EON,UB,NND,R=G B,PL,EON,UB,NND,R=F VF,EL,NND,AV,R=F	Galaxy SB(s)cd	F,PL ,ME80
NGC 676 Oct 09 2007 8"	Psc 11mmT6	H42-4 PF,PS,EON,NND,AV,R=F	Galaxy S0/a: sp	VF,E161,SBM*9
NGC 679 Oct 07 2010 12"	And 5.5mmN	H175-3 PF,PS,R,FNUC,R=F	Galaxy S0-:	F,STELLAR
NGC 680 Nov 21 2006 8"	Ari 11mmT6	H229-2 PF,S,OVAL,NND,R=F	Galaxy E+ pec:	PB,S,IR,MBM,F OF 2
NGC 684 Nov 24 2006 31"	Tri 20mmUW	H612-2 CB,CL,EON,UB,FNUC,R=G	Galaxy Sb sp	F,VLE,*13F100"
NGC 687 Oct 07 2010 12"	And 7mm TV	H561-3 CF,PS,R,UB,NND,R=F	Galaxy S0	VF,STELLAR
NGC 688 Nov 24 2006 31"	Tri 20mmUW	H612-2 PF,PL,OVAL,UB,NND,R=F	Galaxy (R')SAB(rs)b	VF,VS,(RESOLVABLE)
NGC 691 Sep 04 2005 8"	Ari 7.5mmW	H617-2 VF,VS,OVAL,NND,AV,R=F	Galaxy SA(rs)bc	F,CL,VGLBM
NGC 697 Sep 04 2005 8"	Ari 11mmT6	H179-3 VF,VS,EL,NND,AV,R=F	Galaxy SAB(r)c:	F,CL,E,MBM
NGC 703 Oct 07 2010 12"	And 7mm TV	H562-3 CF,PS,OVAL,NND,R=F,PA=90	Galaxy S0-:	VF,VS,R,1ST OF 4
NGC 704 Oct 07 2010 12"	And 7mm TV	H563-3 CF,CS,R,UB,NND,R=F	Galaxy S0	VF,VS,R,2ND OF 4
NGC 706 Nov 10 2007 31"	Psc 17mmT4	H596-2 PF,PL,OVAL,UB,NND,R=F	Galaxy Sbc?	F,S,BM,*13N1'
NGC 708 Oct 07 2010 12"	And 7mm TV	H565-3 PF,PS,R,NND,R=F	Galaxy E	F,PL,BM,4TH OF 4
NGC 710 Oct 07 2010 12"	And 5.5mmN	H612-2 VF,PS,OVAL,UB,NND,R=F,AV-3,PA=115	Galaxy Scd:	VF,PS,2*S

Observations Listing by Catalog Number

NGC 712 Oct 07 2010 12"	And 5.5mmN	Galaxy S0 CF,PS,OVAL,UB,NND,R=F,PA=95	VF,R,AM PB ST
NGC 714 Oct 07 2010 12"	And 5.5mmN	Galaxy S0/a PF,CS,EON,UB,NND,R=F,PA=170	F,VS,R,2*13P\$NP
NGC 717 Oct 07 2010 12"	And 5.5mmN	Galaxy S0/a PF,CS,EON,UB,NND,R=F,AV-4,PA=170	VF,PS,*15SF1'
NGC 718 Oct 09 2007 8"	Psc 11mmT6	H270-2 PF,PS,R,UB,NND,R=F	Galaxy SAB(s)a PB,S,IR,PSMBM
NGC 720 Nov 21 2006 8"	Cet 11mmT6	H105-1 B,PS,OVAL,NND,R=F	Galaxy E5 CB,PL,LE,PSMBM
NGC 721 Oct 07 2010 12"	And 5.5mmN	Galaxy SB(rs)bc VF,PS,OVAL,UB,NND,R=F,AV-5,PA=10	EF,PL
NGC 722 Aug 21 2004 8"	Ari 11mmT6	Galaxy S? CLEAR SKIES - H.H. LITE. 1ST REAL TEST	VF,VS,R,BETA ARI N
NGC 732 Oct 07 2010 12"	And 5.5mmN	Galaxy S0 VF,PS,OVAL,UB,NND,R=F,AV-1,PA=70	VF*IN VF,VS,R,NEBY
NGC 733 Nov 24 2006 31"	Tri 20mmUW	Galaxy VF,VS,OVAL,NND,AV,R=F	VF,2'P736
NGC 735 Nov 24 2006 31"	Tri 20mmUW	H176-3 PF,PS,OVAL,NND,R=F	Galaxy Sb EEF,STELLAR
NGC 736 Nov 24 2006 31" Nov 09 2004 8"	Tri 20mmUW 11mmT6	H221-2 CB,CL,OVAL,FNUC,R=G VF,OVAL,NND,AV,R=F	Galaxy E+: PB,R,BM
NGC 738 Nov 24 2006 31"	Tri 20mmUW	Galaxy S0 CF,CS,OVAL,NND,R=F	NEB,75"NF 736
NGC 739 Nov 24 2006 31"	Tri 20mmUW	Galaxy S0? B,CS,VAL,UB,NND,R=F	CF,VS,R,INTRI OF*
NGC 740 Nov 24 2006 31"	Tri 20mmUW	H221-2 B,PL,EON,UB,NND,R=F	Galaxy SBb? F,L,CE
NGC 741 Oct 09 2007 8"	Psc 11mmT6	H271-2 PF,PS,R,UB,NND,R=F	Galaxy E0: PF,S,R,POF2,POS102
NGC 743 Oct 24 2012 8"	Cas 11mmT6	Open Cluster 10.0 IV 1 p PF,L,LOOSER GROUP,R=F	CL,NOTRI,D*

Observations Listing by Catalog Number

NGC 744 Oct 09 2007 8"	Per 11mmT6		Open Cluster 10.0 III 1 p	CL,PL,PRI,IF,*11..13
		PF,PL,TIGHTER GROUP, R=F		
NGC 746 Oct 07 2010 12"	And 5.5mmN		Galaxy Im	VF,PS,LE,SEV*NR
		VF,PS,OVAL,MEXT,UB,NND,R=F,AV-2,PA=115		
NGC 750 Nov 09 2004 8"	Tri 11mmT6	H222-2	Galaxy E pec	CB,PL,R,DW/751,25"
		VF,EL,OVAL,NND,AV,R=F		
NGC 751 Nov 09 2004 8"	Tri 11mmT6		Galaxy E pec	PF,ES,R,BM,DW/750
		VF,OVAL,NND,AV,R=F		
NGC 752 Nov 26 2006 1.9" Oct 29 2006 8" Oct 06 2004 8"	And 12x50 19mmW 7.5mmW	H32-7	Open Cluster 8.0 II 2 r	CL,VVL,RI,*L\$SC
		B,L,LOOSE,RESOLVE 4-5 STARS,R=F		
		50+STARS,R,R=G		
		EB,R,UB,R=G		
NGC 753 Oct 10 2004 8"	And 11mmT6		Galaxy SAB(rs)bc	PB,PL,R,GMBM
		VF, OVAL,NND,AV,R=F		
NGC 759 Nov 08 2010 12" Oct 07 2010 12"	And 5.5mmN 5.5mmN		Galaxy E	CL,VS,R
		CF,CS,R,NND,AV1,R=F		
		PF,PS,R,FNUC,R=F		
NGC 761 Nov 24 2006 31"	Tri 20mmUW		Galaxy SBa:	PF,CL,4F* NR
		PB,PS,ELOVAL,UB,NND,R=F		
NGC 772 Dec 04 2004 8" Nov 03 2004 8"	Ari 11mmT6 11mmT6	H112-1	Galaxy SA(s)b	B,CL,R,GBM,R
		MB,EL,OVAL,NND,MSB,R=G		
		MF,EL,OVAL,NND,R=F		
NGC 777 Oct 29 2008 16" Nov 09 2004 8"	Tri 17mmT4 11mmT6	H223-2	Galaxy E1	PB,PL,R,GLBM
		PF,CS,R,FNUC,R=F		
		VF,OVAL,NND,MSB,R=G		
NGC 779 Nov 21 2006 8"	Cet 11mmT6	H101-1	Galaxy SAB(r)b	CB,L,ME162,MBM
		F,L,EON,NND,R=F		
NGC 783 Dec 18 2006 31" Nov 09 2004 8"	Tri 20mmUW 11mmT6		Galaxy Sc	EF,S,IR,VF ST ATT
		B,PLMOVAL,NND,R=F		
		VF,OVAL,NND,AV,R=F		
NGC 784 Nov 09 2004 8"	Tri 11mmT6		Galaxy SBdm: sp	VF,L,E,(DOUBLE)
		VF,ELEON,NND,AV,R=F		
NGC 785 Nov 09 2004 8"	Tri 11mmT6		Galaxy S0-:	EF,ES,VF*ATT
		VF,OVAL,NND,AV,R=F		

Observations Listing by Catalog Number

NGC 789	Tri		Galaxy S?	VF,S,LE
Nov 02 2005 31"	19mmW	MB,PL,R,FNUC,MSB,R=G		
NGC 797	And	H566-3	Galaxy SAB(s)a	VF,S,IR,SBM,*NR
Oct 17 2004 8"	7.5mmW	VF,OVAL,NND,AV,R=F		
NGC 798	Tri		Galaxy E	EF,VS
Nov 02 2005 31"	19mmW	MB,ML,EON,FNUC,MSB,R=G		
NGC 805	Tri		Galaxy SB0	EF,ES,R,2*14P
Nov 02 2005 31"	19mmW	MB,FS,OVAL,FNUC,R=F		
NGC 807	Tri	H151-3	Galaxy E	VF,VS,IR,BET2*N\$SP
Nov 02 2005 31"	19mmW	PB,FS,R,FNUC,MSB,R=G		
NGC 812	And		Galaxy S pec	EF,PL,E45,BM
Oct 17 2004 8"	7.5mmW	MF,EL,NND,AV,R=F		
NGC 818	And	H604-2	Galaxy SABc:	PB,CL,LE,MBM
Nov 21 2006 8"	11mmT6	VF,S,OVAL,NND,AV,R=F		
NGC 821	Ari	H152-1	Galaxy E6?	PB,VS,VLE,SVMBM,*NP
Sep 04 2005 8"	11mmT6	MF,MS,OVAL,FNUC,R=G		
NGC 828	And	H605-2	Galaxy Sa: pec	PB,S,IR,D*F15S
Nov 21 2006 8"	11mmT6	VF,S,OVAL,NND,AV,R=F		
NGC 834	And	H567-3	Galaxy S?	VF,S,LE
Nov 08 2010 12"	5.5mmN	PF,PS,OVAL,UB,NND,R=F,PA=90		
NGC 841	And		Galaxy (R')SAB(s)ab	PB,VS,MBMN=*13,14
Nov 21 2006 8"	11mmT6	VF,L,OVAL,NND,AV,R=F		
NGC 845	And	H604-3	Galaxy Sb	VF,IF,STELLAR
Oct 10 2012 18"	8.8 ES	F,S,EON,UB,ND,R=F		
NGC 847	And		Galaxy SB(rs)ab	VF,PL,R
Nov 08 2010 12"	5.5mmN	CF,CS,R,UB,NND,R=F		
NGC 855	Tri	H613-2	Galaxy E	F,S,LE90,BM
Nov 09 2004 8"	11mmT6	VF,EL,EON,NND,AV,R=F		
NGC 860	Tri		Galaxy E	*13IN F NEB
Dec 19 2006 31"	17mmT4	PB,PS,OVAL,FNUC,R=F		
NGC 861	Tri		Galaxy Sb	VF,S,D*ATT SP
Dec 19 2006 31"	17mmT4	PB,CS,EON,FNUC,MHISB,R=G		

Observations Listing by Catalog Number

NGC 865	Tri		Galaxy S?	EF,ES,IR
Dec 19 2006 31"	17mmT4	PB,PL,PME,EON,UB,NND,R=G		
NGC 869	Per	H33-6	Open Cluster 6.6 I 3 r	CL,VVL,VRI,*7...14
Jan 25 2018 12"	35mm A	NICE OBJECT		
Sep 24 2016 12"	17mmT4	GREAT OBJECT.		
Dec 05 2015 12"	17mmT4			
Aug 21 2015 12"	35mm A			
Oct 21 2012 8"	25mmPL	NICE BUT NOT AS NICE AS WRO		
Oct 12 2012 18"	35mm A	DOUBLE CLUSTER W/35MM A.T. 68 DEGREE AND PARACORR		
Aug 31 2010 12"	17mmAT	NIGHT ENDING EYE CANDY		
Oct 29 2006 8"	19mmW	B,L,LOOSE,R,R=G		
Oct 13 2006 1.9"	12x50	PB,PL,R=G		
Oct 01 2006 1.9"	12x50	B,L,R=G, TIGHT GROUP		
Sep 01 2005 8"	7.5mmW	VB,R,R=G. BEAUTY - DOUBLE CLUSTER		
Oct 31 2004 1.9"	12x50	VERY NICE IN BINOCULARS		
Dec 31 2003 8"	25mmPL	H/M COLD		
NGC 877	Ari	H246-2	Galaxy SAB(rs)bc	PF,PL,LE,PGBM,
Nov 21 2006 8"	11mmT6	PF,L,OVAL,NND,R=F		
NGC 884	Per	H34-6	Open Cluster 6.4 I 3 r	CL,VL,VRI,RUBY*M
Jan 25 2018 12"	35mm A	NICE OBJECT		
Sep 24 2016 12"	17mmT4	GREAT OBJECT.		
Dec 05 2015 12"	17mmT4			
Aug 21 2015 12"	35mm A			
Oct 21 2012 8"	25mmPL	NICE BUT NOT AS NICE AS WRO		
Oct 12 2012 18"	35mm A	DOUBLE CLUSTER W/35MM A.T. 68 DEGREE AND PARACORR		
Aug 31 2010 12"	17mmAT	NIGHT ENDING EYE CANDY		
Oct 29 2006 8"	19mmW	B,L,COMPRESSED,R,R=G		
Oct 13 2006 1.9"	12x50	PB,PL,R=G		
Oct 01 2006 1.9"	12x50	PB,PL,R=G, LITTLE LOOSER		
Sep 01 2005 8"	7.5mmW	VB,R,R=G. BEAUTY - DOUBLE CLUSTER		
Oct 31 2004 1.9"	12x50	VERY NICE IN BINOCULARS		
Dec 31 2003 8"	25mmPL	H/M COLD		
NGC 886	Cas		Open Cluster 11.0 IV 2 p	CL,L,LC,SC,ST9...13
Oct 24 2012 8"	11mmT6	F,L,R=F, LAST NGC/IC IN CASSIOPEIA		
NGC 890	Tri	H225-2	Galaxy SAB(r)0-?	B,S,R,BM,3F*SP
Oct 29 2008 16"	17mmT4	PF,PS,OVAL,UB,NND,R=F		
Nov 10 2007 31"	17mmT4	PB,PS,OVAL,BNUC,HSB,R=G		
Nov 09 2004 8"	11mmT6	MF,EL,OVAL,NND,MSB,R=G		
NGC 891	And	H19-5	Galaxy SA(s)b? sp	B,VL,VME22
Oct 12 2012 18"	17mmT4	DARK DUST LANE BISECTING GALAXY. JOHN'S 20" OBSESSION		
Oct 07 2010 12"	11mmT6	PF,S,EON,UB,NND,R=F,PA=85		
Oct 27 2004 31"	31mmT5	VB,ML,EON,HISB,R=E, LUNAR ECLIPSE		
Oct 06 2004 8"	11mmT6	MB,EL,EON,NND,R=G		

Observations Listing by Catalog Number

NGC 896 Oct 18 2009 12"	Cas 20mmUW	H695-3 PF,PS, HINT OF NEBULOSITY	Nebula E	EF,PL,IF
NGC 898 Nov 08 2010 12"	And 5.5mmN	H570-3 PF,PS,EON,FNUC,R=F,PA=45	Galaxy Sab sp	EF,VS,LE
NGC 906 Nov 08 2010 12" Oct 07 2010 12"	And 5.5mmN 7mm TV	H695-3 CF,PS,R,UB,NND,R=F VF,VS,R,UB,NND,R=F,AV-4	Galaxy SBab	EF,IE,
NGC 908 Nov 21 2006 8"	Cet 11mmT6	H153-1 PF,L,OVAL,NND,R=F	Galaxy SA(s)c	CB,VL,E
NGC 909 Oct 10 2012 18"	And 8.8 ES	H695-3 F,S,R,FNUC,R=G	Galaxy E	VF,VS,VS*INV
NGC 910 Oct 30 2005 31"	And 17mmT4	H571-3 VB,ML,R,FNUC,MSB,R=G	Galaxy E+	VF,PS,STELLAR
NGC 911 Oct 30 2005 31"	And 17mmT4	H695-3 MB,ML,EL,FNUC,MSB,R=G	Galaxy E	EF,VS,R,BM
NGC 912 Oct 10 2012 18"	And 8.8 ES	H695-3 PR,PS,R,UB,NND,R=F	Galaxy E	F,VS,R,BM
NGC 914 Nov 08 2010 12"	And 5.5mmN	H695-3 VF,PS,OVAL,NND,R=F	Galaxy SA(s)c	EF,PL,DIF
NGC 920 Oct 10 2012 18"	And 8.8 ES	H695-3 DIFF,PF,S,OVAL,MEXT,UB,NND,R=F	Galaxy (R')SB(s)ab	EF,ES,R,1OR2EF* NR
NGC 923 Oct 10 2012 18"	And 8.8 ES	H695-3 PF,PS,R,UB,NND,R=F	Galaxy Sb:	VF,S,R,GSBM
NGC 925 Oct 29 2008 16" Nov 10 2007 31" Aug 21 2004 8"	Tri 17mmT4 17mmT4 11mmT6	H177-3 PF,PS,OVAL,NND,LSB,R=F DIFF,B,PL,OVAL,NND,R=F CLEAR SKIES - H.H. LITE. 1ST REAL TEST	Galaxy SAB(s)d	CF,CL,E,VGBM,2*13NP
NGC 931 Dec 19 2006 31"	Tri 17mmT4	H695-3 PB,L,EON,FNUC,HISB,R=G	Galaxy SAbc	F,PL,IR
NGC 933 Oct 10 2012 18"	And 8.8 ES	H695-3 PF,PS,OVAL,UB,FNUC,R=G	Galaxy S?	EF,ES,R,B*NF
NGC 936 Nov 21 2006 8"	Cet 11mmT6	H23-4 B,LOVAL,NND,R=F	Galaxy SB(rs)0+	VB,VL,R,MBMN,P OF 2

Observations Listing by Catalog Number

NGC 937 Oct 10 2012 18"	And 8.8 ES	PF,PS,OVAL,MEXT,FNUC,R=G	Galaxy SBcd?	VF*SLIGHTLYNEBULOUS
NGC 941 Nov 21 2006 8"	Cet 11mmT6	H261-3 VF,S,OVAL,NND,V,R=F	Galaxy SAB(rs)c	VF,CL,R,F OF 2
NGC 946 Oct 10 2012 18"	And 8.8 ES	F,PS,OVAL,FNUC,R=F	Galaxy S0:	F,S,R,GLBM
NGC 949 Nov 09 2004 8"	Tri 11mmT6	H154-1 VF,OVAL,NND,MSB,R=G	Galaxy SA(rs)b:?	CB,L,E,VGBM
NGC 956 Oct 29 2006 8" Oct 10 2004 8"	And 19mmW 11mmT6	F,S,COARSE,R,R=F SMALL OPEN CLUSTER, FEW STARS	Open Cluster 9.0 IV 2 m	CL,PRI,*9...15
NGC 957 Oct 09 2007 8"	Per 11mmT6	PF,PS,TIGHTER GROUP, R=F	Open Cluster 11.0 III 2 m	CL,PL,PRI,*13...15
NGC 959 Nov 09 2004 8"	Tri 11mmT6	MF,EL,OVAL,FNUC,MSB,R=G	Galaxy Sdm:	EF,PL,LE,LBM
NGC 968 Dec 19 2006 31"	Tri 17mmT4	PB,PL,OVAL,BNUC,HISB,R=G	Galaxy E	PF,PS,R,BM
NGC 969 Dec 19 2006 31"	Tri 17mmT4	PB,PL,E,OVAL,BNUC,HISB,R=G	Galaxy S0	S,R,PSBM,1ST OF 5
NGC 970 Dec 19 2006 31"	Tri 17mmT4	PF,PS,OVAL,NND,R=F	Galaxy S	VF,VS,R,2ND OF 5
NGC 971 Dec 19 2006 31"	Tri 17mmT4	VF,VS,OVAL,NND,AV,R=F	Galaxy	VF,VS,R,3RD OF 5
NGC 972 Nov 21 2006 8"	Ari 11mmT6	H211-2 VF,L,OVAL,NND,R=F	Galaxy Sab	PB,CL,LE,GMBM,3*S
NGC 973 Dec 12 2012 36" Dec 19 2006 31"	Tri 17mmT4 17mmT4	PF,PS,EON,UB,NND,R=G,PA=45 PB,CL,EON,BNUC,R=G	Galaxy Sb	EEF,S,ME,PB*NR SP
NGC 974 Dec 19 2006 31"	Tri 17mmT4	PB,PL,OVAL,FNUC,HISB,R=G	Galaxy SAB(rs)b:	VF,R,BM,4TH OF 5
NGC 976 Nov 21 2006 8"	Ari 11mmT6	VF,S,OVAL,NND,AV,R=F	Galaxy SA(rs)c:	VF,VS,4F * NR
NGC 978 Dec 19 2006 31"	Tri 17mmT4	VB,CL,OVAL,BNUC,HISB,R=G	Galaxy S0-	PB,R,5TH OF 5

Observations Listing by Catalog Number

NGC 978A	Tri		Non-Existent	
Oct 30 2005 31"	17mmT4	MB,ML,EON,OVAL,NND,R=G		
NGC 978B	Tri		Galaxy S0	
Dec 19 2006 31"	17mmT4	PB,PL,OVAL,FNUC,R=F		
Oct 30 2005 31"	17mmT4	B,LITTLESMLLER,OVAL,NND,R=F		
NGC 980	And	H572-3	Galaxy S0	VF,PS,SP OF 2
Nov 08 2010 12"	5.5mmN	CF,PS,OVAL,MEXT,UB,NND,R=F,PA=180		
Oct 07 2010 12"	7mm TV	VF,CS,OVAL,PEXT,UB,NND,R=F,AV-2,PA=170		
NGC 982	And	H573-3	Galaxy Sa	F,S,NF OF 2
Nov 08 2010 12"	5.5mmN	PF,PS,OVAL,PEXT,UB,NND,R=F,PA=15		
Oct 07 2010 12"	7mm TV	CF,CS,OVAL,PEXT,UB,NND,R=F,PA=10		
NGC 987	Tri	H161-3	Galaxy SB0/a	F,S,VLE,BM,R,2*14 NP
Dec 19 2006 31"	17mmT4	PB,CL,OVAL,BNUC,HISB,R=F		
NGC 991	Cet	H434-3	Galaxy SAB(rs)c	VF,CL,IF,VLBM
Dec 16 2009 12"	7.5mmW	VF,PS,R,UB,NND,AV,R=F		
NGC 995	And		Galaxy S0	VF,VS
Oct 10 2012 18"	8.8 ES	F,S,OVAL,UB,NND,R=F		
NGC 996	And		Galaxy E	VF,VS
Oct 10 2012 18"	8.8 ES	F,S,R,FNUC,R=F		
NGC 997	Cet		Galaxy E	F,S
Dec 12 2012 36"	17mmT4	PF,PS,OVAL,MEXT,FNUC,HSB,R=G		
NGC 998	Cet		Galaxy S	VF
Dec 12 2012 36"	17mmT4	PF,PS,OVAL,UB,NND,R=F		
NGC 999	And		Galaxy (R')SAB(s)a	EF
Oct 10 2012 18"	8.8 ES	PF,S,OVAL,UB,ND,AV1,R=F		
NGC 1000	And		Galaxy C	VVF,PS,DIF
Oct 10 2012 18"	8.8 ES	PF,PS,R,UB,NND,R=F,15.3 MAG, DIRECT VISION		
NGC 1003	Per	H238-2	Galaxy SA(s)cd	PF,L,E90,MBM,R
Nov 09 2004 8"	7.5mmW	VF,EL,EON,NND,AV,R=G		
NGC 1012	Ari	H152-3	Galaxy S0/a?	F,PS,IR,BM,ST INV
Sep 04 2005 8"	11mmT6	MF,MS,OVARL,NND,R=F		
NGC 1022	Cet	H102-1	Galaxy (R')SB(s)a	CB,PL,R,MBM,*11NF 2'
Nov 21 2006 8"	11mmT6	PF,L,OVAL,NND,R=F		

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NGC 1023	Per	H156-1	Galaxy SB(rs)0-	VB,VL,VME,VVMBM
Sep 09 2010 12"	17mmAT	B,S,EON,BNUC,R=G,PA=165		
Oct 10 2004 8"	11mmT6	MB,EL,RNUC,R=G		
NGC 1024	Ari	H592-2	Galaxy (R')SA(r)ab	PF,S,LE,BM,*11NF 1'
Sep 04 2005 8"	11mmT6	MF,ML,OVAL,NND,AV,R=F		
NGC 1027	Cas	H66-8	Open Cluster 9.0 II 3 m n	CL,L,SC ST,ONE10M
Nov 03 2004 8"	11mmT6			
Oct 06 2004 8"	7.5mmW	R=F, SCATTERED STARS		
NGC 1032	Cet	H5-2	Galaxy S0/a sp	PB,S,VLE,BM,3*TRAP
Nov 13 2007 8"	11mmT6	VF,VS,R,NND,AV,R=F		
NGC 1035	Cet	H284-2	Galaxy SA(s)c?	PF,L,ME,R,*17ATT SF
Nov 13 2007 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 1036	Ari	H475-3	Galaxy Pec?	F,S,R,LBM
Oct 30 2005 31"	17mmT4	MB,ML,OVAL,NND,R=G		
NGC 1039	Per	M34	Open Cluster 9.0 II 3 r	CL,B,VL,LC,SC ST9
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Oct 29 2006 1.9"	12x50	B,L,R,R=G		
Mar 19 2006 8"	25mmPL	PB,PL,R=G. SCATTERED STARS		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Dec 26 2003 8"	25mmPL	Q/M COLD		
NGC 1045	Cet	H488-2	Galaxy SA0- pec?	F,S,R,BM
Nov 08 2010 12"	11mmT6	CF,PS,EON,FNUC,R=F,PA=115		
NGC 1050	Per		Galaxy (R')SB(s)a	F,S,*18INV N
Oct 25 2009 12"	7.5mmW	VF,VS,OVAL,UB,NND,AV,R=F		
NGC 1052	Cet	H63-1	Galaxy E4	B,PL,R,MBM*12
Nov 21 2006 8"	11mmT6	B,L,R,FNUC,R=G		
NGC 1053	Per		Galaxy S0	VF,VS,LE,3OR4*LINENR
Oct 25 2009 12"	7.5mmW	VF,S,OVAL,UB,NND,R=F		
NGC 1055	Cet	H1-1	Galaxy SBb: sp	PF,CL,IE80,BM,*11N1'
Dec 16 2009 12"	11mmT6	PB,L,EON,UB,HSB,R=G		
Nov 21 2006 8"	11mmT6	PF,S,OVAL,NND,R=F		
NGC 1058	Per	H633-2	Galaxy SA(rs)c	PF,CL,R,GLBM
Nov 09 2004 8"	7.5mmW	VF,OVAL,NND,AV,R=F		

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NGC 1060	Tri	H162-3	Galaxy S0-:	F,PL,R,LBM,*F46S,3'S
Nov 10 2007 31"	17mmT4	PB,PL,OVAL,FNUC,R=F		
NGC 1068	Cet	M77	Galaxy (R)SA(rs)b	VB,PL,IR,SBMRRN
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
Nov 13 2007 8"	11mmT6	PB,L,OVAL,BNUC,HISB,R=G		
Oct 29 2006 1.9"	12x50	PF,PS,OVA,NND,R=F		
Mar 19 2006 8"	19mmW	B,FL,OVAL,FNUC,MSB,R=F		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC 1070	Cet	H273-2	Galaxy Sb	PF,S,IR,GBM
Nov 02 2005 31"	19mmW	PB,PL,OVAL,FNUC,MSB,R=G		
NGC 1073	Cet	H455-3	Galaxy SB(rs)c	VF,L,LBM,ER
Nov 13 2007 8"	11mmT6	VF,VS,R,NND,AV,R=F		
NGC 1077	Per		Non-Existent	VF,PL,E
Oct 31 2010 12"	5.5mmN	VF,CS,OVAL,NND,AV4,R=F		
NGC 1081	Eri		Galaxy SB(s)b?	EF,PS,R
Jan 26 2006 8"	11mmT6	VF,VS,EL,EON,NND,AV,R=F		
NGC 1084	Eri	H64-1	Galaxy SA(s)c	VB,PL,E,GPMBM
Jan 26 2006 8"	11mmT6	MB,ML,OVAL,NND,R=F		
NGC 1086	Per		Galaxy Scd:	VF,PS,D* NR
Oct 25 2009 12"	7.5mmW	VF,S,OVAL,NND,R=F		
NGC 1087	Cet	H466-2	Galaxy SAB(rs)c	PB,CL,LE,MBM
Oct 31 2010 12"	5.5mmN	PF,PS,OVAL,UB,NND,R=F,PA=80		
NGC 1090	Cet	H465-2	Galaxy SB(rs)bc	VF,PL,IR,BM
Oct 31 2010 12"	5.5mmN	DIFF,PF,PS,EON,UB,NND,AV,R=F,PA=170		
NGC 1097	For	H48-5	Galaxy SB(s)b	VB,L,VME151,VBMN
Nov 21 2006 8"	11mmT6	F,L,OVAL,FNUC,R=F		
NGC 1106	Per		Galaxy SA0+	VF,VS,VF*ATT S
Oct 25 2009 12"	7.5mmW	F,S,OVAL,UB,NND,R=F		
NGC 1110	Eri		Galaxy SB(s)m: sp	EF,PL,E348
Dec 12 2012 36"	17mmT4	PF,PS,EON,UB,NND,R=F		
NGC 1114	Eri	H449-3	Galaxy SA(r)c	PF,PL,PME,GLBM
Nov 08 2010 12"	5.5mmN	VF,CS,PEXT,UB,NND,R=F,PA=100		
NGC 1122	Per	H601-2	Galaxy SBb	VF,PS,R,*NR N
Oct 25 2009 12"	7.5mmW	F,S,OVAL,PATCHY,NND,R=F		

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NGC 1129 Nov 09 2004 8"	Per 7.5mmW	H602-2 VF,EL,NND,AV,RF=F	Galaxy E	CF,PS,IR,VGLBM, F*SP
NGC 1132 Nov 10 2012 18"	Eri 7mm TV	PF,PS,OVAL,VEXT,UB,NND,R=F	Galaxy E	EF,PL,GBM,*8F
NGC 1138 Oct 31 2010 12"	Per 5.5mmN	H580-3 PF,PS,R,UB,NND,R=F.	Galaxy SB0 STAR IN FRONT.	VF,VS,R,GBM,2S* TRI
NGC 1145 Dec 12 2012 36"	Eri 17mmT4	PF,PS,E3ON,UB,NND,R=F,PA=18	Galaxy Sc: sp	F,PL,PME,2S* F
NGC 1156 Sep 04 2005 8"	Ari 7.5mmW	H619-2 VF,ML,OVAL,NND,AV,R=F	Galaxy IB(s)m	PB,CL,PME0,BET2*
NGC 1160 Oct 25 2009 12"	Per 7.5mmW	H199-3 VF,VS,EL,OVAL,NND,AV,R=F	Galaxy Scd:	F,E
NGC 1161 Oct 25 2009 12" Nov 09 2004 8"	Per 7.5mmW 7.5mmW	H239-2 PF,PS,OVAL,FNUC,R=F MB,EL,EON,FNUC,MSB,R=G	Galaxy S0	F,PS,LE,SBM
NGC 1162 Nov 08 2010 12"	Eri 5.5mmN	H469-3 VF,CS,OVAL,UB,NND,AV2,R=F	Galaxy E:	F,R,GLBM,STELLAR
NGC 1163 Dec 12 2012 36"	Eri 17mmT4	PF,PS,EON, FNUC,R=F,PA=140	Galaxy SBbc? sp	VF,PS,ME75
NGC 1164 Oct 31 2010 12"	Per 5.5mmN	CF,PS,OVAL,UB,NND,R=F,AV3	Galaxy (R')SAB(s)ab	EF,VS
NGC 1167 Oct 25 2009 12"	Per 7.5mmW	H178-3 VF,PS,R,UB,NND,R=F	Galaxy SA0-	VF,PL,R,SPMBM
NGC 1169 Oct 25 2009 12" Nov 09 2004 8" Oct 10 2004 8"	Per 11mmT6 7.5mmW 11mmT6	H620-2 PF,PS,EL,OVAL,UB,NND,R=F VF,EL,EON,NND,AV,R=F VF,EL,NND,AV,R=F	Galaxy SAB(r)b	PF,PS,IF,SBM
NGC 1171 Oct 25 2009 12"	Per 7.5mmW	F,PS,EON,UB,NND,R=F	Galaxy Scd:	VF,PL,IF
NGC 1172 Jan 26 2006 8"	Eri 11mmT6	H502-2 VF,VS,OVAL,NND,AV,R=F	Galaxy E+:	PF,PL,R,PSBM
NGC 1175 Oct 25 2009 12"	Per 7.5mmW	H607-2 F,PS,EON,FNUC,R=F	Galaxy SA(r)0+	F,CL,E

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NGC 1184 Nov 13 2007 8"	Cep 11mmT6	H704-2 VF,VS,OVAL,NND,R=F	Galaxy S0/a	F,PL,ME
NGC 1186 Oct 25 2009 12"	Per 7.5mmW	H43-4 VF,PS,EON,NND,AV,R=F	Galaxy SB	F*W/NEB APPENDAGES
NGC 1187 Jan 26 2006 8"	Eri 11mmT6	H245-3 MF,MS,OVAL,NND,R=F	Galaxy SB(r)c	PF,CL,PME,GBM*16,R
NGC 1193 Oct 09 2007 8"	Per 11mmT6	H608-2 PF,PS,LOOSE GROUP, R=F	Open Cluster 14.0 I 2 m	F,CL,ER
NGC 1198 Oct 25 2009 12"	Per 7.5mmW	H608-2 F,PS,OVAL,UB,NND,R=F	Galaxy S0-:	NEB*11
NGC 1199 Jan 26 2006 8"	Eri 11mmT6	H503-2 VF,VS,R,NND,AV,R-F	Galaxy E3:	CB,PS,IR,SMBM
NGC 1207 Nov 10 2012 18" Nov 11 2009 12"	Per 7mm TV 7.5mmW	H578-3 PF,VS,OVAL,UB,NND,R=F PF,PS,OVAL,MEXT,UB,NND,R=F	Galaxy SA(rs)b	CF,VS,R,PSB INNPPEND
NGC 1209 Nov 08 2010 12"	Eri 7mm TV	H504-2 PF,PS,OVAL,PEXT,FNUC,MSB,R=F	Galaxy E6:	B,S,CE,PSBM
NGC 1213 Nov 10 2012 18"	Per 7mm TV	H504-2 VF,VS,OVAL,UB,NND,AV2,R=F	Galaxy SA(s)dm	EF,LE,*CLOSEN,DIFFIC
NGC 1220 Oct 09 2007 8"	Per 11mmT6	H504-2 PF,PS,LOOSE GROUP, R=F	Open Cluster 13.0 I 1 p	CL,VS,STVF
NGC 1224 Dec 13 2012 18"	Per 7mm TV	H504-2 PF,PS,R,FNUC,R=G	Galaxy S0-:	EF,VS,R
NGC 1226 Oct 31 2010 12"	Per 5.5mmN	H504-2 CF,PS,R,UB,NND,R=F,AV1	Galaxy E	F,VS,R,BM
NGC 1232 Jan 26 2006 8"	Eri 11mmT6	H258-2 DIFF,VF,ML,R,NND,R=F	Galaxy SAB(rs)c	PB,CL,R,GBM,R
NGC 1233 Nov 11 2009 12"	Per 7.5mmW	H258-2 VF,VS,OVAL,VEXT,UB,NND,R=F	Galaxy Sb	F,VS,R,DIFF
NGC 1235 Nov 11 2009 12"	Per 7.5mmW	H258-2 MEGASTAR 5 CALLS IT A TRIPLE STAR - NOTHING ELSE NOTED.	Non-Existent	VF,S,LE
NGC 1241 Jan 26 2006 8"	Eri 11mmT6	H286-2 DIFF,VF,MS,OVAL,NND,R=F	Galaxy SB(rs)b	F,PL,R,VGLBM,*9N

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NGC 1245	Per	H25-6	Open Cluster 12.0 II 2 r	CL,PL,RI,C,IR,*12.15
Nov 09 2004 8"	7.5mmW	MANY STARS - FAINT		
NGC 1250	Per		Galaxy S0^: sp	VF,VS,R
Dec 13 2012 18"	7mm TV	PF,PS,OVAL,PEXT,FNUC,R=F		
Oct 31 2010 12"	5.5mmN	CF,PS,EON,UB,NND,R=F		
NGC 1257	Per		Galaxy Sa	STELLAR NEB
Dec 13 2012 18"	7mm TV	PF,PS,OVAL,VEXT,UB,NND,R=F		
NGC 1259	Per		Galaxy S0	VF,S,R,VLBM
Dec 13 2012 18"	7mm TV	PF,PS,R,UB,NND,R=F		
NGC 1260	Per		Galaxy S0/a: sp	VF,S,R
Dec 13 2012 18"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F		
Oct 31 2010 12"	5.5mmN	PF,CS,OVAL,UB,NND,R=F,PA=160		
NGC 1264	Per		Galaxy SBa-b	VF,S,VLBM
Dec 13 2012 18"	7mm TV	PF,PS,OVAL,UB,NND,R=F		
NGC 1265	Per		Galaxy E+	VF,VS,MBM,
Oct 07 2010 12"	5.5mmN	CF,CS,R,UB,NND,R=F		
NGC 1267	Per		Galaxy E+:	F,VS,R,STELL
Nov 10 2012 18"	7mm TV	PF,PS,R,UB,NND,R=F		
NGC 1268	Per		Galaxy SAB(rs)b:	EF,S,LE,COM
Nov 10 2012 18"	7mm TV	PF,PS,OVAL,FNUC,R=F		
Oct 07 2010 12"	5.5mmN	CF,CS,R,UB,NND,R=F		
NGC 1270	Per		Galaxy E:	VF,S,R
Nov 10 2012 18"	7mm TV	PF,PS,OVAL,UB,NND,R=F		
Nov 11 2009 12"	7.5mmW	VF,VS,R,UB,NND,AV,R=F		
NGC 1272	Per		Galaxy E+	F,S,R
Nov 10 2012 18"	7mm TV	PF,PS,R,UB,NND,R=F		
Oct 07 2010 12"	7mm TV	CF,PS,R,UB,NND,R=F		
Nov 11 2009 12"	7.5mmW	VF,PS,R,UB,NND,R=F		
Nov 09 2004 8"	7.5mmW	VF,OVAL,NND,AV,R=F		
NGC 1273	Per		Galaxy SA(r)0^?	VF,VS
Nov 10 2012 18"	7mm TV	PF,VS,OVAL,UB,NND,R=F		
Nov 11 2009 12"	7.5mmW	VF,VS,OVAL,MEXT,UB,NND,AV,R=F		
NGC 1274	Per		Galaxy E3	VF,VS
Nov 10 2012 18"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F		

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NGC 1275	Per	H603-2	Galaxy Pec	F,S
Nov 10 2012 18"	7mm TV	PF,PS,R,FNUC,MSB,R=F		
Oct 07 2010 12"	7mm TV	PF,PS,R,FNUC,R=F		
Nov 11 2009 12"	7.5mmW	PF,PS,R,FNUC,R=F		
Nov 09 2004 8"	7.5mmW	VF,EL,NND,AV,R=F		
NGC 1277	Per		Galaxy S0+: pec	VF,VS,NP1278
Nov 10 2012 18"	7mm TV	PF,PS,OVAL,PEXT,UB,NND,R=F		
NGC 1278	Per		Galaxy E pec:	PB,PS,R,BM
Oct 07 2010 12"	5.5mmN	CF,CS,R,UB,NND,R=F		
NGC 1282	Per		Galaxy E:	VF,S,LBMN
Oct 10 2012 18"	8.8 ES	F,PS,OVAL,UB,NND,R=F		
NGC 1283	Per		Galaxy E1:	VF,S,VLBM
Oct 10 2012 18"	8.8 ES	F,VS,OVAL,UB,NND,R=F		
NGC 1300	Eri		Galaxy SB(rs)bc	CB,VL,VME,PSVMBM
Jan 26 2006 8"	11mmT6	VF,MS,R,NND,AV,R=F		
NGC 1325	Eri	H77-4	Galaxy SA(s)bc	F,ME239,COM,*9.5ATT
Nov 08 2010 12"	7mm TV	PF,PS,EON,BNUC,MSB,R=G,PA=160		
NGC 1332	Eri	H60-1	Galaxy S(s)0-: sp	VB,S,E114,SMBMN
Nov 08 2010 12"	11mmT6	PF,PS,EON,LFNUC,MSB,R=G,PA=170		
NGC 1342	Per	H88-8	Open Cluster 8.0 III 2 m	CL,VL,AB60*
Nov 21 2006 8"	11mmT6	B,L,LOOSE,30+STARS,R=G		
Oct 29 2006 8"	19mmW	B,COARSE CL, R,R=F		
NGC 1343	Cas	H694-3	Galaxy SAB(s)b: pec	F,VS,IR,GBM,D*V NR
Oct 31 2010 12"	5.5mmN	PF,CS,OVAL,MEXT,UB,NND,R=F. TWO STARS AT WEST EDGE.		
Sep 12 2010 12"	5.5mmN	CF,CS,OVAL,UB,NND,R=F,PA=110		
NGC 1348	Per	H84-8	Open Cluster 8.5 III 2 m	CL,LRI,ST L
Nov 11 2009 12"	7.5mmW	PF,VS,R=F JUST A FEW STARS		
NGC 1349	Tau		Galaxy S0	EEF,S,R,BET2*
Dec 13 2012 18"	7mm TV	PF,PS,R,UB,NND,R=F		
NGC 1353	Eri	H246-3	Galaxy SB(rs)b:	PB,CL,IE,MBM
Nov 08 2010 12"	11mmT6	PF,PS,OVAL,MEXT,UB,HSB,R=G		
NGC 1360	For		Planetary Neb 3	*8IN B,LNEB,E NS
Dec 28 2008 31"	17mmT4	PF,PS,EL,R,R=G, CENTRAL STAR, OIII		
NGC 1400	Eri	H593-2	Galaxy SA0-	CB,PS,R,PSMBM
Nov 08 2010 12"	11mmT6	PF,CS,R,BNUC,R=G		

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NGC 1402	Eri		Galaxy SB0[^] pec:	EF,VS,R
Nov 08 2010 12"	5.5mmN	VF,VS,R,UB,NND,AV1,R=F		
NGC 1407	Eri	H107-1	Galaxy E0	VB,L,R,SVMBMN
Nov 08 2010 12"	11mmT6	PF,PS,R,BNUC,R=G		
Nov 21 2006 8"	11mmT6	PF,L,R,NND,R=G		
NGC 1417	Eri	H455-2	Galaxy SAB(rs)b	PF,PL,LE,LBM,*SF
Jan 26 2006 8"	11mmT6	VF,MS,OVAL,NND,R=F		
NGC 1421	Eri	H291-2	Galaxy SAB(rs)bc:	F,CL,ME0,R
Nov 08 2010 12"	11mmT6	PF,PS,OVAL,UB,NND,R=G,PA=40		
NGC 1432	Tau		Nebula R	EF,VL,DIF, MAIA
Oct 29 2006 1.9"	12x50	B,L,R=G		
Mar 19 2006 8"	25mmPL	B,VL,IRREGULAR SHAPE,R=G		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Feb 28 2004 8"	25mmPL	COMPTER = ARGO NAVIS		
Dec 26 2003 8"	25mmPL	Q/M COLD		
NGC 1444	Per	H80-8	Open Cluster 6.8 IV 1 p	CL OF AB30*12...14
Nov 21 2006 8"	11mmT6	F,PS,COMPRESSED,R=F		
NGC 1465	Per		Galaxy S0/a	PF,PS,R,PB*NR P
Oct 10 2012 18"	8.8 ES	PF,PS,EON,UB,NND,R=F		
Dec 18 2006 31"	20mmUW	B,L,EON,NND,R=G		
NGC 1469	Cam		Galaxy SA0-:	VF,VS,R,B*NR
Oct 12 2012 18"	7mm TV	PF,PS,OVAL,VEXT,FNUC,R=F,PA=45		
NGC 1485	Cam		Galaxy SAb? sp	EF,PS,R
Oct 12 2012 18"	7mm TV	PF,PS,OVAL,EEXT,UB,NND,R=F,PA=160		
NGC 1491	Per	H258-1	Nebula E	VB,S,IF,BM,R,*INV
Oct 31 2010 12"	11mmT6	PF,S,R=G,UHC FILTER,IRREGULAR IN SHAPE		
NGC 1501	Cam	H53-4	Planetary Neb 3	PLN,PB,PS,VLE,1'DIAM
Oct 06 2004 8"	11mmT6	MB,OVAL,HISB,R=G		
NGC 1502	Cam	H47-7	Open Cluster 7.0 I 3 m	CL,PRI,CC,IF
Nov 26 2006 1.9"	12x50	COMPACT, BRIGHT, R=G		
Oct 06 2004 8"	11mmT6	OVAL,HISB,R=E		
NGC 1507	Eri	H279-2	Galaxy SB(s)m pec?	VF,PL,ME,VLBM,ER
Nov 08 2010 12"	11mmT6	PF,PS,EON,UB,NND,R=F		
NGC 1508	Tau		Galaxy Sc	VF,VS,R,BM,R
Dec 18 2006 31"	20mmUW	PF,PS,OVAL,NND,R=F		

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NGC 1513 Nov 21 2006 8"	Per 11mmT6	H60-7 F,L,COMPRESSED,R=F	Open Cluster 11.0 II 1 m	CL,L,VRI,PC,ST VL
NGC 1514 Dec 04 2004 8"	Tau 11mmT6	H69-4 VB,HISB,R=G	Planetary Neb 3+2	*9IN NEB3'DIAM
NGC 1517 Dec 18 2006 31"	Tau 20mmUW	CF,CS,OVAL,NND,R=F	Galaxy Scd:	VF,VS,R,R,*9,10SF
NGC 1528 Nov 27 2006 1.9" Nov 21 2006 8"	Per 12x50 11mmT6	H61-7 F,PS,COARSE GROUP,R=F PB,PL,LOOSE GROUP,R=G	Open Cluster 10.0 II 2 m	CL,B,VRI,CC
NGC 1530 Oct 12 2012 18"	Cam 7mm TV	PF,S,OVAL,FNUC,R=F	Galaxy SB(rs)b	PB,L
NGC 1534 Dec 18 2006 31"	Ret 20mmUW	F,S,R=P,HINT OF NEBULOSITY.	Galaxy SA(rs)0/a: sp	F,S,R,VS*3/4D SF
NGC 1535 Feb 17 2012 18" Nov 11 2009 12" Dec 28 2008 31" Nov 21 2006 8"	Eri 11mmT6 7.5mmW 17mmT4 11mmT6	H26-4 OIII FILTER - VERY NICE PLANETARY B,PS,R=G, NO CENTRAL STAR NOTED. VB,PS,R,R=G,BRIGHT CENTRAL STAR!!, OIII B,PS,R, NO CENTRAL STAR,R=F	Planetary Neb 4+2c	PLN,VB,S,R,PS,VSBM,R
NGC 1539 Dec 18 2006 31"	Tau 20mmUW	PF,S,R,NND,R=F	Galaxy C	VF,VS,GBM
NGC 1544 Jul 31 2011 12"	Cep 5mm TV	VF,VS,R,UB,NND,R=F	Galaxy S?	VF,VS
NGC 1545 Nov 21 2006 8"	Per 11mmT6	H85-8 B,L,VERY LOOSE,R=F	Open Cluster 9.0 IV 2 p	CL,PRI,LC,ST L
NGC 1554 Nov 23 2006 8"	Tau 19mmW	F,PS,DIM PATCH,R=F	Nebula R	VAR,S,R,NN=*13
NGC 1560 Oct 12 2012 18"	Cam 7mm TV	DIFF,VF,S,EON,UB,NND,AV,R=F,PA=120	Galaxy SA(s)d sp	VF,L,E,*9.3SP
NGC 1569 Oct 12 2012 18"	Cam 7mm TV	H768-2 PF,PS,OVAL,PEXT,FNUC,R=G,DISTURBED NE CORNER,PA=45	Galaxy IBm	PB,S,LE,BNM,*9.5N1'
NGC 1573 Oct 12 2012 18"	Cam 7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F	Galaxy E	VF,S,*9.5F
NGC 1579 Oct 12 2012 18" Oct 31 2010 12"	Per 7mm TV 11mmT6	H217-1 PF,S,NICE NEBULA,OIII NO HELP.R=G, FOUND LOOING FOR PAL2 PF,PS,R=F. FILTER NO HELP	Nebula R	PB,VL,IR,MBM,*8 2'NF

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NGC 1582 Nov 04 2007 1.9"	Per 12x50	H70-8 PB,PL,LOOSE,R=F	Open Cluster 9.0 IV 2 p	CL,VL,PRI,LC,ST L
NGC 1587 Dec 04 2004 8"	Tau 11mmT6	H8-2 VF,OVAL,NND,AV,R=F	Galaxy E pec	F,PS,R,R,P OF D NEB
NGC 1588 Mar 20 2007 8"	Tau 11mmT6	H9-2 VF,VS,OVAL,NND,AV,R=F	Galaxy E pec?	F,VS,R,R,F OF DNEB
NGC 1589 Dec 04 2004 8"	Tau 11mmT6	H7-2 VF,EL,EON,AV,R=F	Galaxy Sab sp	F,PL,LE132,*80"NP
NGC 1600 Nov 08 2010 12"	Eri 11mmT6	H158-1 PF,LPS,R,FNUC,MSB,R=F	Galaxy E3	PB,PL,R,GMBM
NGC 1605 Oct 31 2010 12"	Per 11mmT6	H26-6 PF,PS,R=F	Open Cluster 12.5 III 1 m	CL,VF,PS,C,ST ES
NGC 1615 Dec 18 2006 31"	Tau 20mmUW	H8-2 F,S,OVAL,NND,R=F	Galaxy SA0-:	VF,VS,R,LBM,VS*INV
NGC 1618 Nov 08 2010 12"	Eri 11mmT6	H524-2 CF,PS,EON,UB,NND.R=F	Galaxy SB(r)b:	F,S,IF,LBM,2*SF
NGC 1622 Nov 08 2010 12"	Eri 11mmT6	H8-2 PF,PS,EON,UB,NND.R=F	Galaxy SAB(r)ab:	VF,S,*20P5S,1618P
NGC 1624 Oct 31 2010 12"	Per 11mmT6	H49-5 PF,PS,R=F, BETTER GROUP	Open Cluster II 1 p n	F,CL,IF,60R7*+NEB
NGC 1637 Nov 08 2010 12"	Eri 11mmT6	H122-1 PF,PS,OVAL,UB,NND,R=F	Galaxy SAB(rs)c	CB,L,R,VGBM
NGC 1647 Nov 04 2007 1.9" Nov 09 2006 8" Dec 04 2004 8"	Tau 12x50 19mmW 11mmT6	H8-8 PB,PL,R=G F,L,R=F R,R=F, SCATTERED STARS	Open Cluster 9.0 II 2 r	CL,VL,ST L,SC
NGC 1653 Dec 15 2004 8"	Eri 11mmT6	H526-2 MF,R,NND,AV,R=F	Galaxy E+:	F,CS,R,LBM
NGC 1661 Feb 03 2005 31"	Ori 11mmT6	H8-2 VF,MS,EL,OVAL,PATCH,NND,R=F	Galaxy SA(s)bc pec:	VF,VS,BM
NGC 1662 Nov 04 2007 1.9"	Ori 12x50	H1-7 B,S,STARS 12+,R=F	Open Cluster 9.0 II 3 m	CL OF L\$S SC ST
NGC 1663 Apr 09 2008 8"	Ori 11mmT6	H7-8 PF,PS,R=F	Open Cluster IV 2 p c	CL,LRI,ST L\$S

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NGC 1664	Aur	H59-8	Open Cluster 10.0 III 1 p	CL,LRI,LC,PL
Dec 28 2006 1.9"	12x50	F,S,PATCHY,AV,UNRESOLVED,R=F		
Jan 26 2006 8"	19mmW	R=F,NOT TOO BAD		
NGC 1667	Eri		Galaxy SBc	PF,PS,R,(R)
Dec 15 2004 8"	11mmT6	VF,OVAL,NND,AV,R=F		
NGC 1682	Ori	H527-2	Galaxy E/S0	VF,VS,1684F12S,*9S4'
Dec 04 2004 8"	11mmT6	VF,R,NND,AV,R=F		
NGC 1683	Ori		Galaxy Sa	VF,R
Feb 03 2005 31"	11mmT6	DIFF,MB,MS,EL,OVAL,NND,R=G		
NGC 1684	Ori	H528-2	Galaxy E+ pec:	PF,PS,R,BM,*9SF
Dec 15 2004 8"	11mmT6	VF,OVAL,NND,AV,R=F		
Dec 04 2004 8"	11mmT6	VF,OVAL,NND,AV,R=G		
Nov 06 2004 8"	11mmT6	VF,EL,OVAL,NND,AV,R=F		
NGC 1691	Ori		Galaxy (R)SB(s)0/a:	F,S,*11INV
Feb 03 2005 31"	11mmT6	VF,MS,OVAL,NND,R=F		
NGC 1700	Eri	H32-4	Galaxy E4	CB,S,MBM*
Dec 04 2004 8"	11mmT6	MB,EL,FNUC,MSB,R=G		
NGC 1708	Cam		Open Cluster 10.0 cluster?	CL,VL,PRI,LC,ST L\$\$
Apr 14 2016 12"	8mm Ds	F,R=F,12-14 LOOSE GROUPING		
NGC 1721	Eri		Galaxy (R')SAB(s)0^ p	VF,VS,R
Dec 04 2004 8"	11mmT6	VF,OVAL,NND,AV,R=F		
NGC 1723	Eri		Galaxy SB(r)a pec	F,BET2*9,10N\$\$,3RD*F
Dec 04 2004 8"	11mmT6	MB,OVAL,FNUC,MSB,R=G		
NGC 1725	Eri		Galaxy E/S0	EF,VS,R
Dec 04 2004 8"	11mmT6	VF,OVAL,NND,AV,R=F		
NGC 1726	Eri		Galaxy SA(s)0^:	F,R,*13,S
Dec 15 2004 8"	11mmT6	MF,OVAL,FNUC,R=G		
NGC 1728	Eri		Galaxy Sa pec sp	VF,VS,R
Dec 04 2004 8"	11mmT6	VF,EON,NND,AV,R=F		
NGC 1729	Ori	H503-3	Galaxy SA(s)c	VF,PL,2B*V NR
Nov 21 2006 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 1730	Lep		Galaxy SB(r)a	F,PS,LE,BET2F*
Nov 22 2006 8"	11mmT6	PF,S,OVAL,NND,R=F		

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NGC 1738 Nov 22 2006 8"	Lep 11mmT6	VF,VS,OVAL,NND,AV,R=F	Galaxy SB(s)bc pec:	VF,S,E45
NGC 1744 Nov 22 2006 8"	Lep 11mmT6	DIFF,F,PL,OVAL,NND,R=F	Galaxy SB(s)d	F,VL,VME,VGVLBM
NGC 1746 Nov 04 2007 1.9" Dec 15 2004 8"	Tau 12x50 11mmT6	PB,PL,R=F R,MSB,R=G	Open Cluster 8.0 III 2 p	CL,P
NGC 1750 Dec 15 2004 8"	Tau 11mmT6	H43-8 R,MSB,R=G	Open Cluster OCL	CL,ST L,VCSC
NGC 1762 Apr 09 2008 8"	Ori 11mmT6	H453-3 PF,PS,OVAL,NND,USB,R=F	Galaxy SA(rs)c:	VF,VS
NGC 1778 Dec 28 2006 1.9" Jan 26 2006 8"	Aur 12x50 19mmW	H61-8 PF,PS,PATCHY,AV,UNRESOLVED,R=F R=P FEW STARS	Open Cluster 10.1 III 2 p	CL,PC,LRI,IF,ST L
NGC 1779 Nov 24 2006 8"	Eri 11mmT6	H500-3 PF,PS,OVAL,NND,AV,R=F	Galaxy (R')SAB(r)0/a?	PB,S,R,GPMBM
NGC 1784 Nov 22 2006 8"	Lep 11mmT6	PF,L,OVAL,NND,AV,R=F	Galaxy SB(r)c	PB,PL,VLE,VGBM,AM ST
NGC 1788 Nov 21 2006 8"	Ori 11mmT6	H32-5 F,S,S,R=F, BRIGHTER THAN SOME.	Nebula R	B,CL,R,BM,***15,*1'F
NGC 1807 Nov 04 2007 1.9" Nov 09 2006 8" Dec 15 2004 8"	Tau 12x50 19mmW 11mmT6	B,S,PAIR W/NGC 1817,R=F F.S.COMPRESSED,R=F SMALL, FEWER STARTS R=F	Open Cluster 9.0 II 2 p	CL,PRI,ST L\$\$
NGC 1808 Nov 22 2006 8"	Col 11mmT6	F,L,OVAL,NND,R=F	Galaxy (R)SAB(s)a	B,L,E,PSBM
NGC 1817 Nov 04 2007 1.9" Nov 09 2006 8" Dec 15 2004 8"	Tau 12x50 19mmW 11mmT6	H4-7 B,S,PAIR W/NGC 1807,R=F F,PS,R=F SMALL, MANY STARS R=G	Open Cluster 9.0 IV 2 r	CL,L,RI,LC,ST11...14
NGC 1821 Feb 20 2006 31"	Lep 17mmT4	MB,MS,OVAL,FNUC,R=G	Galaxy IB(s)m	VF,VS,LE
NGC 1832 Nov 22 2006 8"	Lep 11mmT6	H292-2 VF,PL,OVAL,NND,AV,R=F	Galaxy SB(r)bc	PB,IR,MBM,C*N'F1'

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NGC 1843	Ori		Galaxy SAB(s)cd:	F,S,R,LBM
Nov 21 2006 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 1857	Aur	H33-7	Open Cluster 11.0 I 3 m	CL,PRI,PC,ST7...
Dec 28 2006 1.9"	12x50	F,S,PATCHY,UNRESOLVED,R=F		
Jan 26 2006 8"	19mmW	R=P, FEW STARS		
NGC 1883	Aur	H34-7	Open Cluster 14.0 II 1 m	CL,VF,PRI,PC,IF
Jan 26 2006 8"	19mmW	R=F, FAINT TIGHT GROUP		
NGC 1888	Lep	H289-2	Galaxy SB(s)c pec	PB,PL,R,R
Nov 22 2006 8"	11mmT6	PF,S,EL,OVAL,R=F		
NGC 1893	Aur		Open Cluster 9.3 II 3 r n	CL,L,RI,LC
Nov 26 2006 1.9"	12x50	F,S,R=F		
Jan 26 2006 8"	19mmW	R=F,DECENT *STARS		
NGC 1904	Lep	M79	Globular	GCL,PL,ERI,EC,RRR
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 1907	Aur	H39-7	Open Cluster 11.0 I 1 m n	CL,PRI,PC,R,ST9...12
Jan 25 2018 12"	11mmT6	NICE OBJECT		
Oct 02 2006 1.9"	12x50	CB,CS,R=F.		
Jan 26 2006 8"	19mmW	R=G, SMALL, TIGHT, BRIGHT		
NGC 1912	Aur	M38	Open Cluster 8.0 II 2 r	CL,B,VL,VRI,IF,STL\$\$
Jan 25 2018 12"	11mmT6	NICE OBJECT		
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Dec 16 2009 12"	20mmUW			
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Mar 17 2007 1.9"	12x50	M.M. BETWEEN CLOUDS		
Oct 29 2006 8"	19mmW	B,PL,R,R=G		
Oct 02 2006 1.9"	12x50	PB,S, R=G		
Mar 19 2006 8"	25mmPL	B,L,R=G		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Dec 26 2003 8"	25mmPL	Q/M COLD		
NGC 1924	Ori	H447-3	Galaxy SB(r)bc	VF,PL,IR,ST NR
Nov 21 2006 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 1931	Aur	H261-1	Open Cluster I 3 p n	VB,L,R,B***IN M
Nov 03 2004 8"	7.5mmW	NICE CLUSTER		

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NGC 1952	Tau	M1	Nebula E	VB,VL,E135,VGLBM,R
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Dec 16 2009 12"	20mmUW			
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Oct 29 2006 1.9"	12x50	F,PS,R,R=F		
Mar 26 2006 8"	19mmW	DIFF,F,L,R=F		
Mar 19 2006 8"	19mmW	B,L,R=G		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Dec 26 2003 8"	25mmPL	Q/M COLD		
NGC 1954	Lep	H590-3	Galaxy SA(rs)bc pec:	VF,S,R,SMBM
Nov 22 2006 8"	11mmT6	PF,S,OVAL,NND,AV,R=F		
NGC 1960	Aur	M36	Open Cluster 9.0 I 3 r	CL,B,VL,VRI,CL,*9.11
Jan 25 2018 12"	11mmT6	HEATERS WORKED. EVERYTHING WORKED		
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Dec 16 2009 12"	20mmUW			
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Mar 17 2007 1.9"	12x50	M.M. BETWEEN CLOUDS		
Oct 29 2006 8"	19mmW	PB,PL,R,R=G		
Oct 02 2006 1.9"	12x50	PB,S, R=G, SMALLEST OF THREE		
Mar 19 2006 8"	25mmPL	B,ML,R=G. BETTER		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Dec 26 2003 8"	25mmPL	Q/M COLD		
NGC 1961	Cam	H747-3	Galaxy SAB(rs)c	CF,PL,IF,MBM,ER,*INV
Nov 03 2004 8"	11mmT6	VF,EL,OVAL,NND,AV,R=F		
NGC 1964	Lep	H21-4	Galaxy SAB(s)b	F,VS,R,VSVMBM,3*INV
Dec 04 2004 8"	11mmT6	MB,EL,FNUC,MSB,R=G		
NGC 1975	Ori		Nebula E	B**INV IN NEB
Nov 21 2006 8"	11mmT6	B,L,R=G, STARS GLOW		
Feb 20 2006 31"	31mmT5	MB,ML,R=G, OIII		

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NGC 1976	Ori	M42	Nebula EN+RN	THETAORI \$GREAT NEB
Jan 25 2018 12"	11mmT6	NICE OBJECT		
Mar 16 2012 18"	17mmAT	2012 M.M.		
Feb 17 2012 18"	17mmAT	FIRST OBJECT WITH 18" F/4.5 ASTROSYSTEMS		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Dec 16 2009 12"	20mmUW			
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Dec 28 2008 31"	17mmT4	VB,VL,R=E, TRAP=6 STARS		
Mar 17 2007 1.9"	12x50	M.M. BETWEEN CLOUDS		
Sep 08 2006 1.9"	12x50	DFF,MB,PL PATCH OF NEB.,R=G		
Apr 17 2006 8"	19mmW	PB,PL,HISB,R=E		
Mar 19 2006 8"	19mmW	PB,PL,R=E		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Feb 28 2004 8"	25mmPL	COMPTER = ARGO NAVIS		
Dec 26 2003 8"	25mmPL	Q/M COLD		
NGC 1977	Ori	H30-5	Open Cluster	42ORIONIS\$NEB
Feb 20 2006 31"	31mmT5	B,R=F, STARS LIGHT UP B.N., OIII		
NGC 1979	Lep	H240-3	Galaxy SA0:	VF,VS,STELLAR
Nov 22 2006 8"	11mmT6	VF,PS,OVAL,NND,AV,R=F		
NGC 1980	Ori	H31-5	Nebula III 3 m n	VF,VVL,44ORIONIS INV
Mar 29 2006 8"	19mmW	PB,L,R=F		
NGC 1981	Ori		Open Cluster 10.0 III 3 p n	CL,VB,LRI,ST L,SC
Nov 04 2007 1.9"	12x50	PB,L,STARS 10+,R=F		
Apr 17 2006 8"	19mmW	PB,L,R=F, SCATTERED STARS		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 1982	Ori	M43 H1-3	Nebula E	VB,VL,RW/TAIL,MBM*8
Jan 25 2018 12"	11mmT6	NICE OBJECT		
Mar 16 2012 18"	17mmAT	2012 M.M.		
Feb 17 2012 18"	17mmT4	SECOND OBJECT		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Dec 16 2009 12"	20mmUW			
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Mar 17 2007 1.9"	12x50	M.M. BETWEEN CLOUDS		
Sep 08 2006 1.9"	12x50	DFF,B,LPATCH OF NEB.,R=G		
Mar 19 2006 8"	19mmW	PB,PL,R=E		
Mar 06 2005 8"	11mmT6	VB,VL,VHISB,R=E!!!, OIII FILTER		
Feb 03 2005 31"	11mmT6	480X+,TRAPEZIUM!!!!		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Dec 26 2003 8"	25mmPL	Q/M COLD		
NGC 1985	Aur	H865-3	Nebula R	CF,S,R,PSBM
Nov 21 2006 8"	11mmT6	F,S,R=P		

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NGC 1990 Mar 28 2011 12"	Ori 17mmAT	H34-5 PF,PS,R=F,OIII FILTER, SOME NEBULOSITY?	Nebula E+R	EL,E,EPSILONORI INVP
NGC 1999 Feb 20 2006 31"	Ori 31mmT5	H33-4 MB.ML,R=F, OIII	Nebula E	*10,11INV IN NEB
NGC 2022 Dec 28 2008 31" Nov 22 2006 8" Mar 09 2004 8"	Ori 17mmT4 11mmT6 25mmPL	H34-4 F,PS,OVAL,R=G, NO CENTRAL STAR PF,S,R=F COMPTER = ARGO NAVIS	Planetary Neb 4+2	PLN,PB,VS,VLE
NGC 2023 Jan 24 2009 31" Nov 21 2006 8"	Ori 17mmT4 11mmT6	H24-4 PF,PS, HINT OF NEBULOSITY,R=F PF,S,R=F	Nebula R+E	B*IN M OF L,LE NEB
NGC 2024 Nov 22 2006 8"	Ori 11mmT6	H28-5 B,L,R=G,STARSGLOW,IRREGULARSHAPE	Nebula E	IRR,B,VVL,BLACKSPINC
NGC 2045 Mar 20 2007 8"	Ori 11mmT6	SINGLE STAR,R=P	Non-Existent	*8,9W/ F NEB
NGC 2068 Mar 16 2012 18" Feb 17 2012 18" Mar 01 2011 12" Mar 08 2010 12" Dec 16 2009 12" Mar 20 2009 16" Mar 17 2007 1.9" Oct 29 2006 1.9" Mar 19 2006 8" Mar 19 2004 8" Dec 26 2003 8"	Ori 17mmAT 17mmT4 17mmAT 26mm 20mmUW 26mm 12x50 12x50 19mmW 25mmPL 25mmPL	M78 2012 M.M. OBSERVED WITH 18" ASTROSYSTEMS M.M. 2011 - MANUAL SETTING CIRCLES M.M. 2010 MANUAL SETTING CIRCLES MESSIER MARATHON - 2009 M.M. BETWEEN CLOUDS F,S,R=F B,L,R=F 2004 MESSIER MARATHON - ARGO NAVIS Q/M COLD	Nebula R	B,L,WISP,GMBN,3*INV
NGC 2071 Nov 21 2006 8"	Ori 11mmT6	H36-4 PF,PS,R=F	Nebula R	D*10\$14 W/VF,L CHEV
NGC 2073 Nov 22 2006 8"	Lep 11mmT6	H241-3 VF,VS,R,NND,AV,R=F	Galaxy SA(rs)0-:	EF,VS,R,GBM

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NGC 2099	Aur	M37	Open Cluster 11.0 I 2 r	CL,RI,PCM,ST L\$S
Jan 25 2018 12"	11mmT6	1ST LIGHT. 1ST OBJECT		
Jul 25 2017 12"	11mmT6	1ST LIGHT - 1ST OBJECT. ALL EYEPIECES CAME INTO FOCUS		
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Dec 16 2009 12"	20mmUW			
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Mar 17 2007 1.9"	12x50	M.M. BETWEEN CLOUDS		
Oct 29 2006 8"	19mmW	CB,CL,R,R=G		
Oct 02 2006 1.9"	12x50	PB,L,R=G, LARGEST OF THREE		
Mar 19 2006 8"	25mmPL	B,ML,R=E. TIGHTER GROUP. BEST OF 3		
Apr 05 2004 8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Feb 28 2004 8"	25mmPL	COMPTER = ARGO NAVIS		
Dec 26 2003 8"	25mmPL	Q/M COLD		
NGC 2106	Lep		Galaxy SB(s)0^	VF,S,VLE,GBM
Nov 22 2006 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 2112	Ori	H24-7	Open Cluster 10.0 II 2 m n	CL,PL,LRI,PC,ST S
Nov 21 2006 8"	11mmT6	F,S,LOOSER,R=F		
NGC 2124	Lep	H225-3	Galaxy SA(s)b?	EEF,PS,E,R
Nov 22 2006 8"	11mmT6	VF,CS,EON,NND,R=F		
NGC 2126	Aur	H68-8	Open Cluster 13.0 III 2 m	CL,NOT RI,*7M NORTH
Jan 26 2006 8"	19mmW	R=F, SMALL, LOOSE , GROUP		
NGC 2128	Cam		Galaxy S0-:	VF,VS,VLE
Oct 12 2012 18"	7mm TV	PF,PS,OVAL,FNUC,R=F		
NGC 2129	Gem	H26-8	Open Cluster 10.0 I 3 m	CL,PL,40OR50ST8...15
Dec 15 2004 8"	11mmT6	R, R=G		
NGC 2139	Lep	H264-2	Galaxy SAB(rs)cd	F,S
Nov 22 2006 8"	11mmT6	VF,PS,OVAL,NND,R=F		
NGC 2141	Ori		Open Cluster 15.0 I 2 r	F,PS,DIF,
Nov 21 2006 8"	11mmT6	F,S,LOOSER,R=F		
NGC 2146	Cam		Galaxy SB(s)ab pec	PB,2'L,LE
Oct 12 2012 18"	7mm TV	PF,S,OVAL,FNUC,R=G,SPIRAL, NORTH/SOUTH ARMS		
NGC 2146A	Cam		Galaxy SAB(s)c:	
Oct 12 2012 18"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F,PA=120		
NGC 2158	Gem	H17-6	Open Cluster 15.0 II 3 r	CL,PS,MC,VRI,IRRTRI
Dec 04 2004 8"	11mmT6	OVAL,R=F		

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NGC 2168	Gem M35	Open Cluster 8.0 III 3 r	CL,VL,CRI,PC,ST9..16
Mar 16 2012 18"	17mmAT 2012 M.M.		
Mar 01 2011 12"	17mmAT M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	26mm M.M. 2010 MANUAL SETTING CIRCLES		
Dec 16 2009 12"	20mmUW		
Mar 20 2009 16"	26mm MESSIER MARATHON - 2009		
Dec 28 2006 1.9"	12x50 B,L,RESOLVE OUTER STARS,R=G		
Oct 02 2006 1.9"	12x50 VB,VL,R=E. VERY NICE CLUSTER.		
Mar 19 2006 8"	19mmW PB,PL,R=G. LOTS OF STARS		
Apr 05 2004 8"	25mmPL FULLMOON - **MEGASTAR CONTROL**		
Mar 19 2004 8"	25mmPL 2004 MESSIER MARATHON - ARGO NAVIS		
Dec 26 2003 8"	25mmPL Q/M COLD		
NGC 2169	Ori H24-8	Open Cluster 6.9 III 3 m	CL,S,LRI,PMC,**
Nov 04 2007 1.9"	12x50 PF,S,R=F		
Apr 17 2006 8"	19mmW B,S,R=F		
Nov 06 2004 8"	11mmT6 NICE SHAPE		
NGC 2170	Mon H19-4	Nebula R	*9 INV,PL,NEB,E170
Mar 28 2011 12"	17mmAT SMALL, FAINT,IRREGULAR,R=F, OIII FILTER		
NGC 2179	Lep	Galaxy SA(s)0/a	F,PS,VME,GLBM
Nov 22 2006 8"	11mmT6 VF,VS,OVAL,NND,AV,R=F		
NGC 2182	Mon H38-4	Nebula R	PB**,L*NEB,E90
Mar 28 2011 12"	11mmT6 VF,VS,IRREGULAR,R=F, OIII		
NGC 2183	Mon	Nebula R	EF,S,LE,*11,12SP
Mar 13 2007 8"	11mmT6 PF,PS,R=F,HINT OF NEBULOSITY		
NGC 2185	Mon H20-4	Nebula R	*11\$4S*IN VF,L,NEB
Mar 13 2007 8"	11mmT6 PF,PS,R=F,HINT OF NEBULOSITY		
NGC 2186	Ori H25-7	Open Cluster 12.0 II 2 m	CL,PL,PRI,PC,ST L\$S
Mar 29 2006 8"	11mmT6 F,S,R=F		
NGC 2192	Aur H57-7	Open Cluster 14.0 II 2 m	CL,CL,C,IF,ST VS
Jan 26 2006 8"	19mmW R=F, SMALL, LOOSE , GROUP		
NGC 2194	Ori H5-6	Open Cluster 13.0 II 2 r	CL,L,RI,GVMCM
Mar 29 2006 8"	11mmT6 F,S,R=F		
NGC 2196	Lep H265-2	Galaxy (R')SA(s)a	PF,PS,VLE,PMBM,ST NR
Nov 22 2006 8"	11mmT6 VF,PS,OVAL,NND,AV,R=F		
NGC 2204	CMa H13-7	Open Cluster 13.0 II 2 r	CL,L,PRI,LC
Feb 10 2005 8"	11mmT6 DIFFUSED,ML,R,R=G		

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NGC 2206 Feb 10 2005 8"	CMa 11mmT6 VF,VS,NND,AV,R=F	Galaxy SAB(rs)bc:	F,PS,VLE,PSLBM
NGC 2207 Dec 19 2006 31" Feb 10 2005 8"	CMa 17mmT4 PB,CL,EON,BNUC,HISB,R=G 11mmT6 VF,EL,OVAL,NND,AV,R=F	Galaxy SAB(rs)bc pec	PB,PL,ME87,PSLBMRN
NGC 2215 Mar 29 2006 8"	Mon H20-7 19mmW F,S,R=F	Open Cluster 11.0 II 2 m	CL,CL,PRI,PC,ST11.15
NGC 2217 Feb 10 2005 8"	CMa 11mmT6 MF,MS,OVAL,FNUC,R=G	Galaxy (R)SB(rs)0+	VB,S,R,PSMBM,R
NGC 2223 Feb 10 2005 8"	CMa 11mmT6 MF,ML,OVAL,FNUC,R=G	Galaxy SAB(r)b	F,PL,R,VGLBM,2STINV
NGC 2227 Feb 10 2005 8"	CMa 11mmT6 MB,MS,OVAL,FNUC.R=G	Galaxy SB(rs)c	EF,R,** 90"P
NGC 2232 Mar 13 2007 8" Mar 08 2007 1.9" Mar 09 2004 8"	Mon H25-8 19mmW PB,PL,R=F,LOOSE GROUP 12x50 FB,S,LOOSE,R=F 25mmPL COMPUTER = ARGO NAVIS	Open Cluster 5.0 III 2 p	B* 10MON +CL
NGC 2236 Nov 25 2006 8"	Mon H5-7 11mmT6 CB,CL,LOOSE,R=F	Open Cluster 12.0 II 2 m	CL,PRI,PC,*10,12..15
NGC 2237 Feb 10 2005 8" Mar 13 2004 8"	Mon 11mmT6 VB,VL,R=G 25mmPL COMPUTER = ARGO NAVIS	Nebula E	PB,VVL,DIF,(2238)
NGC 2243 Feb 10 2005 8"	CMa 11mmT6 MF,MS,R,R=F, COMPACT	Open Cluster 11.8 I 2 r	PB,CL,R,VGLBM,4'
NGC 2244 Mar 08 2007 1.9" Feb 10 2005 8" Mar 13 2004 8"	Mon H2-7 12x50 PB,S,VFAINT NEBULOSITY,R=F 11mmT6 VB,VL,R=G 25mmPL COMPUTER = ARGO NAVIS	Open Cluster 7.0 II 3 r n	CL,BEAUTIFUL,STSC
NGC 2245 Mar 28 2011 12"	Mon H3-4 11mmT6 PF,VS,R=F,OIII	Nebula R	PL,COM,MBN SFALM*
NGC 2250 Nov 25 2006 8"	Mon 11mmT6 B,L,LOOSE,R=F	Open Cluster 8.7 IV 2 p	CL,PRI,LC,IF,*812.14
NGC 2251 Nov 04 2007 1.9" Mar 29 2006 8"	Mon H3-8 12x50 F,S,R=F 19mmW B,L,R=F	Open Cluster 9.1 III 2 m	CL,VL,E,RI,LC

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NGC 2252	Mon	H50-8	Open Cluster 9.0 III 2 m n	CL,VL,PRI,LC,STS
Apr 09 2008 8"	11mmT6	PB,L,R=G		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 2253	Cam	H54-7	Open Cluster	VF,ST ES
Mar 28 2011 12"	5mm TV	NON-EXISTENT PER NGC/IC PROJECT.		
NGC 2254	Mon	H22-7	Open Cluster 12.0 I 1 m	CL,S,PC,IF,*11...13
Nov 25 2006 8"	11mmT6	VF,PS,LOOSE,R=F		
NGC 2256	Cam		Galaxy SAB0-?	F,R,*9.5 3'SF
Oct 12 2012 18"	7mm TV	DIFF,PF,PS,R,UB,NND,R=F		
NGC 2258	Cam		Galaxy SA(r)0^	F,2*10,11F
Oct 12 2012 18"	7mm TV	PF,PS,OVAL,FNUC,R=F		
NGC 2259	Mon	H28-6	Open Cluster 14.0 II 1 p n	CL,CRI,EC,IF,ST ES
Nov 25 2006 8"	11mmT6	CB,S,LOSE,R=F		
NGC 2261	Mon	H2-4	Nebula E+R	B,VME330,N COM=*11
Mar 28 2011 12"	11mmT6	VF,VS,R=F,OIII		
NGC 2262	Mon	H37-7	Open Cluster II 1 m	CL,VC,IR,BM,ST ES
Nov 25 2006 8"	11mmT6	F,PS,R=F		
NGC 2263	CMa		Galaxy (R')SB(r)ab	PF,LE,BET2VS*,PSLBM
Feb 10 2005 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 2264	Mon	H5-8	Open Cluster 5.0 III 3 m n	15MON,CL,**,(NEB)
Mar 13 2007 8"	19mmW	PB,PL,R-G		
Mar 08 2007 1.9"	12x50	PB,S,R=F		
Apr 05 2004 8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**		
Mar 09 2004 8"	25mmPL	COMPTER = ARGO NAVIS		
NGC 2266	Gem	H21-6	Open Cluster 11.0 II 2 m	CL,PS,EC,RI,ST11..15
Mar 04 2006 8"	19mmW	MB,S,R=F		
NGC 2268	Cam		Galaxy SAB(r)bc	PF,PL,LE
Oct 12 2012 18"	7mm TV	PF,PS,OVAL,MEXT,FNUC,R=G, MOTTLED		
NGC 2269	Mon	H3-6	Open Cluster 10.0 II 1 p	CL,VMC,NOT RI,ST VS
Nov 25 2006 8"	11mmT6	F,PS,R=F		
NGC 2272	CMa		Galaxy SAB(s)0-	PF,PS,VLE,BM,R
Feb 10 2005 8"	11mmT6	VF,VS,EL,NND,AV,R=F		
NGC 2273	Lyn		Galaxy SB(r)a:	F,S,IR,(R)
Nov 10 2012 18"	7mm TV	PF,PS,OVAL,FNUC,R=F		

Observations Listing by Catalog Number

NGC 2273B	Lyn		Galaxy SB(rs)cd:	
Nov 10 2012 18"	7mm TV	DIFF,VF,PS,OVAL,UB,NND,AV2,R=F		
NGC 2274	Gem	H615-2	Galaxy E	F,S,BM
Apr 09 2008 8"	11mmT6	PF,VS,EON,NND,LSB,AV,R=F		
NGC 2276	Cep		Galaxy SAB(rs)c	F,60",LBM
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC 2280	CMa		Galaxy SA(s)cd	PF,PL,LE,GBM
Feb 10 2005 8"	11mmT6	DIFFUSE,MF,ML,EL,OVAL,NND,R=G		
NGC 2281	Aur	H71-8	Open Cluster 8.0 I 3 m	CL,PRI,VLC,ST PL
Nov 26 2006 1.9"	12x50	B,S,RESOLVE 4-5+,R=G		
Nov 09 2006 8"	19mmW	F,PS,R=F		
Apr 05 2004 8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**		
NGC 2282	Mon		Nebula R	*10IN F,R,NEBY
Nov 25 2006 8"	11mmT6	F,S,R=F,SOMENEBULA		
NGC 2283	CMa	H271-3	Galaxy SB(s)cd	3OR4S*+NEB
Feb 10 2005 8"	11mmT6	MB,ML,OVAL,PATCHY,FNUC,R=G		
NGC 2286	Mon	H31-8	Open Cluster 9.0 III 2 m	CL,L,C,AB100*9...15
Mar 29 2006 8"	19mmW	B,L,R=F		
NGC 2287	CMa	M41	Open Cluster 8.0 I 3 r	CL,VL,B,LC,ST 8...
Jan 02 2016 1.9"	12x50	SOFT PATCH OF STARS ABOUT 4 DEGREES WEST OF 3-STAR ASTERISM.		
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Mar 10 2007 1.9"	12x50	VB,VL,NND,R=G, RESOLVE 12+		
Mar 19 2006 8"	25mmPL	B,L,R=G		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
Dec 30 2003 8"	25mmPL	H/M COLD.		
NGC 2289	Gem	H898-3	Galaxy S0	EF,VS
Sep 24 2016 12"	17mmT4	B,L,R=E. CAROLINE'S ROSE.		
NGC 2293	CMa		Galaxy SAB(s)0+ pec	PB,R,GBM,DWI92,AM ST
Nov 22 2006 8"	11mmT6	VF,VS,OVAL,AV,R=G		
NGC 2296	CMa		Nebula E	VF,VS,R
Mar 20 2007 8"	11mmT6	VF,PS,OVAL,NND,AV,R=F		
NGC 2300	Cep		Galaxy SA0^	PB,PL,LE,BM
Aug 21 2004 8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST		

Observations Listing by Catalog Number

NGC 2301	Mon	H27-6	Open Cluster 8.0 I 3 r	CL,RI,L,IF,ST L\$S
Mar 08 2007 1.9"	12x50	PB,S,COMPRESSED,R=F		
Mar 29 2006 8"	19mmW	PB,L,R=G		
NGC 2302	Mon	H39-8	Open Cluster 12.0 III 2 m	CL,L,P,LC
Apr 09 2008 8"	11mmT6	B,S,SPARSE,R=F		
NGC 2304	Gem	H2-6	Open Cluster II 1 m	CL,PL,RI,MC,ST VS
Mar 04 2006 8"	19mmW	F,S,R=F		
NGC 2309	Mon	H18-6	Open Cluster 13.0 I 2 m	CL,PL,PRI,MC,ST13
Nov 25 2006 8"	11mmT6	F,PS,R=F,COMPRESSED		
NGC 2311	Mon	H60-8	Open Cluster 12.0 III 2 m	CL,LC,NOT RI
Mar 29 2006 8"	19mmW	N.S.R=F		
NGC 2314	Cam		Galaxy E3	VF,S,R
Feb 01 2005 31"	17mmT4	MB,ML,EL,FNUC,MSB,R=G		
NGC 2315	Lyn		Galaxy S0/a	EF
Nov 10 2012 18"	7mm TV	PF,VS,EON,UB,NND,R=F,PA=45		
NGC 2316	Mon	H304-2	Nebula E+R	PF,S,R,R,S ST INV
Mar 28 2011 12"	11mmT6	PF,VS,R=F,OIII		
NGC 2320	Lyn	H861-2	Galaxy E	PB,S,IR,GBM,*8SP
Nov 10 2012 18"	7mm TV	PF,PS,OVAL,FNUC,R=F		
NGC 2321	Lyn		Galaxy SBa	VF,12'N OF2320
Nov 10 2012 18"	7mm TV	VF,PS,OVAL,UB,NND,AV2,R=F		
NGC 2322	Lyn	H874-3	Galaxy SBa:	VF,VS,LE
Nov 10 2012 18"	7mm TV	PF,VS,OVAL,VEXT,HSB,R=G		
NGC 2323	Mon	M50	Open Cluster 9.0 II 3 r	CL,VL,RI,PC,E,
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Mar 08 2007 1.9"	12x50	B,PL,RICH PATCH, RESOLVE 7+ STARS		
Mar 19 2006 8"	25mmPL	B,ML,R=F		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Mar 09 2004 8"	25mmPL	COMPTER = ARGO NAVIS		
NGC 2324	Mon	H38-7	Open Cluster 12.0 II 2 r	CL,L,RI,CC,ST12...16
Nov 25 2006 8"	11mmT6	F,SMALL-COMPRESSED,R=G		
NGC 2325	CMA		Galaxy E4	PB,PL,LE,GBM
Feb 10 2005 8"	11mmT6	MF,MS,OVA,PATCHY,NND,R=F		

Observations Listing by Catalog Number

NGC 2326 Nov 10 2012 18"	Lyn 7mm TV	H734-2 PF,PS,OVAL,MEXT,UB,NND,R=F	Galaxy SB(rs)b	VF,PL,IR,PSMBM,ST P
NGC 2326A Nov 10 2012 18"	Lyn 7mm TV		Galaxy SA(s)m: VF,VS,OVAL,UB,NND,AV2,R=F	
NGC 2327 Mar 28 2011 12"	CMa 7mm TV	H25-4 SMALL,FAINT,R=F,OIII	Nebula	PB**INV INS,VF,NEB
NGC 2331 Apr 09 2008 8" Nov 25 2006 8"	Gem 11mmT6 11mmT6	H40-8 F,S,SCATTERED,R=F F,LOOSE GROUP,R=F	Open Cluster 9.0 IV 2 m	CL,L,VLC,S CL INV
NGC 2332 Nov 10 2012 18"	Lyn 7mm TV	H862-2 PF,PS,OVAL,MEXT,UB,NND,R=F	Galaxy S0:	F,S,R,PSBM
NGC 2335 Mar 29 2006 8"	Mon 19mmW	H32-8 F,PS,R=F	Open Cluster 10.0 III 2 m n	CL,L,LC
NGC 2336 Oct 12 2012 18"	Cam 7mm TV		Galaxy SAB(r)bc F,S,OVAL,MEXT,UB,NND,R=F	PB,PL,R,2*11NR
NGC 2337 Nov 16 2012 18"	Lyn 7mm TV		Galaxy IBm PF,PS,OVAL,UB,R=G	EF,S,E
NGC 2339 Dec 15 2004 8"	Gem 11mmT6	H769-2 VF,OVAL,NND,AV,R=F	Galaxy SAB(rs)bc	PB,PL,R,GLBM
NGC 2340 Nov 16 2012 18" Feb 01 2005 31"	Lyn 7mm TV 17mmT4	H736-2 PF,PS,OVAL,UB,NND,R=F MB,ML,EL,OVAL,FNUC,MSB,R=G	Galaxy E	PF,S,R,GLBM,R
NGC 2342 Nov 25 2006 8"	Gem 11mmT6		Galaxy S pec VF,S,R,NND,AV,R=F	PF,S,LE,VLBM
NGC 2343 Mar 29 2006 8"	Mon 19mmW	H33-8 F,PS,R=F	Open Cluster 8.0 II 2 p n	CL,CL,P,LC
NGC 2345 Feb 10 2005 8"	CMa 11mmT6		Open Cluster 9.0 II 3 r ML,R=G	CL,PL,PRI,GBM,*10.14
NGC 2346 Feb 17 2012 18" Apr 09 2008 8"	Mon 11mmT6 11mmT6	H65-4 OIII FILTER - VERY NICE PLANETARY PF,PS,NO CENTRAL STAR,R=F	Planetary Neb 3b+4	*10AFF W/ S,VF,NEB
NGC 2347 Feb 01 2005 31"	Cam 17mmT4	H746-3 VB,ML,OVAL,SNUC,HISB,R=G	Galaxy (R')SA(r)b:	VF,S,R,LBM

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NGC 2350 Mar 13 2007 8"	CMi 11mmT6	Galaxy S0/a PB,S,R=F,RESOLVE 12+ STARS	EF,ES,IR
NGC 2351 Feb 17 2012 18"	CMa 17mmT4	Non-Existent OIII FILTER - THOR'S HELMUT - GREAT OBJECT	CL,LC,**TAKEN
NGC 2353 Mar 29 2006 8"	Mon 19mmW	H34-8 SMALLER, BRIGHTER,L,R=G	Open Cluster 9.0 III 3 p CL,L,LC,ONEVB*
NGC 2354 Mar 13 2004 8"	CMa 25mmPL	H16-7 COMPUTER = ARGO NAVIS	Open Cluster 9.1 III 2 r CL,CRI,LC
NGC 2355 Mar 04 2006 8"	Gem 19mmW	H6-6 B,S,R=F	Open Cluster 13.0 II 2 m CL,PS,PRI,MC,*15..16
NGC 2359 Dec 12 2012 36" Apr 14 2010 16" Dec 28 2008 31" Mar 10 2007 8" Dec 20 2006 31" Dec 19 2006 31"	CMa 17mmT4 26mm 31mmT5 19mmW 31mmT5 31mmT5	H21-5 OUSTANDING OBJECT WOIII FILTER AND VERY GOOD TRANSPARENCY. PB,PL,OVAL,UB,NND.R=G PB,PL,R=E!!, BEAUTIFUL PB,L,NEBULOSITY,R=G,OIII FILTER VB,EL,NEBULOSITY!!,R=E!!!!,OIII FILTER PB,EL,PATCH,R=E,HINT-NEBULOSITY,NO FILTER	Nebula E VF,VVL,VIF
NGC 2360 Mar 13 2007 8" Dec 18 2006 1.9" Mar 13 2004 8"	CMa 19mmW 12x50 25mmPL	H12-7 F,S,R=F,RESOLVE 7+ STARS F,S,R=F,UNCOMPRESSED GROUP COMPUTER = ARGO NAVIS	Open Cluster 10.4 I 3 r CL,VL,RI,PC,ST9...12
NGC 2362 Feb 10 2005 8"	CMa 11mmT6	H17-7 VB,ML,R,R=G	Open Cluster 8.0 I 3 r CL,PL,RI,30CMA
NGC 2363 Feb 01 2005 31"	Cam 17mmT4	Galaxy Irr VF,VS,OVAL,NND,R=F	NEB* OR VFVS,2366SF
NGC 2366 Feb 01 2005 31"	Cam 17mmT4	H748-3 MF,ML,PATCHY,NUC,R=G	Galaxy Irr VF,PL,MBM,CVEDTAILS
NGC 2367 Feb 10 2005 8"	CMa 11mmT6	H27-8 MS,R,R=F, SMALL & TIGHT	Open Cluster 9.4 II 3 m CL,S,P,LC
NGC 2368 Nov 25 2006 8" Nov 25 2006 8"	Mon 11mmT6 11mmT6	Open Cluster IV 1 p F,S,LOOSER,R=F F,S,LOOSER,R=F	CL,S,PRI,ST15
NGC 2371 Feb 23 2006 31" Dec 04 2004 8"	Gem 19mmW 7.5mmW	H316-2 FAIRLY LONG, ELONG,MSB,R=G MF,OVAL,R=G	Planetary Neb 3a+2 B,S,R,BMN,P OF DNEB

Observations Listing by Catalog Number

NGC 2372 Nov 21 2006 8"	Gem 11mmT6	H317-2 B,S,OVAL,R=F	Non-Existent	PB,S,R,BMN,F OF DNEB
NGC 2374 Feb 10 2005 8"	CMa 11mmT6	H35-8 MB,ML,R=G	Open Cluster 10.7 IV 2 p	CL,VL,PRI,LC,ST L
NGC 2383 Mar 13 2004 8"	CMa 25mmPL	COMPUTER = ARGO NAVIS	Open Cluster 9.8 II 3 m	CL,PS,PMC,ST12
NGC 2384 Mar 13 2004 8"	CMa 25mmPL	COMPUTER = ARGO NAVIS	Open Cluster 8.6 IV 3 p	CL,LC,BIFID,**
NGC 2392 May 22 2015 12" Dec 04 2004 8" Nov 06 2004 8"	Gem 8mm Ds 7.5mmW 11mmT6	H45-4 NO FILTER NEEDED CENTRAL STAR VISIBLE VB,R,HISB,R=E!!! NOT A BAD PLANETARY	Planetary Neb 3b+3b	B,S,R,*9M,*8NF100"
NGC 2395 Mar 04 2006 8"	Gem 19mmW	H11-8 F,S,R=F	Open Cluster 10.0 IV 2 m	CL,PRI,C
NGC 2396 Mar 28 2011 12"	Pup 11mmT6	H36-8 PF,PS,LOOSE,R=F	Open Cluster 11.0 IV 1 m	CL,VL,VLC
NGC 2403 Nov 26 2006 1.9" Oct 06 2004 8"	Cam 12x50 11mmT6	H44-5 PF,PS,OVAL,AV,R=F MB,EL,OVAL,NND,R=G	Galaxy Sc	CB,EL,VME,VGMBMN
NGC 2414 Mar 28 2011 12"	Pup 11mmT6	H37-8 F,PS,R=F,TIGHT	Open Cluster 8.2 I 3 m	CL,P,LC,ST9,\$C
NGC 2415 Mar 16 2010 12"	Lyn 11mmT6	H821-2 CF,CS,OVAL,UB,NND,R=F	Galaxy Im?	PB,CS,R,VGVLBM,R,
NGC 2419 Dec 04 2004 8"	Lyn 7.5mmW	H218-1 OVAL,R=G	Globular	PB,PL,LE90,VGBM,*4'F
NGC 2420 Mar 04 2006 8"	Gem 19mmW	H1-6 ML,PB,R=G	Open Cluster 11.0 I 1 r	CL,CL,RI,C,ST11...18
NGC 2421 Mar 13 2007 8"	Pup 19mmW	H67-7 F,PL,R=F,DIM PATCH	Open Cluster 11.0 I 2 r	CL,L,CRI,*11...13

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NGC 2422	Pup	M47 H38-8	Open Cluster 5.0 I 3 m	CL,B,VL,PRI,ST L\$\$
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Mar 19 2006 8"	25mmPL	PB,R=G		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Dec 30 2003 8"	25mmPL	H/M COLD		
NGC 2423	Pup	H28-7	Open Cluster 9.0 II 2 m	CL,VL,RI,PC,ST VS
Mar 13 2007 8"	19mmW	F,PL,R=G,DIM PATCH		
NGC 2426	Lyn	H822-2	Galaxy E	CF,R,VGBM,R,*8P
Nov 10 2012 18"	7mm TV	PF,PS,OVAL,UB,NND,R=F		
NGC 2429A	Lyn		Non-Existent	
Nov 10 2012 18"	7mm TV	VF,VS,EON,UB,NND,R=F		
Feb 01 2005 31"	17mmT4	MB,EL,EON,FNUC,MSB,R=G		
NGC 2431	Lyn	H829-3	Galaxy (R')SB(s)a:	EF,VS,R,BM
Feb 01 2005 31"	17mmT4	MB,EL,OVAL,NND,R=G		
NGC 2432	Pup	H36-6	Open Cluster II 2 m	CL,PL,PC,E0,ST L\$\$
Mar 28 2011 12"	11mmT6	F,S,R=F,TIGHT IN A LINE		
NGC 2437	Pup	M46	Open Cluster 10.0 II 2 r	CL,VB,VRI,VL,INV PLN
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Mar 19 2006 8"	25mmPL	B,ML,R=F		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Dec 30 2003 8"	25mmPL	H/M COLD		
NGC 2438	Pup	H39-4	Planetary Neb 4+2	PLN,PB,PS,VLE,R
Feb 17 2012 18"	11mmT6	OIII FILTER - VERY NICE PLANETARY		
Mar 13 2007 8"	7.5mmW	VF,VS,R=F, NO CENTRAL STAR		
NGC 2440	Pup	H64-4	Planetary Neb 5+3	PLN,CB,NOT VWELL DEF
Feb 17 2012 18"	7mm TV	OIII FILTER - VERY NICE PLANETARY		
Mar 13 2007 8"	7.5mmW	F,PS,R=F,IRREGULAR IN SHAPE		
NGC 2441	Cam		Galaxy SAB(r)b:	VF,PS
Feb 01 2005 31"	17mmT4	MB,ML,OVAL,FNUC,MSB,R=G		
NGC 2446	Lyn		Galaxy Sb	F,AM4*
Feb 01 2005 31"	17mmT4	MB,OVAL,PATCH,NND,R=G		

Observations Listing by Catalog Number

NGC 2447	Pup	M93	Open Cluster 9.0 I 3 r	CL,L,PRI,LC,ST8...13
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Mar 19 2006 8"	25mmPL	B,FS,R=G. SMALL TIGHT GROUP		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Dec 30 2003 8"	25mmPL	H/M COLD		
NGC 2452	Pup		Planetary Neb 4+3	PLN,F,S,LE,AM60*
Nov 22 2006 8"	11mmT6	PF,PS,R=F		
NGC 2456	Lyn		Galaxy E	VF,R,VGBM
Feb 01 2005 31"	17mmT4	MB,S,R,PATCH,NND,R=G		
NGC 2457	Lyn		Galaxy Sbc	F,PL,R,2456SP
Feb 01 2005 31"	17mmT4	VF,VS,OVAL,PATCH,NND,AV,R=F		
NGC 2458	Lyn		Galaxy	VF,*12CLOSE
Feb 01 2005 31"	17mmT4	VF,S,OVAL,NND,AV,R=F		
NGC 2460	Cam		Galaxy SA(s)a	F,S,R,S*CENTRE
Oct 12 2012 18"	7mm TV	PF,PS,OVAL,UB,NND,R=F		
NGC 2462	Lyn		Galaxy	VF,VS,VLBM
Feb 01 2005 31"	17mmT4	VF,OVAL,NND,AV,R=F		
NGC 2463	Lyn		Galaxy	EF,R
Nov 10 2012 18"	7mm TV	VF,VS,R,UB,NND,AV3,R=P		
NGC 2467	Pup	H22-4	Open Cluster I 3 m n	PB,VL,R,ER,*8M
Mar 28 2011 12"	11mmT6	F,S,R=G, NICE GROUP W/ASSOCIATED NEBULOSITY		
NGC 2468	Lyn		Galaxy SA0:	F,R,BM
Nov 10 2012 18"	7mm TV	VF,VS,OVAL,UB,NND,R=F		
NGC 2469	Lyn	H836-3	Galaxy Sbc pec:	F,VS,R,*9SF
Nov 10 2012 18"	7mm TV	PF,VS,OVAL,UB,NND,R=F		
NGC 2472	Lyn		Galaxy Sb	2OF10NEB IN LINE
Nov 10 2012 18"	7mm TV	VF,VS,OVAL,UB,NND,R=F		
NGC 2474	Lyn	H830-3	Galaxy E0	F,PS,(E),(BMVS*)L*NF
Nov 10 2012 18"	7mm TV	VF,VS,R,UB,NND,R=F,PAIRED W/NGC-2475		
NGC 2475	Lyn		Galaxy E1	DNEB W/2474
Nov 10 2012 18"	7mm TV	VF,VS,R,UB,NND,R=F,PAIRED W/NGC-2474		

Observations Listing by Catalog Number

NGC 2479 Mar 13 2007 8"	Pup 19mmW	H58-7 F,S,R=F, LOOSE GROUP	Open Cluster III 1 m	CL,PL,PRI,PC,ST S
NGC 2482 Mar 13 2007 8"	Pup 19mmW	H10-7 B,PL,R=F, LOOSE GROUP	Open Cluster 10.0 IV 1 m	CL,L,CRI,VLC
NGC 2488 Nov 10 2012 18"	Lyn 7mm TV	H837-3 PF,PS,OVAL,UB,NND,R=F	Galaxy S0-:	VF,VS,R,GLBM
NGC 2489 Mar 13 2007 8"	Pup 19mmW	H23-7 F,S,R=F	Open Cluster 11.0 I 2 m	CL,PL,CRI,PC,*11..13
NGC 2493 Mar 28 2011 12"	Lyn 7mm TV	H750-3 VF,PS,R,UB,NND,AV,R=F	Galaxy SB0	CB,S,R,SBM
NGC 2497 Nov 10 2012 18"	Lyn 7mm TV	H838-3 PF,PS,R,UB,NND,R=F	Galaxy E?	EF,VS
NGC 2500 Mar 28 2011 12"	Lyn 5mm TV	H709-3 VF,PS,R,UB,NND,R=F	Galaxy SB(rs)d	F,L,R,VGBM,R,AM ST
NGC 2505 Nov 10 2012 18"	Lyn 7mm TV	H839-3 PF,PS,OVAL,VEXT,UB,NND,R=F,PA=90	Galaxy SBa	EF,VS
NGC 2506 Mar 29 2006 8"	Mon 19mmW	H37-6 PF,PS,R=F, NICE GROUP	Open Cluster 11.0 I 2 r	CL,PL,VRI,C,*11...20
NGC 2507 Mar 17 2010 12"	Cnc 11mmT6	H554-2 VF,VS,OVAL,UB,NND,AV,R=F	Galaxy S0/a pec	PB,PL,IR,VGBM,ER,*S
NGC 2509 Mar 13 2007 8"	Pup 19mmW	H1-8 F,PL,R=F,DIM PATCH	Open Cluster I 1 r	CL,B,PRI,LC,ST S
NGC 2513 Mar 17 2010 12"	Cnc 11mmT6	H512-3 CF,CS,OVAL,UB,NND,R=F	Galaxy E	F,S,R,PSMBM,R
NGC 2518 Nov 10 2012 18"	Lyn 7mm TV	H512-3 VF,PS,OVAL,UB,NND,AV1,R=F	Galaxy E-S0	2NEB,F,L,R,GBM
NGC 2521 Nov 10 2012 18"	Lyn 7mm TV	H512-3 PF,PS,OVAL,UB,NND,R=F	Galaxy SA0- pec?	PF,PL,R,PSBM,*9NP3'
NGC 2523 Oct 12 2012 18"	Cam 7mm TV	H512-3 DIFF,PF,S,OVAL,UB,NND,R=F	Galaxy SB(r)bc	PB,PL,LE,LBM,*NR
NGC 2523A Oct 12 2012 18"	Cam 7mm TV	H512-3 VS,VS,OVAL,UB,NND,AV3,R=P	Galaxy SB(s)c:	

Observations Listing by Catalog Number

NGC 2523B	Cam		Galaxy SA(s)b: sp	
Oct 12 2012 18"	7mm TV	PF,PS,EON,UB,NND,R=F,PA=185		
NGC 2523C	Cam		Galaxy E?	
Oct 12 2012 18"	7mm TV	PF,VS,OVAL,UB,NND,R=F		
NGC 2525	Pup	H877-3	Galaxy SB(s)c	CF,PL,R,VGVLBM,AM ST
Mar 16 2010 12"	11mmT6	CF,PS,OVAL,UB,NND,R=F		
NGC 2527	Pup	H30-8	Open Cluster II2m	CL,VL,PRI,LC,*10..15
Mar 28 2008 1.9"	12x50	PB,PL,R=G		
Mar 13 2007 8"	19mmW	F,PL,R=F,PATCHY		
NGC 2534	Lyn	H840-3	Galaxy E1? pec	PF,PL,R,PSBM,*8S
Nov 10 2012 18"	7mm TV	PF,PS,R,FNUC,R=F		
NGC 2535	Cnc		Galaxy SA(r)c pec	EF,VS,R
Mar 15 2005 8"	11mmT6	VF,MS,EON,OVAL,NND,AV.R=F		
NGC 2537	Lyn	H55-4	Galaxy SB(s)m pec	GCL,PB,PL,R,RRR,ST20
Dec 04 2004 8"	7.5mmW	MF,R,NND,AV,R=F		
NGC 2539	Pup	H11-7	Open Cluster 9.0 III 2 m	CL,VL,RI,LC,*11...13
May 22 2015 12"	17mmT4	CAUGHT BEFORE SETTING. LOW ON HORIZON		
Mar 28 2008 1.9"	12x50	PB,PL,R=G		
Mar 13 2007 8"	19mmW	B,PL,R=G,RESOLVE FAINTER STARS		
NGC 2541	Lyn	H710-3	Galaxy SA(s)cd	F,L,E,VGBM
Mar 28 2011 12"	11mmT6	DIFF,PF,PS,OVAL,MEXT,UB,NND,R=G		
NGC 2544	Cam		Galaxy SB(s)a:	EEF,PS,R,SEVB*AROUND
Oct 12 2012 18"	7mm TV	PF,PS,OVAL,UB,NND,R=F		
NGC 2545	Cnc	H627-2	Galaxy (R)SB(r)ab	F,S,LE45,*8NP4'
Mar 20 2007 8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F		
NGC 2548	Hya	M48 H22-6	Open Cluster 8.0 I 3 r	CL,VL,PRI,PMC,*9..13
May 22 2015 12"	17mmT4	TYPICAL OPEN CLUSTER R=F		
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Mar 19 2006 8"	25mmPL	F,R=F		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Feb 25 2004 8"	25mmPL	1ST. QTR.		
NGC 2549	Lyn		Galaxy SA(r)0^ sp	PB,S,ME0,PSMBM
Nov 10 2012 18"	7mm TV	F,PS,EON,BNUC,R=F,PA=60		

Observations Listing by Catalog Number

NGC 2550 Nov 16 2012 18"	Cam 7mm TV	VF,VS,OVAL,NND,AV,R=F	Galaxy Sb:	EEF,PS,CE
NGC 2550A Nov 16 2012 18"	Cam 7mm TV	VF,VS,OVAL,MEXT,UB,R=F	Galaxy Sc	
NGC 2551 Nov 16 2012 18"	Cam 7mm TV	VF,PS,OVAL,UB,NND,R=F	Galaxy SA(s)0/a	VF,S,F*IN CENTRE
NGC 2552 Nov 10 2012 18"	Lyn 7mm TV	H711-3 DIFF,PF,S,OVAL,UB,NND,R=F	Galaxy SA(s)m?	EF,CL,LE45
NGC 2554 Mar 17 2010 12"	Cnc 11mmT6	H303-2 PF,PS,OVAL,UB,NND,R=F	Galaxy S0/a	F,S,R,MBM,R
NGC 2562 Mar 20 2007 8"	Cnc 11mmT6	H607-3 VF,VS,OVAL,NND,AV,R=F	Galaxy S0/a:	VF,CS,R
NGC 2563 Mar 15 2005 8"	Cnc 11mmT6	H634-2 VF,VS,EON,OVAL,NND,AV,R=F	Galaxy S0^:	CF,S,R,BM
NGC 2565 Mar 17 2010 12"	Cnc 11mmT6	PF,CS,OVAL,NND,R=F	Galaxy (R')SBbc:	F,BIN
NGC 2567 Mar 13 2007 8"	Pup 19mmW	H64-7 PF,L,R=F	Open Cluster 11.0 II 2 m	CL,PL,PRI,LC,IR,*11.
NGC 2571 Mar 28 2008 1.9" Mar 13 2007 8"	Pup 12x50 19mmW	H39-6 B,S,R=F VF,L,R=F	Open Cluster 8.8 II 3 m	CL,VL,CRI,LC,ST9...
NGC 2577 Mar 17 2010 12"	Cnc 28mm	H259-2 PF,CS,OVAL,UB,NND,R=F	Galaxy S0-:	F,S,IF,R
NGC 2591 May 25 2014 18" Nov 16 2012 18"	Cam 8mm Ds 7mm TV	PF,PS,EON,UB,NND,R=F,PA=30 VF,VS,EON,UB,NND,R=G	Galaxy Scd: sp	F,S,E,LBM
NGC 2592 Mar 17 2010 12"	Cnc 11mmT6	H315-2 PF,PS,OVAL,UB,NND,R=F	Galaxy E	PF,S,R,VSBM*
NGC 2595 Apr 05 2005 8"	Cnc 11mmT6	H599-3 VF,VS,OVAL,NND,AV,R=F	Galaxy SAB(rs)c	VF,PL,IF,R,D*SP2'
NGC 2599 Mar 17 2010 12"	Cnc 11mmT6	H234-3 PF,PS,OVAL,R,UB,NND,R=F	Galaxy SAa	VF,S,STELLAR
NGC 2604 Mar 17 2010 12"	Cnc 11mmT6	H292-3 DIFF,,VF,CS,OVAL,NND,R=F	Galaxy SB(rs)cd	VF,PL,R,LBM,R,D*NR

Observations Listing by Catalog Number

NGC 2608 Mar 20 2007 8"	Cnc 11mmT6	H318-2 PF,VS,OVAL,NND,AV,R=F	Galaxy SB(s)b:	F,VLE,MBM,R
NGC 2610 Mar 29 2006 8"	Hya 11mmT6	H35-4 PF,PS,R=F	Planetary Neb 4+2	F,S,ATTTO*13,*7NF
NGC 2613 Mar 13 2007 8"	Pyx 11mmT6	H266-2 PF,PS,EON,NND,AV,R=F	Galaxy SA(s)b	CB,L,VME110
NGC 2619 Mar 17 2010 12"	Cnc 11mmT6	H319-2 CF,PS,OVAL,UB,NND,R=F	Galaxy Sbc	F,PS,R,BM,R
NGC 2627 Mar 13 2007 8"	Pyx 11mmT6	H63-7 PF,S,R=F	Open Cluster 11.0 II 2 r	CL,CL,PRI,PC,*11..13
NGC 2632 Mar 16 2012 18" Mar 01 2011 12" Mar 08 2010 12" Mar 20 2009 16" Mar 08 2007 1.9" Mar 19 2006 8" Mar 19 2004 8" Feb 28 2004 8" Dec 26 2003 8"	Cnc 17mmAT 17mmAT 26mm 26mm 12x50 25mmPL 25mmPL 25mmPL 25mmPL	M44 2012 M.M. M.M. 2011 - MANUAL SETTING CIRCLES M.M. 2010 MANUAL SETTING CIRCLES MESSIER MARATHON - 2009 B,L,RICH CLUSTER,R=G PB,PL,R=G 2004 MESSIER MARATHON - ARGO NAVIS COMPTER = ARGO NAVIS Q/M COLD	Open Cluster 6.0 II 3 m	PRAESEPE CANCRI
NGC 2633 Mar 08 2013 18" Nov 16 2012 18"	Cam 7mm TV 7mm TV	Galaxy SB(s)b PF,VS,OVAL,MEXT,UB,NND,R=F PF,PS,OVAL,UB,AV,R=F		F,S,LE
NGC 2634 Mar 08 2013 18" Nov 16 2012 18"	Cam 7mm TV 7mm TV	Galaxy E1: VF,VS,R,UB,NND,R=F PF,PS,R,UB,NND,R=F		F,S,LE
NGC 2634A May 25 2014 18"	Cam 8mm Ds	Galaxy SB(s)bc? sp VF,VS,EON,UB,NND,R=F,PA=50		
NGC 2636 May 25 2014 18"	Cam 8mm Ds	Galaxy E0: VF,VS,R,UB,NND,AV2,R=P		VF,S,2*11,12 F
NGC 2639 Mar 16 2010 12"	UMa 11mmT6	H204-1 PB,PS,OVAL,UB,NND,R=F	Galaxy (R)SA(r)a:?	CB,S,E130,PSMBM
NGC 2646 Mar 08 2013 18"	Cam 7mm TV	Galaxy SB(r)0^: PF,PS,R,UB,NND,R=F		VF,S,2F*2.5'SF
NGC 2648 Apr 05 2005 8"	Cnc 11mmT6	H49-3 VF,VS,EL,NND,AV,R=F	Galaxy Sa	F,S,VLE135,PSBM

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NGC 2655 Oct 06 2004 8"	Cam 7.5mmW	H288-1 MB,EL,EON,FNUC,R=G	Galaxy SAB(s)0/a	VB,CL,LE90,GSVMBM
NGC 2657 Mar 17 2010 12"	Cnc 11mmT6	VF,VS,OVAL,UB,NND,AV,R=P	Galaxy SA(rs)d:	VF,VS,IR,F*ATT F
NGC 2661 Mar 17 2010 12"	Cnc 11mmT6	H50-3 VF,VS,R,NND,AV,R=P	Galaxy Scd:	EF,CL,R,LBM
NGC 2672 Mar 20 2007 8" Mar 15 2005 8"	Cnc 11mmT6 11mmT6	H48-2 VF,VS,R,NND,AV,R=F MF,ML,OVAL,PATCH,NND,R=F	Galaxy E1-2	PB,PL,IR,MBM
NGC 2673 Mar 17 2010 12"	Cnc 11mmT6	PF,PS,R,UB,NND,R=F	Galaxy E0 pec	VF,VS,CLOSE F2672
NGC 2681 May 10 2005 8"	UMa 11mmT6	H242-1 MB,FS,R,FNUC,R=F	Galaxy (R')SAB(rs)0/a	VB,VL,VG,VSMBM*10
NGC 2682 Mar 16 2012 18" Mar 01 2011 12" Mar 08 2010 12" Mar 20 2009 16" Mar 08 2007 1.9" Mar 19 2006 8" Mar 19 2004 8" Feb 16 2004 8"	Cnc 17mmAT 17mmAT 26mm 26mm 12x50 25mmPL 25mmPL 25mmPL	M67 2012 M.M. M.M. 2011 - MANUAL SETTING CIRCLES M.M. 2010 MANUAL SETTING CIRCLES MESSIER MARATHON - 2009 PB,PL,PATCHY,R=G B,L,R=F 2004 MESSIER MARATHON - ARGO NAVIS 1ST. QTR.	Open Cluster 9.0 II 3 r	CL,VB,VL,ERI,LC,*10.
NGC 2683 Mar 13 2007 8"	Lyn 11mmT6	H200-1 PB,PL,EON,FNUC,R=G	Galaxy SA(rs)b	VB,VL,VME39,GMBM
NGC 2685 Mar 04 2006 8"	UMa 11mmT6	PF,PS,OVAL,NND,R=F	Galaxy (R)SB0+ pec	PF,R,F*INCENTRE
NGC 2715 Mar 08 2013 18"	Cam 7mm TV	PF,PS,OVAL,PET,UB,NND,R=F	Galaxy SAB(rs)c	PB,L,E
NGC 2730 Mar 17 2010 12"	Cnc 11mmT6	VF,CS,R,UB,NND,AV,R=F	Galaxy SBdm:	VF,L,R
NGC 2732 May 25 2014 18"	Cam 8mm Ds	PF,PS,EON,FNUC,R=G,PA=75	Galaxy S0 sp	PB,S,E45,*13NF
NGC 2738 Mar 17 2010 12"	Cnc 11mmT6	VF,CS,OVAL,EXT,NND,AV,R=P	Galaxy S?	PB,S,IF,D W/2737
NGC 2742 Mar 13 2007 8"	UMa 11mmT6	H249-1 PF,PS,OVAL,NND,R=F	Galaxy SA(s)c:	CB,CL,E90,ER

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NGC 2744 Mar 17 2010 12"	Cnc 11mmT6	H60-3 VF,VS,R,NND,AV,R=F	Galaxy SB(s)ab: pec	VF,S,R,R,D* NR
NGC 2748 May 25 2014 18"	Cam 8mm Ds	PF,PS,OVAL,VEXT,UB,NND,R=F	Galaxy SAbc	PB,PL,E,VGLBM
NGC 2749 Mar 15 2005 8"	Cnc 11mmT6	MB,ML,EL,OVAL,NND,R=G	Galaxy E3	PF,S,R,BMN=*15
NGC 2750 Mar 20 2007 8"	Cnc 11mmT6	H291-3 VF,VS,R,NND,AV,R=F	Galaxy SABc	VF,CL,R,BMN,2C *P
NGC 2756 Mar 28 2011 12"	UMa 7mm TV	H828-2 VF,VS,OVAL,UB,NND,R=F	Galaxy Sb	PB,PS,E,VGBM
NGC 2764 Mar 20 2007 8"	Cnc 11mmT6	H236-3 VF,VS,OVAL,NND,AV,R=F	Galaxy S0:	CF,VS,R,ER,BET2PB*
NGC 2765 Mar 29 2006 8"	Hya 11mmT6	H520-2 PF,PS,OVAL,NND,AV,R=F	Galaxy S0	VF,PL,E,GBM,ER
NGC 2768 Mar 04 2006 8"	UMa 11mmT6	H250-1 MB,ML,OVAL,NND,R=F	Galaxy E6:	CB,CL,LE,PSBMLBN
NGC 2775 Mar 15 2005 8"	Cnc 11mmT6	H2-1 MB,ML,OVAL,PATCH,NND,R=G	Galaxy SA(r)ab	CB,CL,R,VGVSBMB,R
NGC 2777 Mar 17 2010 12"	Cnc 11mmT6	VF,VS,,R,NND,AV,R=P	Galaxy Sab?	F,S
NGC 2781 Mar 16 2010 12"	Hya 11mmT6	H66-1 PB,PS,EON,BNUC,R=G	Galaxy SAB(r)0+	B,S,VLE,PSMBM
NGC 2782 Mar 13 2007 8"	Lyn 11mmT6	H167-1 PF,PS,OVAL,NND,AV,R=F	Galaxy SAB(rs)a pec	CB,R,MBMBN
NGC 2783 Mar 17 2010 12"	Cnc 11mmT6	H295-3 PF,CS,OVAL,UB,FNUC,R=F	Galaxy E	VF,VS,R,2PB* SP
NGC 2784 Mar 16 2010 12"	Hya 11mmT6	H59-1 PB,PS,OVAL,UB,FNUC,R=F	Galaxy SA(s)0^:	B,L,ME64,GMBM
NGC 2787 Mar 04 2006 8"	UMa 11mmT6	H216-1 F,PS,R,NND,R=F	Galaxy SB(r)0+	B,PL,LE90,MBM,R,*INV
NGC 2789 Mar 17 2010 12"	Cnc 11mmT6	PF,PS,OVAL,UB,FNUC,R=F	Galaxy S0/a	PF,S,R,GBM

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NGC 2794 Mar 17 2010 12"	Cnc 11mmT6	CF,CS,OVAL,UB,NND,R=F	Galaxy SB?	EF,VS,SP OF 2
NGC 2795 Mar 17 2010 12"	Cnc 11mmT6	CF,CS,OVAL,NND,R=F	Galaxy E	EF,VS,NF OF 2
NGC 2804 Mar 17 2010 12"	Cnc 11mmT6	VF,CS,OVAL,NND,AV,R=P	Galaxy S0	VF,S,R
NGC 2805 Jun 07 2010 12"	UMa 11mmT6	H878-3 PF,PS,OVAL,MEXT,UB,NND.R=F	Galaxy SAB(rs)d	VF,L,R,MBM
NGC 2809 Mar 17 2010 12"	Cnc 11mmT6	CF,CS,OVAL,UB,NND,R=F	Galaxy S0	VF,S,R
NGC 2811 Mar 29 2006 8"	Hya 11mmT6	H505-2 PF,PS,EL,OVAL,NND,AV,R=F	Galaxy SB(rs)a	PB,PS,E,PSMBM
NGC 2841 Mar 04 2006 8"	UMa 11mmT6	H205-1 PB,PL,EON,FNUC,MSB,R=G	Galaxy SA(r)b:	VB,L,VME151,VSMBM*10
NGC 2855 Mar 16 2010 12"	Hya 11mmT6	H132-1 PB,PS,OVAL,UB,FNUC,R=F	Galaxy (R)SA(rs)0/a	PB,PL,R,GMBMN
NGC 2859 Mar 13 2007 8"	LMi 11mmT6	H137-1 PF,S,R,NND,R=F	Galaxy (R)SB(r)0+	VB,PL,R,SMBM
NGC 2862 Apr 09 2010 12"	Leo 11mmT6	CF,PS,EON,UB,NND,R=F	Galaxy S?	F,S,E,BM
NGC 2872 Mar 08 2010 12" May 13 2007 8"	Leo 7.5mmW 7.5mmW	H57-2 CF,CS,R,NND,R=F VF,VS,R,NND,AV,R=F	Galaxy E2	PF,PS,R,BM
NGC 2874 Mar 08 2010 12"	Leo 7.5mmW	CF,CS,MEXT,NND,F=F	Non-Existent	VF,PL,ME
NGC 2880 Mar 04 2006 8"	UMa 11mmT6	H260-1 PF,PS,R,NND,R=F	Galaxy SB0-	B,CS,R,MBM,AM ST
NGC 2882 Apr 09 2010 12"	Leo 11mmT6	CF,PS,OVAL,UB,NND,R=F	Galaxy S?	F,PL,E
NGC 2889 Mar 16 2010 12"	Hya 11mmT6	H555-2 PF,CS,R,UB,NND,R=F	Galaxy SAB(rs)c	PF,PS,VLE,VGLBM,R
NGC 2894 Apr 09 2010 12"	Leo 11mmT6	H8-3 PF,CS,OVAL,UB,NND,R=F	Galaxy Sa	VF,E,ER,2OR3* INV

Observations Listing by Catalog Number

NGC 2903	Leo	H56-1	Galaxy SAB(rs)bc	CB,VL,E,GMBM,R,SPOF2
Feb 17 2012 18"	11mmT6	OBSERVED WITH 18" ASTROSYSTEMS		
Apr 26 2006 8"	19mmW	PB,PL,EL,EON,BNUC,HISB,R=G		
May 12 2004 8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5		
Apr 05 2004 8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**		
Mar 10 2004 8"	25mmPL	N/M, NO COMPUTER		
NGC 2905	Leo	H57-1	Knot in Galaxy	VF,CL,R,PSBM,R,NFOF2
Mar 20 2007 8"	11mmT6	PB,L,OVAL,FNUC,USB,R=G		
Mar 29 2006 8"	11mmT6	PB,PL,EON,BNUC,R=G		
Apr 05 2004 8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 2906	Leo	H495-2	Galaxy Scd:	F,PS,LE,GBM
Mar 16 2010 12"	11mmT6	CF,CS,OVAL,MEXT,UB,NND,R=G		
NGC 2908	Dra	H977-3	Galaxy S	EF,VS
May 23 2012 18"	8.8 ES	CF,CS,R,UB,NND,AV1,R=F		
NGC 2911	Leo	H40-2	Galaxy SA(s)0: pec	F,PL,R,GBM,P OF 2
Mar 16 2010 12"	11mmT6	CF,CS,OVAL,UB,NND,R=F		
NGC 2913	Leo		Galaxy S?	VF,PL,IR
Mar 30 2014 18"	7mm TV	VF,VS,OVAL,MEXT,NND,R=F		
NGC 2916	Leo	H260-2	Galaxy SA(rs)b?	F,S,VLE
Apr 02 2008 8"	11mmT6	PF,PS,OVAL,NND,AV,R=F		
Feb 10 2005 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 2918	Leo	H298-3	Galaxy E	VF,CS,R,SBMN
Apr 09 2010 12"	11mmT6	PF,PS,OVAL,UB,NND,R=F		
NGC 2919	Leo		Galaxy SAB(r)b:	F,PS
Apr 09 2010 12"	11mmT6	VF,VS,OVAL,NND,AV,R=P		
NGC 2927	Leo		Galaxy SAB(rs)b	F,PL,R,LBM
Mar 06 2005 8"	11mmT6	VF,VS, OVAL,NND,AV,R=F		
NGC 2938	Dra	H963-3	Galaxy SB(rs)cd	EF,S,IF,D*F3'
May 23 2012 18"	8.8 ES	VF,CS,OVAL,MEXT,UB,NNE,AV2,R=F		
NGC 2939	Leo	H4-3	Galaxy Sbc	VF,S,VLE,BM,TRI STNF
Mar 16 2010 12"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 2943	Leo		Galaxy E	F,S,IR,BM,F OF2
Apr 09 2010 12"	11mmT6	CF,PS,OVAL,UB,NND,R=F		
NGC 2950	UMA	H68-4	Galaxy (R)SB(r)0^	B,PS,R,VGVMBMN
Mar 04 2006 8"	11mmT6	PB,PS,R,FNUC,,R=G		

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NGC 2955 Mar 20 2007 8"	LMI 11mmT6	H541-3 VF,VS,OVAL,NND,AV,SUSP,R=P	Galaxy (R')SA(r)b	CF,PS,IR,GLBM,R
NGC 2957A Jul 13 2013 18"	Dra 7mm TV	VF,VS,OVAL,PEXT,NND,R=P	Galaxy E1:	EF,*13NR
NGC 2957B Jul 13 2013 18"	Dra 7mm TV	VF,VS,OVAL,PEXT,NND,R=P	Galaxy E	
NGC 2962 Apr 08 2005 8"	Hya 7.5mmW	VF,VS,OVAL,NND,AV,R=F	Galaxy (R)SAB(rs)0+	F,VS,VLE,PSBM
NGC 2963 Jul 13 2013 18"	Dra 7mm TV	H315-3 PF,PS,OVAL,PEXT,UB,NND,R=F	Galaxy SBab	VF,VS,R,BM
NGC 2964 Feb 10 2005 8"	Leo 11mmT6	H114-1 MB,ML,EL,OVAL,PATCHY,NND,MSB,R=G	Galaxy SAB(r)bc:	B,VL,LE,VGBM,SP OF 3
NGC 2968 Feb 10 2005 8"	Leo 11mmT6	H491-2 DIFF,MF,MS,OVAL,NND,AV,R=F	Galaxy I0	PB,PL,LE,VGLBM,2ND-3
NGC 2970 Apr 13 2005 31"	Leo 17mmT4	MB,OVAL,NND,R=F	Galaxy E1:	F,NF OF 3
NGC 2974 Mar 13 2007 8"	Sex 11mmT6	H61-1 PF,PS,OVAL,NND,R=F	Galaxy E4	B,CS,IR,BM,*9SP43"
NGC 2976 Mar 04 2006 8"	UMa 11mmT6	H285-1 DIFF,F,FL,EON,NND,R=F	Galaxy SAc pec	B,VL,ME152,ST INV
NGC 2977 Aug 31 2010 12"	Dra 7mm TV	H282-1 VF,VS,OVAL,MEXT,PATCH,NND,R=F. PA=110	Galaxy Sb:	CB,PL,IF,
NGC 2981 Apr 13 2005 31"	Leo 17mmT4	VF,MS,OVAL,NND,AV,R=F	Galaxy SAB(rs)bc:	VF
NGC 2983 Apr 08 2005 8"	Hya 7.5mmW	H289-3 VF,VS,OVAL,NND,R=F	Galaxy SB(rs)0+	F,PS,R,BM,R,STELLAR
NGC 2985 Mar 04 2006 8"	UMa 11mmT6	H78-1 PB,FS,OVAL,FNUC,R=G	Galaxy (R')SA(rs)ab	VB,CL,R,PSMBM,*INV F
NGC 2986 Apr 08 2005 8"	Hya 7.5mmW	H311-2 VF,VS,OVAL,NND,R=F	Galaxy E2	PB,PS,IR,MBM
NGC 2988 Apr 28 2006 31"	Leo 19mmW	CF,CS,R,FNUC,R=F	Galaxy SBbc	EF,P 2991

Observations Listing by Catalog Number

NGC 2992 Apr 08 2005 8"	Hya 7.5mmW	H277-3 VF,VS,EL,EON,NND,AV,R=F	Galaxy Sa pec	CF,S,R,BM,STEL,P OF2
NGC 2993 Apr 08 2005 8"	Hya 7.5mmW	H278-3 VF,VS,OVAL,NND,AV,R=F	Galaxy Sa pec	CF,S,R,BM,STEL,F OF2
NGC 3003 Mar 20 2007 8"	LMi 11mmT6	H26-5 VF,L,EON,NND,AV,R=F	Galaxy Sbc?	CB,L,VME90
NGC 3020 Apr 29 2011 12"	Leo 5mm TV	H51-3 CF,PS,OVAL,MEXT,R=F,PA=50	Galaxy SB(r)cd:	EF,PS,LE0,R
NGC 3021 Mar 20 2007 8"	LMi 11mmT6	H115-1 PF,PS,OVAL,NND,AV,R=F	Galaxy SA(rs)bc:	PB,PS,VLE,MBM,*10SP
NGC 3031 Jul 25 2017 12" May 14 2017 12" Jul 01 2016 12" Apr 14 2016 12" Mar 16 2012 18" Mar 01 2011 12" Mar 08 2010 12" Mar 20 2009 16" Mar 08 2007 1.9" Aug 20 2006 1.9" Mar 19 2006 8" May 04 2005 8" Apr 04 2005 8" Feb 10 2005 8" Apr 14 2004 31" Apr 05 2004 8" Mar 19 2004 8" Feb 28 2004 8" Dec 30 2003 8"	UMa 11mmT6 11mmT6 8mm Et 8mm Ds 17mmAT 17mmAT 26mm 26mm 12x50 12x50 19mmW 19mmW 11mmT6 11mmT6 17mmT4 25mmPL 25mmPL 25mmPL 25mmPL 25mmPL	M81 NOT BAD. EXCELLENT EYE CANDY F,S,OVAL,NND,R=G 2012 M.M. M.M. 2011 - MANUAL SETTING CIRCLES M.M. 2010 MANUAL SETTING CIRCLES MESSIER MARATHON - 2009 FB,L,OVAL,FNUC,R=G PB,PL,OVAL,FNUC,HISB,R=G PB,PL,EL,EON,BNUC,R=G VB,VL,OVAL,BNUC,VHISB,R=E! VB,VL,EON,NUC,HISB,R=E!! MF,ML,OVAL,NND,R=F CLEAR NIGHT - MEGASTAR CONTROL FULLMOON - **MEGASTAR CONTROL** 2004 MESSIER MARATHON - ARGO NAVIS COMPTER = ARGO NAVIS H/M COLD	Galaxy SA(s)ab	EB,EL,E156,GSVMBMBN 2
NGC 3032 Feb 10 2005 8"	Leo 11mmT6	H277-3 VF,VS,EL,NND,AV,R=F	Galaxy SAB(r)0^	F,S,SBM*12,BET2B*

Observations Listing by Catalog Number

NGC 3034	UMa	M82	H79-4	Galaxy I0 sp	VB,VL,VME(RAY)
Jul 25 2017 12"	11mmT6	NOT BAD			
May 14 2017 12"	11mmT6	EXCELLENT			
Jul 01 2016 12"	8mm Et	EYE CANDY			
Apr 14 2016 12"	8mm Ds	F,S,PEXT,NND,R=G,BRIGHT KNOT ON ONE END.			
Sep 19 2014 12"	17mmAT	5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14			
Mar 30 2014 28"	17mmAT	SUPER NOVA IN M-82. NEAT TO SEE. M-82 LOOKED GREAT WITH THE DUST LANES			
Mar 16 2012 18"	17mmAT	2012 M.M.			
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES			
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES			
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009			
Mar 08 2007 1.9"	12x50	FB,FS,OVAL,NND,R=F			
Aug 20 2006 1.9"	12x50	PB,L,OVAL,FNUC,R=G			
Mar 19 2006 8"	19mmW	PB,PL,EON,FNUC,R=G			
May 04 2005 8"	19mmW	VB,ML,EL,EON,BNUC,VHISB,R=E!			
Apr 14 2004 31"	17mmT4	CLEAR NIGHT - MEGASTAR CONTROL			
Apr 05 2004 8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**			
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS			
Feb 28 2004 8"	25mmPL	COMPTER = ARGO NAVIS			
Dec 30 2003 8"	25mmPL	H/M COLD			
NGC 3041	Leo	H98-2	Galaxy SAB(rs)c	GCL,F,L,R,VGLBM,RR	
Apr 05 2005 8"	11mmT6	MF,MS,OVAL,NND,AV,R=F			
NGC 3044	Sex	H254-3	Galaxy SB(s)c? sp	VF,VL,VME122	
Mar 30 2014 18"	7mm TV	B,PS,EON,UB,NND,R=G,PA=145,REALLY NICE			
Mar 30 2014 28"	7mm TV	SUPER WITH IMAGE INTENSIFIER. SOME DETAIL IN CORE DEFINITION COMES AND GOES			
NGC 3049	Leo	H600-3	Galaxy SB(rs)ab	VF,VS,F*V NR	
Apr 17 2015 18"	8mm Ds	VF,PS,OVAL,UB,NND,R=F			
NGC 3052	Hya	H272-3	Galaxy SAB(r)c:	F,PL,R,GLBM,NF OF 2	
Apr 08 2005 8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F			
NGC 3053	Leo	H600-3	Galaxy SBa?	VF,S,VLE,GBM	
Mar 16 2010 12"	11mmT6	VF,VS,OVAL,NND,AV,R=F			
NGC 3054	Hya	H978-3	Galaxy SAB(r)b	PB,L,IRR OBLONG	
Apr 08 2005 8"	7.5mmW	DIFF,VF,ML,OVAL,NND,AV,R=F			
NGC 3057	Dra	H978-3	Galaxy SB(s)dm	EF,PL,VLBM,2S* S	
Sep 09 2010 12"	5.5mmN	VF,CS,OVAL,R,NND,AV,R=P			
NGC 3061	Dra	H903-2	Galaxy (R')SB(rs)c	VF,PL,RESOLVABLE	
Sep 09 2010 12"	5.5mmN	VF,CS,R,NND,AV,R=F			
NGC 3065	UMa	H333-2	Galaxy SA(r)0^	PF,VS,R,BM,*11NR	
Mar 28 2011 12"	5mm TV	VF,PS,R,UB,NND,AV,R=F			

Observations Listing by Catalog Number

NGC 3067 Apr 05 2005 8"	Leo 11mmT6	H492-2 MF,MS,EL,OVAL,NND,R=F	Galaxy SAB(s)ab?	PB,PL,E106,GBM,*94'P
NGC 3070 Mar 29 2006 8"	Leo 11mmT6	H59-2 PF,PS,OVAL,NND,AV,R=F	Galaxy E	PB,PS,R,GMBMN,AM3ST
NGC 3072 Apr 08 2005 8"	Hya 7.5mmW	H273-3 VF,VS,OVAL,NND,AV,R=F	Galaxy S0/a? sp	VF,PS,LE,GLBM
NGC 3073 Mar 28 2011 12"	UMa 5mm TV	H853-3 VF,VS,R,UB,NND,AV,R=F	Galaxy SAB0-	VF,S,VGLBM
NGC 3077 Mar 13 2007 8" May 24 2004 8"	UMa 11mmT6 25mmPL	H286-1 PF,L,OVAL,NND,AV,R=F DECENT NIGHT - MEGASTAR CONTROL	Galaxy I0 pec	CB,CL,MBM,R WITH RAY
NGC 3078 Apr 08 2005 8"	Hya 7.5mmW	H268-2 MF,ML,OVAL,FNUC,R=G	Galaxy E2-3	PB,S,R,MBM
NGC 3079 Mar 04 2006 8"	UMa 11mmT6	H47-5 PF,FL,EON,NND,R=F	Galaxy SB(s)c sp	VB,L,ME135
NGC 3091 Apr 08 2005 8"	Hya 11mmT6	H293-2 MF,MS,OVAL,NND,R=F	Galaxy E3:	PB,PS,IR,BM,P OF 2
NGC 3094 Apr 07 2008 31"	Leo 17mmT4	H293-2 B,S,OVAL,UB,HSB,R=G	Galaxy SB(s)a	F,BM,*9 30"SF
NGC 3098 Apr 05 2005 8"	Leo 11mmT6	H293-2 VF,MS,EL,EON,NND,R=F	Galaxy S0 sp	PB,S,E85,PSBMN
NGC 3107 Apr 07 2008 31"	Leo 17mmT4	H898-2 F,S,OVAL,UB,NND,R=F	Galaxy Sbc:	PF,PL,IR,*8NP 112"
NGC 3109 Apr 08 2005 8"	Hya 11mmT6	H898-2 DIFF,MF,VL,EON,NND,R=F	Galaxy SB(s)m sp	CF,VL,VME82,LBM
NGC 3115 Mar 15 2005 8"	Sex 11mmT6	H163-1 VB,ML,EL,EON, FNUC,MSB,R=G	Galaxy S0- sp	VB,L,VME46,VGSMBMEN
NGC 3119 Apr 07 2008 31"	Leo 17mmT4	H163-1 F,PS,OVAL,UB,NND,R=F	Non-Existent	VF
NGC 3124 Apr 08 2005 8"	Hya 11mmT6	H163-1 DIFF,VF,ML,OVAL,NND,R=F	Galaxy SAB(rs)bc	F,PL,R,LBM,D* S
NGC 3130 Apr 15 2007 31"	Leo 17mmT4	H163-1 PB,L,OVAL,FNUC,R=G	Galaxy S0/a	EF,S,PSBM,*5SF

Observations Listing by Catalog Number

NGC 3131	Leo		Galaxy SBb:	PB,PS,PME,GBM
Apr 15 2007 31"	17mmT4	PB,PL,EON,FNUC,R=G		
NGC 3144	Dra		Non-Existent	VF,S,R,*13ATT F
Jul 13 2013 18"	7mm TV	VF,PS,OVAL,MEXT,UB,NND,R=F		
NGC 3145	Hya	H518-3	Galaxy SB(rs)bc	F,PL,R,VGSLBM
Mar 29 2006 8"	11mmT6	B,L,EON,FNUC,R=F		
Mar 15 2005 8"	11mmT6	VB,ML,EL,EON,R=G		
NGC 3146	Hya		Galaxy SB(r)b?	EF,S,R,GBM
Apr 08 2005 8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F		
NGC 3147	Dra	H79-1	Galaxy SA(rs)bc	VB,L,R,VGVSVMBM
Jul 25 2017 12"	11mmT6	PF,PS,OVAL,MEXT,NND,R=F		
Sep 02 2016 12"	8mm Et	PF,PS,R,FNUC,R=F, 2 STARS TO SOUTHEAST.		
Jul 23 2006 8"	11mmT6	PF,PS,OVAL,NND,R=F		
Jun 19 2004 8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC 3153	Leo	H53-3	Galaxy Scd:	EF,PL,VLE,R,ST INV
Apr 15 2007 31"	17mmT4	PB,VL,OVAL,NND,R=G		
NGC 3154	Leo		Galaxy Sb	F,S,R,LBM
Apr 15 2007 31"	17mmT4	PB,L,EL,OVAL,FNUC,MSB,R=G		
NGC 3156	Sex	H255-3	Galaxy S0:	F,CS,R,PSBM,*9,10SF2
Mar 28 2011 12"	7mm TV	PF,CS,OVAL,PEXT,FNUC,R=G,PA=45		
NGC 3158	LMi	H639-2	Galaxy E3:	CB,CS,R,PSBM,R
Mar 20 2007 8"	11mmT6	VF,VS,R,NND,AV,R=F		
NGC 3162	Leo	H43-2	Galaxy SAB(rs)bc	PF,CL,R,VGLBM,R,*INV
Apr 05 2005 8"	11mmT6	DIFF,VF,ML,OVAL,NND,AV,R=F		
NGC 3166	Sex	H3-1	Galaxy SAB(rs)0/a	B,PS,R,PSMBM,2ND OF3
Mar 13 2007 8"	11mmT6	CB,CL,OVAL,FNUC,MHISB,R=G		
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
NGC 3169	Sex	H4-1	Galaxy SA(s)a pec	B,PL,VLE,PGMBM,3RD-3
Mar 13 2007 8"	11mmT6	CB,CL,OVAL,FNUC,R=G		
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
NGC 3177	Leo	H25-3	Galaxy SA(rs)b	CF,S,R,PSBM
Apr 15 2007 31"	17mmT4	VB,PL,OVAL,BNUC,HISB,R=G		
Mar 20 2007 8"	11mmT6	PF,VS,R,NND,AV,R=F		
NGC 3183	Dra	H283-1	Non-Existent	F,PL,E,LBM
Aug 06 2010 12"	7mm TV	CF,CS,OVAL,UB,NND,AV,R=F		

Observations Listing by Catalog Number

NGC 3184	UMa	H168-1	Galaxy SBc	PB,VL,R,VGBM
Mar 13 2007 8"	11mmT6	VF,S,R,NND,AV,R=F		
NGC 3185	Leo		Galaxy (R)SB(r)a	PF,PL,GMBM
Apr 15 2007 31"	17mmT4	PB,L,OVAL,FNUC,MSB,R=G		
Apr 05 2005 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 3186	Leo		Galaxy S	PF,VS,GBM,SEVF*NR
Apr 15 2007 31"	17mmT4	VF,L,R,NND,AV,R=F		
NGC 3187	Leo		Galaxy SB(s)c pec	VF,E
Apr 15 2007 31"	17mmT4	PB,L,EL,OVAL,NND,R=G		
NGC 3189	Leo		Knot in Galaxy	VVF,ME,PARALLEL-3190
Apr 05 2005 8"	11mmT6	VF,EON,BOTTOM OF NGC 3190		
NGC 3190	Leo	H44-2	Galaxy SA(s)a pec sp	B,PS,E,PSBMN
Apr 15 2007 31"	17mmT4	VB,PL,EON,BNUC,HISB,R=G		
Apr 26 2006 8"	11mmT6	F,PS,EL,OVAL,NND,R=F		
Apr 05 2005 8"	11mmT6	MF,ML,EL,EON,FNUC,R=G		
NGC 3193	Leo	H45-2	Galaxy E2	B,S,VLE,PSLBM,*9NF
Apr 15 2007 31"	17mmT4	VB,L,R,BNUC,HISB,R=G		
Apr 26 2006 8"	11mmT6	PF,PS,R,NND,R=F		
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
NGC 3194	Dra	H965-3	Galaxy S?	VF,VS
Aug 31 2010 12"	7mm TV	CF,VS,OVAL,MEXT,UB,NND,AV,R=P. PA=170		
NGC 3196	Leo	H348-3	Galaxy	EEF,PS,LE
Apr 21 2007 31"	17mmT4	PF,PS,OVAL,NND,R=F		
NGC 3197	Dra	H966-3	Galaxy Sbc	VF,VS
Jul 13 2013 18"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F		
NGC 3198	UMa	H199-1	Galaxy SB(rs)c	PB,VL,ME45,VGBM
Mar 13 2007 8"	11mmT6	VF,S,EON,NND,AV,R=F		
NGC 3200	Hya		Galaxy SAB(rs)c:	PB,E160,BMN
Apr 08 2005 8"	7.5mmW	VF,VS,EON,NND,AV,R=F		
NGC 3204	Leo		Galaxy SAB(r)b	EF,PL,GBM
Apr 21 2007 31"	17mmT4	F,PS,OVAL,NND,R=F		
NGC 3206	UMa	H266-1	Galaxy SB(s)cd	PB,CL,E,VGLBM
Apr 09 2010 12"	11mmT6	VF,CS,OVAL,PEXT,UB,NND,AV,R=F		
NGC 3209	Leo		Galaxy E	F,S,R,HAS A *
Apr 21 2007 31"	17mmT4	PB,PLMOVAL,BNUC,R=G		

Observations Listing by Catalog Number

NGC 3212	Dra	H980-3	Galaxy SB?	VF,S,2ND OF 3
Jul 13 2013 18"	7mm TV	VF,PS,OVAL,MEXT,UB,NND,R=F,PAIRED W/NGC-3215		
NGC 3213	Leo		Galaxy Sbc:	VF,VS,R,R
Apr 21 2007 31"	17mmT4	DIFF,CF,PL,OVAL,UB,NND,R=F		
NGC 3215	Dra	H981-3	Galaxy S?	VF,S,3RD OF 3
Jul 13 2013 18"	7mm TV	VF,PS,PEXT,UB,NND,R=F,PAIRED W/NGC-3212		
NGC 3216	Leo	H330-3	Galaxy E:	VF,PS,R,BM
Apr 21 2007 31"	17mmT4	PF,PS,OVAL,FNUC,R=F		
NGC 3218	Dra	H283-1	Galaxy SB(s)bc:	CB,CL,ER,
Aug 25 2011 12"	5mm TV	F,VS,OVAL,MEXT,UB,NND,AV1,R=P		
NGC 3221	Leo		Galaxy SB(s)cd: sp	EF,ME,RAY
Apr 21 2007 31"	17mmT4	DIFF,PF,PL,EON,NND,R=F		
NGC 3222	Leo		Galaxy SB0:	F,LBM,RR,(BIN)
Apr 21 2007 31"	17mmT4	PB,PL,OVAL,FNUC,R=F		
Mar 20 2007 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 3225	UMa	H882-2	Galaxy Scd:	CF,PL,LE,VGBM
Mar 28 2011 12"	5mm TV	VF,VS,OVAL,NND,AV,R=F		
NGC 3226	Leo	H28-2	Galaxy E2: pec	PB,CL,R,DW/3227
Apr 26 2006 8"	11mmT6	PF,PS,OVAL,NND,R=F		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 3227	Leo	H29-2	Galaxy SAB(s)a pec	PB,CL,R,DW/3226
Apr 26 2006 8"	11mmT6	F,S,EL,R,NND,R=F		
Mar 23 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 3230	Leo		Galaxy S0	PF,PS,SBM*14,*9S19"
Apr 21 2007 31"	17mmT4	PB,PL,EL,OVAL,FNUC,MSB,R=G		
NGC 3239	Leo	H10-4	Galaxy IB(s)m pec	VF,*9INV NR M
Apr 21 2007 31"	17mmT4	DIFF,PF,CL,OVAL,NND,R=F		
NGC 3242	Hya	H27-4	Planetary Neb 4+3b	PLN,VB,LE147,45"D
May 22 2015 12"	8mm Ds	NO FILTER CENTRAL STAR NOT VISIBLE		
Apr 08 2005 8"	7.5mmW	VB,VL,R,R=G		
NGC 3245	LMi	H86-1	Galaxy SA(r)0^:?	VB,PL,E0, SMBMEN
May 25 2014 18"	8mm Ds	PF,PS,OVAL,MEXT,BNUC,R=G		
Mar 13 2007 8"	11mmT6	PF,PS,OVAL,NND,R=F		
Mar 23 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		

Observations Listing by Catalog Number

NGC 3245A	LMi		Galaxy SB(s)b sp	
May 25 2014 18"	8mm Ds	PF,VS,EON,UB,NND,R=F,PA=150		
NGC 3248	Leo	H347-2	Galaxy S0	PB,S,R,PSBM
Apr 21 2007 31"	17mmT4	PB,PL,EL,OVAL,FNUC,MSB,R=G		
NGC 3252	Dra	H316-3	Galaxy SBd? sp	EF,PS,ME,R
Jul 13 2013 18"	7mm TV	PF,PS,EON,UB,NND,R=F,PA=35		
NGC 3253	Leo		Galaxy SAB(rs)bc	VF,PS,R
Apr 21 2007 31"	17mmT4	DIFF,PF,PL,R,NND,R=F		
NGC 3254	LMi	H72-1	Galaxy SA(s)bc	CB,L,ME45,PSMBMN
Mar 20 2007 8"	11mmT6	F,L,EON,NND,R=F		
NGC 3270	Leo	H331-3	Galaxy SAB(r)b:	CF,VS,E,GLBM
Apr 21 2007 31"	17mmT4	PB,PL,EON,FNUC,R=G		
NGC 3274	Leo	H358-2	Galaxy SABd?	F,PL,R,GLBM,D* F
Apr 05 2005 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 3277	LMi	H359-2	Galaxy SA(r)ab	CB,CS,R,PGMBM
Mar 13 2007 8"	11mmT6	VF,VS,R,NND,R=F		
NGC 3279	Leo		Galaxy Sd	F,ME
Apr 19 2006 31"	19mmW	B,PL,MEON,UB,NND,R=G		
NGC 3287	Leo		Galaxy SB(s)d	F,PL,D*P24S,S4'
Apr 21 2007 31"	17mmT4	DIFF,PF,PL,EL,OVAL,NND,R=F		
NGC 3294	LMi	H164-1	Galaxy SA(s)c	CB,L,ME135,GLBM
May 15 2017 12"	7mm TV	PF,PS,OVAL,UB,NND,R=F		
Mar 13 2007 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 3299	Leo	H54-3	Galaxy SAB(s)dm	EF,CL,R,VGBM,R
Apr 21 2007 31"	17mmT4	DIFF,CF,PL,OVAL,NND,AV,R=F		
NGC 3300	Leo	H55-3	Galaxy SAB(r)0^:?	CF,CS,R,PMBM,R,AMBST
Apr 21 2007 31"	17mmT4	CB,PL,OVAL,FNUC,MSB,R=G		
NGC 3301	Leo	H46-2	Galaxy SB0-a	CB,S,LE53,PSBM,R
Mar 06 2005 8"	11mmT6	MB,MS,EL,FNUC,MSB,R=G		
NGC 3303	Leo	H66-3	Galaxy Pec	VF,VS,VLE,GLBM,R
Apr 21 2007 31"	17mmT4	PF,PL,OVAL,UB,NND,R=F		
NGC 3306	Leo		Galaxy SB(s)m?	F,S,R
Apr 21 2007 31"	17mmT4	PF,PS,EON,UB,NND,R=F		

Observations Listing by Catalog Number

NGC 3310 Mar 13 2007 8"	UMa 11mmT6	H60-4 CB,PS,R,FNUC,R=G	Galaxy SAB(r)bc pec	CB,PL,R,VG,VSMBMN
NGC 3319 Apr 09 2010 12"	UMa 11mmT6	H700-3 DIFF,CF,PS,OVAL,MEXT,NND,AV,R=F	Galaxy SB(rs)cd	CF,L,IE,MB,S OF M
NGC 3329 Aug 29 2010 12" Aug 18 2010 12" Aug 06 2010 12"	Dra 7mm TV 7mm TV 7mm TV	H284-1 CF,CS,OVAL,MEXGT,UB,NND,R=F. PA=100. CF,CS,OVAL,MEXT,UB,NND,A=F. PA=100, 2 STARS NEAR W.N.W. VF,VS,OVAL,NND,AV,R=F	Non-Existent	PB,S,LE,PSMBM
NGC 3332 Apr 21 2007 31"	Leo 17mmT4	H272-1 DIFF,PF,PL,R,NND,R=F	Galaxy (R)SA0-	VF,S,LE130
NGC 3338 May 15 2017 12" Apr 26 2009 16" Mar 06 2005 8"	Leo 7mm TV 17mmT4 11mmT6	H77-2 VF,PS,OVAL,UB,NND,R=F PF,PS,EL,OVAL,UB,NND,R=F VF,MS,EL,OVAL,PATCHY,NND,AV,R=G	Galaxy SA(s)c	F,CL,E,VGBM,*7P10S
NGC 3343 Jul 13 2013 18"	Dra 7mm TV	H317-3 PF,PS,OVAL,MEXT,UB,NND,R=F	Galaxy E	PF,S,R,GBM
NGC 3344 May 15 2017 12" Mar 13 2007 8" Mar 23 2004 8"	LMi 7mm TV 11mmT6 25mmPL	H81-1 F,PS,OVAL,UB,NND,R=G. 3 STARS SUPERIMPOSED ON GALAXY. PF,CL,OVAL,FNUC,R=F COMPUTER = ARGO NAVIS	Galaxy (R)SAB(r)bc	CB,L,GBM,*INV,2ST F
NGC 3346 Apr 21 2007 31"	Leo 17mmT4	H7-5 DIFF,PF,PL,R,NND,R=F	Galaxy SB(rs)cd	CF,VL,R,VGVLBM,ER
NGC 3349 Apr 21 2007 31"	Leo 17mmT4	DIFF,CF,CS,R,NND,R=F	Galaxy Sc	EF,VS
NGC 3351 Mar 16 2012 18" Mar 01 2011 12" Mar 08 2010 12" Mar 20 2009 16" May 06 2007 1.9" Mar 19 2006 8" Mar 19 2004 8" Feb 25 2004 8"	Leo 17mmAT 17mmAT 11mmT6 26mm 12x50 19mmW 25mmPL 25mmPL	M95 2012 M.M. M.M. 2011 - MANUAL SETTING CIRCLES M.M. 2010 MANUAL SETTING CIRCLES MESSIER MARATHON - 2009 PF,PS,OVAL,NND,R=F FB,L,OVAL,RNUC,HISB,R=G 2004 MESSIER MARATHON - ARGO NAVIS 1ST. QTR.	Galaxy SB(r)b	B,L,R,PGMBMN
NGC 3352 Apr 07 2008 31"	Leo 17mmT4	B,PS,OVAL,FNUC,R=F	Galaxy S0	PB,S,R,BMN
NGC 3356 Apr 21 2007 31"	Leo 17mmT4	H107-3 PB,PL,EL,OVAL,FNUC,MSB,R=G	Galaxy Sbc	VF,PS,R,BM,*9S150"

Observations Listing by Catalog Number

NGC 3357	Leo		Galaxy E+:	F,S,MBM
Apr 07 2008 31"	17mmT4	B,PS,R,FNUC,HSB,R=G		
NGC 3359	UMa	H52-5	Galaxy SB(rs)c	PB,L,E0,GLBM
Apr 09 2010 12"	11mmT6	PF,PS,OVAL,PEXT,FNUC,R=G		
NGC 3362	Leo		Galaxy SABc	VF,PS,R,LBM,R
Apr 07 2008 31"	17mmT4	F,L,OVAL,UB,NND,R=F		
NGC 3363	Leo		Galaxy S?	F,PS,IR,LBM,R
Apr 07 2008 31"	17mmT4	F,L,OVAL,UB,NND,R=F		
NGC 3365	Sex		Galaxy Scd: sp	EF,L,EE159,VGVLBM
Mar 30 2014 18"	7mm TV	PF,PS,EON,UB,NND,R=F,PA=150		
NGC 3367	Leo	H78-2	Galaxy SB(rs)c	PB,CL,IR,VGLBM,R,1-3
May 15 2017 12"	7mm TV	VF,PS,R,UB,NND,R=G		
Apr 26 2009 16"	17mmT4	PF,CS,R,UB,NND,R=F		
Mar 19 2004 8"	25mmPL	*12.0 MAG. 2004 MESSIER MAR.*		
NGC 3368	Leo	M96	Galaxy SAB(rs)ab	VB,VL,LE,VSVMBM,R
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
May 06 2007 1.9"	12x50	PF,PS,OVAL,NND,R=F		
Mar 19 2006 8"	19mmW	FB,L,OVAL,RNUC,HISB,R=G		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Feb 25 2004 8"	25mmPL	1ST. QTR.		
NGC 3370	Leo	H81-2	Galaxy SA(s)c	CB,PL,VLE,GBM,R
May 13 2007 8"	11mmT6	PF,PS,OVAL,NND,AV,R=F		
NGC 3371	Leo		Galaxy	EF,R,2ND OF 3
May 15 2017 12"	7mm TV	PF,PS,OVAL,MEXST,FNUC,R=F		
NGC 3373	Leo		Galaxy SA0:	F,R,3RD OF 3
May 15 2017 12"	7mm TV	PF,VS,OVAL,MEXTMFNUC,R=G		
NGC 3377	Leo	H99-2	Galaxy E5-6	VB,CL,LE,SVMBMBN
May 15 2017 12"	7mm TV	PF,PS,OVAL,FNUC,R=G		
Apr 26 2009 16"	17mmT4	PF,PS,OVAL,FNUC,R=F		
Apr 26 2006 8"	11mmT6	VF,PS,OVAL,NND,AV,R=F		
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 3377A	Leo		Galaxy SAB(s)m	
May 15 2017 12"	7mm TV	VF,VS,OVAL,UB,NND,R=F		

Observations Listing by Catalog Number

NGC 3379	Leo	M105 H17-1	Galaxy E1	VB,CL,R,PSBM,R
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Apr 02 2008 8"	11mmT6	PB,PLM,R,BNUC,HSB,R=G		
May 06 2007 1.9"	12x50	PF,PS,OVAL,NND,R=F		
Mar 19 2006 8"	19mmW	FB,CL,OVAL,BNUC,HISB,R=G		
May 12 2004 8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Feb 25 2004 8"	25mmPL	1ST. QTR.		
NGC 3381	LMi	H565-2	Galaxy SB pec	PF,CL,IR,VGLBM,1ST-3
Mar 20 2007 8"	11mmT6	VF,PS,R,NND,AV,R=F		
NGC 3384	Leo	H18-1	Galaxy SB(s)0-:	VB,L,R,PSMBM,2ND OF3
Apr 02 2008 8"	11mmT6	PB,PL,OVAL,UB,FNUC,R=G		
Apr 26 2006 8"	11mmT6	FB,PS,OVAL,UB,R=G		
May 12 2004 8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5		
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 3389	Leo	H41-2	Galaxy SA(s)c	F,L,E PF,VGLBM,3RD-3
Apr 02 2008 8"	11mmT6	PF,PS,OVAL,NND,R=F		
Apr 26 2006 8"	11mmT6	PF,PS,EL,OVAL,NND,R=F		
NGC 3391	Leo		Galaxy S?	F,S,R,BET2* NR
Apr 07 2008 31"	17mmT4	B,PS,OVAL,UB,NND,HSB,R=F		
NGC 3395	LMi	H116-1	Galaxy SAB(rs)cd pec:	CB,PS,ILE,1ST OF 2
May 15 2017 12"	7mm TV	VF,PS,OVAL,MEXT,UB,NND,R=G. PAIRED W/NGC3396		
Mar 29 2006 8"	11mmT6	PF,PS,EL,OVAL,NND,R=F		
Mar 04 2006 8"	11mmT6	VF,VS,R,NND,R=F		
NGC 3396	LMi	H117-1	Galaxy IBm pec	PB,PS,ILE,2ND OF 2
May 15 2017 12"	7mm TV	VF, PS,OVAL,MEXTG,UB,NND,R=F. PAIRED W/NGC3395		
Mar 29 2006 8"	11mmT6	PF,VS,R,NND,R=F		
Mar 04 2006 8"	11mmT6	VF,PS,OVAL,NND,R=F		
NGC 3397	Dra	H284-1	Galaxy (R)SA(r)b:	CB,VS,IF
Aug 25 2011 12"	5mm TV	F,VS,OVAL,PEXT,UB,FNUC,R=F		
NGC 3399	Leo		Galaxy S0?	F,VS
Apr 07 2008 31"	17mmT4	PB,S,R,UB,NND,HSB,R=G		
NGC 3403	Dra	H335-2	Galaxy SAbc:	PF,L,IE,VGBM
Feb 23 2006 31"	17mmT4	MB,FS,OVAL,NND,LSB.R=F		
NGC 3405	Leo		Galaxy S0	F,ES,ALMSTELL,S*NR
Apr 07 2008 31"	17mmT4	PB,S,R,UB,NND,HSB,R=G		

Observations Listing by Catalog Number

NGC 3406	UMa		Galaxy E	PB,R,PGBM
May 30 2014 18"	8mm Ds	PF,PS,R,UB,NND,R=F		
NGC 3412	Leo	H27-1	Galaxy SB(s)0^	B,S,LE135,SMBMN
Apr 26 2006 8"	11mmT6	FB,PS,OVAL,FNUC,MSB,R=G		
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
NGC 3413	LMi	H493-2	Galaxy S0 sp	F,S
May 15 2017 12"	7mm TV	VF,VS,OVAL,MEXT,UB,NND,R=F		
NGC 3414	LMi	H362-2	Galaxy S0 pec	B,PL,R,MBM
May 15 2017 12"	7mm TV	PF,PS,OVAL,MEXT,FNUC,R=G		
Mar 04 2006 8"	11mmT6	MB,FS,OVAL,FNUC,R=G		
NGC 3417	Leo		Galaxy	EF,VS,ALM STELL
Apr 07 2008 31"	17mmT4	VF,S,OVAL,NND,AV,R=F		
NGC 3418	LMi	H363-2	Galaxy SAB(s)0/a:	CF,S,R,BM
May 15 2017 12"	7mm TV	VF,PS,OVAL,UB,NND,R=F		
NGC 3419	Leo		Galaxy (R)SAB(r)0+	F,VS,R,ALMSTEL,S*VNR
Apr 07 2008 31"	17mmT4	PB,PS,R,BNUC,HSB,R=G		
NGC 3419A	Leo		Galaxy SB(s)b: sp	
Apr 07 2008 31"	17mmT4	PF,PS,EON,UB,NND,R=F		
NGC 3423	Sex	H6-4	Galaxy SA(s)cd	F,VL,R,VGBM,RR
Mar 15 2005 8"	11mmT6	VF,ROUND,NND,AV,R=F		
NGC 3424	LMi	H494-2	Galaxy SB(s)b:?	PF,PL,LE,SP OF 3
May 15 2017 12"	7mm TV	PF,PS,OVAL,VEXT,UB,NND,R=G		
Mar 30 2014 18"	7mm TV	DIFF,PF,PS,R,UB,NND,R=F		
Mar 28 2011 12"	7mm TV	PF,CS,EON,UB,NND,R=F,PA=120		
NGC 3425	Leo	H108-3	Non-Existent	EF,ES,R
Apr 07 2008 31"	17mmT4	PF,PS,R,UB,NND,R=F		
NGC 3426	Leo		Galaxy S?	PF,S,R,D*N
Apr 07 2008 31"	17mmT4	PB,PS,OVAL,BNUC,HSB,R=G		
NGC 3427	Leo		Galaxy S0/a	NEB,NO DESCR
Apr 07 2008 31"	17mmT4	B,S,EL,OVAL,FNUC,R=F		
NGC 3428	Leo		Galaxy SAB(s)b	VF,S,LE,GLBM
Apr 07 2008 31"	17mmT4	B,L,EON,UB,NND,R=F		

Observations Listing by Catalog Number

NGC 3430	LMi	H118-1	Galaxy SAB(rs)c	PB,L,IE,GBM,2ND OF 3
May 15 2017 12"	7mm TV	PF,PS,OVALMUB,NND,R=F		
Mar 28 2011 12"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F		
Mar 29 2006 8"	11mmT6	PF,S,OVAL,NND,R=F		
NGC 3432	LMi	H172-1	Galaxy SB(s)m sp	PB,PL,VME40,**NR SP
May 15 2017 12"	7mm TV	PF,PS,EON,UB,NND,R=G		
Mar 29 2006 8"	11mmT6	F,L,EON,NND,R=F		
NGC 3435	UMa	H887-2	Galaxy Sb	CF,PS,LE,VGBM
May 30 2014 18"	8mm Ds	VF,PS,OVAL,UB,NND,R=F		
NGC 3437	Leo	H47-2	Galaxy SAB(rs)c:	PB,PL,LE120,GBM
May 13 2007 8"	11mmT6	VF,CS,EL,OVAL,NND,AV,F		
NGC 3440	UMa	H914-3	Galaxy SBb? sp	VF,S,LE
May 30 2014 18"	8mm Ds	PF,PS,EON,UB,NND,R=F,PA=50		
NGC 3445	UMa	H267-1	Galaxy SAB(s)m	CB,PL,IR,VGLBM,*NF2'
May 30 2014 18"	8mm Ds	PFL,PS,R,UB,NND,R=F		
NGC 3448	UMa	H233-1	Galaxy I0	B,PL,ME67,GBM
Apr 09 2010 12"	11mmT6	PF,PS,EON,UB,NND,R=F		
NGC 3454	Leo		Galaxy SB(s)c? sp	PF,LE,NP OF 2
May 25 2014 18"	8mm Ds	PF,VS,EON,UB,NND,R=F,PA=110		
NGC 3455	Leo	H82-2	Galaxy (R')SAB(rs)b	PF,S,E,GBM,R,SF OF 2
May 25 2014 18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F		
NGC 3457	Leo		Galaxy S?	2OR3S* AND NEB
May 13 2007 8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F		
NGC 3458	UMa	H268-1	Galaxy SAB0:	VB,VS,R,STELLAR
Apr 09 2010 12"	11mmT6	PB,CS,R,BNUC,R=G		
NGC 3465	Dra	H967-3	Non-Existent	EF,PL,R,VGLBM,**NF
Jul 13 2013 18"	7mm TV	VF,PS,OVAL,MEXT,UB,NND,R=F		
Feb 23 2006 31"	17mmT4	MF,FS,R,FNUC,MSB,R=F		
NGC 3471	UMa	H972-3	Galaxy Sa	VF,S,R,BM
Apr 09 2010 12"	11mmT6	PF,CS,OVAL,UB,NND,R=F		
NGC 3485	Leo	H100-2	Galaxy SB(r)b:	F,L,R,GLBM,R
Apr 19 2007 31"	17mmT4	B,L,OVAL,UB,FNUC,R=G		

Observations Listing by Catalog Number

NGC 3486	LMi	H87-1	Galaxy SAB(r)c	CB,CL,R,GMBM
May 15 2017 12"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F		
Mar 13 2007 8"	11mmT6	VF,CL,R,NND,AV,R=F		
Mar 23 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 3487	Leo		Galaxy Sb? sp	EEF,PS,R, V DIFFIC
Apr 19 2007 31"	17mmT4	B,L,EL,OVAL,UB,NND,RR=F		
NGC 3489	Leo	H101-2	Galaxy SAB(rs)0+	VB,PL,LE80,SMBMN
Apr 26 2006 8"	11mmT6	FB,FS,OVAL,UB,FNUC,R=G		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 3490	Leo		Galaxy E	VF,S
Apr 19 2007 31"	17mmT4	CF,PS,R,UB,NND,R=F		
NGC 3491	Leo	H21-3	Galaxy S0-:	EF,CS,R,BMN
Apr 19 2007 31"	17mmT4	CB,CL,R,BNUC,HISB,R=F		
NGC 3492	Leo		Galaxy S?	PF,S,*9P20S,1'S
Apr 19 2007 31"	17mmT4	PB,L,OVAL,UB,FNUC,R=G		
NGC 3495	Leo	H498-3	Galaxy Sd:	VF,PL,ME
Apr 19 2007 31"	17mmT4	B,PL,EON,FNUC,MHISB,R=G		
NGC 3497	Crt	H824-3	Galaxy SA(s)0^:	VF,VS,IR,GLBM
Apr 14 2016 12"	8mm Ds	VF,PS,OVAL,NND,AV,R=F, LOW ON HORIZON		
NGC 3501	Leo		Galaxy Scd:	VF,ME NS,GBM,3'LONG
Apr 19 2007 31"	17mmT4	B,L,EON,UB,NND,R=G		
NGC 3504	LMi	H88-1	Galaxy (R)SAB(s)ab	B,L,E,MBMN,RR,P OF 2
Mar 29 2006 8"	11mmT6	F,S,R,UB,R=F		
NGC 3506	Leo	H22-3	Galaxy Sc:	VF,CS,R,VGVLBM
Apr 19 2007 31"	17mmT4	PB,L,R,FNUC,MHISB,R=G		
NGC 3507	Leo	H7-4	Galaxy SB(s)b	CF,PL,R,SBMS*,*9ATT
Mar 06 2005 8"	11mmT6	DIFF,VF,MS,OVAL,NND,AV,R=F		
NGC 3509	Leo	H598-3	Galaxy SA(s)bc pec	EF,S,(LE)
Apr 19 2007 31"	17mmT4	B,PL,EL,OVAL,FNUC,MHISB,R=G		
NGC 3510	LMi	H365-2	Galaxy SB(s)m sp	F,L,CE,*7NF8'
Mar 20 2007 8"	11mmT6	PF,L,EON,NND,AV,R=F		
NGC 3511	Crt	H39-5	Galaxy SA(s)c	VF,VL,ME
Mar 01 2011 12"	11mmT6	PF,PS,EON,UB,NND,R=F		
Jun 07 2010 12"	11mmT6	CF,PS,EON,UB,NND,R=F		

Observations Listing by Catalog Number

NGC 3512	LMi	H366-2	Galaxy SAB(rs)c	F,PS,R,PGBM,F OF 2
Mar 20 2007 8"	11mmT6	VF,VS,R,NND,AV,R=F		
NGC 3513	Crt	H40-5	Galaxy SB(rs)c	VF,VL,ME
Mar 01 2011 12"	11mmT6	PF,PS,OVAL,UB,NND,R=F		
NGC 3516	UMa	H336-2	Galaxy (R)SB(s)0^:	PB,VS,IR,PSMBM*
Jul 14 2010 12"	7.5mmW	PF,CS,OVAL,FNUC,R=F		
NGC 3521	Leo	H13-1	Galaxy SAB(rs)bc	CB,CL,ME140,VSMBMN
Apr 26 2006 8"	11mmT6	PB,PL,OVAL,BNUC,HISB,R=G		
May 12 2004 8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS!	MSV5	
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 3522	Leo		Galaxy E	PF,VS,LE
Apr 19 2007 31"	17mmT4	PB,PS,OVAL,FNUC,R=G		
NGC 3523	Dra	H904-2	Galaxy Sbc	F,PL,LBM,
Jul 13 2013 18"	7mm TV	VF,PS,R,UB,NND,AV,R=F		
Feb 23 2006 31"	17mmT4	DIFF,B,ML,R,NND,R=F		
NGC 3524	Leo	H23-3	Galaxy S0/a	F,S,LE,PSBM,2*NPLINE
Apr 19 2007 31"	17mmT4	PB,PL,EON,BNUC,HISB,R=G		
NGC 3531	Leo		Non-Existent	E50,*11SPEND,(=3526)
Apr 19 2007 31"	17mmT4	B,PL,EON,UB,NND,R=F		
NGC 3534	Leo		Galaxy Sb	VF,*9NP 3'
Apr 19 2007 31"	17mmT4	CF,PL,EL,OVAL,UB,NND,R=G		
NGC 3535	Leo	H111-3	Galaxy SA(s)a pec:	CF,VS,R,BM,R
Apr 19 2007 31"	17mmT4	PB,CS,OVAL,BNUC,R=G		
NGC 3547	Leo	H42-2	Galaxy Sb:	F,S,LE,VLBM
Apr 19 2007 31"	17mmT4	PB,L,UB,NND,R=G		
NGC 3551	Leo		Galaxy	EEF,VS,R,SP OF 2
Apr 19 2007 31"	17mmT4	CF,CS,OVAL,UB,NND,R=F		
NGC 3555	Leo		Galaxy E?	VF,R,NF OF 2
Apr 19 2007 31"	17mmT4	PF,PS,R,UB,NND,R=F		

Observations Listing by Catalog Number

NGC 3556	UMa	M108 H46-5	Galaxy SB(s)cd sp	CB,VL,VME79,PBM,R
Jul 15 2015 12"	17mmT4			
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		
Mar 08 2007 1.9"	12x50	F,S,EON,NND,R=F		
Aug 20 2006 1.9"	12x50	PF,PS,OVAL,NND,R=F		
Mar 19 2006 8"	19mmW	FB,FL,EL,EON,RNUC,R=G		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Dec 26 2003 8"	25mmPL	Q/M COLD		
NGC 3559	Leo	H79-3	Galaxy S pec	EF,PS,LE,R
Apr 19 2007 31"	17mmT4	B,PL,OVAL,UB,NND,R=F		
NGC 3562	Dra	H337-2	Galaxy E	PF,PS,LE,GBM,*70"NP
Aug 31 2010 12"	7mm TV	CF,PS,OVAL,PATCH,NND,AV,R=F. PA=135		
NGC 3563	Leo		Galaxy SB0:	PF,PL,*8M2'N
Apr 19 2007 31"	17mmT4	PB,PL,OVAL,FNUC,MHISB,R=G		
NGC 3563A	Leo		Non-Existent	
Apr 19 2007 31"	17mmT4	PB,PS,OVAL,FNUC,R=F		
NGC 3563B	Leo		Galaxy S0-a	
Mar 08 2013 18"	8.8 ES	VF,PS,OVA,,UB,NND,R=F, PAIRED W/NGC-3563A		
NGC 3567	Leo	H89-3	Galaxy S0 pec	EF,R,SBM,R
Mar 08 2013 18"	8.8 ES	VF,PS,OVAL,UB,NND,R=F		
NGC 3574	Leo		Galaxy S?	EF
Mar 08 2013 18"	8.8 ES	VF,PS,R,UB,NND,R=F		
NGC 3575	Leo		Non-Existent	PB,PL,R,*11P
Apr 14 2016 12"	8mm Ds	PF,PS,OVAL,UB,NND,R=F		
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
NGC 3583	UMa	H728-2	Galaxy SB(s)b	PB,PL,R,VGMBM
Jul 14 2010 12"	7.5mmW	DIFF,CF,PS,OVAL,UB,NND,R=F		
NGC 3585	Hya	H269-2	Galaxy E6	B,PL,E,VSMBMN,2B*TRI
Mar 29 2006 8"	11mmT6	B,L,OVAL,FNUC,R=F		

Observations Listing by Catalog Number

NGC	3587	UMa	M97	Planetary Neb 3a	PLN,VB,VL,R,VVG,VSBM
	Apr 14 2016 12"	8mm Ds		PRETTY FAINT. NO FILTER USED.	
	Aug 15 2015 12"	11mmT6			
	May 23 2015 12"	11mmT6			
	Jul 13 2013 18"	7mm TV		MORE EYE CANDY	
	May 23 2012 18"	17mmAT		EYE CANDY	
	Mar 16 2012 18"	17mmAT		2012 M.M.	
	Jul 04 2011 12"	11mmT6		LAST OBJECT OF THE NIGHT. BACK TO WORK.	
	Mar 01 2011 12"	17mmAT		M.M. 2011 - MANUAL SETTING CIRCLES	
	Mar 08 2010 12"	26mm		M.M. 2010 MANUAL SETTING CIRCLES	
	Mar 20 2009 16"	26mm		MESSIER MARATHON - 2009	
	Mar 08 2007 1.9"	12x50		B,R,R=G. LOOKS STELLAR	
	Aug 20 2006 1.9"	12x50		PF,VS,AV,R=F	
	Mar 19 2006 8"	19mmW		PB,L,R,R=G	
	Mar 19 2004 8"	25mmPL		2004 MESSIER MARATHON - ARGO NAVIS	
	Dec 26 2003 8"	25mmPL		Q/M COLD	
NGC	3592	Leo		Galaxy Sc? sp	EF,S,PME60
	Mar 08 2013 18"	8.8 ES		PF,PS,EON,UB,NND,R=F	
NGC	3593	Leo	H29-1	Galaxy SA(s)0/a:	B,CL,E90,PSMBM
	Apr 26 2006 8"	11mmT6		F,L,EON,NND,R=F	
	Apr 14 2004 8"	25mmPL		CLEAR NIGHT - MEGASTAR CONTROL	
NGC	3596	Leo	H102-2	Galaxy SAB(rs)c	PF,L,R,GLBM
	Mar 06 2005 8"	11mmT6		VF,VS,OVAL,NND,AV,R=F	
NGC	3598	Leo		Galaxy S0-:	F,VS,STELL,*N
	Mar 16 2010 12"	11mmT6		CF,PS,OVAL,UB,NND,R=F	
NGC	3599	Leo	H49-2	Galaxy SA0:	B,PS,R,PGMBM
	Apr 05 2005 8"	11mmT6		VF,VS,OVAL,NND,AV,R=F	
NGC	3604	Leo	H626-2	Galaxy	PB,S,LE,MBM
	May 13 2007 8"	11mmT6		VF,PS,R,NND,AV,R=F	
NGC	3605	Leo	H27-3	Galaxy E4-5	F,S,R,SP OF 3
	May 13 2007 8"	11mmT6		PF,PS,R,NND,R=F	
NGC	3607	Leo	H50-2	Galaxy SA(s)0^:	VB,L,R,VMBM,2ND OF 3
	Apr 26 2006 8"	11mmT6		PB,L,R,BNUC,HISB,R=G	
	May 12 2004 8"	25mmPL		L.P. LOUSY-MAG. 9.5 TOPS! MSV5	
	Mar 10 2004 8"	25mmPL		N/M, NO COMPUTER	
NGC	3608	Leo	H51-2	Galaxy E2	B,PL,R,PSBM,3RD OF 3
	Apr 26 2006 8"	11mmT6		B,CL,OVAL,NND,R=F	
	Mar 10 2004 8"	25mmPL		N/M, NO COMPUTER	

Observations Listing by Catalog Number

NGC 3610	UMa	H270-1	Galaxy E5:	VB,PS,LE90,VSVMBMSN
Mar 17 2007 8"	11mmT6	PB,S,R,BNUC,R=G		
Mar 13 2007 8"	11mmT6	PF,PS,R,NND,R=F		
NGC 3611	Leo	H521-2	Galaxy SA(s)a pec	PF,CS,IR,PSMBM,*NP3'
Apr 09 2008 8"	11mmT6	PF,PS,OVAL,NND,LSB,R=F		
NGC 3613	UMa	H271-1	Galaxy E6	VB,CL,ME305,SMBMN
Mar 17 2007 8"	11mmT6	F,PS,OVAL,FNUC,R=G		
NGC 3619	UMa	H244-1	Galaxy (R)SA(s)0+:	CB,CL,R,VGMBM
Mar 17 2007 8"	11mmT6	F,PS,R,NND,R=F		
NGC 3621	Hya	H241-1	Galaxy SA(s)d	CB,VL,E160,AM4*
Mar 18 2007 8"	11mmT6	PF,PL,OVAL,NND,AV,R=F		
NGC 3622	UMa	H879-2	Galaxy S?	PB,S,R,GBM
Jul 14 2010 12"	7.5mmW	VF,CS,OVAL,MEXT,UB,NND,AV,R=F		
NGC 3623	Leo	M65	Galaxy SAB(rs)a	B,VL,ME165,GBMBN
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Apr 15 2007 31"	32mmUW	VB,VL,EON,BNUC,HISB,R=E		
Mar 10 2007 1.9"	12x50	VF,PS,OVAL,NND,AV,R=F		
Mar 19 2006 8"	19mmW	PB,L,EL,OVAL,FNUC,R=G		
May 12 2004 8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Feb 25 2004 8"	25mmPL	1ST. QTR.		
NGC 3624	Leo		Galaxy SB(r)b	EF
Apr 15 2007 31"	17mmT4	PF,S,OVAL,NND,R=F		
NGC 3626	Leo	H52-2	Galaxy S0-a	B,S,VLE,SBM
Apr 26 2006 8"	11mmT6	B,PS,OVAL,FNUC,MSB,R=F		
Mar 10 2004 8"	25mmPL	N/M, NO COMPUTER		
NGC 3627	Leo	M66	Galaxy SAB(s)b	B,VL,ME150,MBM,2*NP
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Apr 15 2007 31"	32mmUW	VB,PL,EL,OVAL,BNUC,HISB,R=G		
Mar 10 2007 1.9"	12x50	B,PL,OVAL,NND,R=G		
Mar 19 2006 8"	19mmW	PB,PL,EL,OVAL,BNUC,R=G		
Apr 04 2005 8"	11mmT6	VB,ML,EL,EON,NUC,HISB,R=E		
May 12 2004 8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Feb 25 2004 8"	25mmPL	1ST. QTR.		

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NGC 3628	Leo	H8-5	Galaxy Sb pec sp	PB,VL,VME102
Apr 26 2006 8"	11mmT6	PF,CL,EON,NND,R=F		
May 12 2004 8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS!	MSV5	
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
NGC 3629	Leo	H338-2	Galaxy SA(s)cd:	CF,L,R,VGVLBM
Apr 15 2007 31"	17mmT4	F,PL,OVAL,NND,R=F		
NGC 3630	Leo		Galaxy S0 sp	PB,S,R,SMBMN
Apr 15 2007 31"	17mmT4	VB,PL,EONB,BNUC,HISB,R=G		
NGC 3631	UMa	H226-1	Galaxy SA(s)c	PB,L,R,SVMBMRN
Mar 17 2007 8"	11mmT6	B,PL,R,FNUC,R=G		
NGC 3633	Leo		Galaxy SAa: sp	VF,S,R,2ST NR
Apr 15 2007 31"	17mmT4	PB,L,EON,UB,NND,R=F		
NGC 3636	Crt	H550-2	Galaxy E0	F,VS,R,LBM,*7F,P OF2
Mar 01 2011 12"	7mm TV	F,CS,R,BNUC,R=G		
NGC 3637	Crt	H551-2	Galaxy (R)SB(r)0^	F,VS,R,PSBM,*7P,FOF2
Mar 01 2011 12"	7mm TV	F,CS,R,BNUC,R=G		
NGC 3639	Leo		Galaxy S?	PF,S,R,VLBM,15'F2376
Apr 15 2007 31"	17mmT4	B,L,OVAL,UB,NND,R=F		
NGC 3640	Leo	H33-2	Galaxy E3	B,PL,R,PSBM
Apr 15 2007 31"	17mmT4	PB,L,R,BNUC,HISB,R=G		
Apr 26 2006 8"	11mmT6	PB,L,OVAL,FNUC,MSB,R=G		
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
NGC 3641	Leo		Galaxy E pec	F,VS,ALMSTEL,3640N2'
Apr 15 2007 31"	17mmT4	PB,S,R,BNUC,HISB,R=G		
NGC 3642	UMa	H245-1	Galaxy SA(r)bc:	PB,PL,R,VGBM
Mar 17 2007 8"	11mmT6	F,PL,OVAL,NND,R=F		
NGC 3643	Leo		Galaxy SB(r)0+: sp	EF,VS
Apr 15 2007 31"	17mmT4	F,L,OVAL,UB,NND,R=F		
Mar 17 2007 8"	11mmT6	F,PS,OVAL,FNUC,R=F		
NGC 3644	Leo		Galaxy (R')SBa pec:	VF,VS
Apr 15 2007 31"	17mmT4	PF,S,EL,OVAL,UB,NND,R=F		
NGC 3646	Leo	H15-3	Galaxy Ring	CF,CL,LE,GBM,SP OF 2
May 13 2007 8"	11mmT6	CF,PS,OVAL,NND,R=F		
NGC 3651	Leo	H335-3	Galaxy E	CF,VS,R,BM,NP OF 2
Apr 26 2008 31"	17mmT4	PB,S,OVAL,UB,NND,R=F		

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NGC 3652	UMa	H775-2	Galaxy Scd?	PF,CL,LE,VGBM
Mar 28 2011 12"	5mm TV	PF,PS,OVAL,UB,NND,R=F,PA=115		
NGC 3653	Leo	H336-3	Galaxy S0?	VF,VS,SF OF 2
Apr 26 2008 31"	17mmT4	PB,S,OVAL,NND,MSB,R=F		
NGC 3654	UMa	H880-2	Galaxy S?	F,S,LE15
May 30 2014 18"	8mm Ds	PF,PS,OVAL,MEXT,UB,NND,R=F		
NGC 3655	Leo	H5-1	Galaxy SA(s)c:	PB,PS,IR,BM,R
Mar 13 2007 8"	11mmT6	VF,VS,R,NND,AV,R=F		
NGC 3656	UMa	H782-2	Galaxy (R')I0: pec	PB,S,R,VGBM,*12P
May 30 2014 18"	8mm Ds	PF,PS,R,UB,NND,R=F		
NGC 3657	UMa	H768-3	Galaxy SAB(rs)c pec	CF,VS,R,STELLAR
May 30 2014 18"	8mm Ds	PF,PS,R,UB,NND,R=F		
NGC 3659	Leo	H53-2	Galaxy SB(s)m?	CF,S,LE,R
Apr 13 2005 31"	11mmT6	MB,ML,EL,OVAL,NND,MSB,R=G		
NGC 3662	Leo	H4-4	Galaxy SAB(r)bc pec	VF,S,ATT TO*13M
Mar 30 2014 18"	7mm TV	VF,VS,OVAL,NND,R=F		
NGC 3664	Leo		Galaxy SB(s)m pec	PF,BIN
Mar 17 2010 12"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 3665	Leo	H219-1	Galaxy SA(s)0^	CB,CL,IR,PGMBM
Mar 17 2007 8"	11mmT6	PB,L,OVAL,BNUC,R=G		
NGC 3666	Leo	H20-1	Galaxy SA(rs)c:	F,E90,*6F34S,5'N
May 13 2007 8"	11mmT6	CF,PS,EON,NND,R=F		
NGC 3668	UMa	H845-2	Galaxy Sbc	F,PS,IR,GBM,*9NP
Jul 14 2010 12"	7.5mmW	VF,CS,R,UB,NND,AV,R=F		
NGC 3669	UMa	H829-2	Galaxy SBcd: sp	VF,PL,PME135,ER
Jul 14 2010 12"	7.5mmW	VF,CS,EON,UB,NND,AV,R=P		
NGC 3672	Crt	H131-1	Galaxy SA(s)c	PB,L,E0,GBM
Mar 01 2011 12"	7mm TV	PF,PS,OVAL,PEXT,UB,NND,R=F		
NGC 3674	UMa	H886-2	Galaxy S0 sp	PF,IF
May 30 2014 18"	8mm Ds	PF,PS,OVAL,EEXT,UB,NND,R=F,PA=25		
NGC 3675	UMa	H194-1	Galaxy SA(s)b	VB,CL,VME0,VSMBMN
Mar 17 2007 8"	11mmT6	PB,PL,EL,OVAL,BNUC,R=G		

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NGC 3678 Mar 30 2014 18"	Leo 7mm TV	H112-3 VF,VS,OVAL,NND,AV3,R=P	Galaxy Sbc	VF,S,R,PSBM,*12NF
NGC 3679 Mar 30 2014 18"	Leo 7mm TV	H112-3 VF,VS,OVAL,NND,AV1,R=P	Galaxy Sbc	EF,CL,R,R,VNR VB*
NGC 3681 May 13 2007 8"	Leo 11mmT6	H159-2 CF,CS,R,NND,AV,R=P	Galaxy SAB(r)bc	B,PS,R,BM
NGC 3682 Aug 31 2010 12"	Dra 7mm TV	H262-1 PF,CS,OVAL,MEXT,UB,NND,R=F. PA=75	Galaxy SA(s)0/a:?	CB,S,IR,SPMBMN
NGC 3683 Mar 28 2011 12"	UMa 5mm TV	H246-1 VF,PS,OVAL,UB,NND,AV,R=F	Galaxy SB(s)c?	CB,PL,E
NGC 3684 May 13 2007 8"	Leo 11mmT6	H160-2 PF,PS,OVAL,NND,R=F	Galaxy SA(rs)bc	PB,PL,E,VGBM
NGC 3686 Apr 26 2006 8"	Leo 11mmT6	H160-2 VF,PS,OVAL,NND,AV,R=F	Galaxy SB(s)bc	PB,L,VLE,VGBM,R
NGC 3689 Apr 14 2016 12" May 13 2007 8"	Leo 8mm Ds 11mmT6	H339-2 PF,PS,OVAL,MEXT,NND,R=F F,VS,R,NND,AV,R=F	Galaxy SAB(rs)c	PB,PL,LE,BM
NGC 3690 Jun 22 2012 18"	UMa 8.8 ES	H247-1 PF,PS,OVAL,UB,NND,R=F,PAIRED W/IC-694	Galaxy IBm pec	PB,PS,VLE80,PGBM
NGC 3691 Apr 14 2016 12"	Leo 8mm Ds	H54-2 VF,VS,OVAL,NND,AV,R=F	Galaxy SBb?	F,PS,LE,R
NGC 3692 Apr 14 2016 12"	Leo 8mm Ds	H152-2 VF,VS,EON,UB,NND,R=F	Galaxy Sb	F,ME,R
NGC 3693 Mar 01 2011 12"	Crt 5.5mmN	H532-3 VF,VS,EON,UB,NND,AV,R=F	Galaxy (R')SA(r)b:	CF,S,E,GBM
NGC 3697 Mar 30 2014 18" Apr 26 2008 31"	Leo 7mm TV 17mmT4	H349-2 VF,VS,EON,UB,NND,AV1,R=F,PA=95 DIFF,PF,PL,EON,UB.NND,R=G	Galaxy SABb	EF,VS,E90
NGC 3701 Mar 30 2014 18"	Leo 7mm TV	H349-2 VF,PS,OVAL,MEXT,UB,NND,AV,R=F,PA=135	Galaxy Sbc	PF,PL,LE
NGC 3705 May 13 2007 8"	Leo 11mmT6	H13-2 PF,CS,OVAL,NND,R=F	Galaxy SAB(r)ab	PF,PL,R,VSMBM,R
NGC 3710 May 14 2010 31"	Leo 17mmT4	H350-2 PB,PS,R,BNUC,HSB,R=G	Galaxy E	F,S,*7,8NF 5'

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NGC 3713 May 14 2010 31"	Leo 17mmT4	H367-2 PB,PS,OVAL,MEXT,BNUC,HSB,R=G	Galaxy S0-:	F,CS,R,SBMN
NGC 3716 May 14 2010 31"	Leo 17mmT4	PF,PS,OVAL,MEXT,UB,FNUC,R=F	Galaxy (R)SAB0^?	VF,VS
NGC 3718 May 23 2012 18" Feb 23 2006 31"	UMa 8.8 ES 17mmT4	F,S,OVAL,MEXT,UB,NND,R=F VB,VL,OVAL,BNUC,HISB,R=G	Galaxy SB(s)a pec	PB,VL,R,VGLBM
NGC 3726 Mar 17 2007 8"	UMa 11mmT6	PF,PL,OVAL,NND,R=F	Galaxy SAB(r)c	PB,VL,LE0,VSMBM,*11N
NGC 3729 Feb 23 2006 31"	UMa 17mmT4	FB,FL,R,BNUC,HISB,R=G	Galaxy SB(r)a pec	PB,PL,LE0,GBM,*12NR
NGC 3732 Mar 01 2011 12"	Crt 5.5mmN	CF,CS,R,UB,NND,R=F	Galaxy SB0-a	F,S,R,PSBM,*14SP
NGC 3735 Aug 31 2010 12" Aug 29 2010 12"	Dra 7mm TV 7mm TV	CF,PS,EON,UB,NND,R=F. PA=90 CF,PS,EON,UB,NND,R=F. PA=90	Galaxy SAc: sp	PB,L,ME130,MBM
NGC 3736 Jul 13 2013 18"	Dra 7mm TV	PF,PS,OVAL,NND,AV,R=F	Galaxy Sb	VF,VS,R
NGC 3738 Jun 22 2012 18"	UMa 8.8 ES	B,PS,OVAL,MEXT,UB,NND,R=F	Galaxy Im	PB,PL,BM
NGC 3752 Jul 13 2013 18"	Dra 7mm TV	PF,PS,OVAL,MEXT,NND,R=F	Galaxy Sab	PB,PL
NGC 3756 Mar 01 2011 12"	UMa 11mmT6	PF,PS,OVAL,MEXT,UB,NND,R=F	Galaxy SAB(rs)bc	PF,L,LE
NGC 3760 Mar 30 2014 18"	Leo 7mm TV	B,PS,EON,BNUC,R=G,PA=45	Non-Existent	B,PS,MBMN=*13,*11 NR
NGC 3773 Apr 18 2012 18"	Leo 8.8 ES	PF,PS,OVAL,UB,NND,R=F	Galaxy S0	CF,CS,R,PSBM
NGC 3776 May 10 2005 31"	Vir 11mmT6	VF,S,OVAL,NND,R=F	Galaxy Sb	EF,VS
NGC 3790 May 14 2010 31"	Leo 17mmT4	PB,CS,OVAL,UB,FNUC,R=G	Galaxy S0/a	CF,VS,PME,SBM,1STOF3

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NGC 3801	Leo	H161-2	Galaxy S0?	PF,PL,R,BM,R,2ND OF3
May 14 2010 31"	17mmT4	PB,PL,OVAL,MEXT,BNUC,HSB,R=G		
May 13 2007 8"	11mmT6	PF,PS,OVAL,NND,R=F		
NGC 3802	Leo	H30-3	Galaxy S	VF,PS,2VB*P,3RD OF3
May 14 2010 31"	17mmT4	PB,PS,EON,UB,DNUC,R=G		
NGC 3803	Leo		Galaxy	VF,S,R
May 14 2010 31"	17mmT4	EF,VS,R,NND,AV,R=P		
NGC 3807	Leo		Galaxy	VF, S, R (VF*?)
May 14 2010 31"	17mmT4	DIFF,CF,CS,R,UB,NND,R=F		
NGC 3810	Leo	H21-1	Galaxy SA(rs)c	B,L,VLE
Apr 18 2012 18"	8.8 ES	PF,S,OVAL,FNUC,R=G		
Apr 26 2006 8"	11mmT6	PF,L,OVAL,UB,NND,R=F		
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
NGC 3812	Leo	H320-3	Galaxy E	CF,VS,R,1STOF3,*6SF
Apr 28 2006 31"	19mmW	CB,PL,R,FNUC,R=G		
NGC 3813	UMa	H94-1	Galaxy SA(rs)b:	CB,PL,PME90,BM
Mar 17 2007 8"	11mmT6	CF,CS,OVAL,NND,R=F		
NGC 3814	Leo		Galaxy S0	VS,NEBS*,P 3815
Apr 28 2006 31"	19mmW	VF,PS,EL,OVAL,NND,R=F		
NGC 3815	Leo	H339-3	Galaxy Sab	CF,S,3RD OF 3
Apr 28 2006 31"	19mmW	CB,PL,OVAL,UB,NND,R=F		
NGC 3816	Leo		Galaxy S0	F,S,BM
Apr 28 2006 31"	19mmW	CB,CL,EL,OVAL,UB,NND,R=F		
NGC 3817	Leo		Galaxy SB0/a	F,1ST OF 4
May 18 2007 31"	17mmT4	VF,CS,OVAL,NND,AV,R=F		
NGC 3818	Vir	H284-3	Galaxy E5	F,PS,R,PSBM
Apr 02 2008 8"	11mmT6	B,S,OVAL,FNUC,R=F		
Apr 04 2005 8"	11mmT6	MF,EL,EON,NND,R=F		
NGC 3819	Leo		Galaxy E?	VF,2ND OF 4
May 18 2007 31"	17mmT4	PF,CS,OVAL,NND,R=F		
NGC 3820	Leo		Galaxy S?	EF,VS,3819 S
May 18 2007 31"	17mmT4	VF,VS,R,NND,AV,R=F		
NGC 3822	Vir	H153-2	Galaxy S0?	PF,PS,3RD OF 4
May 18 2007 31"	17mmT4	PF,PS,OVAL,NND,R=F		

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NGC 3825 May 18 2007 31"	Vir 17mmT4	H154-2 PF,CS,OVAL,NND,R=F	Galaxy SBa	PF,PS,4TH OF 4
NGC 3833 May 18 2007 31"	Vir 17mmT4	H102-3 DIFF,PF,PL,OVAL,NND,R=F	Galaxy Sc	EF,PS
NGC 3839 May 28 2006 31"	Leo 19mmW	PF,PS,OVAL,NND,R=F	Galaxy Sdm:	VF,S,R,LBM
NGC 3848 May 18 2007 31"	Vir 17mmT4	H35-3 PB,PS,OVAL,UB,NND,R=G	Galaxy Sc	EF,VS
NGC 3857 May 07 2007 31"	Leo 17mmT4	PB,PL,EL,OVAL,FNUC,MSB,R=G	Galaxy S0?	VF,VS,MBM
NGC 3859 May 07 2007 31"	Leo 17mmT4	PB,PL,EON,UB,NND,R=G	Galaxy S?	EF,VS,R,LBM,(R)
NGC 3860 May 07 2007 31"	Leo 17mmT4	H386-3 PB,PL,OVAL,UB,FNUC,R=G	Galaxy S?	VF,VS,RESOLVABLE
NGC 3861 May 07 2007 31"	Leo 17mmT4	PB,PL,OVAL,FNUC,MSB,R=G	Galaxy (R')SAB(r)b	F,S,R,BM
NGC 3862 May 13 2007 8" May 13 2007 8" May 07 2007 31"	Leo 11mmT6 11mmT6 17mmT4	H385-3 CF,CS,EON,NND,R=F VF,VS,R,NND,AV,R=F PB,PL,R,FNUC,HISB,R=G	Galaxy E	VF,VS,R,*17N
NGC 3864 May 07 2007 31"	Leo 17mmT4	PF,PS,OVAL,NND,AV,R=F	Galaxy S?	EF,VS,R
NGC 3867 May 07 2007 31"	Leo 17mmT4	PB,PL,OVAL,UB,NND,R=G	Galaxy S?	F,S,IRRR,MBM,S OF 2
NGC 3868 May 07 2007 31"	Leo 17mmT4	PB,PS,OVAL,UB,NND,R=F	Galaxy S?	VF,VS,R,MBM,N OF 2
NGC 3869 May 07 2007 31"	Leo 17mmT4	PB,PL,EON,FNUC,HISB,R=G	Galaxy Sa	F,S,IR,PSBM
NGC 3872 Apr 18 2012 18" May 07 2007 31"	Leo 8.8 ES 17mmT4	H104-2 PF,PS,OVAL,FNUC,R=F CB,PL,R,BNUC,HISB,R=G	Galaxy E5	B,S,R,SMBM*
NGC 3873 May 07 2007 31"	Leo 17mmT4	PB,PL,R,FNUC,MSB,R=G	Galaxy E	VF,PS,LE,3875 SF

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NGC 3875 May 07 2007 31"	Leo 17mmT4	H387-3 PB,PL,EON,UB,FNUC,R=G	Galaxy S0/a	VF,VS,RESOLVABLE
NGC 3877 Apr 14 2010 16" Mar 17 2007 8"	UMa 11mmT6 11mmT6	H201-1 PB,PL,EON,FNUC,R=G PF,PL,EON,NND,R=F	Galaxy SA(s)c:	B,L,ME37
NGC 3879 Feb 23 2006 31"	Dra 17mmT4	H881-2 FB,FL,EON,FNUC,MSB,R=G	Galaxy Sdm:	F,PL,ME105
NGC 3883 May 07 2007 31"	Leo 17mmT4	H372-3 DIFF,PF,CL,OVAL,NND,R=F	Galaxy SA(rs)b	VF,CL
NGC 3884 May 07 2007 31"	Leo 17mmT4	H388-3 PB,PL,OVAL,UB,FNUC,MSB,R=G	Galaxy SA(r)0/a	CF,S,IR,GBM,R,*7SP6'
NGC 3886 May 07 2007 31"	Leo 17mmT4	H388-3 PB,PS,EON,UB,FNUC,R=G	Galaxy S0-:	F
NGC 3887 Mar 01 2011 12"	Crt 11mmT6	H120-1 DIFF,PF,PS,OVAL,UB,NND,R=F	Galaxy SB(r)bc	PB,L,IR,VGPMBM
NGC 3888 Mar 17 2007 8"	UMa 11mmT6	H785-2 PF,PS,UB,NND,R=F	Galaxy SAB(rs)c	PB,S,LE,PGBM
NGC 3890 Jul 13 2013 18" Feb 23 2006 31"	Dra 7mm TV 17mmT4	H940-3 VF,VS,OVAL,UB,NND,AV1,R=F FB,FL,R,BNUC,FHISB,R=G	Galaxy S?	VF,S,R,BM
NGC 3892 Mar 01 2011 12"	Crt 11mmT6	H553-2 PF,PS,OVAL,MEXT,UB,NND,R=F	Galaxy SB(rs)0+	PB,PL,R,GBM,R
NGC 3893 Mar 17 2007 8"	UMa 11mmT6	H738-2 VF,PS,OVAL,NND,AV,R=F	Galaxy SAB(rs)c:	B,PL,R,MBM
NGC 3898 Mar 17 2007 8"	UMa 11mmT6	H228-1 PB,PS,OVALFNUC,R=G	Galaxy SA(s)ab	B,PL,LE,SVMBM
NGC 3900 Mar 29 2006 8"	Leo 11mmT6	H82-1 F,L,OVAL,NND,R=F	Galaxy SA(r)0+	B,PL,VLE0,BMN
NGC 3901 May 25 2014 18"	Cam 8mm Ds	H970-3 VF,PS,OVAL,VEXT,UB,NND,R=F	Galaxy Scd:	PF,PL,RESOLVABLE
NGC 3902 May 07 2007 31"	Leo 17mmT4	H321-3 DIFF,PF,PL,OVAL,NND,R=F	Galaxy SAB(s)bc:	F,PS,LE,VGLBM
NGC 3910 May 07 2007 31"	Leo 17mmT4	H391-3 PB,PS,OVAL,DNUC,MSB,R=G	Galaxy S0-:	S,R,MBM,*10,11N50"

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NGC 3911 May 07 2007 31"	Leo 17mmT4	H341-3 DIFF,PF,PL,OVAL,NND,AV,R=F	Galaxy SB?	VF,S,P OF 2
NGC 3912 Mar 29 2006 8"	Leo 11mmT6	H342-2 VF,VS,OVAL,NND,AV,R=F	Galaxy SAB(s)b? pec	F,PL,R,PGBM
NGC 3919 May 07 2007 31"	Leo 17mmT4	H342-2 PB,PS,R,BNUC,HISB,R=G	Galaxy E	F,S,R
NGC 3920 May 07 2007 31"	Leo 17mmT4	H342-2 PB,PL,R,UB,NND,R=G	Galaxy S?	NEB,F OF 2
NGC 3923 Mar 01 2011 12"	Hya 11mmT6	H259-1 PF,PS,OVAL,UB,NND,R=F	Galaxy E4-5	B,PL,LE,GMBM,R,VS*SP
NGC 3925 May 07 2007 31"	Leo 17mmT4	H342-2 PF,PS,OVAL,UB,NND,R=F	Galaxy SAB0/a	VF,VS
NGC 3926A May 07 2007 31"	Leo 17mmT4	H379-3 PB,S,R,UB,NND,R=F	Galaxy E/S0	EF,ES,VLE,ER,ST NR
NGC 3926B May 07 2007 31"	Leo 17mmT4	H379-3 PB,PS,OVAL,UB,NND,R=G	Galaxy E/S0	EF,ES,VLE,ER,ST NR
NGC 3929 May 07 2007 31"	Leo 17mmT4	H379-3 PB,PS,OVAL,UB,NND,R=F	Galaxy E?	CL,S,ST F,VC
NGC 3933 May 07 2007 31"	Leo 17mmT4	H379-3 PF,PS,OVAL,UB,NND,R=F	Galaxy S?	PF,LE
NGC 3934 May 07 2007 31"	Leo 17mmT4	H379-3 PF,PS,R,UB,NND,R=F	Galaxy S?	EF,R
NGC 3937 May 07 2007 31"	Leo 17mmT4	H389-3 PB,PL,OVAL,UB,FNUC,MSB,R=G	Galaxy S0-:	EF, VS, 3937 F 12S
NGC 3938 Mar 17 2007 8"	UMa 11mmT6	H203-1 DIFF,PF,PL,OVAL,NND,R=F	Galaxy SA(s)c	B,VL,R,BMPBN,ER
NGC 3940 May 07 2007 31"	Leo 17mmT4	H380-3 PB,PL,R,FNUC,HISB,R=G	Galaxy E	VF,CS,R
NGC 3941 Mar 17 2007 8"	UMa 11mmT6	H173-1 PB,CS,OVA,,BNUC,R=G	Galaxy SB(s)0^	VB,PL,R,SMBM*9
NGC 3943 May 07 2007 31"	Leo 17mmT4	H379-3 PB,PL,R,UB,NND,R=G	Galaxy S?	PF,PS,E,*8P24S

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NGC 3945 Mar 17 2007 8"	UMa 11mmT6	H251-1 PF,S,OVAL,NND,R=F	Galaxy (R)SB(rs)0+	B,PL,R,GMBM,R,*12SP
NGC 3949 Mar 17 2007 8"	UMa 11mmT6	H202-1 PF,S,OVAL,NND,R=F	Galaxy SA(s)bc:	CB,PL,PME,VGBM
NGC 3952 Mar 08 2010 12"	Vir 11mmT6	H612-3 PF,PS,EON,UB,NND,R=F	Galaxy IBm: sp	CF,CS,LE90,BM,R
NGC 3953 Mar 18 2007 8"	UMa 11mmT6	H45-5 PB,PL,EL,OVAL,FNUC,MSB,R=G	Galaxy SB(r)bc	CB,L,E0,VSBMLRN
NGC 3961 Jul 13 2013 18" Feb 23 2006 31"	Dra 7mm TV 17mmT4	H905-3 VF,VS,OVAL,NND,AV2,R=F FB,FL,OVALM,FNUC,MSB,R=G	Galaxy (R)SB(r)a:	EF,VS
NGC 3962 Apr 26 2006 8"	Crt 19mmW	H67-1 PF,PS,OVAL,NND,R=F	Galaxy E1	CB,PL,IR,GMBM,TRI2*
NGC 3976 Apr 04 2005 8"	Vir 11mmT6	H132-2 MF,EL,EON,NND,R=F	Galaxy SAB(s)b	B,PL,CE30,VSBMBN
NGC 3982 Mar 18 2007 8"	UMa 11mmT6	H62-4 PF,L,OVAL,NND,=F	Galaxy SAB(r)b:	B,PL,R,G,SBM,DISC
NGC 3987 May 07 2007 31"	Leo 17mmT4	M109 PB,CL,EON,UB,NND,R=G	Galaxy Sb	F,ME
NGC 3992 Jul 15 2015 12" Mar 16 2012 18" Mar 01 2011 12" Mar 08 2010 12" Mar 20 2009 16" Mar 19 2006 8" Mar 19 2004 8" Mar 09 2004 8"	UMa 17mmT4 17mmAT 17mmAT 26mm 26mm 19mmW 25mmPL 25mmPL	H61-4 2012 M.M. M.M. 2011 - MANUAL SETTING CIRCLES M.M. 2010 MANUAL SETTING CIRCLES MESSIER MARATHON - 2009 F,FS,OVAL,NND,R=F 2004 MESSIER MARATHON - ARGO NAVIS COMPTER = ARGO NAVIS	Galaxy SB(rs)bc	CB,VL,PME,SBMBRN
NGC 3993 May 07 2007 31"	Leo 17mmT4	M109 PB,PL,EON,UB,FNUC,HISB,R=G	Galaxy Sb: sp	VF,PS,E,3* NR
NGC 3997 May 07 2007 31"	Leo 17mmT4	M109 PB,CL,OVAL,UB,FNUC,HISB,R=G	Galaxy SBb pec	PF,VS,E25,BET 2ST
NGC 3998 Mar 18 2007 8"	UMa 11mmT6	H229-1 PB,PL,OVAL,FNUC,MSB,R=G	Galaxy SA(r)0^?	CB,PS,R,VG,SMBM
NGC 3999 May 07 2007 31"	Leo 17mmT4	M109 DIFF,PF,CS,OVAL,NND,R=F	Galaxy S0	VF,S

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NGC 4000 May 07 2007 31"	Leo 17mmT4		Galaxy S?	VF,VS,LE,*8F2',05 SF
	PF,PL,EON,UB,NND,R=F			
NGC 4002 May 14 2010 31"	Leo 17mmT4	H344-3	Galaxy S0?	VF,VS,R,N OF 2
	PB,CS,OVAL,MEXT,BNUC,HSB,R=G			
NGC 4004 Apr 28 2006 31"	Leo 19mmW	H354-3	Galaxy Pec	F,VS,R,*12 NEAR
	CF,CS,EON,UB,NND,R=F			
NGC 4005 May 07 2007 31"	Leo 17mmT4		Galaxy S?	PF,VS,MBM,*7NP2'
	PB,PL,OVAL,FNUC,MSB,R=G			
NGC 4007 May 14 2010 31"	Leo 17mmT4	H325-3	Non-Existent	
	PF,PS,OVAL,MEXT,BNUC,HSB,R=G			
NGC 4008 May 13 2007 8"	Leo 11mmT6	H368-2	Galaxy E5	PB,PS,E,PSBM,*INV N
	VF,VS,OVAL,NND,AV,R=F			
NGC 4011 May 07 2007 31"	Leo 17mmT4		Galaxy S0	VF,VS,*12NP
	DIFF,CF,CS,OVAL,NND,V,R=F			
NGC 4013 Mar 01 2011 12"	UMa 11mmT6	H733-2	Galaxy Sb sp	B,CL,ME62,VSVMBM*10
	PF,PS,EON,BNUC,R=G			
NGC 4024 Mar 18 2007 8"	Crv 11mmT6	H295-2	Galaxy SAB0-	F,VS,IF,BM
	PF,PS,R,NND,AV,R=F			
NGC 4026 Mar 18 2007 8"	UMa 11mmT6	H223-1	Galaxy S0 sp	VB,CL,ME176,VSVMBMBN
	PB,L,OVAL,FNUC,MSB,R=G			
NGC 4027 Apr 07 2008 31" Mar 29 2006 8"	Crv 17mmT4 11mmT6	H296-2	Galaxy SB(s)dm	GCL,PF,PL,R,RR,ST16
	PB,PS,R,UB,FNUC,MSB,R=G PF,PS,R,NND,AV,R=F			
NGC 4027A Apr 07 2008 31"	Crv 17mmT4		Galaxy IB(s)m:	
	VF,VS,R,NND,AV,R=F			
NGC 4030 Apr 04 2005 8"	Vir 11mmT6	H121-1	Galaxy SA(s)bc	CB,L,VLE,PSMBM,BSTNR
	MB,OVAL,FNUC,MSB,R=G			
NGC 4032 Jun 09 2007 8"	Com 11mmT6	H404-2	Galaxy Im:	PF,PL,R,GBM,*12NF
	VF,PS,R,NND,AV,R=F			
NGC 4033 Mar 18 2007 8"	Crv 11mmT6	H508-2	Galaxy E6	PB,S,LE,BM
	VF,PS,OVAL,NND,AV,R=F			
NGC 4034 Jul 13 2013 18"	Dra 7mm TV	H903-3	Galaxy Scd:	EF,S,IF,GVLBM
	VF,PS,OVAL,MEXT,UB,NND,R=F			

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NGC 4035	Crv	H279-3	Galaxy (R')SAB(rs)bc p	EF,PL,*9M NR
Apr 07 2008 31"	17mmT4	PF,PS,OVAL,NND,LSB,R=F		
NGC 4036	UMa	H253-1	Galaxy S0-	VB,VL,E
Mar 18 2007 8"	11mmT6	PB,PL,EON,FNUC,MSB,R=G		
NGC 4037	Com	H77-3	Galaxy SB(rs)b:	EF,PL,R,R
Mar 08 2010 12"	11mmT6	VF,PS,OVAL,NND,R=F		
NGC 4038	Crv	H28.1-4	Galaxy SB(s)m pec	PB,CL,R,VGBM
Apr 14 2016 12"	8mm Ds	PF,PS,UB,NND, NOT MUCH TO SEE IN MOON AND LOW HORIZON		
Apr 19 2007 31"	17mmT4	PB,CL,OVAL,UB,NND,R=G		
Apr 13 2005 8"	7.5mmW	VF,VS,NND,AV,R=F		
NGC 4039	Crv	H28.2-4	Galaxy SA(s)m pec	PF,PL
Apr 14 2016 12"	8mm Ds	PF,PS,UB,NND, NOT MUCH TO SEE IN MOON AND LOW HORIZON		
Apr 19 2007 31"	17mmT4	PB,CL,OVAL,UB,NND,R=G		
Apr 13 2005 8"	7.5mmW	VF,VS,NND,AV,R=F		
NGC 4041	UMa	H252-1	Galaxy SA(rs)bc:	B,CL,R,G,PSVMBMRN
Mar 18 2007 8"	11mmT6	PF,PL,R,NND,R=F		
NGC 4045	Vir	H276-2	Galaxy SBa	PF,L,R,SBM,*SF
May 30 2016 12"	8mm Ds	VF,VS,OVAL,MEXT,UB,NND,AV2R=F		
Mar 08 2010 12"	11mmT6	PF,PS,OVAL,MEXT,UB,NND,R=F		
Apr 04 2005 8"	11mmT6	VF,OVAL,NND,AV,R=F		
NGC 4047	UMa	H741-2	Galaxy (R)SA(rs)b:	PB,PS,R
Mar 01 2011 12"	11mmT6	PF,CS,R,UB,NND,R=F		
NGC 4051	UMa	H56-4	Galaxy SAB(rs)bc	B,VL,E,VGVSBM*11
Mar 18 2007 8"	11mmT6	PF,L,R,NND,AV,R=F		
NGC 4062	UMa	H174-1	Galaxy SA(s)c	PB,VL,ME97,VGBM
Mar 28 2011 12"	7mm TV	PF,PS,OVAL,PEXT,R=G,BRIGHTER TOWARDS THE MIDDLE		
NGC 4064	Com		Galaxy SB(s)a: pec	B,E,GBM
Mar 08 2010 12"	11mmT6	PF,CS,OVAL,MEXT,RNUC,R=F		
NGC 4067	Vir	H37-3	Galaxy SA(s)b:	F,PS,R,GBM
Mar 08 2010 12"	11mmT6	VF,CS,OVAL,UB,NND,AV,R=F		
NGC 4073	Vir	H277-2	Galaxy E+	F,PS,R,PGBM,NP OF 2
Apr 04 2005 8"	11mmT6	VF,OVAL,NND,AV,R=F		
NGC 4079	Vir		Galaxy (R')SAB(rs)bc:	F,L,R,*10N1'
Mar 08 2010 12"	11mmT6	VF,VS,OVAL,NND,AV,R=F		

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NGC 4085 Mar 18 2007 8"	UMa 11mmT6	H224-1 VF,PS,EL,EON,NND,AV,R=F	Galaxy SAB(s)c:?	B,PL,ME78,VSBM
NGC 4088 Mar 18 2007 8"	UMa 11mmT6	H206-1 PF,L,EON,UB,NND,R=F	Galaxy SAB(rs)bc	B,CL,E55,LBM
NGC 4094 Mar 18 2007 8"	Crv 11mmT6	VF,VS,OVAL,NND,AV,R=F	Galaxy SAB(rs)cd:	EF,L,PME,VGBM,2*11NR
NGC 4096 Mar 01 2011 12"	UMa 11mmT6	H207-1 PF,PS,EON,FNUC,R=F	Galaxy SAB(rs)c	PB,VL,ME32
NGC 4100 Mar 01 2011 12"	UMa 17mmAT	H717-3 PF,PS,EON,UB,NND,R=F	Galaxy (R')SA(rs)bc	PB,VL,VME161,VGV LBM
NGC 4102 Mar 18 2007 8"	UMa 11mmT6	H225-1 PF,PS,EL,OVAL,UB,NND,R=F	Galaxy SAB(s)b?	B,PS,R,BMBN,*12SPVNR
NGC 4104 Mar 08 2010 12"	Com 11mmT6	H370-2 CF,CS,OVAL,MEXT,UB,NND,R=F	Galaxy S0	PB,PS,LE,BM
NGC 4105 Mar 28 2011 12"	Hya 7mm TV	H865-2 PF,PS,OVAL,MEXT,FNUC,R=F	Galaxy E3	PF,PS,R,PSBM,R,P OF2
NGC 4106 Mar 28 2011 12"	Hya 7mm TV	H866-2 PF,CS,OVAL,UB,NND,R=F	Galaxy SB(s)0+	PF,PS,R,PGBM, F OF 2
NGC 4108 Aug 31 2010 12"	Dra 7mm TV	VF,CS,OVAL,NND,AV,R=F. PA=90??	Galaxy (R')SAc:	B,S,R,GBM
NGC 4111 Apr 13 2005 8"	CVn 11mmT6	H195-1 VB,ML,EON,FNUC,MSB,R=G	Galaxy SA(r)0+: sp	VB,PS,ME151
NGC 4114 Apr 07 2008 31" Mar 18 2007 8"	Crv 17mmT4 11mmT6	H533-3 F,PS,OVAL,UB,NND,R=F VF,VS,R,NND,AV,R=F	Galaxy (R')SAB(rs)a:	CF,S,IR,GBM
NGC 4116 Apr 29 2011 12" Apr 02 2008 8"	Vir 7mm TV 11mmT6	DIFF,CF,PS,OVAL,AV,R=F,PA=120 VF,PS,OVAL,NND,AV,R=F	Galaxy SB(rs)dm	VF,E,SPOF2,HOOKSHAPE
NGC 4120 Jul 13 2013 18"	Dra 7mm TV	H904-3 VF,PS,EON,UB,NND,R=F	Galaxy SA(rs)cd:	EF,VS,E
NGC 4123 Apr 02 2008 8" May 16 2004 10"	Vir 11mmT6 28mm	H4-5 VF,L,OVAL,NND,AV,R=F CLEAR - MEGASTAR CONTROL	Galaxy SB(r)c	CF,VL,E90,BMN

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NGC 4124 Apr 09 2008 8"	Vir 11mmT6	H33-1 PF,PS,R,NND,LSB,R=F	Galaxy SA(r)0+	PB,PL,ME118,BM,R
NGC 4125 Sep 02 2016 12" Sep 07 2005 8" Sep 01 2005 8"	Dra 8mm Et 11mmT6 7.5mmW	PF,PS,OVAL,FNUC,R=G. MB,ML,OVAL,FNUC,MSB,R=G MB,MS,OVAL,NND,MSB,R=F	Galaxy E6 pec	PB,PL,CE,MBM
NGC 4127 May 25 2014 18"	Cam 8mm Ds	H279-1 VF,PS,OVAL,PEXT,UB,NND,R=F	Galaxy SAc?	F,PL,VLE,GLBM
NGC 4128 Aug 31 2010 12" Aug 29 2010 12"	Dra 7mm TV 7mm TV	H263-1 PF,PS,EON,FNUC,MSB,R=G. PF,PS,OVAL,PEXT,FNUC,R=F.	Galaxy SA0: sp PA=10 PA=10	CB,LE,BM
NGC 4133 Aug 31 2010 12" Aug 12 2010 12"	Dra 7mm TV 7mm TV	H278-1 CF,PS,OVAL,EXT,UB,NND,R=F. VF,VS,OVAL,MEXT,NND,AV,R=P	Galaxy SABb:	PB,CL,R,GMBM
NGC 4136 Apr 16 2009 16" Jun 09 2007 8"	Com 17mmT4 11mmT6	H321-2 PF,PS,R,UB,NND,R=G PF,PS,R,NND,AV,R=F	Galaxy SAB(r)c	F,VL,VGMBM
NGC 4138 Mar 26 2009 16"	CVn 17mmT4	H196-1 PB,PS,OVAL,FNUC,R=F	Galaxy SA(r)0+	B,PL,E,VGBM,*NP
NGC 4143 Mar 29 2006 8"	CVn 19mmW	H54-4 DIFF,F,L,OVAL,NND,R=F	Galaxy SAB(s)0^	CB,R,VG,VSBMN
NGC 4144 Mar 01 2011 12"	UMa 11mmT6	H747-2 PF,PS,EON,FNUC,R=F	Galaxy SAB(s)cd? sp	PF,CL,VME109,VGBM
NGC 4147 May 30 2016 12" Mar 29 2006 8" Apr 13 2005 8"	Com 8mm Et 11mmT6 7.5mmW	H19-1 PF,PS,R=F. UNRESOLVED STARS F,S,R,NND,R=F CLASS IX R,MSB,R=G	Globular	GCL,VB,PL,R,GBM,RRR
NGC 4150 Mar 29 2006 8"	Com 11mmT6	H73-1 B,L,R,FNUC,R=F	Galaxy SA(r)0^?	B,S,R,PGMBM
NGC 4151 Mar 29 2006 8"	CVn 11mmT6	H165-1 F,S,OVAL,NND,R=F	Galaxy (R')SAB(rs)ab:	VB,S,R,VSMBMBN,P OF2
NGC 4152 Jun 09 2007 8"	Com 11mmT6	H83-2 PF,PS,OVAL,NND,AV,R=F	Galaxy SAB(rs)c	PB,PL,R,PGMBM,R
NGC 4156 Mar 29 2006 8"	CVn 11mmT6	H642-2 F,PS,R,NND,R=F	Galaxy SB(rs)b	PF,S,E,VGBM,F OF 2

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NGC 4157 Mar 16 2012 18" Aug 06 2010 12"	UMa 8.8 ES 7mm TV	H208-1 PFB,PS,EON,FNUC,R=F, A.L. PF,PS,EON,UB,NND,R=F	Galaxy SAB(s)b? sp FLAT GALAXY	PF,CL,VME60,(DOUBLE)
NGC 4158 Mar 08 2010 12"	Com 11mmT6	H405-2 CF,CS,R,UB,NND,R=F	Galaxy SA(r)b:	F,PS,LE,BM,PB*SF
NGC 4159 Apr 17 2015 18"	Dra 8mm Ds	H941-3 VF,PS,OVAL,UB,NND,R=F	Galaxy S?	EF,PS,R,TRI2*
NGC 4162 Mar 08 2010 12"	Com 11mmT6	H353-2 CF,PS,OB,NND,R=F	Galaxy (R)SA(rs)bc	B,L,IE,BM
NGC 4168 Apr 04 2005 8"	Vir 11mmT6	H105-2 MB,OVAL,PATCH,NND,R=G	Galaxy E2	PB,PL,IF,PSBM,R,*INV
NGC 4169 Apr 16 2009 16"	Com 17mmT4	H358-3 PF,PS,OVAL,UB,NND,R=F	Galaxy S0	F,S,1ST OF 4
NGC 4173 Mar 16 2012 18"	Com 8.8 ES	H372-2 PB,CS,EON,BNUC,R=G, A.L.	Non-Existent FLAT GALLAXY	
NGC 4177 Apr 07 2008 31"	Crv 17mmT4	H534-3 DIFF,F,S,OVAL,NND,LSB,R=F	Galaxy SA(rs)c pec:	VF,PL,R,VGBM
NGC 4178 Apr 04 2005 8"	Vir 11mmT6	H372-2 VF,EL,OVAL,AV,R=F	Galaxy SB(rs)dm	VF,VL,E45,*7F
NGC 4179 Apr 04 2005 8"	Vir 11mmT6	H9-1 MB,EON,OVAL,FNUC,MSB,R=G	Galaxy S0 sp	PB,PS,PME135,BMN
NGC 4183 Mar 16 2012 18"	CVn 8.8 ES	H697-3 PF,S,EON,UB,NND,R=F,A.L.	Galaxy SA(s)cd? sp FLAT GALAXY	VF,CL,ME170
NGC 4185 Apr 16 2009 16"	Com 17mmT4	H373-2 VF,PS,OVAL,NND,AV,R=F	Galaxy Sbc	CF,L,R,GBM
NGC 4188 Apr 07 2008 31"	Crv 17mmT4	H373-2 F,S,R,NND,LSB,R=F	Galaxy Sb	EF,PS
NGC 4189 Apr 16 2009 16"	Com 17mmT4	H106-2 PF,PS,OVAL,UB,NND,R=F	Galaxy SAB(rs)cd?	F,L,LE,VGLBM,R

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NGC 4192	Com	M98	Galaxy SAB(s)ab	B,VL,VME152,VSVMBM
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
May 06 2007 1.9"	12x50	VF,S,OVAL,NND,R=F		
Mar 26 2006 8"	19mmW	F,FL,OVAL,NND,UB,R=G		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 4197	Vir	H134-2	Galaxy Sd	PF,PME,VGBM
May 30 2014 18"	8mm Ds	PF,PS,EON,UB,NND,R=F,PA=30		
NGC 4203	Com	H175-1	Galaxy SAB0-:	VB,S,R,PSMBM
Apr 06 2010 12"	11mmT6	PB,PS, R,FNUC,R=G		
May 17 2005 31"	11mmT6	MB,ML,R,FNUC,MHS,R=G		
NGC 4205	Dra		Galaxy S?	PB,PS,R,*12F,LN
Aug 15 2015 12"	8mm Ds	PF,PS,OVAL,UB,NND,R=F		
NGC 4206	Vir	H165-2	Galaxy SA(s)bc:	F,VME
Apr 16 2009 16"	17mmT4	VF,PS,EON,NND,VLOWSB,R=F		
Apr 04 2005 8"	11mmT6	VF,EON,NND,AV,R=F		
NGC 4207	Vir		Galaxy S?	PF,PS,LE,*14NP
Apr 09 2010 12"	11mmT6	PF,PS,OVAL,UB,NND,R=F		
NGC 4210	Dra	H850-3	Galaxy SB(r)b	PF,PS,R,VGBM
Aug 31 2010 12"	7mm TV	VF,PS,R,NND,R=F		
NGC 4212	Com	H108-2	Galaxy SAc:	B,L,E107,G,SBM,R
Apr 16 2009 16"	17mmT4	PF,PS,OVAL,UB,NND,LSB,R=F		
NGC 4214	CVn	H95-1	Galaxy IBm	CB,CL,IE,BIN
Mar 29 2006 8"	11mmT6	F,PS,R,NND,R=F		
NGC 4215	Vir	H135-2	Galaxy SA(r)0+: sp	B,PS,E,SBM*11
Mar 08 2010 12"	11mmT6	CF,CS,EON,UB,NND,R=F		
NGC 4216	Vir	H35-1	Galaxy SAB(s)b:	VB,VL,VME17,SBMN
Apr 16 2009 16"	17mmT4	PB,PL,EON,BNUC,HSB,R=G		
Apr 04 2005 8"	11mmT6	VB,EON,FNUC,MSB,R=G		
May 16 2004 10"	28mm	CLEAR - MEGASTAR CONTROL		
NGC 4217	CVn	H748-2	Galaxy Sb sp	PF,L,ME45,**N,P OF 2
Mar 26 2009 16"	17mmT4	VF,VS,OCAL,NND,R=F		
NGC 4220	CVn	H209-1	Galaxy SA(r)0+	CB,PL,PME134,PSBM
Mar 26 2009 16"	17mmT4	PF,PS,EL,OVAL,FNUC,USB,R=F		

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NGC 4221 Aug 31 2010 12"	Dra 7mm TV		Galaxy (R)SB(r)0+ PF,PS,OVAL,EXT,FNUC,R=F.	PB,S,R,PSBM
NGC 4222 Mar 16 2012 18"	Com 8.8 ES	H109-2	Galaxy Sd: sp PF,CS,EON,UB,NND,R=F, A.L. FLAT GALAXY	VF,PS,R
NGC 4224 Apr 09 2008 8"	Vir 11mmT6	H136-2	Galaxy SA(s)a: sp PF,PS,EON,NND,LSB,R=F	PB,PS,LE,GBM,R
NGC 4225 Apr 07 2008 31"	Crv 17mmT4		Galaxy S0/a F,PS,R,UB,NND,R=G	F,ES,R,*60"S
NGC 4233 Apr 09 2008 8"	Vir 11mmT6	H496-2	Galaxy S0^ PF,CS,OVAL,FNUC,LSB,R=F	PF,R,VSMBMSN
NGC 4235 Apr 29 2011 12" Apr 09 2008 8"	Vir 5mm TV 11mmT6	H17-2	Galaxy SA(s)a sp PF,PS,EON,FNUC,R=G,PA=45 PF,PS,EON,UB,FNUC,R=G	PB,PL,PME,BM,P OF 2
NGC 4236 Sep 01 2005 8"	Dra 7.5mmW	H51-5	Galaxy SB(s)dm MF,ML,NND,LSB,R=F	VF,EL,ME160,VGBM
NGC 4237 Apr 16 2009 16"	Com 17mmT4	H11-2	Galaxy SAB(rs)bc PF,PS,EL,OVAL,UB,NND,R=F	PB,PL,LE,VGBM,R
NGC 4240 Mar 08 2010 12"	Vir 11mmT6		Galaxy E VF,CS,OVAL,UB,NND,R=F	PB,S,*12SP1/2'
NGC 4241 Apr 09 2008 8"	Vir 11mmT6	H480-3	Galaxy SA(s)0+: PF,PS,OVAL,LSB,AV,R=F	VF,L,VGBM,*7S
NGC 4244 May 04 2005 8"	CVn 19mmW	H41-5	Galaxy SA(s)cd: sp MB,ML,EL,EON,FNUC,R=G	PB,VL,EE43,VGBM
NGC 4245 May 17 2005 31"	Com 11mmT6	H74-1	Galaxy SB(r)0/a: MF,VS,R,NND,R=F	CB,PL,VLE,SMBM,R
NGC 4248 Mar 26 2009 16"	CVn 17mmT4	H742-2	Galaxy I0? sp VF,VS,OVAL,NND,AV,R=F	VF,S,PME,PSBM
NGC 4250 Aug 12 2010 12" Aug 06 2010 12"	Dra 7mm TV 7mm TV	H264-1	Galaxy SAB(r)0+ CF,PS,OVAL,UB,NND,R=F PF,CS,OVAL,UB,NND,R=F	PB,S,R,PGBM
NGC 4251 May 17 2005 31"	Com 11mmT6	H89-1	Galaxy SB0? sp MB,ML,EL,EON,FNUC,MSB,R=G	VB,S,E,VSMBMN,*F90S

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NGC 4254	Com	M99	Galaxy SA(s)c	B,L,R,GBM,R,3BRSPIRA
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
May 06 2007 1.9"	12x50	F,S,OVAL,NND,R=F		
Mar 26 2006 8"	19mmW	F,S,OVAL,NND,R=F		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 4255	Vir		Galaxy SB(r)0^	S,PMBM
May 18 2014 18"	8mm Ds	VF,PS,OVAL,MEXT,UB,NND,AV1,R=F		
NGC 4256	Dra	H846-2	Galaxy SA(s)b: sp	PB,L,CE38,BMBN
Aug 31 2010 12"	7mm TV	PF,PS,EON,FNUC,MSB,R=F. PA=170		
Jul 16 2009 16"	11mmT6	PS,EON,NND,R=F		
NGC 4258	CVn	M106 H43-5	Galaxy Sb	VB,VL,VME0,SBMBN
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Mar 26 2006 8"	19mmW	MB,ML,OVAL,FNUC,MSB,,R=F		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Dec 26 2003 8"	25mmPL	Q/M COLD		
NGC 4260	Vir	H138-2	Galaxy SB(s)a	PB,E,PSBM
Apr 14 2016 12"	11mmT6	DIFF,PS,,S,R,UB,NND,R=F		
Apr 09 2008 8"	11mmT6	PF,PS,OVAL,UB,NND,R=F		
NGC 4261	Vir	H139-2	Galaxy E2-3	PB,PS,R,GBM
Apr 14 2016 12"	11mmT6	PF,PS,R,FNUC,R=F		
Apr 26 2006 8"	11mmT6	B,L,OVAL,FNUC,MSB,R=G		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC 4262	Com	H110-2	Galaxy SB(s)0-?	B,S,R,R
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 4264	Vir	H140-2	Galaxy SB(rs)0+	F,PS,R,GBM
Apr 09 2008 8"	11mmT6	VF,VS,R,NND,AV,R=F		
NGC 4265	Crv	H535-3	Galaxy Sb	VF,PS,R
Apr 07 2008 31"	17mmT4	F,PS,EL,OVAL,NND,LSB,R=F		
NGC 4267	Vir	H166-2	Galaxy SB(s)0-?	PB,VS,R,VSMBM
Apr 09 2008 8"	11mmT6	PF,PS,OVAL,FNUC,R=G		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC 4268	Vir		Galaxy SB0/a: sp	PF,S,2ND OF 6 NEB
Apr 04 2005 8"	11mmT6	VF,EL,OVAL,NND,AV,R=F		

Observations Listing by Catalog Number

NGC 4270	Vir	H568-2	Galaxy S0	PB,S,R
May 14 2017 12"	11mmT6	PF,PS,OVAL,MEXT,NND,R=F		
Apr 14 2016 12"	11mmT6	PF,PS,OVAL,UB,NND,R=G		
Apr 09 2008 8"	11mmT6	PF,PS,EON,FNUC,MSB,R=G		
NGC 4271	UMa	H804-2	Galaxy S0-:	PB,PL,IF
Mar 28 2011 12"	5mm TV	PF,VS,OVAL,VFNUC,R=F		
NGC 4273	Vir	H569-2	Galaxy SB(s)c	PB,L,E,GBM
May 14 2017 12"	11mmT6	PF,PS,OVAL,FNUC,R=G		
Apr 04 2005 8"	11mmT6	MB,OVAL,FNUC,MSB,R=G		
NGC 4274	Com	H75-1	Galaxy (R)SB(r)ab	VB,VL,E90,MBMN
May 17 2005 31"	11mmT6	PF,PS,OVAL,NND,R=F		
NGC 4278	Com	H90-1	Galaxy E1-2	VB,PL,R,MBM,R,1STOF3
Apr 16 2009 16"	17mmT4	PB,PS,R,FNUC,HSB,R=G		
May 17 2005 31"	11mmT6	PB,PL,R,BNUC,R=G		
NGC 4281	Vir	H573-2	Galaxy S0+: sp	B,VL,R,PGBM
May 14 2017 12"	11mmT6	PF,PS,OVAL,FNUC,R=G		
Apr 14 2016 12"	11mmT6	PF,PS,OVAL,MEXT,FNUC,R=F		
Apr 04 2005 8"	11mmT6	MB,EL,OVAL,NND,MSB,R=F		
NGC 4285	Vir		Galaxy Sa	EF,PS,R
Apr 29 2006 31"	19mmW	VF,S,OVAL,NND,AV,R=F		
NGC 4290	UMa	H805-2	Galaxy SB(rs)ab:	PB,L,R,GMBM
Mar 01 2011 12"	11mmT6	CF,CS,OVAL,UB,NND,R=F		
NGC 4291	Dra	H275-1	Galaxy E	PB,VS,R,LBM,3*F
Apr 17 2015 18"	8mm Ds	F,S,ROUND,UB,NND,R=F		
Jul 14 2010 12"	7.5mmW	PF,CS,OVAL,FNUC,MSB,R=F		
NGC 4293	Com	H5-5	Galaxy (R)SB(s)0/a	F,VL,E,LBM,R
Apr 26 2006 8"	11mmT6	PB,L,EON,UB,R=F		
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
NGC 4294	Vir	H61-2	Galaxy SB(s)cd	F,L,ME135,BIN,P OF 2
Apr 04 2005 8"	11mmT6	MF,EL,EON,NND,AV,R=F		
NGC 4298	Com	H111-2	Galaxy SA(rs)c	F,L,E,VGBM,P OF 2
May 14 2017 12"	11mmT6	PF,PS,OVAL,UB,NND,R=G. PAIRED W/NGC4302		
Apr 16 2009 16"	17mmT4	PF,VS,OVAL,UB,NND,R=F		
NGC 4299	Vir	H62-2	Galaxy SAB(s)dm:	F,L,LE,VGBM,F OF 2
Apr 04 2005 8"	11mmT6	VF,OVAL,NND,AV,R=F		

Observations Listing by Catalog Number

NGC 4300	Vir	H572-2	Galaxy Sa	F,LE,VGBM
May 18 2014 18"	8mm Ds	PF,PS,OVAL,FNUC,R=F		
NGC 4302	Com	H112-2	Galaxy Sc	L,VME177,F OF 2
May 14 2017 12"	11mmT6	PF,PS,EON,UB,NND,R=F.	PAIRED W/NGC4398	
Apr 16 2009 16"	17mmT4	PF,PS,EON,UB,NND,R=F		
NGC 4303	Vir	M61 H139-1	Galaxy SAB(rs)bc	VB,VL,VSBM*,BIN
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
May 06 2007 1.9"	12x50	PB,PS,OVAL,NND,R=G		
Mar 26 2006 8"	19mmW	DIFF,F,L,OVAL,NND,R=F		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 4305	Vir		Galaxy SA(r)a	VF,R
May 18 2014 18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F, PAIRED W/NGC-4306		
NGC 4306	Vir		Galaxy SB(s)0^:	VF,PL,R,4305SP
May 18 2014 18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F,PAIRED W/.NGC-4305		
NGC 4307	Vir		Galaxy Sb sp	PF,L,ME,3KNOTS
May 18 2014 18"	8mm Ds	PF,PS,EON,UB,NND,R=F,PA=24		
NGC 4309	Vir		Galaxy SAB(r)0+	F,S,*11F12S
May 18 2014 18"	8mm Ds	VF,PS,OVAL,UB,NND,R=F		
NGC 4310	Com	H378-2	Galaxy SB0	F,CL,LE,N OF 2
Apr 16 2009 16"	17mmT4	VF,VS,OVAL,NND,AV,R=F		
NGC 4312	Com	H628-2	Galaxy SA(rs)ab: sp	PB,CL,E,GBM
Apr 16 2009 16"	17mmT4	PB,PS,EON,FNUC,USB,R=G		
NGC 4313	Vir	H63-2	Galaxy SA(rs)ab: sp	VF,L,E135,R
Apr 04 2005 8"	11mmT6	MF,EL,EON,NND,R=F		
NGC 4314	Com	H76-1	Galaxy SB(rs)a	CB,L,E150,SBM,*NP
May 17 2005 31"	11mmT6	PB,PS,OVAL,FNUC,MSB,R=G		
NGC 4319	Dra	H276-1	Galaxy SB(r)ab	PB,PS,VLE,SBM
Jul 14 2010 12"	7.5mmW	CF,PS,R,UB,LSB,R=F		

Observations Listing by Catalog Number

NGC 4321	Com	M100	Galaxy SAB(s)bc	PF,VL,R,VG,PSBMRN
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Mar 10 2007 1.9"	12x50	F,S,OVAL,NND,R=F		
Mar 26 2006 8"	19mmW	F,L,OVAL,NND,R=F		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 4324	Vir		Galaxy SA(r)0+	PB,RORLE,BM
May 10 2005 8"	11mmT6	VF,VS,EL,OVAL,NND,R=F		
NGC 4326	Vir	H141-2	Galaxy SAB(r)ab:	VF,S,R,BM,1ST OF 3
May 10 2005 8"	11mmT6	MF,VS,R,NND,R=F		
NGC 4330	Vir		Galaxy Scd?	VF,L,ME
May 10 2005 8"	11mmT6	VF,VS,EON,NND,AV,R=F		
NGC 4332	Dra	H847-2	Galaxy SB(s)a	PF,S,VLE,VGBM
Jul 14 2010 12"	7.5mmW	CF,PS,OVAL,UB,NND,R=F		
NGC 4336	Com	H406-2	Galaxy SB0/a	VF,PL,IR,(BIN)
Apr 16 2009 16"	17mmT4	VF,PS,R,UB,NND,R=F		
NGC 4339	Vir	H143-2	Galaxy E0	B,PL,R,BM,3RD OF 3
Apr 09 2008 8"	11mmT6	PF,PS,R,FNUC,MSB,R=G		
NGC 4340	Com	H85-2	Galaxy SB(r)0+	PB,S,R,PSBM
May 17 2005 31"	11mmT6	MB,PS,OVAL,NND,R=F		
NGC 4341	Vir	H95-3	Galaxy SAB(s)0^ sp	EF,VS,R
Mar 30 2014 18"	7mm TV	PF,PS,EON,UB,NND,R=F		
NGC 4342	Vir	H96-3	Galaxy S0- sp	EF,VS,R
Mar 30 2014 18"	7mm TV	PF,PS,OVAL,BNUC,R=F		
NGC 4343	Vir	H94-3	Galaxy SA(rs)b:	PF,S,E,(D)
Mar 30 2014 18"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F		
Apr 09 2008 8"	11mmT6	PF,PS,EON,UB,NND,R=F		
NGC 4346	CVn	H210-1	Galaxy S0 sp	VF,S,ME100,VSMBMBN
Mar 29 2006 8"	11mmT6	F,S,EON,FNUC,R=F		
NGC 4348	Vir	H625-2	Galaxy SAbc: sp	F,PL,E70,VLBM
Mar 30 2014 18"	7mm TV	PF,PS,EON,UB,NND,R=F,PA=40		

Observations Listing by Catalog Number

NGC 4350	Com	H86-2	Galaxy SA0 sp	CB,VS,ME,VSBM
Mar 30 2014 18"	7mm TV	VF,PS,OVAL,UB,NND,AV,R=P		
May 17 2005 31"	11mmT6	MB,PS,EL,OVAL,FNUC,MSB,R=G		
NGC 4351	Vir		Galaxy SBab/	F,PL,IR,BM
Mar 30 2014 18"	7mm TV	DIFF,PF,PS,OVAL,UB,NND,R=F		
NGC 4352	Vir	H64-2	Galaxy SA0: sp	CF,CS,LE
Mar 30 2014 18"	7mm TV	PF,PS,OVAL,PEXT,FNUC,R=G		
NGC 4356	Vir	H481-3	Galaxy Scd:	VF
May 25 2014 18"	8mm Ds	PF,PS,EON,UB,NND,R=F, MAG 13 STAR ON SOUTH EDGE.		
NGC 4359	Com	H648-3	Galaxy SB(rs)c? sp	CF,PME90,VLBM
Apr 16 2009 16"	17mmT4	VF,VS,EL,OVAL,NND,AV,R=F		
NGC 4361	Crv	H65-1	Planetary Neb 3a+2	VB,L,R,VSMBMN,R
May 04 2005 8"	11mmT6	VF,VS,R,AV,R=F		
NGC 4365	Vir	H30-1	Galaxy E3	CB,PL,VLE,GL,SMBM
Apr 26 2006 8"	11mmT6	PB,PL,OVAL,FNUC,MSB,R=G		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC 4369	CVn	H166-1	Galaxy (R)SA(rs)a	CB,S,R,MBMN,R
Mar 26 2009 16"	17mmT4	PF,PS,OVAL,USB,R=F		
NGC 4370	Vir	H144-2	Galaxy Sa sp	PF,PS,LE,BM
Mar 30 2014 18"	7mm TV	PF,PS,OVAL,UB,NND,R=F		
NGC 4371	Vir	H22-1	Galaxy SB(r)0+	B,PS,R,GBM
Apr 26 2006 8"	11mmT6	PF,PS,OVAL,NND,R=F		
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
NGC 4374	Vir	M84	Galaxy E1	VB,PL,R,PSBM,R
May 14 2017 12"	11mmT6	F,VS,R,BNUC,R=E		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
May 06 2007 1.9"	12x50	PF,PS,OVAL,NND,R=F		
Mar 26 2006 8"	19mmW	B,S,OVAL,NND,R=F		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 4378	Vir	H123-1	Galaxy (R)SA(s)a	B,S,*8,9SF3'
Apr 09 2010 12"	11mmT6	PF,PS,R,FNUC,R=F		
NGC 4379	Com	H87-2	Galaxy S0- pec:	PS,R,PSBMN
Apr 16 2009 16"	17mmT4	VF,VS,R,NND,AV,R=F		

Observations Listing by Catalog Number

NGC 4380	Vir		Galaxy SA(rs)b:?	VF,PL,R,LBM
Apr 09 2010 12"	11mmT6	PF,PS,OVAL,UB,NND,R=F		
NGC 4382	Com	M85	Galaxy SA(s)0+ pec	VB,PL,R,BM,*NP
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Mar 10 2007 1.9"	12x50	VF,PS,OVAL,NND,AV,R=F		
Mar 26 2006 8"	19mmW	B,L,OVAL,BNUC,R=G		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 4385	Vir		Galaxy SB(rs)0+:	VF,VS,ALM STELL
Mar 30 2014 18"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F		
NGC 4386	Dra	H277-1	Galaxy SAB0^:	PB,CL,LE,PSMBM
Jul 14 2010 12"	7.5mmW	PF,CS,OVAL,MEXT,FNUC,R=F		
NGC 4387	Vir	H167-2	Galaxy E	PF,VS,R,*13NP90,NP-2
May 14 2017 12"	11mmT6	F,PS,OVAL,FNUC,R=E		
Apr 09 2010 12"	11mmT6	PF,CS,OVAL,UB,NND,R=F		
NGC 4388	Vir	H168-2	Galaxy SA(s)b: sp	VF,E,SF OF2
May 14 2017 12"	11mmT6	F,PS,EON,BNUC,R=E		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC 4389	CVn	H749-2	Galaxy SB(rs)bc pec:	PB,PL,IE,VGLBM
Apr 06 2010 12"	11mmT6	VF,CS,OVAL,NND,AV,R=F		
NGC 4391	Dra	H852-3	Galaxy SA0-:	CF,S,R,SBM,***SP
Jul 14 2010 12"	7.5mmW	CF,VS,R,UB,NND,R=F		
NGC 4394	Com	H55-2	Galaxy (R)SB(r)b	PB,LE,BM
Apr 26 2006 8"	11mmT6	PF,PS,R,NND,R=F		
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 4395	CVn	H29.1-5	Galaxy SA(s)m:	EF,VL,NP OF DNEB
Apr 06 2010 12"	11mmT6	DIFF,PF,PL,OVAL,UB,NND,R=F		
May 21 2009 16"	17mmT4	PF,PL,R,LSB,R=F		
NGC 4402	Vir		Galaxy Sb sp	F,L,ME90
Apr 09 2010 12"	11mmT6	PF,PS,EON,UB,NND,R=F		
NGC 4403	Vir	H755-3	Galaxy SA(r)ab pec sp	VF,VS,E
Mar 30 2014 18"	7mm TV	PF,PS,OVAL,PEXT,UB,NND,R=F,PAIRED W/NGC-4404		

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NGC 4404	Vir	H756-3	Galaxy SA(r)0- pec:	VF,VS,E
Mar 30 2014 18"	7mm TV	PF,PS,OVAL,UB,NND,R=F,PAIRED W/NGC-4403		
NGC 4406	Vir	M86	Galaxy E3	VB,L,R,GBMN,R
May 14 2017 12"	11mmT6	F,PS,R,BNUC,R=E		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
May 06 2007 1.9"	12x50	PF,PS,OVAL,NND,R=F		
Mar 26 2006 8"	19mmW	B,S,R,NND,R=F		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 4410A	Vir		Non-Existent	
Mar 30 2014 18"	7mm TV	VF,PS,R,UB,NND,R=F,PAIRED W/NGC-4410B		
NGC 4410B	Vir		Non-Existent	
Mar 30 2014 18"	7mm TV	VF,PS,R,UB,NND,R=F,PAIRED W/NGC-4410A		
NGC 4411A	Vir		Galaxy SBdm	
Mar 30 2014 18"	7mm TV	VF,PS,OVAL,UB,NND,AV,R=F		
NGC 4411B	Vir		Non-Existent	
Mar 30 2014 18"	7mm TV	PF,PS,OVAL,UB,NND,R=F		
NGC 4413	Vir	H169-2	Non-Existent	CF,S,GBM,2ST N,NP
Mar 30 2014 18"	7mm TV	PF,PS,OVAL,UB,ND,R=F		
Apr 09 2010 12"	11mmT6	CF,PS,OVAL,MEXT,UB,NND,R=F		
NGC 4414	Com	H77-1	Galaxy SA(rs)c?	VB,L,E,G,VSMBM*
May 17 2005 31"	11mmT6	PB,PL,OVAL,FNUC,MSB,R=G		
NGC 4417	Vir	H155-2	Galaxy SB0: sp	F,PL,E,LBP
Apr 05 2005 8"	7.5mmW	VF,ML,EL,EON,NND,AV,R=F		
NGC 4419	Com	H113-2	Galaxy SB(s)a sp	B,PME135,SBM
May 17 2005 31"	11mmT6	MB,ML,EL,EON,FNUC,MSB,R=G		
NGC 4420	Vir	H23-2	Non-Existent	F,PL,LE,R,(=4409)
Mar 30 2014 18"	7mm TV	PF,PS,OBVAL,MEXT,UB,NND,R=F		
Apr 05 2005 8"	7.5mmW	VF,VS,EL,NND,AV,R=F		
NGC 4421	Com	H89-2	Galaxy SB(s)0/a	PB,PL,PGBM,B*NP
May 17 2005 31"	11mmT6	PF,PS,OVAL,NND,AV,R=F		
NGC 4424	Vir		Galaxy SB(s)a:	F,PL,IR,BM
Apr 05 2005 8"	7.5mmW	MFN,ML,EL,OVAL,NND,MSB,R=G		

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NGC 4425	Vir	H170-2	Galaxy SB0+: sp	PF,S,R,BM
Apr 09 2010 12"	11mmT6	PF,PS,OVAL,PEXT,FNUC,R=G		
NGC 4429	Vir	H65-2	Galaxy SA(r)0+	B,L,CE,PSBM,*10NF
Apr 26 2006 8"	11mmT6	F,PS,EL,OVAL,UB,R=F		
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
NGC 4435	Vir	H28-1	Galaxy SB(s)0^	VB,CL,R,NP OF 2
May 14 2017 12"	11mmT6	F,PS,R,FNUC,R=E		
Apr 26 2006 8"	11mmT6	B,S,R,FNUC,MSB,R=G		
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 4437	Vir	H5-4	Galaxy SA(s)cd: sp	F,EE75,*10NF
May 19 2010 12"	7.5mmW	DIFF,CF,PS,EON,NND,AV,R=F		
NGC 4438	Vir	H28-1	Galaxy SA(s)0/a pec:	B,CL,VLE,R,SF OF 2
May 14 2017 12"	11mmT6	F,PS,EON,FNUC,R=E		
Apr 26 2006 8"	11mmT6	F,PL,EL,OVAL,NND,R=F		
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 4441	Dra	H848-2	Galaxy SAB0+ pec	PB,S,IR,BM
Jul 14 2010 12"	7.5mmW	VF,PS,R,NND,AV,R=P		
NGC 4442	Vir	H156-2	Galaxy SB(s)0^	VB,PL,R,SMBM
Apr 26 2006 8"	11mmT6	PB,CS,EON,FNUC,R=G		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC 4443	Vir		Non-Existent	F,S,
Apr 05 2005 8"	7.5mmW	MFB,ML,EL,OVAL,FNUC,MSB,R=G		
NGC 4448	Com	H91-1	Galaxy SB(r)ab	B,L,E90,SBM
May 17 2005 31"	19mmW	VF,PS,EL,NND,R=G		
NGC 4449	CVn	H213-1	Galaxy IBm	VB,CL,ME,DORBIFID,*F
Mar 13 2007 8"	11mmT6	PB,PL,OVAL,FNUC,MHISB,R=G		
Apr 16 2004 8"	25mmPL	CLEAR - MEGASTAR CONTROL		
NGC 4450	Com	H56-2	Galaxy SA(s)ab	B,L,R,GVMBM*,R,B*SP
May 17 2005 31"	11mmT6	MF,MS,OVAL,NND,R=F		
NGC 4451	Vir		Galaxy Sbc:	PB,PS,R,BM,*13S
May 30 2016 12"	8mm Ds	VF,VS,OVAL,NND,AV1,R=F		
NGC 4454	Vir	H180-2	Galaxy (R)SB(r)0/a	F,L,R,GBM,ER
May 25 2014 18"	8mm Ds	PF,PS,OVAL,NND,R=F		

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NGC 4457 May 22 2004 8"	Vir 25mmPL	H35-2 DECENT NIGHT - MEGASTAR CONTROL	Galaxy (R)SAB(s)0/a	CB,PS,R,SMBMN
NGC 4458 Apr 09 2010 12"	Vir 11mmT6	H121-2 PB,PS,R,NND,R=G	Galaxy E0-1	PB,S,R,BM,P OF 2
NGC 4459 Apr 26 2006 8" Apr 14 2004 8"	Com 11mmT6 25mmPL	H161-1 PF,PS,OVAL,NND,R=F CLEAR NIGHT - MEGASTAR CONTROL	Galaxy SA(r)0+	PB,PL,IR,BM,R,*8SF2'
NGC 4461 Apr 09 2010 12"	Vir 11mmT6	H122-2 PB,PS,OVAL,PEXT,BNUC,HSB,R=G	Galaxy SB(s)0+:	PF,S,R,BM,F OF 2
NGC 4464 May 14 2007 31"	Vir 17mmT4	H483-3 PB,PS,R,FNUC,MSB,R=G	Galaxy S?	F,VS,R,PGBM
NGC 4465 May 14 2007 31"	Vir 17mmT4	PF,PS,R,UB,NND,R=F	Galaxy Sc	VF,VDIF
NGC 4467 May 14 2007 31"	Vir 17mmT4	PF,CS,R,UB,NND,R=F	Galaxy E2	VF,VS,LE
NGC 4469 Apr 05 2005 8"	Vir 7.5mmW	H157-2 MF,ML,EL,EON,NND,R=G	Galaxy SB(s)0/a? sp	PF,PL,ME,BM,R
NGC 4470 May 25 2014 18"	Vir 8mm Ds	H18-2 PF,PS,OVAL,FNUC,R=G	Galaxy Sa?	F,PL,IR,BM
NGC 4472 Apr 14 2016 12" Mar 16 2012 18" Mar 01 2011 12" Mar 08 2010 12" Mar 20 2009 16" May 14 2007 31" May 06 2007 1.9" Mar 26 2006 8" Mar 19 2004 8" Mar 13 2004 8"	Vir 11mmT6 17mmAT 17mmAT 11mmT6 26mm 17mmT4 12x50 19mmW 25mmPL 25mmPL	M49 SOME MORE EYE CANDY 2012 M.M. M.M. 2011 - MANUAL SETTING CIRCLES M.M. 2010 MANUAL SETTING CIRCLES MESSIER MARATHON - 2009 B,CL,OVAL,BNUC,HISB,R=G PB,PS,OVAL,NND,R=G B,L,OVAL,BNUC,HISB,R=G 2004 MESSIER MARATHON - ARGO NAVIS COMPUTER = ARGO NAVIS	Galaxy E2	VB,L,R,MBM,R
NGC 4473 May 14 2017 12" Apr 26 2006 8" Apr 14 2004 8"	Com 11mmT6 11mmT6 25mmPL	H114-2 PF,PS,OVAL,MEXT,FNUC,R=G PB,CS,OVAL,FNUC,R=G CLEAR NIGHT - MEGASTAR CONTROL	Galaxy E5	PB
NGC 4474 Apr 26 2006 8"	Com 11mmT6	H117-2 VF,VS,OVAL,NND,R=F	Galaxy S0 pec:	PF,R,R

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NGC 4476 May 25 2014 18"	Vir 8mm Ds	H123-2 PF,VS,OVAL,FNUC,R=G	Galaxy SA(r)0:-	F,S,R,BM,1ST OF 3
NGC 4477 May 14 2017 12" Apr 26 2006 8" Apr 14 2004 8"	Com 11mmT6 11mmT6 25mmPL	H115-2 PF,PS,R,FNUC,R=G PB,CS,R,FNUC,R=G CLEAR NIGHT - MEGASTAR CONTROL	Galaxy SB(s)0:?	PB,CL
NGC 4478 Apr 05 2005 8"	Vir 7.5mmW	H124-2 MB,MS,R,FNUC,MSB,R=G	Galaxy E2	PB,S,R,PSBM,2ND OF 3
NGC 4482 May 25 2014 18"	Vir 8mm Ds	H40-3 PF,PS,OVAL,UB,NND,R=F	Galaxy E	EF,PL
NGC 4484 May 25 2014 18"	Vir 8mm Ds	Galaxy SA(s)c pec: VF,PS,R,UB,NND,AV,R=P		PF,S,R,GBM
NGC 4485 Mar 29 2006 8"	CVn 11mmT6	H197-1 PF,PS,R,NND,R=F	Galaxy IB(s)m pec	B,PS,IR,NP OF 2
NGC 4486 Sep 19 2014 12" Mar 16 2012 18" Mar 01 2011 12" Mar 08 2010 12" Mar 20 2009 16" Mar 10 2007 1.9" Mar 26 2006 8" Mar 19 2004 8" Mar 13 2004 8"	Vir 17mmAT 17mmAT 17mmAT 26mm 26mm 12x50 19mmW 25mmPL 25mmPL	M87 PF,L,R=G, HOME - 8/14/14 2012 M.M. M.M. 2011 - MANUAL SETTING CIRCLES M.M. 2010 MANUAL SETTING CIRCLES MESSIER MARATHON - 2009 PF,S,OVAL,R=F B,LLARGER,FNUC,R=G 2004 MESSIER MARATHON - ARGO NAVIS COMPUTER = ARGO NAVIS	Galaxy E+0-1 pec	VB,VL,R,MBM,3RD OF 3
NGC 4486A May 18 2014 18"	Vir 8mm Ds	Galaxy E2 VF,VS,OVAL,UB,NND,R=F		
NGC 4486B May 18 2014 18"	Vir 8mm Ds	Galaxy cE0 VF,VSM,R,UB,NND,R=F		
NGC 4487 May 14 2007 31"	Vir 17mmT4	H776-2 DIFF,PF,PL,OVAL,NND,R=F	Galaxy SAB(rs)cd	F,VL,ER
NGC 4488 May 14 2007 31"	Vir 17mmT4	H484-3 PB,PS,OVAL,UB,FNUC,MSB,R=G	Galaxy SB(s)0/a pec:	VF,VS,LE
NGC 4490 Mar 29 2006 8" Apr 14 2004 8"	CVn 11mmT6 25mmPL	H198-1 F,S,OVAL,FNUC,R=F CLEAR NIGHT - MEGASTAR CONTROL	Galaxy SB(s)d pec	VB,VL,ME130,R,SF OF2
NGC 4491 May 14 2007 31"	Vir 17mmT4	H41-3 PF,PS,OVAL,UB,NND,R=F	Galaxy SB(s)a:	F,L,R

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NGC 4492	Vir	H499-2	Galaxy SA(s)a?	PF,PL,VGLBM,2*NR
May 14 2007 31"	17mmT4	PB,PS,R,FNUC,MSB,R=G		
NGC 4493	Vir		Galaxy E+ pec:	VF,VS,IR
May 14 2007 31"	17mmT4	PF,CL,OVAL,NND,R=F		
NGC 4494	Com	H83-1	Galaxy E1-2	VB,PL,R,VSMBMN
Apr 26 2006 8"	11mmT6	FB,FL,OVAL,FNUC,R=F		
Apr 16 2004 8"	25mmPL	CLEAR - MEGASTAR CONTROL		
NGC 4496A	Vir		Galaxy SB(rs)m	F,CL,BIN OR DNEB
May 14 2007 31"	17mmT4	PF,PS,R,NND,R=F		
NGC 4496B	Vir		Galaxy IB(s)m:	
May 14 2007 31"	17mmT4	DIFF,PF,PL,OVAL,NND,R=F		
NGC 4497	Vir	H42-3	Galaxy SAB(s)0+:	VF
May 14 2007 31"	17mmT4	PB,PL,OVAL,UB,NND,R=G		
NGC 4501	Com	M88	Galaxy SA(rs)b	B,VL,VME
Apr 14 2016 12"	8mm Ds	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		
Mar 10 2007 1.9"	12x50	PF,S,OVAL,NND,R=F		
Mar 26 2006 8"	19mmW	B,L,OVAL,FNUC,R=F		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 4503	Vir	H66-2	Galaxy SB0-:	PB,S,R,GBM
May 14 2007 31"	17mmT4	PB,PL,EL,OVAL,BNUC,HISB,R=G		
NGC 4504	Vir	H771-2	Galaxy SA(s)cd	PB,CL,IE,GVLBM,ER
May 14 2007 31"	17mmT4	DIFF,PF,PL,OVAL,NND,R=F		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC 4512	Dra		Galaxy SB(s)dm	PB,S,R,PSBM
Jul 14 2010 12"	7.5mmW	VF,CS,OVAL,UB,NND,AV,R=P		
NGC 4518	Vir		Galaxy SB0_2/3_(r)/a	F,S,R,BM
May 14 2007 31"	17mmT4	PF,PS,OVAL,UB,NND,R=F		
NGC 4519	Vir	H158-2	Galaxy SB(rs)d	F,PL,R,BM,R
May 14 2007 31"	17mmT4	DIFF,PF,PL,OVAL,NND,R=F		
NGC 4519A	Vir		Galaxy dS0?	
May 14 2007 31"	17mmT4	CF,CS,OVAL,NND,R=F		

Observations Listing by Catalog Number

NGC 4520 May 14 2007 31"	Vir 17mmT4	H757-3 PF,PS,OVAL,UB,FNUC,R=F	Galaxy SA0- pec sp	VF,S,2VS*INV
NGC 4521 Aug 31 2010 12"	Dra 7mm TV	H849-2 CF,PS,EON,UB,NND,R=G.	Galaxy S0/a PA=195	PB,S,PME,PGBM,*P12S
NGC 4522 May 14 2007 31"	Vir 17mmT4		Galaxy SB(s)cd: sp	EF,PL,LE,VLBM
NGC 4526 May 14 2007 31" Apr 26 2006 8" Apr 16 2004 8"	Vir 17mmT4 11mmT6 25mmPL	H31-1 VB,CL,EON,BNUC,HISB,R=G VB,CS,EON,BNUC,R=G CLEAR - PALM PILOT DIRECTED	Galaxy SAB(s)0^:	VB,VL,ME120,PSMBM
NGC 4527 Apr 13 2005 8"	Vir 11mmT6	H37-2 MB,ML,EL,EON,FNUC,R=G	Galaxy SAB(s)bc	PB,L,PME69,MBM
NGC 4528 May 14 2007 31"	Vir 17mmT4	H67-2 PF,PS,OVAL,BNUC,HISB,R=G	Galaxy S0^:	PF,CS,R,BM,*9F30S
NGC 4531 May 14 2007 31"	Vir 17mmT4	H175-2 DIFF,PF,PL,OVAL,NND,R=F	Galaxy SB0+:	F,PL,R,VGBM
NGC 4532 May 14 2007 31"	Vir 17mmT4	H147-2 PB,PL,EON,UB,FNUC,R=G	Galaxy IBm	PB,PL,PME,VGBM,R
NGC 4535 Apr 26 2006 8" May 22 2004 8"	Vir 11mmT6 25mmPL	H500-2 F,VL,OVAL,NND,R=F DECENT NIGHT - MEGASTAR CONTROL	Galaxy SAB(s)c	PF,VL,R
NGC 4536 Apr 13 2005 8"	Vir 11mmT6	H2-5 MB,ML,EL,EON,FNUC,R=G	Galaxy SAB(rs)bc	B,VL,ME110,SBM,ER
NGC 4545 Feb 23 2006 31"	Dra 17mmT4	H850-2 PB,PL,OVAL,FNUC,PHISB,R=G	Galaxy SB(s)cd:	F,L,IR,VGBM,S*NF
NGC 4546 Apr 26 2006 8" Apr 16 2004 8"	Vir 11mmT6 25mmPL	H160-1 F,L,OVAL,NND,R=F CLEAR - PALM PILOT DIRECTED	Galaxy SB(s)0-:	VB,CL,PME78,VSMBMN

Observations Listing by Catalog Number

NGC 4548	Com	M91	H120-2	Galaxy SB(rs)b	B,L,LE,LBM
Mar 16 2012 18"	17mmAT	2012 M.M.			
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES			
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES			
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009			
May 06 2007 1.9"	12x50	VF,S,OVAL,NND,R=F			
Apr 26 2006 8"	11mmT6	B,L,EON,NND,R=F			
Mar 26 2006 8"	19mmW	B,L,EON,NND,R=F			
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS			
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS			
NGC 4550	Vir		H36-1	Galaxy SB0⁺: sp	PB,S,VLE,SP OF 2
Apr 13 2005 8"	11mmT6	MF,MS,EL,NND,R=G			
NGC 4551	Vir		H37-1	Galaxy E:	PB,S,R,BM,NF OF 2
Apr 13 2005 8"	11mmT6	VF,MS,OVAL,NND,AV,R=F			
NGC 4552	Vir	M89		Galaxy E0-1	PB,PS,R,GMBM
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES			
Mar 08 2010 12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES			
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009			
Mar 10 2007 1.9"	12x50	B,S,R,NND,R=F			
Mar 26 2006 8"	19mmW	B,L,R,FNUC,R=G			
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS			
NGC 4559	Com		H92-1	Galaxy SAB(rs)cd	VB,VL,ME150,GBM,3*F
Apr 13 2005 8"	7.5mmW	MB,ML,EL,FNUC,R=G			
NGC 4565	Com		H24-5	Galaxy SA(s)b? sp	B,EL,EE135,VSBMN=*10
May 14 2010 31"	17mmT4	VB,VL,EON,BNUC,HSB,DARK DUST LANE BISECST. FILLS EYEPIECE,R=E!!			
May 18 2009 31"	31mmT5	PB,PL,EON,BNUC,HISB,R=E, NICE DUST LANE			
Mar 04 2006 31"	31mmT5	VB,VL,EON,BNUC,HISB,R=G			
Apr 13 2005 8"	7.5mmW	MB,ML,EL,EON,FNUC,R=G			
NGC 4567	Vir		H8-4	Galaxy SA(rs)bc	VF,L,NP OF D NEB
Apr 14 2016 12"	11mmT6	PF,PS,OVAL,NND,R=F			
NGC 4568	Vir		H9-4	Galaxy SA(rs)bc	VF,L,SF OF D NEB
Apr 14 2016 12"	11mmT6	PF,PS,OVAL,NND,R=F			
NGC 4569	Vir	M90		Galaxy SAB(rs)ab	PL,BMN
Mar 16 2012 18"	17mmAT	2012 M.M.			
Mar 16 2012 18"	17mmAT	2012 M.M.			
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES			
Mar 08 2010 12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES			
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009			
May 18 2007 31"	17mmT4	EB,EL,EL,OVAL,BNUC,HISB,R=E			
May 06 2007 1.9"	12x50	PB,PS,OVAL,NND,R=G			
Mar 26 2006 8"	19mmW	F,L,EON,NND,R=F			
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS			

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NGC 4570	Vir	H32-1	Galaxy S0 sp	CB,PS,ME0,SBMRN
Apr 28 2006 31"	19mmW	VB,CL,EON,,BNUC,PHISB,R=G		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC 4571	Com	H602-3	Galaxy SA(r)d	VF,L,E,VGBM,*9NF NR
Apr 16 2009 16"	17mmT4	PF,PS,R,UB,NND,R=F		
NGC 4572	Dra	H939-3	Galaxy S	EF,S
Feb 23 2006 31"	17mmT4	PF,FL,EON,NND,R=F		
NGC 4578	Vir	H15-2	Galaxy SA(r)0^:	PF,PS,R,SBMN,*NP
Apr 08 2005 8"	11mmT6	MF,MS,OVAL,NND,R=G		
NGC 4579	Vir	M58	Galaxy SAB(rs)b	B,L,IR,VMBM,R
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Mar 10 2007 1.9"	12x50	F,S,R,NND,R=F		
Mar 26 2006 8"	19mmW	F.S.VA,;NND.R=F		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 4580	Vir	H124-1	Galaxy SAB(rs)a pec	PB,L,VGBM
Apr 08 2005 8"	11mmT6	MB,ML,R,NND,R=G		
NGC 4581	Vir		Galaxy E+	F,S,BM,STELL N
Apr 08 2005 8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F		
NGC 4584	Vir		Galaxy SAB(s)a?	VF,S,R
May 18 2014 18"	8mm Ds	PF,PS,OVAL,MEXT,UB,NND,R=F		
NGC 4586	Vir	H125-1	Galaxy SA(s)a: sp	PB,L,E,PSBM
Apr 08 2005 8"	11mmT6	MF,ML,EL,NND,R=G		
NGC 4589	Dra	H273-1	Galaxy E2	CB,L,LE,PGMBM
Feb 23 2006 31"	17mmT4	VB,FL,OVAL,BNUC,HISB,R=G		
NGC 4590	Hya	M68	Globular	GCL,L,ERI,VC,IR,ST12
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		

Observations Listing by Catalog Number

NGC 4592	Vir	H31-2	Galaxy SA(s)dm:	F,L,E90,VGBM
Apr 26 2009 16"	17mmT4	CF,PS,EON,UB,NND,R=F		
Apr 08 2005 8"	11mmT6	MF,ML,EL,EON,NND,AV,R=F		
NGC 4593	Vir	H183-2	Galaxy (R)SB(rs)b	PB,CL,E,SBMN=*
Apr 14 2016 12"	11mmT6	PF,S,OVAL,UB,NND,R=F		
Apr 08 2005 8"	11mmT6	MF,MS,OVAL,NND,R=F		
NGC 4594	Vir	M104 H43-1	Galaxy SA(s)a sp	VB,VL,EE92,VSMBMN
May 14 2017 12"	11mmT6	VERY NICE.		
Apr 14 2016 12"	8mm Ds	PF,PS,EON,FNUC,R=F,DUST LANE FAINT.		
May 23 2015 12"	11mmT6			
May 22 2015 12"	8mm Ds	ALWAYS GREAT. DUST LANE VISIBLE		
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Apr 02 2008 31"	40mm	PB,PL,EON,BNUC,HISB,R=E		
May 06 2007 1.9"	12x50	PB,PL,EON,NND,R=G		
Apr 19 2007 31"	17mmT4	VB,VL,EON,BNUC,VHISB,R=E!!		
Mar 26 2006 8"	19mmW	PB,PL,EON,BNUC,HISB,R=G		
Apr 05 2005 8"	7.5mmW	VB,VL,EON,NUC,HISB,R=E!!		
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 4596	Vir	H24-1	Galaxy SB(r)0+	B,PS,R,GMBM,R,3*F
Apr 08 2005 8"	11mmT6	MB,ML,OVALFNUC,R=G		
NGC 4597	Vir	H636-2	Galaxy SB(rs)m	F,VL,BM
Apr 08 2005 8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F		
NGC 4598	Vir	H105-3	Galaxy SB0	EF,L,R,VLBM
May 18 2014 18"	8mm Ds	VF,PS,OVAL,UB,NND,R=F		
NGC 4599	Vir	H509-3	Galaxy SA0/a sp	VF,VS
May 18 2014 18"	8mm Ds	VF,PS,OVAL,UB,NND,R=F		
NGC 4600	Vir	H577-2	Galaxy S0	F,S,R,2*8F
May 18 2014 18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F		
NGC 4602	Vir	H184-2	Galaxy SAB(rs)bc	F,L,E,VGLBM
Apr 08 2005 8"	11mmT6	MF,MS,EON,NND,R=F		
NGC 4604	Vir		Galaxy Im: sp	NO DESCRIPTION
May 18 2014 18"	8mm Ds	VF,VS,OVAL,PEXT,UB,NND,AV,R=F		
NGC 4605	UMa	H254-1	Galaxy SB(s)c pec	B,L,VME118,GLBM
Aug 31 2010 12"	7mm TV	DIFF,CF,PS,OVAL,UB,NND,R=F. PA=90		

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NGC 4606 Apr 08 2005 8"	Vir 11mmT6	H43-3 MF,ML,OVAL,NND,R=F	Galaxy SB(s)a:	VF,PS,E,20R3VS*INV
NGC 4607 May 18 2014 18"	Vir 8mm Ds	PF,S,EON,UB,NND,R=F,PA=179	Galaxy SBb? sp	F,ME,3OR4'F4606
NGC 4608 Apr 08 2005 8"	Vir 11mmT6	H69-2 MF,MS,OVAL,FNUC,R=G	Galaxy SB(r)0^	PB,PL,R,PSBM,R,*NP1'
NGC 4612 Apr 08 2005 8"	Vir 11mmT6	H148-2 MB,MS,OVAL,RNUC,R=G	Galaxy (R)SAB0^	PB,S,R,PSMBM
NGC 4618 Apr 14 2010 16" Apr 06 2010 12" Mar 29 2006 8"	CVn 11mmT6 11mmT6 11mmT6	H178-1 PF,PS,R,NND,R=F DIFF,PF,PS,R,NND,R=F PF,PS,OVAL,NND,AV,R=F	Galaxy SB(rs)m	B,L,E,MBM,CVDBRANCHN
NGC 4621 Mar 16 2012 18" Mar 01 2011 12" Mar 08 2010 12" Mar 20 2009 16" Mar 10 2007 1.9" Mar 26 2006 8" Mar 19 2004 8" Mar 13 2004 8"	Vir 17mmAT 17mmAT 11mmT6 26mm 12x50 19mmW 25mmPL 25mmPL	M59 2012 M.M. M.M. 2011 - MANUAL SETTING CIRCLES M.M. 2010 MANUAL SETTING CIRCLES MESSIER MARATHON - 2009 B,PS,OVAL,FNUC,R=G F,L,OVAL,NND,R=F 2004 MESSIER MARATHON - ARGO NAVIS COMPUTER = ARGO NAVIS	Galaxy E5	B,PL,LE,VSVMBM,2*P
NGC 4623 Apr 08 2005 8"	Vir 11mmT6	H149-2 MF,MS,OVAL,NND,AV,R=F	Galaxy SB0+: sp	CF,PL,E,PSLBM,R
NGC 4624 May 18 2014 18"	Vir 8mm Ds	F,S,OVAL,BNUC,R=G	Galaxy E0-1	B,E
NGC 4625 Apr 14 2010 16" Apr 06 2010 12"	CVn 11mmT6 11mmT6	H660-2 PF,PS,R,UB,NND,R=F PF,CS,OVAL,NND,AV,R=P	Galaxy SAB(rs)m pec	PF,S,R
NGC 4627 May 04 2005 8"	CVn 19mmW	H659-2 MF,VS,OVAL,NND,R=F	Galaxy E4 pec	F,S,R,NP OF 2
NGC 4630 Apr 08 2005 8"	Vir 7.5mmW	H532-2 VF,VS,OVAL,NND,AV,R=F	Galaxy IB(s)m?	CF,S,R,LBM
NGC 4631 May 04 2005 8"	CVn 19mmW	H42-5 MB,ML,EL,EON,FNUC,R=G	Galaxy SB(s)d sp	VB,VL,EE70,BMN,*ATTN
NGC 4632 Apr 26 2009 16" Apr 08 2005 8"	Vir 17mmT4 7.5mmW	H14-1 CF,CS,OVAL,NND,R=F VF,VS,OVAL,NND,R=F	Galaxy SAc	PB,L,E45

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NGC 4636	Vir	H38-2	Galaxy E	B,L,IR,VGVMBM,R
Apr 26 2009 16"	17mmT4	PB,PS,OVAL,FNUC,R=F		
Apr 28 2006 31"	19mmW	VB,VL,OVAL,BNUC,PHISB,R=G		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC 4637	Vir		Galaxy S0?	DNEB W/4638,()
Apr 14 2016 12"	11mmT6	PF,PS,OVAL,FNUC,R=F		
NGC 4638	Vir	H70-2	Galaxy S0- sp	F,R,GBM
Apr 08 2005 8"	11mmT6	MB,MS,OVAL,NND,R=G		
NGC 4639	Vir	H125-2	Galaxy SAB(rs)bc	PB,S,E,R,*12SF1'
Apr 08 2005 8"	11mmT6	MB,ML,OVAL,RNUC,R=G		
NGC 4643	Vir	H10-1	Galaxy SB(rs)0/a	CB,PS,LE,MBM
Apr 26 2009 16"	17mmT4	PF,PS,OVAL,FNUC,R=F		
Apr 28 2006 31"	19mmW	VB,VL,OVAL,BNUC,PHISB,R=G		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC 4647	Vir	H44-3	Galaxy SAB(rs)c	PF,PL,LE115,NPOFDNEB
Apr 08 2005 8"	11mmT6	MB,MS,OVAL,NND,R=G		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 4648	Dra	H274-1	Galaxy E3	PB,CS,R,GBM,**P
Feb 23 2006 31"	17mmT4	VB,FL,OVAL,BNUC,HISB,R=G		
NGC 4649	Vir	M60	Galaxy E2	VB,PL,R,FOF DNEB
Apr 14 2016 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"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Mar 10 2007 1.9"	12x50	B,PS,R,FNUC,R=G		
Mar 26 2006 8"	19mmW	F,L,OVAL,NND,R=F		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 4654	Vir	H126-2	Galaxy SAB(rs)cd	F,VL,PME,(D),3*NR
Apr 08 2005 8"	11mmT6	VF,ML,NND,R=F		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC 4656	CVn	H176-1	Galaxy SB(s)m pec	PB,L,VME34,SP OF 2
May 04 2005 8"	11mmT6	VF,ML,EL,EON,NND,R=F		
NGC 4660	Vir	H71-2	Galaxy E:	VB,S,VSVMBMN
Apr 13 2005 8"	11mmT6	MF,VS,OVAL,NND,R=G		

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NGC 4664	Vir	H142-1	Galaxy SB(s)0/a	PB,2S*IN M,(=4665)
Apr 14 2016 12"	11mmT6	PF,PS,R,UB,NND,R=G		
Jun 07 2010 12"	11mmT6	PF,PS,OVAL,UB,NND,R=F		
NGC 4665	Vir		Non-Existent	B,PL,IR,MBM,*10SP
Apr 26 2009 16"	17mmT4	PF,PS,OVAL,UB,NND,R=F		
Apr 08 2005 8"	11mmT6	VB,ML,OVAL,FNUC,R=G		
NGC 4666	Vir	H15-1	Galaxy SABc:	B,VL,ME45,PSBM
Apr 14 2010 16"	11mmT6	PF,PS,EON,FNUC,USB,R=G		
Apr 26 2009 16"	17mmT4	PB,PS,EON,FNUC,R=G		
Apr 28 2006 31"	19mmW	VB,VL,EON,BNUC,VHISB,R=G		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC 4684	Vir	H181-2	Galaxy SB(r)0+	B,PL,PME25
Apr 14 2010 16"	11mmT6	PF,PS,OVAL,VEXT,UB,NND,R=F		
NGC 4689	Com	H128-2	Galaxy SA(rs)bc	PB,VL,E,VGLBM,R
May 04 2005 8"	11mmT6	MF,ML,R,NND,R=F		
NGC 4691	Vir	H182-2	Galaxy (R)SB(s)0/a pec	PB,PL,E90,MBM
Apr 09 2008 8"	11mmT6	PF,PS,R,FNUC,MSB,R=G		
NGC 4693	Dra	H906-3	Galaxy Sd	VF,PLE
Feb 23 2006 31"	17mmT4	MB,ML,EON,UB,NND,R=G		
NGC 4697	Vir	H39-1	Galaxy E6	VB,L,LE45,SMBMN
Apr 28 2006 31"	19mmW	CB,VL,OVAL,VBNUC,VHISB,R=G		
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
NGC 4698	Vir	H8-1	Galaxy SA(s)ab	CB,PL,IR,BM,R
Apr 13 2005 8"	11mmT6	MB,ML,EON,FNUC,MSB,R=G		
NGC 4699	Vir	H129-1	Galaxy SAB(rs)b	VB,R,VMBMRN,R
Apr 28 2006 31"	19mmW	CB,CL,OVAL,BNUC,HISB,R=G		
Apr 16 2004 8"	25mmPL	CLEAR - PALM PILOT DIRECTED		
NGC 4700	Vir	H524-3	Galaxy SB(s)c? sp	F,L,ME40,VLBM,B*P
May 18 2014 18"	8mm Ds	PF,PS,EON,FNUC,R=F,PA=48		
NGC 4701	Vir	H578-2	Galaxy SA(s)cd	F,S
May 18 2014 18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F		
NGC 4703	Vir	H514-3	Galaxy Sb sp	EF,CS,PME
May 18 2014 18"	8mm Ds	PF,PS,EON,FNUC,R=G,PA=153		
NGC 4705	Vir	H610-3	Galaxy SAB(s)bc: sp	CF,PL,LE
May 18 2014 18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F		

Observations Listing by Catalog Number

NGC 4708 May 18 2014 18"	Vir 8mm Ds	H722-3 PF,PS,OVAL,UB,NND,R=F,	Galaxy SA(r)ab pec? MEGASTAR SAYS 14.5 MAG.	EF,S
NGC 4713 May 18 2014 18"	Vir 8mm Ds	H140-1 PF,PS,OVAL,FNUC,R=F	Galaxy SAB(rs)d	PB,L,VLE,GLBM
NGC 4716 May 18 2014 18"	Vir 8mm Ds	H722-3 PF,PS,OVAL,UB,NND,R=F,	Galaxy S0^ pec? PAIRED W/NGC-4717	DNEB,NPBRIGHTER\$SMBM
NGC 4717 May 18 2014 18"	Vir 8mm Ds	H722-3 VF,PS,OVAL,MEXDT,UB,NND,R=F,	Galaxy SB(rs)a pec? PAIRED W/NGC-4716	DNEB SF ONE FAINTER
NGC 4725 May 17 2005 31"	Com 11mmT6	H611-3 PB,PL,OVAL,FNUC,MSB,R=G	Galaxy SAB(r)ab pec	VB,VL,E,VG,VSVMBMEBN
NGC 4731 May 22 2004 8"	Vir 25mmPL	H41-1 DECENT NIGHT - MEGASTAR CONTROL	Galaxy SB(s)cd	VF,PL,E
NGC 4736 Mar 16 2012 18" Mar 01 2011 12" Mar 08 2010 12" Mar 20 2009 16" Mar 08 2007 1.9" Mar 26 2006 8" Mar 19 2004 8" Dec 30 2003 8"	CVn 17mmAT 17mmAT 26mm 26mm 12x50 19mmW 25mmPL 25mmPL	M94 2012 M.M. M.M. 2011 - MANUAL SETTING CIRCLES M.M. 2010 MANUAL SETTING CIRCLES MESSIER MARATHON - 2009 PF,S,R,NND,R=F PB,S,OVAL,BNUC,HISB,R=G 2004 MESSIER MARATHON - ARGO NAVIS H/M COLD	Galaxy (R)SA(r)ab	VB,L,IR,VSVMBMBN,R
NGC 4739 May 14 2007 31"	Vir 17mmT4	H515-3 DIFF,PF,PL,R,NND,R=F	Galaxy E+ pec:	F,PL,LE,PGLBM
NGC 4742 Apr 13 2005 8"	Vir 11mmT6	H133-1 MF,MS,EL,FNUC,R=F	Galaxy E4:	PB,VS,VBMN=*11,*10SF
NGC 4749 Feb 23 2006 31"	Dra 17mmT4	H907-3 MB,ML,EON,UB,NND,R=G	Galaxy Sb? sp	VF,CL,E135
NGC 4750 Feb 23 2006 31"	Dra 17mmT4	H78-4 VB,VL,R,BNUC,HISB,R=G	Galaxy (R)SA(rs)ab	PB,L,R,VG,VSBM
NGC 4753 Apr 28 2006 31" May 22 2004 8"	Vir 19mmW 25mmPL	H16-1 CB,CL,OVAL,BNUC,MSB,R=G DECENT NIGHT - MEGASTAR CONTROL	Galaxy I0	CB,L,VLE,VGLBM
NGC 4754 Apr 28 2006 31" Apr 14 2004 8"	Vir 19mmW 25mmPL	H25-1 CB,CL,OVAL,UB,FNUC,MSB,R=G CLEAR NIGHT - MEGASTAR CONTROL	Galaxy SB(r)0-:	B,PL,R,PSBM,P OF 2

Observations Listing by Catalog Number

NGC 4756 Sep 15 2004 8"	Crv 7.5mmW	H281-3 EF,PATCH,NND,AV,R=F, MAG=13.0	Galaxy SAB(s)0^?	VF,PS,RESOLVABLE
NGC 4759B May 18 2007 31"	Vir 17mmT4	CB,PL,R,BNUC,HISB,R=E	Non-Existent	
NGC 4760 Apr 13 2005 8"	Vir 11mmT6	VF,ML,OVAL,NND,AV,R=F	Galaxy E0?	PB,R
NGC 4761 May 18 2007 31"	Vir 17mmT4	CB,PL,OVAL,BNUC,HISB,R=E	Galaxy E+	EF,ES,1'F DNEB4759
NGC 4762 Apr 28 2006 31" Apr 14 2004 8"	Vir 19mmW 25mmPL	H75-2 CB,VL,EON,BNUC,VHISB,R=G CLEAR NIGHT - MEGASTAR CONTROL	Galaxy SB(r)0^? sp	PB,VME31,3B*S,F OF 2
NGC 4764 May 18 2007 31"	Vir 17mmT4	PB,PS,OVAL,NND,MSB,R=G	Galaxy S?	EF,ES,SF DNEB 4759
NGC 4772 Apr 08 2005 8"	Vir 11mmT6	H24-2 VB,VS,EL,NND,R=F	Galaxy SA(s)a	PF,PS,R,MBM
NGC 4775 Apr 14 2016 12"	Vir 11mmT6	H186-2 VF,PS,R,UB,NND,R=F	Galaxy SA(s)d	F,CL,R,VGLBM,R
NGC 4778 May 18 2007 31"	Vir 17mmT4	CB,PL,R,BNUC,HISB,R=E	Galaxy S0+ sp	VF,S,R,VLBM,F OFDNEB
NGC 4781 Apr 13 2005 8"	Vir 11mmT6	H134-1 MF,ML,EL,NND,R=F	Galaxy SB(rs)d	CB,VL,ME
NGC 4800 Mar 29 2006 8"	CVn 11mmT6	H211-1 PF,PS,R,NND,R=F	Galaxy SA(rs)b	PB,CS,R,PSBM,*14P
NGC 4809 May 18 2007 31"	Vir 17mmT4	CF,PL,EON,NND,R=F	Galaxy Im pec	F,DNEB W/4810
NGC 4810 May 18 2007 31"	Vir 17mmT4	PF,PS,OVAL,NND,R=F	Galaxy Im pec	F,DNEB W/4809
NGC 4816 May 18 2009 31"	Com 17mmT4	H383-2 PB,PS,OVAL,BNUC,MHISB,R=G	Galaxy S0-:	VF,PL
NGC 4818 May 22 2004 8"	Vir 25mmPL	H549-2 DECENT NIGHT - MEGASTAR CONTROL	Galaxy SAB(rs)ab pec:	PB,L,PME0,GBM
NGC 4824 May 18 2009 31"	Com 17mmT4	PF,CS,R,UB,NND,R=F	Galaxy SA0	VF,VS

Observations Listing by Catalog Number

NGC 4826	Com	M64	Galaxy (R)SA(rs)ab	VB,VL,VME120,BMSBN
May 14 2017 12"	11mmT6	R=E		
Sep 19 2014 12"	17mmAT	PF,L,OVAL,FNUC,R=F, HOME - 8/14/14		
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Mar 10 2007 1.9"	12x50	B,PL,OVAL,NND,R=G		
Mar 26 2006 8"	19mmW	PB,PL,EL,OVAL,BNUC,R=G		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 4845	Vir	H536-2	Galaxy SA(s)ab sp	PF,PL,PME,VGBM,*NF
May 04 2005 8"	11mmT6	MF,MS,EL,EON,FNUC,R=G		
NGC 4856	Vir	H68-1	Galaxy SB(s)0/a	B,R,PSMBM,*13NP
Apr 28 2006 31"	19mmW	CB,CL,EL,EON,BNUC,MSB,R=G		
Apr 16 2004 8"	25mmPL	CLEAR - PALM PILOT DIRECTED		
NGC 4857	Dra	H908-3	Galaxy SABb	EF,VS,IR,VLBM
Feb 23 2006 31"	17mmT4	PB,FL,OVAL,FNUC,MSB,R=G		
NGC 4861	CVn	H30-4	Galaxy SB(s)m:	VF,PL,VME30,BET2ST
Apr 06 2010 12"	11mmT6	PF,PS,EON,NND,AV,R=F		
NGC 4866	Vir	H162-1	Galaxy SA(r)0+: sp	B,PL,ME90,SBMN,S*INV
Apr 28 2006 31"	19mmW	CN.VL,EON,BNUC,MSB,R=G		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC 4874	Com	H389-2	Galaxy E+0	F,4869\$72 P
Apr 18 2012 18"	8.8 ES	PF,PS,R,UB,NND,R=F		
NGC 4880	Vir	H83-3	Galaxy SA(r)0+:	CF,PL,R,VGLBM,R
Apr 09 2008 8"	11mmT6	VF,CS,R,NND,LSB,AV,R=F		
NGC 4889	Com	H391-2	Non-Existent	PB,PME,BM,*7N
Apr 18 2012 18"	8.8 ES	PF,PS,R,MEXT,UB,NND,R=F		
Apr 13 2005 8"	7.5mmW	VF,VS,NND,AV,R=F		
NGC 4900	Vir	H143-1	Galaxy SB(rs)c	CB,CE,*10ATT POS135
Apr 28 2006 31"	19mmW	FB,PL,R,UB,NND,R=F		
NGC 4902	Vir	H69-1	Galaxy SB(r)b	PB,PL,IR,ST NR
Apr 09 2008 8"	11mmT6	VF,CS,R,NND,LSB,AV,R=F		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC 4904	Vir	H517-2	Galaxy SB(s)cd	PB,PS,R,BM
Apr 09 2008 8"	11mmT6	VF,CS,R,NND,AV,R=F		

Observations Listing by Catalog Number

NGC 4914 Mar 26 2009 16"	CVn 17mmT4	H645-2 PF,PS,OVAL,FNUC,R=F	Galaxy E	PB,CS,R,SMBM,*17NP
NGC 4915 Apr 09 2008 8"	Vir 11mmT6	H47-4 VF,VS,R,NND,AV,R=F	Galaxy E0	PB,S,R,BM
NGC 4928 Apr 09 2008 8"	Vir 11mmT6	H190-2 VF,PL,OVAL,NND,LSB,R=F	Galaxy SA(s)bc pec	F,PS,VLE,GLBM
NGC 4931 Apr 13 2005 8"	Com 11mmT6	H190-2 VB,ML,OVAL,FNUC,MSB,R=G	Galaxy S0 sp	F,S
NGC 4933A May 18 2007 31"	Vir 17mmT4	H190-2 CB,PL,OVAL,BNUC,HISB,R=G	Galaxy S0/a pec	
NGC 4933B May 18 2007 31"	Vir 17mmT4	H190-2 PB,PS,OVAL,FNUC,MSB,R=G	Galaxy E pec	
NGC 4939 Apr 09 2008 8" May 22 2004 8"	Vir 11mmT6 25mmPL	H561-2 DIFF,VF,PL,OVAL,NND,LSB,R=F DECENT NIGHT - MEGASTAR CONTROL	Galaxy SA(s)bc	PB,L,R,GMBM
NGC 4941 Apr 09 2008 8"	Vir 11mmT6	H40-1 PF,CS,EL,OVAL,UB,NND,R=F	Galaxy (R)SAB(r)ab:	PF,L,E,GBMBN,R
NGC 4956 Mar 28 2011 12"	CVn 7mm TV	H413-2 PF,CS,R,FNUC,R=F	Galaxy S0	PB,CS,R,SMBM
NGC 4958 Apr 28 2006 31" May 22 2004 8"	Vir 19mmW 25mmPL	H130-1 CB,P,EON,BNUC,HISB,R=G DECENT NIGHT - MEGASTAR CONTROL	Galaxy SB(r)0? sp	VB,PS,E,BMBN
NGC 4981 Apr 09 2008 8"	Vir 11mmT6	H189-2 PF,CS,R,NND,LSB,R=F	Galaxy SAB(r)bc	B,PL,R,*10SF1'
NGC 4984 Apr 09 2008 8"	Vir 11mmT6	H301-2 PB,PS,OVAL,FNUC,MSB,R=G	Galaxy (R)SAB(rs)0+	B,PL,R,PSMBM
NGC 4995 Apr 28 2006 31" May 22 2004 8"	Vir 19mmW 25mmPL	H42-1 PB,CL,OVAL,FNUC,MSB,R=F DECENT NIGHT - MEGASTAR CONTROL	Galaxy SAB(rs)b	PB,PL,R,VGPMBM,*8NP
NGC 4999 Apr 09 2008 8"	Vir 11mmT6	H537-2 DIFF,VF,PS,OVAL,NND,AV,R=F	Galaxy SB(r)b	CF,PL,R,LBM,ER
NGC 5005 Apr 06 2010 12" Apr 26 2006 8" Apr 16 2004 8"	CVn 11mmT6 11mmT6 25mmPL	H96-1 PB,PS,EON,BNUC,R=G PB,PL,EON,BNUC,R=G CLEAR - MEGASTAR CONTROL	Galaxy SAB(rs)bc	VB,VL,VME66,VSBMN

Observations Listing by Catalog Number

NGC 5012 Apr 16 2009 16"	Com 17mmT4	H85-1 PF,PS,OVAL,UB,NND,R=F	Galaxy SAB(rs)c	PF,CL,E17,BIN,*9F
NGC 5018 Apr 09 2008 8" May 22 2004 8"	Vir 11mmT6 25mmPL	H746-2 PB,PS,OVAL,FNUC,R=G DECENT NIGHT - MEGASTAR CONTROL	Galaxy E3:	CB,S,R,MBMPBN
NGC 5020 Apr 09 2008 8"	Vir 11mmT6	H129-2 PF,PS,R,FNUC,LSB,R=G	Galaxy SAB(rs)bc	CF,CL,VLE,LBM
NGC 5022 May 30 2014 18"	Vir 8mm Ds		Galaxy SBb pec sp	VF,PL,E30,GBM,F5018
NGC 5023 Mar 28 2011 12"	CVn 7mm TV	H664-2 PF,PS,EON,UB,NND,R=F,PA=90	Galaxy Scd: sp	PF,L,ME20,VLBM
NGC 5024 May 30 2016 12" Mar 16 2012 18" Mar 01 2011 12" Mar 08 2010 12" Mar 20 2009 16" Mar 10 2007 1.9" Mar 26 2006 8" Mar 19 2004 8"	Com 8mm Et 17mmAT 17mmAT 11mmT6 26mm 12x50 19mmW 25mmPL	M53 FMSMR=G. RESOLVED OUTER STARS 2012 M.M. M.M. 2011 - MANUAL SETTING CIRCLES M.M. 2010 MANUAL SETTING CIRCLES MESSIER MARATHON - 2009 PB,PL,R=G,COMPRESSED PB,L,HSB,R=G, DENSE 2004 MESSIER MARATHON - ARGO NAVIS	Globular	GCL,B,VC,IR,VVMBM,
NGC 5033 Apr 06 2010 12" Apr 26 2006 8" Apr 16 2004 8"	CVn 11mmT6 11mmT6 25mmPL	H97-1 PF,PS,EXT,OVAL,UB,NND,R=F B,L,EON,ND,R=F CLEAR - MEGASTAR CONTROL	Galaxy SA(s)c	VB,PL,E167,SMBMVBN
NGC 5037 Apr 09 2008 8"	Vir 11mmT6	H510-2 VF,VS,EON,NND,AV,R=F	Galaxy SA(s)a:	CF,PS,VLE,BM
NGC 5044 Apr 09 2008 8"	Vir 11mmT6	H511-2 PF,CS,R,FNUC,MSB,R=G	Galaxy E0	PB,PL,R,BM
NGC 5053 May 30 2016 12" Mar 10 2007 1.9" May 12 2005 31"	Com 8mm Et 12x50 19mmW	H7-6 VF,S,R=F PB,PL,R=G,COMPRESSED FAINT,OVAL,R=F	Globular	CL,VF,PL,IR,VGBM,*15
NGC 5054 Apr 28 2006 31"	Vir 19mmW	H513-2 CB,PL,OVAL,UB,NND,R=F	Galaxy SA(s)bc	F,PS,IR

Observations Listing by Catalog Number

NGC 5055	CVn	M63	Galaxy SA(rs)bc	VB,L,PME120,VSMBMBN
May 14 2017 12"	11mmT6	R=E		
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Mar 10 2007 1.9"	12x50	F,FL,OVAL,NND,R=G		
Mar 26 2006 8"	19mmW	PB,PL,EON,BNUC,HISB,R=G		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Dec 30 2003 8"	25mmPL	H/M COLD		
NGC 5056	Com	H306-3	Galaxy Scd:	CF,CS,R,SP OF 2
Apr 16 2009 16"	17mmT4	VF,PS,OVAL,UB,NND,AV,R=F		
NGC 5061	Hya	H138-1	Galaxy E0	VB,S,R,VSMBM,*1OF
Mar 01 2011 12"	11mmT6	PF,PS,R,BNUC,R=G		
NGC 5068	Vir	H312-2	Galaxy SAB(rs)cd	F,L,IR,BM
Apr 26 2009 16"	11mmT6	PF,PL,R,UB,NND,R=F		
Apr 09 2008 8"	11mmT6	DIFF,VF,PL,R,NND,AV,R=F		
Jun 23 2004 8"	25mmPL	QUARTER MOON, LEFT @1:30AM.		
NGC 5077	Vir	H193-2	Galaxy E3-4	PB,S,VLE,SBM,2ND OF3
Apr 09 2008 8"	11mmT6	PF,PS,OVAL,UB,FNUC,R=G		
NGC 5078	Hya	H566-2	Galaxy SA(s)a: sp	PB,PS,CE,PSBM,*7,8F
Mar 01 2011 12"	11mmT6	CF,PS,OVAL,MEXT,UB,NND,R=F		
NGC 5084	Vir	H313-2	Galaxy S0 sp	CB,CS,VLE90,BF
Apr 09 2008 8"	11mmT6	PF,PL,EON,UB,FNUC,R=G		
NGC 5087	Vir	H724-3	Galaxy SA0:	CF,VS,IF
Apr 09 2008 8"	11mmT6	PF,PS,OVAL,FNUC,MSB,R=G		
NGC 5103	CVn	H665-2	Galaxy S?	PB,CS,E
Mar 28 2011 12"	7mm TV	PF,VS,OVAL,UB,NND,R=F		
NGC 5112	CVn	H646-2	Galaxy SB(rs)cd	F,L,IR,VGLBM
Apr 06 2010 12"	11mmT6	DIFF,PF,PS,OVAL,NND,R=P		
NGC 5127	CVn	H328-2	Galaxy E pec	PB,PL,R,GMBM,**P
Apr 06 2010 12"	11mmT6	DIFF,PF,PS,OVAL,NND,R=P		
NGC 5128	Cen		Galaxy S0 pec	VB,VL,VME122,BIFID
Mar 21 2009 31"	17mmT4	DIFF,VL,VF,NND,LSB,R=F		
NGC 5129	Vir	H653-2	Galaxy E	PB,VS,R,GMBM,**F
Apr 09 2008 8"	11mmT6	PF,PS,R,NND,AV,R=F		

Observations Listing by Catalog Number

NGC 5134 Apr 09 2008 8"	Vir 11mmT6	H314-2 VF,VS,OVAL,NND,AV,R=F	Galaxy SA(s)b?	F,PS,LE,VGBM
NGC 5144 Sep 02 2016 12"	UMi 8mm Et	H70-4 VF,VS,OCAL,UB,NND,R=F	Galaxy SAc? pec	(PLN),CB,S,R,G,SLBM
NGC 5145 Apr 06 2010 12"	CVn 11mmT6	H667-2 PF,CS,OVA,UB,NND,R=F	Galaxy S?	PB,VS,VLE,GLBM
NGC 5146 Apr 06 2010 12"	Vir 11mmT6	H115-3 CF,CS,R,UB,NND,R=F	Galaxy E/S0	VF,VS,STELLAR
NGC 5173 Apr 06 2010 12"	CVn 11mmT6	H672-3 VF,VS,OVAL,NND,AV,R=P	Galaxy E0:	F,VS,R,STELLAR
NGC 5194 May 14 2017 12" Apr 14 2016 12" Aug 21 2015 12" Jul 15 2015 12" May 23 2015 12" Sep 19 2014 12" May 30 2014 36" May 30 2014 18" Jul 13 2013 18" Mar 16 2012 18" Jul 04 2011 12" Mar 01 2011 12" Mar 08 2010 12" Mar 20 2009 16" Jan 11 2007 1.9" Mar 26 2006 8" Apr 08 2005 31" Mar 19 2004 8" Dec 30 2003 8"	CVn 11mmT6 8mm Ds 11mmT6 17mmT4 8mm Ds 17mmAT 17mmT4 8mm Ds 7mm TV 17mmAT 7mm TV 17mmAT 26mm 26mm 12x50 19mmW 28mm 25mmPL 25mmPL	M51 B,S,R,BNUC,R=E. SOME STRUCTURE NOTED IN ARMS R,S,R,FNUC,R=G,FAINT STRUCTURE NOTED MOON WAS 7 DAYS OLD. NOT THE BEST FOR GALAXIES. JUST CRUSIN' CAN JUST SEE SPIRAL STRUCTURE 5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14 GREAT VIEW. SPIRAL STRUCTURE NOTED. MORE DETAIL THAN THE 36". M51 AT ZENITH. MORE EYE CANDY - WHIRLPOOL GALAXY 2012 M.M. SUPERNOVE SEEN, REMARKABLE ARM STRUCTURE, R=GREAT M.M. 2011 - MANUAL SETTING CIRCLES M.M. 2010 MANUAL SETTING CIRCLES MESSIER MARATHON - 2009 VB,PL,OVAL,BNUC,R=G VB,PL,OVAL,BNUC,R=G VB,VL,OVAL,BNUC,R=E!! 2004 MESSIER MARATHON - ARGO NAVIS H/M COLD	Galaxy SA(s)bc pec	GREAT SPIRAL NEBULA
NGC 5195 Apr 14 2016 12" Aug 21 2015 12" May 23 2015 12" May 30 2014 36" May 30 2014 18" Jul 13 2013 18" Apr 26 2006 8" Apr 16 2004 8"	CVn 8mm Ds 17mmT4 8mm Ds 17mmT4 8mm Ds 7mm TV 11mmT6 25mmPL	H186-1 F,PS,R,UB,NND,R=F,COULD NOT SEE LINK TO M51 COMPANION TO M51 GREAT VIEW. MORE DETAIL THAN THE 36". AT ZENITH MORE EYE CANDY - MAYTAG GALAXY PB,L,OVAL,FNUC,MSB,R=G CLEAR - MEGASTAR CONTROL	Galaxy I0 pec	B,PS,LE,VGBM,INV-M51
NGC 5198 Apr 06 2010 12"	CVn 11mmT6	H689-2 PF,CS,R,UB,NND,R=F	Galaxy E1-2:	PF,PS,R,MBM

Observations Listing by Catalog Number

NGC 5204	UMa	H63-4	Galaxy SA(s)m	PB,CL,IR,GMBM,R
Mar 01 2011 12"	11mmT6	PF,PS,OVAL,UB,NND,R=F		
NGC 5221	Vir	H86-3	Galaxy Sb:	VF,S,VLE,1ST OF 3
May 23 2012 18"	8.8 ES	PF,PS,EON,FNUC,MSB,R=F,PA=120		
NGC 5222	Vir	H85-3	Galaxy E	CF,S,R,BM,2ND OF 3
May 23 2012 18"	8.8 ES	VF,CS,OVAL,MEXT,UB,,NND,AV2,R=F,PA=50		
NGC 5230	Vir	H87-3	Galaxy SA(s)c	F,L,E,VGBM,3RD OF 3
May 23 2012 18"	8.8 ES	PF,PS,R,UB,NND,R=F		
NGC 5236	Hya	M83	Galaxy SAB(s)c	VB,VL,E55,ESBMN,SPIR
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Mar 27 2006 8"	19mmW	DIFF,F,L,OVAL,,NND,R=F		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC 5247	Vir	H297-2	Galaxy SA(s)bc	CF,VL,VG,PSMBMLN,
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC 5248	Boo	H34-1	Galaxy SAB(rs)bc	B,L,E150,PSBMRN
Jul 01 2016 12"	8mm Et	MB,ML,OVAL, FNUC,R=G		
May 04 2005 8"	11mmT6	MB,ML,OVAL,FNUC,R=G		
NGC 5257	Vir	H895-2	Galaxy SAB(s)b pec	VF,S,R,BM,P OF DNEB
May 23 2012 18"	8.8 ES	PF,CS,OVAL,MEXT,FNUC,R=G,PA=135, PAIRED WITH NGC-5258, NO INTERATION VISIBLE		
NGC 5258	Vir	H896-2	Galaxy SA(s)b: pec	F,S,IR,F OF DNEB
May 23 2012 18"	8.8 ES	PF,PS,OVAL,MEXT,FNUC,R=G,PA=45, PAIRED W/NGC-5257, NO INTERATION VISIBLE		

Observations Listing by Catalog Number

NGC 5272	CVn	M3	Globular	GCL,EB,VL,VSMBM,*11.
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 5273	CVn	H98-1	Galaxy SA(s)0^	CB,PL,R,G,PSMBM
Mar 29 2006 8"	11mmT6	PF,PS,R,NND,AV,R=F		
NGC 5293	Boo	H6-5	Galaxy SA(r)c	EF,VL,RESOLVABLE
Jul 05 2016 12"	8mm Et	VF,VS,OVAL,MEXT,UB,NND,R=F		
NGC 5295	Cam	H946-3	Galaxy	VF,VS,R
May 25 2014 18"	8mm Ds	VF,VS,R,NND,AV3,R=P		
NGC 5308	UMa	H255-1	Galaxy S0- sp	B,PL,ME57,PSMBM
Mar 01 2011 12"	11mmT6	PF,CS,EON,FNUC,R=G		
NGC 5322	UMa	H256-1	Galaxy E3-4	VB,PL,IR,PSMBM
Mar 18 2007 8"	11mmT6	PB,L,OVAL,FNUC,HISB,R=G		
NGC 5332	Boo		Galaxy S0-:	VF,S,R
Jul 05 2016 12"	8mm Et	VF,VS,R,UB,NND,R=F		
NGC 5350	CVn	H713-2	Galaxy SB(r)b	CF,PL,BM,*7P,1ST OF4
May 12 2005 31"	19mmW	VB,ML,OVAL,FNUC,MSB,R=G		
NGC 5353	CVn	H714-2	Galaxy S0 sp	PB,S,R,2ND OF 4
May 12 2005 31"	19mmW	VB,ML,OVAL,BNUC,PHISB,R=G		
NGC 5354	CVn	H715-2	Galaxy S0 sp	PF,S,R,3RD OF 4
May 12 2005 31"	19mmW	VB,ML,OVAL,BNUC,R=G		
NGC 5355	CVn	H699-3	Galaxy S0?	VF,PS,4TH OF 4
May 12 2005 31"	19mmW	MB,ML,EL,OVAL,FNUC,R=G		

Observations Listing by Catalog Number

NGC 5358	CVn		Galaxy S0/a	VF,VS,R,2VF*INV
May 12 2005 31"	19mmW	MB,FS,EL,OVALFNUC,R=G		
NGC 5363	Vir	H6-1	Galaxy I0?	B,PL,R,PSBM,*8NF
Apr 14 2016 12"	11mmT6	PF,PS,OVAL,UB,NND,R=F		
Apr 28 2006 31"	19mmW	PB,S,R,FNUC,MSB,R=G		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC 5364	Vir	H534-2	Galaxy SA(rs)bc pec	CF,L,R,GBM
Apr 28 2006 31"	19mmW	B,CS,R,NND,R=F		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC 5371	CVn	H716-2	Galaxy SBbc	PB,L,R,BMFn
May 12 2005 31"	19mmW	MB,ML,OVAL,BNUC,HISB,R=G		
NGC 5383	CVn	H181-1	Galaxy (R')SB(rs)b: p	CB,CL,R,GBM
Mar 28 2011 12"	7mm TV	PF,PS,R,FNUC,R=G		
NGC 5414	Boo		Galaxy S?	S,F*CENTRE,*10,11NF
Jul 05 2016 12"	8mm Et	VF,VS,R,UB,NND,R=F		
NGC 5416	Boo	H56-3	Galaxy Scd:	EF,VS,E,R
Jul 05 2016 12"	8mm Et	VF,VS,R,UB,NND,R=F		
NGC 5417	Boo	H11-3	Galaxy Sa	CF,S,R,PSBM,*P
Jul 05 2016 12"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F		
NGC 5423	Boo		Galaxy S0-:	VF,R,*IN CENTRE
Jul 05 2016 12"	7mm TV	VF,PS,OVAL,UB,NND,R=F		
NGC 5426	Vir	H309-2	Galaxy SA(s)c pec	PF,CL,R,GMBM,SP OF 2
May 30 2016 12"	8mm Ds	VF,VS,OVAL,NND,R=F. PAIRED W/NGC-5427		
May 23 2012 18"	8.8 ES	PB,PS,OVAL,FNUC,MSB,R=G,PA=5, PAIRED WITH NGC-5427		
Apr 09 2008 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 5427	Vir	H310-2	Galaxy SA(s)c pec	PF,CL,R,NF OF 2
May 30 2016 12"	8mm Ds	VF,VS,OVAL,NND,R=F. PAIRED W/NGC-5426		
May 23 2012 18"	8.8 ES	PF,PL,OVAL,MEXT,FNUC,R=G, PA=90, PAIRED WITH NGC-5426		
NGC 5430	UMa	H827-2	Galaxy SB(s)b	PB,S,IE,MBM
Mar 01 2011 12"	11mmT6	CF,CS,OVAL,MEXT,UB,NND,R=F		
NGC 5434A	Boo		Non-Existent	
Jul 05 2016 12"	7mm TV	VVF,VS,EON,UB,NND,R=F,AV2		
NGC 5434B	Boo		Galaxy Sc	
Jul 05 2016 12"	7mm TV	VVF,VS,EON,UB,NND,R=F,AV2		

Observations Listing by Catalog Number

NGC 5440	CVn	H416-2	Galaxy Sa	PF,CS,LE,BM,*11SP
Mar 28 2011 12"	7mm TV	PF,PS,OVAL,VEXT,FNUC,R=G		
NGC 5443	UMa	H799-2	Galaxy SB(s)b?	PF,L,E
Mar 01 2011 12"	11mmT6	VF,CS,OVAL,PEXT,UB,NND,AV,R=F		
NGC 5444	CVn	H417-2	Galaxy E+:	PB,PL,IVLE,VSMBM
Mar 28 2011 12"	7mm TV	DIFF,CF,PS,OVAL,MEXT,UB,R=F		
NGC 5445	CVn	H413-3	Galaxy S0?	F,*13P
Mar 28 2011 12"	7mm TV	CF,CS,OVAL,VEXT,UB,NND,R=F		
NGC 5447	UMa	H787-3	Knot in Galaxy	PB,S,R,GMBM,CONNM101
Mar 01 2011 12"	11mmT6	BRIGHT SPOT SW SIDE OF - KNOT IN GALAXY		
NGC 5448	UMa	H691-2	Galaxy (R)SAB(r)a	PB,CL,VME90,SMBMN
Mar 01 2011 12"	11mmT6	VF,CS,OVAL,MEXT,UB,NND,R=F		
NGC 5457	UMa	M101	Galaxy SAB(rs)cd	PB,VL,IR,G,VSMBMBSN 4
Jul 15 2015 12"	17mmT4			
Sep 19 2014 12"	17mmAT	5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14		
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		
Aug 20 2006 1.9"	12x50	F,S,OVAL,NND,R=F		
Mar 26 2006 8"	19mmW	F,L,OVAL,NND,R=F		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
Mar 10 2004 8"	25mmPL	N/M, NO COMPUTER		
NGC 5462	UMa	H789-3	Knot in Galaxy	PB,PL,IR,GBM,CONM101
Mar 01 2011 12"	11mmT6	BRIGHT SPOT SE SIDE - KNOT IN GALAXY		
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 5473	UMa	H231-1	Galaxy SAB(s)0-:	PB,S,R,GBM
Sep 19 2014 12"	17mmAT	5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14		
Mar 18 2007 8"	11mmT6	PF,PS,OVAL,UB,NND,R=F		
NGC 5474	UMa	H214-1	Galaxy S(c)	PB,L,BM
Mar 18 2007 8"	11mmT6	VF,PS,R,NND,AV,R=F		
NGC 5480	UMa	H692-2	Galaxy SA(s)c:	F,PS,VGBM,NP OF 2
Apr 16 2009 16"	17mmT4	PF,PS,R,UB,NND,R=F		

Observations Listing by Catalog Number

NGC 5481 Apr 16 2009 16"	UMa 17mmT4	H693-2 PF,PS,R,UB,NND,R=F	Galaxy E+	F,VS,SMBM,STELL,SF-2
NGC 5485 Mar 18 2007 8"	UMa 11mmT6	H232-1 PF,PS,R,NND,AV,R=F	Galaxy SA0 pec	CB,R,VGBM,F OF 2
NGC 5490 May 21 2009 16"	Boo 11mmT6	H32-3 PF,PS,OVAL,UB,NND,R=F	Galaxy E	CF,CS,R,SBMF**
NGC 5490C May 22 2006 31" May 22 2006 31"	Boo 19mmW 19mmW	Boo PB,PS,OVAL,FNUC,R=G F,CS,OVAL,NND,R=F	Galaxy SB(s)bc	
NGC 5492 Jun 03 2005 31"	Boo 11mmT6	H876-2 MB,ML,EL,EON,NND,R=G	Galaxy Sb pec?	PB,VS,E
NGC 5493 May 19 2010 12"	Vir 7.5mmW	H46-4 PF,CS,OVAL,MEXT,BNUC,R=G	Galaxy S0 pec sp	PB,VS,R,PSMBM*,*18IN
NGC 5497 May 22 2006 31"	Boo 19mmW	Boo F,S,OVL,NND,R=F	Galaxy SB(s)b	EF,S,R,LBM
NGC 5504A Jul 05 2016 12"	Boo 7mm TV	Boo PF,VS,OVAL,UB,NND,R=F	Non-Existent	
NGC 5506 May 19 2010 12"	Vir 7.5mmW	H687-2 DIFF,CF,PS,EON,NND,R=F	Galaxy Sa pec sp	PB,L,E20,LBM
NGC 5507 May 19 2010 12"	Vir 7.5mmW	H49-4 PF,CS,OVAL,MEXT,FNUC,MR=G	Galaxy SAB(r)0^	CF,S,R,STELLAR
NGC 5509 Jun 03 2005 31"	Boo 11mmT6	Boo MB,VS,OVAL,NND,R=F	Galaxy E/S0	VF,S,R,STELLAR NUCL
NGC 5513 Jun 03 2005 31"	Boo 11mmT6	H877-2 MB,MS,EL,FNUC,MSB,R=G	Galaxy S0	PB,PL,IR
NGC 5515 Jul 05 2016 12"	Boo 7mm TV	H685-3 VF,VS,OVAL,UB,NND,AV,R=F	Galaxy Sab	VF,S,VLE
NGC 5520 Apr 29 2011 12" May 21 2009 16"	Boo 7mm TV 11mmT6	H676-3 PF,PS,OVAL,MEXT,FNUC,R=F PF,PS,OVAL,UB,NND,R=F	Galaxy Sb	F,S,LE,STELLAR
NGC 5523 May 21 2009 16"	Boo 11mmT6	H134-3 PF,PS,EON,UB,NND,R=F	Galaxy SA(s)cd:	F,PL,PME90,*10NP

Observations Listing by Catalog Number

NGC 5529	Boo	H414-3	Galaxy Sc: sp	CF,PL,VME110,VGVMBM
Apr 26 2009 16"	11mmT6	CF,CS,EON,UB,NND,R=F		
May 13 2007 8"	11mmT6	VF,PS,EON,NND,AV,R=F		
NGC 5532A	Boo		Non-Existent	
Jul 05 2016 12"	8mm Et	VF,VS,FNUC,R=F,PAIRED W/NGC-5532B		
NGC 5532B	Boo		Galaxy S0	
Jul 05 2016 12"	8mm Et	VF,VS,OVAL,UB,NND,R=F,PAIRED W/NGC-5532A		
NGC 5533	Boo	H418-2	Galaxy SA(rs)ab	PB,R,VSMBM,20R3*INV
Apr 26 2009 16"	11mmT6	PF,PS,EL,OVAL,FNUC,R=F		
May 13 2007 8"	11mmT6	PF,PS,OVAL,NND,R=F		
NGC 5534	Vir		Galaxy (R')SAB(s)ab p:	PF,ST INV,*12NP
May 18 2014 18"	8mm Ds	PF,PS,OVAL,FNUC,R=F		
NGC 5536	Boo	H731-3	Galaxy SBa	CF,VS,R,SP OF 2
May 22 2006 31"	19mmW	PB,CS,R,NND,R=G		
NGC 5541	Boo	H732-3	Galaxy S?	CF,S,R,GBM,NF OF 2
May 22 2006 31"	19mmW	CB,PL,OVAL,FNUC,R=G		
NGC 5548	Boo	H194-2	Galaxy (R')SA(s)0/a	CF,PS,R,VSVMBM*
May 13 2007 8"	11mmT6	PF,PS,R,NND,R=F		
NGC 5549	Vir	H552-3	Galaxy S0	VF,VS,R
May 18 2014 18"	8mm Ds	PF,PS,OVAL,MET,FNUC,R=F		
NGC 5557	Boo	H99-1	Galaxy E1	CB,S,R,VSBM*
Mar 29 2006 8"	11mmT6	F,S,R,FNUC,R=F		
NGC 5559	Boo	H347-3	Galaxy SBb	VF,S,VLE,BM
May 04 2005 8"	11mmT6	MB,MS,OVAL,FNUC,R=G		
NGC 5560	Vir	H579-2	Galaxy SB(s)b pec	PF,CL,E,GBM
May 30 2016 12"	8mm Ds	PF,PS,VEXT,NND,R=G		
May 23 2012 18"	8.8 ES	PB,PS,EON,FNUC,HSB,R=F,PA=150		
Apr 28 2006 31"	19mmW	B,PL,EON,UB,NND,R=F		
NGC 5566	Vir	H144-1	Galaxy SB(r)ab	B,PL,R,PSBM,R,*F1.5'
May 30 2016 12"	8mm Ds	PF,PS,PEXT,FNUC,R=G		
May 23 2012 18"	8.8 ES	PB,PS,OVAL,PEXT,BNUC,R=G, PAIRED WITH NGC-5569		
Apr 28 2006 31"	19mmW	CB,CL,EON,BNUC,HISB,R=G		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC 5569	Vir		Galaxy SAB(rs)cd:	EF,PL,R
May 30 2016 12"	8mm Ds	VF,VS,R,NND,R=F		
May 23 2012 18"	8.8 ES	PF,PS,OVAL,MEXT,UB,NND,AV1,R=F, PAIRED WITH NGC-5566		

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NGC 5574	Vir	H145-1	Galaxy SB0:-? sp	PF,PS,LE,P OF 2
May 30 2016 12"	7mm TV	PF,PS,OVAL,NND,R=F		
Apr 28 2006 31"	19mmW	F,CL,OVAL,UB,NND,R=F		
NGC 5576	Vir	H146-1	Galaxy E3	B,S,R,VSMBM,F OF 2
May 30 2016 12"	7mm TV	F,PS,OVAL,MEXT,FNUC,R=F		
Apr 28 2006 31"	19mmW	B,L,OVALBNUC,HISB,R=G		
NGC 5577	Vir		Galaxy SA(rs)bc:	PF,PL,VME53
May 30 2016 12"	8mm Ds	VF,PS,EON,UB,NND,AV1,R=F		
NGC 5580	Boo		Galaxy SABcd	PB,S,F OF 2
Jul 01 2016 12"	8mm Et	PF,PS,OVAL,NND,R=F		
NGC 5582	Boo	H754-2	Galaxy E	PB,PS,R,BMFn,*SP
Apr 29 2011 12"	7mm TV	PF,PS,OVAL,BNUC,R=G,PA=95		
May 21 2009 16"	11mmT6	PF,PS,EL,OVAL,NND,R=F		
NGC 5585	UMa	H235-1	Galaxy SAB(s)d	PF,L,IR,VGMBM,R
Mar 01 2011 12"	11mmT6	CF,PS,OVAL,MEXT,UB,NND,R=F		
NGC 5587	Boo	H110-3	Galaxy S0/a	F,CS,VLE,*8SF
Apr 29 2011 12"	7mm TV	PF,PS,OVAL,VEXT,UB,NND,R=F		
NGC 5590	Boo	H417-3	Galaxy S0	CF,S,R,BM*,SF OF 2
Apr 26 2009 16"	11mmT6	CF,CS,R,UB,NND,R=F		
NGC 5595	Lib	H121-3	Galaxy SAB(rs)c	F,PL,R,VGBM,P OF 2
May 28 2006 31"	19mmW	PF,PS,OVA,NND,R=F		
NGC 5597	Lib	H122-3	Galaxy SAB(s)cd	VF,L,VLE,VGLBM,F OF 2
May 28 2006 31"	19mmW	F,S,OVA,NND,R=F		
NGC 5598	Boo	H733-3	Galaxy S0	F,VS,R,BM
May 22 2006 31"	19mmW	PB,PL,OVAL,NND,R=G		
NGC 5599	Vir	H927-3	Galaxy Sb	F,S,LE
Apr 28 2006 31"	19mmW	F,PS,EON,NND,R=F		
NGC 5600	Boo	H177-2	Galaxy Sc pec	PB,PS,GBM
Jul 01 2016 12"	8mm Et	PF,PS,OVAL,UB,NND,R=F		
Aug 03 2008 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 5602	Boo	H694-2	Galaxy Sa	PF,PS,LE,MBM
May 21 2009 16"	11mmT6	CF,PS,OVAL,NND,R=F		
NGC 5603	Boo	H734-3	Galaxy S0	CF,PS,R,GBM
May 22 2006 31"	19mmW	F,PL,R,NND,R=F		

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NGC 5605	Lib	H120-3	Galaxy (R')SAB(rs)c p:	VF,PL,R,VGBM
May 28 2006 31"	19mmW	CF,PS,OVAL,NND,R=F		
NGC 5611	Boo		Galaxy S0	F,S,R,BM
Jul 01 2016 12"	8mm Et	VF,VS,OVAL,UB,NND,R=F		
NGC 5613	Boo		Galaxy (R)SAB(r)0+	EF,PS,DIF,2'N OF5614
Jun 05 2011 31"	17mmT4	CF,CS,OVAL,MEXT,UB,NND,R=F		
NGC 5614	Boo	H420-2	Galaxy SA(r)ab pec	PB,S,R,SMBM
Jun 05 2011 31"	17mmT4	PF,PS,R,BNUC,R=G		
Apr 26 2009 16"	11mmT6	CF,CS,OVAL,UB,NND,R=F		
Aug 03 2008 8"	11mmT6	VF,VS,R,NND,AV,R=F		
NGC 5618	Vir	H763-3	Galaxy SB(rs)c	EF,S
Apr 28 2006 31"	19mmW	PF,PS,OVAL,NND,R=F		
NGC 5619	Vir		Galaxy SAB(rs)b	VF,S,R,VGBM
Apr 28 2006 31"	19mmW	PF,PS,EL,OVAL,FNUC,R=F		
NGC 5623	Boo	H329-2	Galaxy E	CF,S,R,VSMBM,R
Jul 01 2016 12"	8mm Et	VF,VS,OVAL,UB,NND,R=F		
NGC 5630	Boo	H674-2	Galaxy Sdm:	F,S,E90,GBM
Jul 05 2016 12"	7mm TV	PF,PS,OVAL,UB,NND,R=F		
NGC 5631	UMa	H236-1	Galaxy SA(s)0^	B,S,R,PSBMN
Mar 18 2007 8"	11mmT6	CF,CS,R,NND,R=F		
NGC 5633	Boo	H185-1	Galaxy (R)SA(rs)b	CB,PS,R,PGLBM
Jul 01 2016 12"	8mm Et	PF,PS,OVAL,UB,NND,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 5635	Boo	H132-3	Galaxy S pec	F,S,E,SBM
Jul 05 2016 12"	7mm TV	VF,PS,OVAL,MEXT,UB,NND,R=F		
NGC 5636	Vir	H580-2	Galaxy SAB(r)0+	EF,CL,R,NP OF 2
May 19 2010 12"	7.5mmW	VF,CS,OVAL,UB,NND,R=F		
NGC 5638	Vir	H581-2	Galaxy E1	CB,PL,R,SF OF 2
May 19 2010 12"	7.5mmW	PF,PS,R,UB,NND,R=F		
NGC 5640	Cam	H949-3	Galaxy Ia	EF,S,LE
May 25 2014 18"	8mm Ds	VF,VS,R,UB,NND,AV3,R=P		

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NGC 5646	Boo		Galaxy SBb:	EF,E SPNF,45"L
Jun 05 2011 31"	17mmT4	F,S,OVAL,PEXT,UB,NND,R=F,PA=170,	MAG 10 STAR AT SOUTHERN TIP	
NGC 5652	Vir	H891-2	Non-Existent	PB,PL,VLE,BM
Apr 28 2006 31"	19mmW	F,S,OVAL,UB,NND,R=F		
NGC 5653	Boo	H330-2	Galaxy (R')SA(rs)b	PF,PS,R,BM
Aug 03 2008 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 5656	Boo	H421-2	Galaxy Sab	PF,PL,R,MBM,R
Jun 05 2011 31"	17mmT4	PF,PS,R,BNUC,HSB,R=G,	POSSIBLE ARM SRUCTURE DETECTED.	
NGC 5660	Boo	H695-2	Galaxy SAB(rs)c	PB,L,IR,VGBM
May 21 2009 16"	11mmT6	PB,PL,OVAL,FNC,R=F		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC 5661	Vir	H892-2	Galaxy SBb:	VF,PS,IE
Apr 29 2006 31"	19mmW	CF,PS,EON,NND,R=F		
NGC 5663	Lib		Galaxy SA0-:	EF,VS,R,GLBM
May 28 2006 31"	19mmW	CF,CS,R,NND,R=F		
NGC 5664	Lib		Galaxy Sa	PF,S,E,GBM
Apr 14 2016 12"	11mmT6	VF,PS,OVAL,UB,NND,R=G		
May 28 2006 31"	19mmW	PF,PS,OVAL,NND,R=F		
NGC 5667	Dra	H807-2	Galaxy Scd: pec	PB,PS,E0
Aug 15 2015 12"	8mm Ds	PF,PS,OVAL,UB,NND,R=F		
NGC 5668	Vir	H574-2	Galaxy SA(s)d	F,PS,VLE,*14INV
May 19 2010 12"	7.5mmW	DIFF,CF,PS,R,UB,NND,R=F		
NGC 5675	Boo	H422-2	Galaxy S?	F,PS,E,BM
Jun 05 2011 31"	17mmT4	F,S,OVAL,VEXT,FNUC,HSB,R=F,PA=40		
NGC 5676	Boo	H189-1	Galaxy SA(rs)bc	B,L,E45,PGBM,R
Apr 26 2006 8"	11mmT6	F,L,EL,OVAL,NND,R=F		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC 5678	Dra	H237-1	Galaxy SAB(rs)b	B,L,LE0,VGMBM
Aug 06 2010 12"	7mm TV	PF,PS,OVAL,UB,MSB,R=F		
NGC 5679A	Vir		Galaxy Sc	
May 23 2012 18"	8.8 ES	PF,PS,OVAL,MEXT,UB,NND,R=F, PA=45		
Apr 29 2006 31"	19mmW	VF,VS,OVAL,NND,AV,R=F		
NGC 5679B	Vir		Non-Existent	
May 23 2012 18"	8.8 ES	PF,PS,OVAL,MEXT,UB,NND,R=F, PA=145		
Apr 29 2006 31"	19mmW	VF,VS,OVAL,NND,AV,R=F		

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NGC 5684 Jun 05 2011 31"	Boo 17mmT4	H421-3 PF,PS,R,FNUC,R=F	Galaxy S0	F,CS,R,BM,P OF 2
NGC 5686 Jun 05 2011 31"	Boo 17mmT4	H421-3 PF,CS,R,FNUC,R=F	Galaxy Sa	VF,S,R,F OF 2
NGC 5687 Aug 03 2008 8"	Boo 11mmT6	H808-2 VF,VS,OVAL,NND,AV,R=F	Galaxy S0-?	PF,S,IF,RESOLVA,*10F
NGC 5689 May 04 2005 8"	Boo 11mmT6	H188-1 MB,ML,EL,FNUC,R=G	Galaxy SB(s)0/a:	CB,PL,E87,PSMBM
NGC 5694 Apr 13 2005 8"	Hya 7.5mmW	H196-2 VS,VF,R,R=F	Globular	CB,CS,R,PSBM,R,*9SP
NGC 5695 Jun 05 2011 31"	Boo 17mmT4	H423-2 PF,CS,R,BNUC,R=F,DETECTED KNOT ON WEST SIDE.	Galaxy S?	PB,CS,R,BM,R
NGC 5701 May 30 2016 12" Apr 29 2006 31"	Vir 8mm Ds 19mmW	H575-2 PF,PS,R,UB,NND,R=F CB,S,R,FNUC,MSB,R=F	Galaxy (R)SB(rs)0/a	CB,PS,R,MBM,*11P15S
NGC 5716 May 28 2006 31"	Lib 19mmW	H671-3 CF,PS,OVAL,NND,R=F	Galaxy SB(rs)c?	VF,PL,R
NGC 5718 May 23 2012 18" Apr 18 2012 18"	Vir 8.8 ES 11mmT6	H550-3 CF,PS,OVAL,MEXT,UB,NND,AV2,R=F PB,PS,EON,FNUC,HSB,R=G, PA=60	Galaxy S0-:	VF,S,R,VGLBM,*8,9NF
NGC 5726 May 28 2006 31"	Lib 19mmW	H550-3 CF,CS,OVAL,NND,R=F	Galaxy S0- pec sp	F,S,R,GBM,*10.5NP3'
NGC 5728 Jun 19 2004 8"	Lib 25mmPL	H184-1 GOOD NIGHT - MEGASTAR	Galaxy SAB(r)a:	PF,PL,PME45,MBM,*10S
NGC 5729 May 28 2006 31"	Lib 19mmW	H508-3 PF,PS,EON,NND,R=F	Galaxy Sb pec:	F,PL,E,R
NGC 5734 May 28 2006 31"	Lib 19mmW	H508-3 F,CS,OVAL,NND,R=F	Galaxy S0^ pec sp	VF,S,LE,GLBM
NGC 5741 May 28 2006 31"	Lib 19mmW	H508-3 PF,S,R,NND,R=F	Galaxy E	VF,VS,R,SBMN
NGC 5742 May 28 2006 31"	Lib 19mmW	H508-3 PF,S,EON,NND,R=F	Galaxy SB(r)0^?	F,PS,PME,GBMN
NGC 5743 May 28 2006 31"	Lib 19mmW	H508-3 CF,CS,OVAL,NND,R=F	Galaxy Sb:	F,S,ME,SMBMN

Observations Listing by Catalog Number

NGC 5744 May 29 2006 31"	Lib 19mmW PF,CS,R,NND,R=F		Galaxy (R')SB(rs)d:	EF,VS,(NEB)
NGC 5745 May 29 2006 31"	Lib 19mmW CF,S,OVA,NND,R=F		Galaxy Sa pec sp	VF,S,E,PSLBM
NGC 5746 May 04 2005 8"	Vir 11mmT6 VB,VL,EL,EON,FNUC,R=G	H126-1	Galaxy SAB(rs)b? sp	B,L,VME170,BMBN
NGC 5750 May 19 2010 12"	Vir 7.5mmW CF,PS,OVAL,UB,NND,R=F	H183-1	Galaxy SB(r)0/a	PF,PS,VLE,R
NGC 5753 Jun 05 2011 31"	Boo 17mmT4 PF,PS,R,FNUC,HSB,R=G		Galaxy	F,BM,NP5754
NGC 5754 Jun 05 2011 31"	Boo 17mmT4 PF,S,R,FNUC,HSB,R=G	H687-3	Galaxy SB(rs)b	CF,CS,R,BM
NGC 5756 May 29 2006 31"	Lib 19mmW F,PS,EON,NND,R=F		Galaxy (R')SB(s)bc p	PB,PL,PME,GPMBM
NGC 5757 May 29 2006 31"	Lib 19mmW F,PS,OVAL,NND,R=F	H690-3	Galaxy (R)SB(r)b	VF,S,IR,LBM
NGC 5761 May 29 2006 31"	Lib 19mmW PF,S,R,NND,R=F		Galaxy S0^ pec:	VF,S,R,GLBMN
NGC 5766 May 29 2006 31"	Lib 19mmW CF,CS,OVAL,NND,R=F		Galaxy SAB(s)bc:	EF,PS,R,GBM
NGC 5768 May 29 2006 31"	Lib 19mmW F,PS,OVAL,NND,R=F	H373-3	Galaxy SA(rs)c:	F,R,BMFN,S*S
NGC 5772 Jun 05 2011 31"	Boo 17mmT4 PF,PS,OVAL,PEXT,FNUC,HSB,R=G,PA=120		Galaxy SA(r)b:	PB,PL,LE,PSLBM,*8NP
NGC 5774 May 19 2010 12"	Vir 7.5mmW DIFF,CF,PS,R,UB,NND,R=F		Galaxy SAB(rs)d	PF,PL,R,NP OF 2
NGC 5775 May 19 2010 12"	Vir 7.5mmW PF,PS,EON,UB,NND,R=F	H554-3	Galaxy SBc? sp	F,PS,VME148,GVLBM
NGC 5777 May 23 2012 18"	Dra 11mmT6 PF,PS,EON,UB,NND,R=F, PA=100	H806-3	Galaxy Sb	VF,VS,LE
NGC 5781 May 29 2006 31"	Lib 19mmW F,PS,EL,OVAL,NND,R=F		Galaxy (R')SBb pec sp	F,S,R,BM,*16SP

Observations Listing by Catalog Number

NGC 5791 Jul 03 2005 8"	Lib 11mmT6	H691-3 VF,VS,EL,NND,AV,R=F	Galaxy E6:	PF,S,R,STELLAR
NGC 5792 Jul 03 2005 8"	Lib 11mmT6	H683-2 VF,VS,EON,NND,R=F	Galaxy SB(rs)b	PB,PL,R,MBM,*8,9NP1'
NGC 5793 May 29 2006 31"	Lib 19mmW	F,PS,EON,NND,R=F	Galaxy Sb: sp	EF,PS,E,BMN
NGC 5796 May 29 2006 31"	Lib 19mmW	PB,S,OVAL,FNUC,R=G	Galaxy E0-1	F,PS*INCENTRE
NGC 5806 May 19 2010 12"	Vir 7.5mmW	H539-2 PF,PS,OVAL,MEXT,FNUC,R=F	Galaxy SAB(s)b	CB,CL,E165,SBMN
NGC 5809 Jul 06 2010 12"	Lib 7.5mmW	EF,VS,OVAL,PEXT,UB,NND,AV,R=P	Galaxy S0/a: sp	VF,S,E,GLBM
NGC 5810 Jul 06 2010 12"	Lib 7.5mmW	VF,CS,OVAL,MEXT,UB,NND,R=F	Galaxy SB(rs)b:	EF,VS,LE230,BET 2VF*
NGC 5812 May 18 2014 18" Mar 18 2007 8"	Lib 8mm Ds 11mmT6	H71-1 PF,PS,R,FNUC,R=F PF,PS,OVAL,NND,R=F	Galaxy E0	CB,S,R,SVMBM
NGC 5813 Apr 09 2008 8"	Vir 11mmT6	H127-1 PF,PS,OVAL,FNUC,MSB,R=G	Galaxy E1-2	B,PS,R,PSMBM
NGC 5816 May 18 2014 18"	Lib 8mm Ds	PF,PS,OVAL,UB,NND,R=F	Galaxy	F,PS,GBMN,STELLAR
NGC 5817 May 18 2014 18"	Lib 8mm Ds	VF,VS,R,UB,NND,AV2,R=P	Galaxy S0	VF,PS
NGC 5824 Jul 01 2016 12"	Lup 8mm Et	B,S,R=G, CANNOT RESOLVE STARS	Globular	PB,S,STELL,N
NGC 5831 May 19 2010 12"	Vir 7.5mmW	H540-2 CF,CS,OVAL,MEXT,UB,NND,R=F	Galaxy E3	PB,S,MBM
NGC 5832 Sep 02 2016 12"	UMi 8mm Et	H332-2 VF,PS,OVAL,AV1,R=P	Galaxy SB(rs)b?	PB,CL,IR,BP,R
NGC 5838 May 19 2010 12"	Vir 7.5mmW	H542-2 PF,PS,EON,FNUC,MUSB,R=F	Galaxy SA0-	PB,PS
NGC 5839 May 19 2010 12"	Vir 7.5mmW	H541-2 CF,VS,R,FNUC,R=F	Galaxy SAB(rs)0^:	PF,PS

Observations Listing by Catalog Number

NGC 5846	Vir	H128-1	Galaxy E0-1	VB,PL,R,PSBMN,F*INVS
May 19 2010 12"	7.5mmW	PF,PS,R,FNUC,R=G		
Apr 28 2006 31"	19mmW	CB,CL,R,FNUC,R=G		
Jun 23 2004 8"	25mmPL	QUARTER MOON, LEFT @1:30AM.		
NGC 5846A	Vir		Galaxy cE2-3	
Apr 28 2006 31"	19mmW	PF,PS,OVAL,NND,R=F		
NGC 5849	Lib		Galaxy S0	*13INVF NEB,3*P1S
May 18 2014 18"	8mm Ds	VF,VS,R,UB,NND,AV1,R=P		
NGC 5850	Vir	H543-2	Galaxy SB(r)b	CF,S,LE,PSBM
May 19 2010 12"	7.5mmW	DIFF,CF,PS,R,UB,NND,R=F		
NGC 5854	Vir	H544-2	Galaxy SB(s)0+ sp	PB,S,VLE,LBM,AM ST
May 19 2010 12"	7.5mmW	PF,PS,EON,FNUC,R=F		
NGC 5858	Lib		Galaxy E6:	F,S,STELLN,5861SF
Jul 06 2010 12"	7.5mmW	VF,VS,R,UB,NND,AV,R=F		
NGC 5861	Lib	H192-2	Galaxy SAB(rs)c	F,L,E,R
Jun 07 2010 12"	9mm	DIFF,CF,PS,OVAL,MEXT,NND,AV,R=P		
May 19 2010 12"	7.5mmW	DIFF,CF,PS,OVAL,UB,NND,AV,R=F		
NGC 5863	Lib		Galaxy (R')SAB(rs)a	*12IN EFNEB,S,R
Jul 06 2010 12"	7.5mmW	CF,CS,OVAL,UB,NND,R=F		
NGC 5864	Vir	H585-2	Galaxy SB(s)0^? sp	PF,CS,ILE,GBM,*14F
May 19 2010 12"	7.5mmW	PF,PS,EON,UB,NND,R=F		
NGC 5866	Dra	M102 H215-1	Galaxy SA0+ sp	VB,CL,PME146,GBM
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Mar 26 2006 8"	19mmW	B,S,OVAL,FNUC,MSB,R=F		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC 5872	Lib		Galaxy SAB0^:	NO DESCRIPTION
Jul 06 2010 12"	7.5mmW	PF,CS,OVAL,MEXT,UB,NND,R=F		
NGC 5878	Lib	H736-3	Galaxy SA(s)b	PB,PL,PME0,PSMBM
Jun 19 2004 8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC 5879	Dra	H757-2	Galaxy SA(rs)bc:?	CB,S,E,MBMRN,R
Aug 12 2010 12"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F		
Aug 06 2010 12"	7mm TV	PF,PS,OVAL,VEXT,FNUC,R=G		

Observations Listing by Catalog Number

NGC 5880	Lib		Galaxy E	EF,VS,R,BM,NR 5883
May 18 2014 18"	8mm Ds	VF,VS,R,UB,NND,R=F,	MEGASTAR STAYS 15.5 MAGNITUDE.	NGC/IC SAYS 14.3 MAG.
NGC 5883	Lib		Galaxy S0	NO DESCRIPTION
May 18 2014 18"	8mm Ds	VF,VS,OVAL,UB,NND, R=F		
NGC 5885	Lib	H116-3	Galaxy SAB(r)c	F,CL,R,VGBM
Jul 06 2010 12"	7.5mmW	PF,CS,R,UB,NND,R=F		
NGC 5890	Lib		Galaxy SA(r)0+?	VF,VS,E235
Jul 06 2010 12"	7.5mmW	EF,VS,OVAL,NND,AV,R=F		
NGC 5891	Lib		Galaxy Sbc	VF,PS,LE,GBM,*11F
Jul 06 2010 12"	7.5mmW	VF,VS,OVAL,NND,AV,R=F		
NGC 5892	Lib		Galaxy SA(s)d	EF,L,GBM
Jul 06 2010 12"	7.5mmW	VF,VS,OVAL,NND,R=F		
NGC 5894	Dra	H763-2	Galaxy SBdm?	PF,PS,E0
Aug 06 2010 12"	7mm TV	VF,FS,PEXT,UB,NND,AV,R=F		
NGC 5897	Lib	H19-6	Globular	GCL,PF,L,VIR,VGBM,
May 30 2016 12"	8mm Ds	PF,S,R=F		
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 5898	Lib	H138-3	Galaxy E0	F,S,R,GBM
Jul 06 2010 12"	7.5mmW	F,CS,OVAL,UB,NND,AV,R=F		
NGC 5899	Boo	H650-2	Galaxy SAB(rs)c	CB,PL,PME,SMBMN
Aug 03 2008 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 5903	Lib	H139-3	Galaxy E2	CF,S,R,GPMBM
Jun 19 2004 8"	25mmPL	GOOD NIGHT - MEGASTAR		

Observations Listing by Catalog Number

NGC	5904	Ser	M5	Globular	GCL,VB,L,ECM,*11..15
	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	5905	Dra	H758-2	Galaxy SB(r)b	PF,PS,IR
	Aug 06 2010	12"	7mm TV	DIFF,PF,PS,R,UB,NND,R=F	
NGC	5907	Dra	H759-2	Galaxy SA(s)c: sp	CB,VL,VME155,VGPSBMN
	Jun 07 2010	12"	7.5mmW	PF,PL,EON,FNUC,FAINT BULGE,R=G	
	Jul 23 2006	8"	11mmT6	PF,PS,EON,VFNUC,R=F	
NGC	5908	Dra	H760-2	Galaxy SA(s)b: sp	PF,PS,R
	Aug 06 2010	12"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F	
NGC	5915	Lib		Galaxy SB(s)ab pec	B,S,R,GLBM,P OF 2
	Jul 06 2010	12"	7.5mmW	PF,CS,OVAL,MEXT,UB,NND,R=F	
NGC	5921	Ser	H148-1	Galaxy SB(r)bc	CB,CL,IR,VSBM*12,AM*
	May 30 2011	12"	7mm TV	PF,PS,OVAL,UB,NND,R=F	
	Sep 05 2007	8"	11mmT6	PF,PL,OVAL,NND,R=F	
NGC	5928	Ser	H874-2	Galaxy S0	PB,CS,R,PSBM,*7N
	May 30 2011	12"	7mm TV	PF,CS,R,UB,NND,R=F	
NGC	5936	Ser	H130-2	Galaxy SB(rs)b	F,PL,IR,VGBM,R
	Sep 05 2007	8"	11mmT6	PF,VS,R,NND,AV,R=F	
NGC	5949	Dra	H906-2	Galaxy SA(r)bc?	F,S,LE45,VGLBM
	Aug 06 2010	12"	7mm TV	PF,CS,OVAL,UB,NND,R=F	
NGC	5953	Ser	H178-2	Galaxy SAa: pec	PB,CS,P OF D NEB
	May 30 2011	12"	7mm TV	PF,PS,R,UB,NND,R=F	
NGC	5954	Ser	H179-2	Galaxy SAB(rs)cd: pec	PB,CS,F OF D NEB
	May 30 2011	12"	7mm TV	PF,CS,OVAL,PEXT,UB,NND,R=F	
NGC	5959	Lib		Galaxy E+:	VF,PS,VLE,BMN
	Jul 06 2010	12"	7.5mmW	CF,CS,R,UB,NND,R=F	

Observations Listing by Catalog Number

NGC 5962 Sep 05 2007 8"	Ser 11mmT6	H96-2 PF,PS,OVAL,NND,AV,R=F	Galaxy SA(r)c	PF,PL,ILE,GBM
NGC 5963 Aug 06 2010 12"	Dra 7mm TV	H761-2 PF,CS,OVAL,MEXT,UB,NND,R=F	Galaxy S pec	PF,PS,IF
NGC 5964 May 30 2011 12"	Ser 7mm TV	H762-2 DIFF,CF,PS,OVAL,UB,NND,R=F	Galaxy SB(rs)d	EF,VL,R,VGBM,R
NGC 5965 Aug 06 2010 12"	Dra 7mm TV	H762-2 CF,CS,EON,UB,NND,R=F	Galaxy Sb	CF,CL,LE
NGC 5970 Sep 05 2007 8"	Ser 11mmT6	H76-2 PF,PS,OVAL,NND,AV,R=F	Galaxy SB(r)c	PF,PL,R,RR
NGC 5981 Aug 15 2015 12"	Dra 8mm Ds	H764-2 VF,VS,EON,UB,NND,AV1,R=P	Galaxy Sc? sp	F,ME
NGC 5982 Aug 15 2015 12" Apr 13 2005 8"	Dra 8mm Ds 11mmT6	H764-2 F,PS,OVAL,FNUC,R-F VF,VS,OVAL,NND,R=F	Galaxy E3	CB,S,R,PSBM,R
NGC 5985 Aug 15 2015 12" Sep 07 2005 8" Apr 13 2005 8"	Dra 8mm Ds 11mmT6 11mmT6	H766-2 DIFF,PF,S,OVAL,UB,NND,R=F MB,ML,EL,OVAL,FNUC,MSB,R=G MB,ML,EL,OVAL,FNUC,R=G	Galaxy SAB(r)b	PB,CL,IE,R
NGC 5986 Jul 01 2016 12"	Lup 8mm Et	H765-2 F,S,R=F, FAINT OUTER STARS	Globular	GCL,VB,L,R,VGBM,*13.
NGC 5987 Aug 06 2010 12"	Dra 7mm TV	H765-2 PF,PS,OVAL,PEXT,FNUC,MSB,R=G	Galaxy Sb	PF,CS
NGC 5989 Aug 15 2015 12"	Dra 8mm Ds	H738-3 VF,PS,OVAL,UB,NND,R=F	Galaxy Scd?	VF,VS
NGC 5990 May 30 2011 12"	Ser 7mm TV	H425-2 CF,CS,OVAL,UB,NND,R=F	Galaxy (R')Sa pec?	VF,VS,R,GBM
NGC 5996 May 30 2011 12"	Ser 7mm TV	H97-2 PF,PS,OVAL,UB,NND,R=P	Galaxy S?	PF,CS,R,R,BET 2D*
NGC 6000 Jun 14 2007 8"	Sco 11mmT6	H657-2 CF,CS,R,NND,AV,R=F	Galaxy SB(s)bc:	VF,S,R,SBM
NGC 6012 May 30 2011 12"	Ser 7mm TV	H657-2 PF,PS,OVAL,UB,NND,R=F	Galaxy (R)SB(r)ab:	F,BET 2B ST

Observations Listing by Catalog Number

NGC 6013	Her		Galaxy SBb	EF,VS,IR,LBM
May 21 2009 16"	11mmT6	VF,CS,EL,OVAL,NND,AV,R=F		
NGC 6015	Dra	H739-3	Galaxy SA(s)cd	VF,PL,R,VGBM
Sep 07 2005 8"	11mmT6	VF,VS,EL,OVAL,NND,R=F		
NGC 6028	Her		Galaxy (R)SA0+:	VF,PS,NO NUCL
Jul 16 2007 31"	17mmT4	PF,PS,OVAL,NND,R=F		
NGC 6030	Her		Galaxy S0^	PF,VS,R,BM
Oct 17 2004 8"	7.5mmW	VF,OVAL,NND,AV,R=F,VSMALL, 14.5MG		
NGC 6032	Her		Galaxy SB(rs)b:	VF,PL,LE,VLBM,NP OF2
Jul 16 2007 31"	17mmT4	PF,CS,EON,NND,R=F		
NGC 6035	Her		Galaxy SAB(rs)c	VF,PL,LE,SF OF 2
Jul 16 2007 31"	17mmT4	PF,PS,R,NND,R=F		
NGC 6043A	Her		Galaxy SB0	
May 21 2009 16"	11mmT6	CF,PS,R,UB,NND,R=F		
NGC 6048	UMi	H873-2	Galaxy E	F,R,BM
Sep 02 2016 12"	8mm Et	PF,PS,OVAL,NND,R=F		
NGC 6052	Her		Non-Existent	F,PL,IR,(=6064)
Sep 19 2014 18"	8mm Ds	VF,PS,OVAL,UB,NND,R=F, WRO - 9/19/14		
NGC 6058	Her	H637-3	Planetary Neb 3+2	PF,VS,R,STELLAR
Nov 13 2007 8"	11mmT6	VF,VS,AV,R=F, NO CENTRAL STAR		
NGC 6060	Her		Galaxy SAB(rs)c	EF,E,SBM
Oct 17 2004 8"	7.5mmW	MF,OVAL,FNUC,R=G, 14.3 MAG!		
NGC 6068	UMi	H973-3	Galaxy SBbc?	VF,VS,LE0,R
Sep 02 2016 12"	8mm Et	VF,VS,OVAL,NNDL,AV,R=F		
NGC 6070	Ser	H553-3	Galaxy SA(s)cd	F,L,PME,VGBM,R
Sep 05 2007 8"	11mmT6	PF,PS,OVAL,NND,R=F		
NGC 6079	UMi	H884-3	Galaxy E	VF,VS
Aug 15 2015 12"	8mm Ds	VF,VS,OVAL,UB,NND,R=F		
Aug 31 2010 12"	7mm TV	CF,PS,OVAL,NND,R=F. PA=90		
NGC 6081	Her		Galaxy S0	VF,S,R,BM
May 21 2009 16"	11mmT6	PF,PS,EON,UB,NND,R=F		
NGC 6090	Dra		Galaxy S0?	VF,S,R
Aug 15 2015 12"	8mm Ds	PF,PS,OVAL,MEXT,UB,NND,R=F		

Observations Listing by Catalog Number

NGC 6093	Sco	M80	Globular	GCL,VB,L,VMBM(VAR*)
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 6106	Her	H151-2	Galaxy SA(s)c	F,PL,LE,VGBM,R
Oct 17 2004 8"	7.5mmW	VF,EL,NND,AV,R=F		
NGC 6118	Ser	H402-2	Galaxy SA(s)cd	VF,CL,CE45,R
May 30 2011 12"	7mm TV	PF,PS,OVAL,PEXT,UB,NND,R=F		
Jul 24 2006 8"	11mmT6	VF,PS,OVAL,NND,AV,R=F		
NGC 6121	Sco	M4	Globular	CL,8OR1OB*LINE,RRR
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		
May 16 2004 10"	28mm	CLEAR - MEGASTAR CONTROL		
NGC 6124	Sco		Open Cluster 9.0 3 r	CL,B,L,PRI,LCM,*9.11
Jun 23 2004 8"	25mmPL	QUARTER MOON, LEFT @1:30AM.		
NGC 6127	Dra		Non-Existent	PF,VS,R
Sep 05 2010 12"	7mm TV	PF,PS,R,FNUC,R=G		
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 6140	Dra	H740-3	Galaxy SB(s)cd pec	CF,PL,IR
Sep 07 2005 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		

Observations Listing by Catalog Number

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 6146	Her	H638-3	Galaxy E?	CF,VS,R,BM
Oct 17 2004 8"	7.5mmW	VF,EL,NND,AV,R=F		
NGC 6153	Sco		Planetary Neb 4	PLN,STELLAR
Jul 14 2010 12"	7.5mmW	PF,CS,R,R=F, NO CENTRAL STAR OBSERVED.		
NGC 6154	Her	H680-3	Galaxy SB(r)a	VF,S,R,LBM,ER
Oct 17 2004 8"	7.5mmW	VF,EL,OVAL,NND,AV,R=F		
NGC 6155	Her	H690-2	Galaxy S?	F,PS,IF,GBM
Oct 05 2016 12"	8mm Et	PF,VS,UB,NND,R=F		
Oct 17 2004 8"	7.5mmW	VF,EON,NND,AV,R=F		
NGC 6166	Her	H875-2	Galaxy E+2 pec	PF,S,VLE,VGMBM
Oct 05 2016 12"	8mm Et	PF,PS,OVAL,MEXT,NND,R=F		
Oct 17 2004 8"	7.5mmW	VF,OVAL,NND,AV,R=F		
NGC 6171	Oph	M107 H40-6	Globular	GCL,L,VRI,VMC,R,RRR
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 6173	Her	H640-3	Galaxy E	CF,VS,R,BM
Oct 17 2004 8"	7.5mmW	VF,EL,FNUC,AV,R=F		
NGC 6181	Her	H753-2	Galaxy SAB(rs)c	PB,PL,VLE,PGMBM
Oct 17 2004 8"	7.5mmW	VF,EL,NND,AV,R=F		
NGC 6186	Her	H730-3	Galaxy (R')SB(s)a	EF,VS,E
May 21 2009 16"	11mmT6	PF,PS,OVAL,UB,NND,R=F		
NGC 6189	Dra		Galaxy Scd:	VF,PS,LE
Sep 05 2010 12"	7mm TV	VF,CS,OVAL,UB,NND,AV,R=F,PA=65		
NGC 6190	Dra		Galaxy Scd:	VF,PS,R,F*NR
Sep 05 2010 12"	5.5mmN	CF,CS,R,UB,NND,R=F		

Observations Listing by Catalog Number

NGC 6196	Her		Galaxy SAB0-: pec	VF,VS,STELLAR
Mar 18 2007 8"	11mmT6	VF,VS,R,NND,AV,R=F		
NGC 6205	Her	M13	Globular	GCL,EB,VRI,VGECM,*11
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 6207	Her	H701-2	Galaxy SA(s)c	PB,PL,E45,VGMBM
Jul 16 2007 16"	11mmT6	PF,PS,EL.OVAL,FNUC,R=F		
Mar 18 2007 8"	11mmT6	PF,L,OVAL,NND,R=F		
Jun 03 2005 31"	19mmW	VB,ML,OVAL,FNUC,HISB,R=G		
Sep 12 2004 8"	11mmT6	F,S,EL, NND,AV,F		
NGC 6210	Her		Planetary Neb 2+3b	PLN,VB,VS,R,DISC
Jun 17 2016 12"	8mm Ds	TURTLE PLANETARY. NO CENTRAL STAR NOTED		
Sep 19 2014 12"	11mmT6	B,VS,R=F,SITS ATOP 3-STAR TRIANGLE -N.N., HOME - 8/14/14		
Jun 19 2004 8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC 6211	Dra		Galaxy SB(r)0^ pec:	VF,PS,R,SP OF 2
Sep 05 2010 12"	7mm TV	PF,PS,OVAL,FNUCC,R=F,PA=95		
NGC 6212	Her		Galaxy S?	EF
Jul 16 2009 16"	17mmT4	PF,PS,OVAL,UB,NND,R=F		
NGC 6217	UMi	H280-1	Galaxy (R)SB(rs)bc	B,CL,LE,SLBM
Sep 02 2016 12"	8mm Et	PF,PS,OVAL,FNUC,R=F. SQM-20.08		
Mar 18 2007 8"	11mmT6	VF,VS,R,NND,AV,R=F		

Observations Listing by Catalog Number

NGC 6218	Oph	M12	Globular	GCL,VB,VL,IR,GMBM
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.		
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 6223	Dra		Galaxy Pec	F,S,R,MBM
Sep 05 2010 12"	7mm TV	PF,PS,OVAL,FNUC,R=F,PA=140		
NGC 6226	Dra		Galaxy Pec	F,S,TRIW/2*12\$14
Sep 05 2010 12"	5.5mmN	CF,VS,OVAL,UB,NND,R=F,PA=90		
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 6232	Dra		Galaxy (R')SB(s)a	PF,PL,LE
Sep 05 2010 12"	7mm TV	CF,PS,R,UB,NND,R=F		
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 6236	Dra		Galaxy SAB(s)cd	F,PL
Sep 05 2010 12"	7mm TV	VF,PS,OVAL,UB,NND,AV,R=F,PA=45		
NGC 6239	Her	H727-3	Galaxy SB(s)b pec?	VF,E,BIN,NPSF
Jul 16 2009 16"	17mmT4	PF,PS,EON,UB,NND,R=F		
Mar 18 2007 8"	11mmT6	PF,L,OVAL,NND,AV,R=F		
NGC 6240	Oph		Galaxy I0: pec	VF,PL,LE,DIF
Jul 03 2005 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 6241	Her	H735-3	Galaxy Sc	EF,PS
Jul 16 2009 16"	17mmT4	CF,PS,R,UB,NND,R=F		
NGC 6247	Dra		Galaxy Pec	F,PS,IF
Sep 05 2010 12"	5.5mmN	CF,CS,OVAL,MEXT,UB,NND,R=F		

Observations Listing by Catalog Number

NGC 6251	UMi	H974-3	Galaxy E	CF,S,BM,P OF 2
Sep 02 2016 12"	8mm Et	VF,VS,R,NND,R=F		
NGC 6254	Oph	M10	Globular	GCL,B,VL,R,GVMBM,RRR
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 6255	Her	H689-3	Galaxy SBcd:	EF,CL,E90
Oct 17 2004 8"	7.5mmW	MB,EL,FNUC,R=G		
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,
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 6269	Her		Galaxy E	F,S,R
May 21 2009 16"	11mmT6	PF,PL,OVAL,UB,NND,R=F		
NGC 6273	Oph	M19	Globular	GCL,VB,L,R,VCM,RRR
Jul 02 2017 12"	17mmT4	SMUDGE. CANNOT RESOLVE ANY STARS		
May 30 2016 12"	8mm Ds	F,S,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		
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 6278	Her	H124-3	Galaxy S0	VF,STELLAR
May 21 2009 16"	11mmT6	PF,PS,EL,OVAL,FNUC,R=F		

Observations Listing by Catalog Number

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,GPMCMM,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 6302	Sco		Planetary Neb 6	PB,E PF,(SWIFT,TRIP)
Jul 09 2005 8"	11mmT6	MB,VS,R,R=G		
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 6306	Dra		Galaxy SB(s)ab pec:	VF,VS,LE
Sep 05 2010 12"	5.5mmN	VF,VS,OVAL,UB,NND,AV,R=F,PA=10	PAIRED WITH NGC 6307	
NGC 6307	Dra		Galaxy (R')SB(s)0/a p	VF,VS,LE,*13NR N
Sep 05 2010 12"	5.5mmN	CF,CS,OVAL,MEXT,FNUC,R=F,PA=10	PAIRED WITH NGC 6306	
NGC 6309	Oph		Planetary Neb 3b+6	B,S,BET2*VNR
Jul 03 2005 8"	11mmT6	MF,MS,PATCHY,R=F		
NGC 6310	Dra		Galaxy Sb: sp	F,PL,LE
Sep 05 2010 12"	5.5mmN	CF,CS,EON,UB,NND,R=F,PA=110		
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 6324	UMi	H945-3	Galaxy S?	VF,S,E,S*S
Sep 02 2016 12"	8mm Et	VF,VS,OVAL,NND,R=F		

Observations Listing by Catalog Number

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,
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		
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 6337	Sco		Planetary Neb 4	RINGNEB,EF,S,AM ST
Jul 31 2011 12"	7mm TV	F,VS,,R=F,SMUDGE WITH TWO FOREGROUND STARS		
NGC 6338	Dra	H812-2	Galaxy S0	F,S,R,VGLBM
Apr 29 2011 12"	5mm TV	VF,CS,OVAL,UB,NND,R=F		
NGC 6340	Dra	H767-2	Galaxy SA(s)0/a	CF,PL,R,VGMBM
Sep 07 2005 8"	11mmT6	MB,ML,R,FNUC,MSB,R=G		
NGC 6341	Her	M92	Globular	GCL,VB,VL,ECM,ST S
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 6343	Her		Galaxy C	VF,S,LE,NF OF 2
May 21 2009 16"	11mmT6	PF,PS,R,UB,NND,R=F		

Observations Listing by Catalog Number

NGC 6347	Her		Galaxy SBb	EF,IR,DIF
May 21 2009 16"	11mmT6	VF,VS,EL,OVAL,NND,AV,R=F		
NGC 6350	Her		Galaxy S0	PF,PS,GBM
May 21 2009 16"	11mmT6	CF,CS,R,UB,NND,R=F		
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 6359	Dra		Galaxy SA0-:	PB,S,R,BMN=*12
Sep 05 2010 12"	5.5mmN	PF,CS,OVAL,FNUC,R=F,PA=5		
Aug 12 2010 12"	7mm TV	PF,PS,R,NND,R=F		
NGC 6361	Dra		Galaxy SAB: sp	VF,PS,ME,NEAR BET 2*
Sep 05 2010 12"	5.5mmN	CF,CS,EON,UB,NND,R=F,PA=95		
NGC 6364	Her		Galaxy S0	PF,VS,R,BM*13
May 21 2009 16"	11mmT6	PF,PS,OVAL,FNUC,R=F		
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 6368	Oph		Galaxy Sb	F,S,E
Jul 03 2005 8"	11mmT6	VF,VS,EON,NND,AV,R=F		
NGC 6369	Oph	H11-4	Planetary Neb 4+2	RINGNEB,PB,S,R
Jul 09 2005 8"	11mmT6	MB,MS,R,R=G		
NGC 6370	Dra		Galaxy E	VF,VS,R,B*NR N
Apr 29 2011 12"	5mm TV	CF,CS,R,UB,NND,R=F,STAR TO S.W.		
NGC 6372	Her	H137-3	Galaxy Sb? pec	VF,PS,IF,SF OF 2
May 21 2009 16"	11mmT6	CF,PS,OVAL,NND,R=F		
NGC 6380	Sco		Globular	EF,PS,LE,*9ATT
Aug 20 2006 8"	7.5mmW	VF,VS,R=F		

Observations Listing by Catalog Number

NGC 6381	Dra		Galaxy SA(s)c?	VF,PL,E
Sep 05 2010 12"	5.5mmN	VF,CS,OVAL,UB,NND,AV,R=P,PA=90		
NGC 6384	Oph		Galaxy SAB(r)bc	PB,S,VLE
Jul 03 2005 8"	11mmT6	VF,ML,OVAL,NND,AV,R=F		
NGC 6389	Her	H901-2	Galaxy Sbc	F,S,IF,ER
May 21 2009 16"	11mmT6	CF,PS,OVAL,UB,NND,R=F		
NGC 6395	Dra		Galaxy Scd:	VF,PL,LE,D*N
Sep 05 2010 12"	5.5mmN	VF,CS,EON,UB,NND,AV,R=F,PA=75		
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		
NGC 6402	Oph	M14	Globular	GCL,B,VL,R,ERI,VGMBM
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 6405	Sco	M6	Open Cluster 5.5 II 3 r	CL,L,IR,LC,ST7,10...
Jul 05 2016 12"	17mmAT	VERY NICE O.C. LP2 FILTER SHOWS SOME RELATED NEBULOSITY		
Sep 19 2014 12"	17mmAT	5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14		
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		
Aug 16 2006 1.9"	12x50	VB,VL,R=G		
Mar 27 2006 8"	19mmW	F,S,R=F		
Jun 19 2004 8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC 6408	Her		Galaxy SB(rs)a	F,S,IR,GBM
May 21 2009 16"	11mmT6	CF,PS,R,UB,NND,R=F		
NGC 6411	Dra		Galaxy E	VS,GBM
Sep 05 2010 12"	5.5mmN	PF,PS,OVAL,MEXT,FNUC,NSB,R=G,PA=105		
NGC 6412	Dra	H41-6	Galaxy SA(s)c	GCL,CL,R,VGBM,RR
Sep 05 2010 12"	5.5mmN	DIFF,PF,PS,OVAL,NND,R=F,PA=170		
NGC 6417	Her		Galaxy SB(r)b:	PF,S,VLBM
May 21 2009 16"	11mmT6	VF,VS,R,NND,AV,R=F		

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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 6427	Her		Galaxy S0-:	VF,VS,STELLAR
May 21 2009 16"	11mmT6	CF,CS,EON,NND,R=F		
NGC 6429	Her		Galaxy SBa	F,S,STELLAR
May 21 2009 16"	11mmT6	CF,PS,EON,NND,R=F		
NGC 6434	Dra	H741-3	Galaxy SBbc:	VF,VS,R,STELLAR,*8S
Sep 05 2010 12"	5.5mmN	PF,CS,OVAL,PEXT,NND,R=F,PA=160		
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 6442	Her		Galaxy E	PF,S,IR,GBM
May 21 2009 16"	11mmT6	PF,PS,OVAL,FNUC,R=F		
NGC 6445	Sgr	H586-2	Planetary Neb 3b+3	PB,PS,R,GBM,R,*15NP
Jul 09 2005 8"	11mmT6	MB,ML,MSB,R=G		
NGC 6447	Her		Galaxy SB?	VF,S,R
May 21 2009 16"	11mmT6	PF,PS,EL,OVAL,UB,NND,R=F		
NGC 6451	Sco	H13-6	Open Cluster 12.0 I 2 r n	CL,PL,PRI,BIFID,ST12
Jul 23 2006 8"	11mmT6	PB,PL,R=G,DENSE GROUP		
Jul 09 2005 8"	11mmT6	R=G. LOOSE GROUP W/MANY STARS		
NGC 6453	Sco		Globular	CL,IR,PMBM,R
Jul 03 2005 8"	11mmT6	VF,VS,R,R=F		
NGC 6458	Her		Galaxy S0	EF,VS,STELLAR
May 21 2009 16"	11mmT6	VF,CS,EL,OVAL,NND,AV,R=F		
NGC 6460	Her		Galaxy Scd:	VF,PL,IR
May 21 2009 16"	11mmT6	VF,PS,OVAL,NND,AV,R=F		
NGC 6468	Her		Non-Existent	VF,S,R
May 21 2009 16"	11mmT6	VF,PS,OVAL,NND,AV,R=F		

Observations Listing by Catalog Number

NGC 6469	Sgr		Open Cluster IV 2 m	CL,PRI,IN MILKY WAY
Jul 21 2007 1.9"	12x50	PF,PS,R=F		
Jul 08 2004 8"	25mmPL	VERY CLEAR NIGHT - LEFT AT 1:00AM		
NGC 6475	Sco	M7	Open Cluster 7.0 I 3 r	CL,VB,PRI,LC,*7...12
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Aug 16 2006 1.9"	12x50	VB,EL,R=E		
Mar 27 2006 8"	19mmW	B,L,R=F		
Jun 19 2004 8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC 6480	Sco		Non-Existent	NEBSPART OFMILKY WAY
Jul 03 2005 8"	11mmT6	VF,VS,R=F		
NGC 6482	Her		Galaxy E:	VF,S,R,VSVMBMVS RN
Jul 24 2006 8"	11mmT6	PF,PS,OVAL,NND,R=F		
NGC 6484	Her		Galaxy Sb:	EF,VS,R,MBM
May 21 2009 16"	11mmT6	PF,PS,R,FNUC,R=F		
NGC 6485	Her		Galaxy Sbc	VF,VS,R
May 21 2009 16"	11mmT6	CF,PS,R,UB,NND,R=F		
NGC 6487	Her		Galaxy E	F,S,R,GBM
May 21 2009 16"	11mmT6	PF,PS,R,UB,,NND,R=F		
NGC 6490	Her		Galaxy S0-?	VF,VS,STELLAR
May 21 2009 16"	11mmT6	VF,CS,OVAL,NND,AV,R=F		
NGC 6494	Sgr	M23	Open Cluster 10.0 II 2 r	CL,B,VL,PRI,LC,*10..
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Aug 16 2006 1.9"	12x50	B,PL,R=G, RESOLVE OUTER STARS		
Aug 12 2006 1.9"	12x50	B,L,R=G		
Mar 27 2006 8"	19mmW	L,R=F		
Jun 14 2004 8"	25mmPL	SPOTTY CLOUDS - MEGASTAR CONTROL		
NGC 6495	Her		Galaxy E	F,S,R
May 21 2009 16"	11mmT6	PF,PS,R,FNUC,R=F		
NGC 6500	Her	H957-3	Galaxy SAab:	VF,VS,SP OF 2
May 21 2009 16"	11mmT6	PF,PS,OVAL,FNUC,MSB,R=F		
NGC 6501	Her	H958-3	Galaxy SA0+:	VF,VS,NF OF 2
May 21 2009 16"	11mmT6	PF,PS,OVAL,FNUC,MSB,R-F		

Observations Listing by Catalog Number

NGC 6503	Dra		Galaxy SA(s)cd	PF,L,ME,*9F4'
Oct 21 2012 8"	5mm TV		PF,PS,OVAL,MEXT,UB,NND,R=F	
Jun 19 2004 8"	25mmPL		GOOD NIGHT - MEGASTAR	
NGC 6504	Her		Galaxy S	F,VME,SBM
May 21 2009 16"	11mmT6		PF,PS,EON,FNUC,MSB,R=F	
NGC 6507	Sgr	H53-8	Open Cluster 12.0 IV 3 m	CL,PS,LRI,LC
Aug 20 2006 8"	7.5mmW		PF,PS,R=F,STARS AT SW CORNER	
NGC 6508	Dra		Galaxy E:	VF,S,3ST NR
Sep 05 2010 12"	5.5mmN		CF,PS,R,UB,NND,R=F	
NGC 6509	Oph		Galaxy Sd	VF,PL,IRRR,LBM
Jul 31 2005 8"	11mmT6		VF,VS,OVAL,NND,R=F	
NGC 6514	Sgr	M20 H41-4	Nebula EN+OC	VB,VL,TRIFID,D*INV
Jul 19 2017 12"	17mmT4		LP2 FILTER HELPS A BIT.	
Jul 19 2017 12"	27m PN		LOOKS MUCH BETTER WITH 27MM PANOPTIC.	
Jul 05 2016 12"	17mmAT		BEAUTIFUL,R=E!!, LP2 FILTER	
Aug 15 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 12 2006 1.9"	12x50		VB,VL,R=E	
Mar 27 2006 8"	19mmW		B,L,FEW STARS,NEBULASITY OK,R=G	
Jun 14 2004 8"	25mmPL		SPOTTY CLOUDS - MEGASTAR CONTROL	
NGC 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 6520	Sgr	H7-7	Open Cluster 9.0 I 2 r n	CL,PS,RI,LC,ST9...13
Oct 08 2006 1.9"	12x50		PF,S,R=F	
Jul 09 2005 8"	11mmT6		VB,R=G. NICE CLUSTER - BRIGHT	
NGC 6521	Dra		Galaxy E	F,PL,3RD OF 3
Apr 29 2011 12"	5mm TV		CF,CS,R,UB,NND,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	

Observations Listing by Catalog Number

NGC 6523	Sgr	M8	Nebula E	VB,EL,EIF,W/LCL
Jul 05 2016 12"	17mmAT	VERY NICE,R=E!,LP2 FILTER		
Aug 21 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"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Aug 12 2006 1.9"	12x50	VB,VL,EXTENDED,R=E		
Mar 27 2006 8"	19mmW	B,PL,R=G,MORE STARS		
Aug 14 2004 8"	11mmT6			
Jun 14 2004 8"	25mmPL	SPOTTY CLOUDS - MEGASTAR CONTROL		
NGC 6526	Sgr	H9-5	Nebula E	F,L,CE
Jul 19 2011 12"	11mmT6	F,L, EBULOSITY, INTERMITENT DARK BAND, OIII DIDN'T SEEM TO HELP.		
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 6530	Sgr		Open Cluster 6.0 II 2 m n	CL,B,L,PRI,FM8
Jul 25 2011 12"	32mmUW	B,L,R=E, LP-2 FILTER.		
Sep 05 2007 8"	11mmT6	PB,PL,SOME NEBULOSITY,R=F		
NGC 6531	Sgr	M21	Open Cluster 8.0 I 3 r	CL,PRI,LC,ST9...12
Jul 05 2016 12"	17mmAT	NICE OPEN CLUSTER,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 12 2006 1.9"	12x50	B,S,R=F		
Mar 27 2006 8"	19mmW	B,S,R=G		
Jun 14 2004 8"	25mmPL	SPOTTY CLOUDS - MEGASTAR CONTROL		
NGC 6535	Ser		Globular	PF,VS,VSNEB*P
Jul 09 2005 8"	11mmT6	MF,ML,R=G		
NGC 6537	Sgr		Planetary Neb 2a+6	PLN,B,S,STELLAR
Aug 12 2005 8"	7.5mmW	VF,VS,AV,R=F		
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		

Observations Listing by Catalog Number

NGC 6543	Dra	H37-4	Planetary Neb 3a+2	PLN,VB,PS,SBMVSN
Oct 21 2012 8"	5mm TV	B,PS,OVAL IN SHAPE,R=F		
Sep 05 2010 12"	5.5mmN	PB,PS,R=G, NO CENTRAL STAR NOTED. OIII NOT MUCH HELP - NO ADDITIONAL STRUCTURE		
Jul 09 2005 8"	11mmT6	VB,VS,OVAL,R=G		
Apr 13 2005 8"	11mmT6	VB,VS,R,R=G		
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 6546	Sgr		Open Cluster 10.6 II 1 r	CL,VL,VRI
Aug 12 2005 8"	7.5mmW	MB,MS,R=F		
NGC 6548	Her	H555-3	Galaxy SB0	CF,S,LE,R
Nov 13 2007 8"	11mmT6	DIFF,PF,PS,R,NND,R=F		
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 6555	Her	H902-2	Galaxy SAB(rs)c	F,L,R,VGLBM
Mar 18 2007 8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F		
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 6563	Sgr		Planetary Neb 3a	PLN,F,L,CE,HAZY EDGE
Aug 29 2010 12"	7mm TV	PF,PS,R=F. NO CENTRAL STAR NOTED		
NGC 6567	Sgr		Planetary Neb 2a+3	PLN,STELL,11M,IN ACL
Sep 05 2007 8"	11mmT6	VF,PS,NO CENTRAL STAR,R=F		
NGC 6568	Sgr	H30-7	Open Cluster IV 1 m	CL,VL,LC
Jul 09 2005 8"	11mmT6	MB,R=G. NICE, BRIGHT CLUSTER		
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 6570	Oph		Galaxy SB(rs)m:	PF,PL,R
Jul 31 2005 8"	11mmT6	MB,VS,EL,FNUC,MSB,R=F		

Observations Listing by Catalog Number

NGC 6572	Oph		Planetary Neb 2a	PLN,VB,VS,R,LHAZY
Jul 23 2006 8"	7.5mmW	CB,CS,R,R=G		
Jul 31 2005 8"	11mmT6	VB,VS,R,R=F		
NGC 6574	Her		Galaxy SAB(rs)bc:	PB,S,R
May 21 2009 16"	11mmT6	PF,CS,OVAL,FNUC,UB,R=F		
NGC 6583	Sgr	H31-7	Open Cluster I 2 m	CL,PRI,PC,CE,ST13...
Jul 23 2006 8"	11mmT6	CF,S,R=F		
Jul 08 2004 8"	25mmPL	VERY CLEAR NIGHT - LEFT AT 1:00AM		
NGC 6590	Sgr		Nebula R	D*CENTRE PF,PL,RNEBY
Jul 08 2004 8"	25mmPL	VERY CLEAR NIGHT - LEFT AT 1:00AM		
NGC 6595	Sgr		Nebula III 3 m n	F,PL,CE,**INV
Sep 05 2007 8"	11mmT6	B,PS,R=F		
Jul 08 2004 8"	25mmPL	VERY CLEAR NIGHT - LEFT AT 1:00AM		
NGC 6596	Sgr	H55-8	Open Cluster II 2 m n	CL,LC
Aug 18 2010 12"	11mmT6	PF,PS,R=F,LOOSE GROUP,NEBULOSITY NOTED IN MIDDLE		
NGC 6603	Sgr	M24	Open Cluster 14.0 I 2	CL,VRI,VMC,R,M WAY
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Aug 16 2006 1.9"	12x50	B,PL,R=G		
Mar 27 2006 8"	19mmW	R=F		
Jun 14 2004 8"	25mmPL	SPOTTY CLOUDS - MEGASTAR CONTROL		
NGC 6604	Ser	H15-8	Open Cluster 7.5 I 3 m n	CL,LRI,LC
Sep 05 2007 8"	11mmT6	F,S,R=F		
NGC 6605	Ser		Open Cluster asterism	CL,LRI,LC,ST10...12
Jun 20 2007 1.9"	12x50	PF,PS,R,R=F		
NGC 6606	Lyr		Galaxy S	VF,S,R,GBM,VF*INV
Aug 16 2009 31"	17mmT4	PF,PS,R,FNUC,HISB,R=G		

Observations Listing by Catalog Number

NGC 6611 **Ser** **M16** **Open Cluster 11.0 II 3 m n** **CL,ATLEAST100* L\$S**

Jul 19 2017 12" 17mmT4 LP2 FILTER HELPS A BIT

Jul 23 2016 12" 8mm Et USED LP2 & LP3. BETTER VIEW WITH LP3 (OIII).

Aug 21 2015 12" 17mmT4

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" 26mm M.M. 2010 MANUAL SETTING CIRCLES

Sep 13 2009 12" 32mmUW 6TH OBJECT

Mar 20 2009 16" 26mm MESSIER MARATHON - 2009

Aug 16 2006 1.9" 12x50 PB,PL,R=G

Mar 27 2006 8" 19mmW L,B,R=G

Jun 14 2004 8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6612 **Lyr** **Galaxy C** **EEF,ES,R,VDIFFIC**

Aug 16 2009 31" 17mmT4 PF,CS,R,FNUC,R=F

NGC 6613 **Sgr** **M18** **Open Cluster 8.7 II 3 p n** **CL,P,VLC**

Mar 16 2012 18" 17mmAT 2012 M.M.

Mar 01 2011 12" 17mmAT M.M. 2011 - MANUAL SETTING CIRCLES

Mar 08 2010 12" 26mm M.M. 2010 MANUAL SETTING CIRCLES

Aug 16 2006 1.9" 12x50 B,L,R=F

Mar 27 2006 8" 19mmW R=F

Jun 14 2004 8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6618 **Sgr** **M17** **Nebula EN+OC** **B,EL,EIF,2HOOKED**

Jul 19 2017 12" 17mmT4 BETTER WITH 27 PANOPTIC

Jul 19 2017 12" 27m PN BEAUTIFUL WITH LP2 FILTER

Aug 21 2015 12" 17mmT4

Jul 13 2013 18" 7mm TV THE SWAN - OIII FILTER

Mar 16 2012 18" 17mmAT 2012 M.M.

Mar 01 2011 12" 17mmAT M.M. 2011 - MANUAL SETTING CIRCLES

Mar 08 2010 12" 26mm M.M. 2010 MANUAL SETTING CIRCLES

Sep 13 2009 12" 32mmUW 7TH OBJECT

Mar 20 2009 16" 26mm MESSIER MARATHON - 2009

Aug 16 2006 1.9" 12x50 PB,PL,R=F

Mar 27 2006 8" 19mmW L,B,R=G

Jun 14 2004 8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6621 **Dra** **Galaxy Sb: pec** **PF,PS,R,LBM,S OF 2**

Aug 24 2012 18" 7mm TV VF,VS,EON,UB,NND,AV1,R=F

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 6625 **Sct** **Open Cluster IV 3 m n** **CL,LC,LRI,ST11...12**

Aug 13 2007 31" 31mmT5 PB,L,R=F, SOME NEBULOSITY

Observations Listing by Catalog Number

NGC 6626	Sgr	M28	Globular	GCL,VB,L,R,GECM,RRR
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 6628	Her		Galaxy S0?	VF,S,LE,BM
Aug 21 2015 12"	17mmT4			
NGC 6629	Sgr	H204-2	Planetary Neb 2a	PLNORGCL,PB,EES,R
Jul 09 2005 8"	11mmT6	VF,VS,AV,R=F		
NGC 6631	Sct		Open Cluster II 1 m	CL,PL,PRI,ST12...15
Aug 13 2007 31"	31mmT5	PB,PS,MORE STARS, CONDENSED,R=F		
NGC 6633	Oph	H72-8	Open Cluster 8.0 III 2 m	CL,LC,ST L
Jul 02 2017 12"	17mmT4	LOOSE CLUMP		
Oct 08 2006 1.9"	12x50	N.F.:R=G, DENSER GROUP		
Jul 15 2006 8"	32mmUW	VB,VL,LOOSE CLUSTER		
Jun 23 2004 8"	25mmPL	QUARTER MOON, LEFT @1:30AM.		
NGC 6635	Her		Galaxy S0 pec:	VF,S,R
Jun 04 2005 31"	17mmT4	VF,VS,OVAL,NND,R=F		
NGC 6637	Sgr	M69	Globular	GCL,B,L,R,RRR,*14.16
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		
NGC 6639	Sct		Open Cluster	CL,IN MILKY WAY
Aug 13 2007 31"	31mmT5	PB,PS,R=F, SOME NEBULOSITY		
NGC 6640	Lyr		Galaxy Scd:	VF,S,R,VLBM
Aug 16 2009 16"	17mmT4	PF,PS,OVAL,UB,NND,R=F		

Observations Listing by Catalog Number

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 6643	Dra		Galaxy SA(rs)c	PB,PL,E50,2ST P
Sep 07 2005 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
Jun 19 2004 8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC 6644	Sgr		Planetary Neb 2	PLN,STELLAR
Sep 05 2007 8"	11mmT6	VF,VS,AV,R=F		
NGC 6645	Sgr	H23-6	Open Cluster 12.0 IV 1 m	CL,PL,VRI,PC,ST11.15
Jul 16 2006 8"	19mmW	PB,PS,R=G		
Jul 08 2004 8"	25mmPL	VERY CLEAR NIGHT - LEFT AT 1:00AM		
NGC 6646	Lyr	H907-2	Galaxy Sa	F,S,IF
Aug 16 2009 31"	17mmT4	PF,PS,OVAL,UB,NND,R=G		
NGC 6649	Sct		Open Cluster 13.2 I 3 m	CL,P,LC,PS,*9,10,12.
Aug 13 2007 31"	31mmT5	B,PS,R=G,SOME NEBULOSITY,CARBON STR.		
NGC 6651	Dra		Galaxy SA(r)c	EEF,PS,LE,VDIFFIC
Apr 29 2011 12"	5mm TV	VF,CS,OVAL,UB,NND,R=F		
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 6654	Dra		Galaxy (R')SB(s)0/a	*12,13INPB,PL NEBY
Jul 27 2009 16"	11mmT6	PF,PS,EL,OVAL,NND,R=F		
NGC 6656	Sgr	M22	Globular	GCL,VB,VL,R,VRI,VMC
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 6657	Lyr		Galaxy SB	VF,VS,SBM
Aug 16 2009 31"	17mmT4	PF,PS,OVAL,UB,FNUC,R=G		
NGC 6662	Lyr		Galaxy SBab?	F*IN VF,VS,LE NEBY
Aug 16 2009 31"	17mmT4	PF,PS,OVAL,UB,NND,R=F		

Observations Listing by Catalog Number

NGC 6663 Aug 16 2009 31"	Lyr 17mmT4	CF,PS,R,NND,R=F	Galaxy SAB(r)cd:	EEF,PS,R,VDIFFIC
NGC 6664 Aug 13 2007 31" Mar 18 2007 8"	Sct 31mmT5 11mmT6	H12-8 B,L,R=G B,L,LOOSE GROUP,R=F	Open Cluster 9.0 III 2 m	CL,L,PRI,VLC
NGC 6665 Aug 16 2009 31"	Lyr 17mmT4	PF,PS,OVAL,UB,NND,R=F	Galaxy Sc	VF,VS
NGC 6667 Jul 27 2009 16"	Dra 11mmT6	CF,PS,EON,NND,AV,R=F	Galaxy SABab? pec	VF,PL,LE,VF D* NR
NGC 6671 Aug 16 2009 31"	Lyr 17mmT4	PF,PS,R,UB,NND,R=F	Galaxy S	VF,VS,R,MBM
NGC 6675 Aug 16 2009 31"	Lyr 17mmT4	DIFF,PF,PS,OVAL,UB,NND,R=F	Galaxy Sbc	VF,E,45"
NGC 6677 Sep 05 2010 12"	Dra 5.5mmN	PF,CS,R,UB,NNE,R=F	Galaxy Compact	VF,VS,BET*VNR\$VF D*
NGC 6681 Jul 05 2016 12" Mar 16 2012 18" Mar 01 2011 12" Mar 08 2010 12" Aug 20 2006 1.9" Mar 27 2006 8" Jun 19 2004 8"	Sgr 8mm Et 17mmAT 17mmAT 26mm 12x50 19mmW 25mmPL	M70 VERY GOOD 2012 M.M. M.M. 2011 - MANUAL SETTING CIRCLES M.M. 2010 MANUAL SETTING CIRCLES PF,S,R=F PF,PS,R=F,TIGHT GROUP GOOD NIGHT - MEGASTAR	Globular	GCL,B,PL,R,GBM,
NGC 6682 Aug 13 2007 31"	Sct 31mmT5	PB,EL,R=G. MASSIVE CLUSTER	Open Cluster star clou	CL,L,RI,ST10...18
NGC 6683 Aug 13 2007 31"	Sct 31mmT5	B,PS,R=G, SOMEWHAT DENSE	Open Cluster 11.7 II 1 p n	CL,VRI,VLC,IN M WAY
NGC 6685 Aug 16 2009 31"	Lyr 17mmT4	PF,PS,OVAL,FNUC,R=G	Galaxy S0-:	EEF,VS,R,VDIFFI,SP-2
NGC 6686 Aug 16 2009 31"	Lyr 17mmT4	CF,CS,R,UB,NND,R=F	Galaxy C	EEF,ES,R,VDIFFI,NF-2
NGC 6688 Aug 16 2009 31"	Lyr 17mmT4	PF,PS,R,BNUC,HISB,R=G	Galaxy SA0+	F,PS,R,BM
NGC 6690 Jul 27 2009 16"	Dra 11mmT6	PF,PS,EON,UB,NND,R=F	Non-Existent	

Observations Listing by Catalog Number

NGC 6691	Dra		Galaxy SB(rs)bc	VF,PL,R,PB*S NR
Apr 29 2011 12"	5mm TV	CF,VS,R,UB,NND,R=F		
NGC 6692	Lyr		Galaxy E/S0	VF,VS,IRRE,SEVVF*INV
Aug 16 2009 31"	17mmT4	PF,PS,R,UB,NND,R=F		
NGC 6694	Sct	M26	Open Cluster 11.0 II 3 m	CL,CL,PRI,PC,ST12.15
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Aug 16 2006 1.9"	12x50	PB,L,R=G		
Mar 27 2006 8"	19mmW	F,S,R=F		
Jun 14 2004 8"	25mmPL	SPOTTY CLOUDS - MEGASTAR CONTROL		
NGC 6695	Lyr		Galaxy SBb	VF,S,IRRE,NS,VLBM
Aug 16 2009 31"	17mmT4	PF,PS,OVAL,UB,NND,R=F		
NGC 6700	Lyr		Galaxy SB(rs)c	EF,LE,DIF,IR
Aug 16 2009 31"	17mmT4	PF,PS,R,UB,NND,R=F		
NGC 6701	Dra		Galaxy (R')SB(s)a	PB,PS,ME,F*CLOSE F
Sep 05 2010 12"	5.5mmN	PF,PS,OVAL,MEXT,FNUC,MSB,R=G,PA=30		
NGC 6702	Lyr		Galaxy E:	PF,S,LE
Jun 30 2008 16"	17mmT4	PF,PS,R,NND,R=F		
NGC 6703	Lyr		Galaxy SA0-	B,S,R,MBM
May 18 2014 18"	8mm Ds	F,PS,R,FNUC,R=G,SOME SPIRAL STRUCTURE NOTED.		
Jun 30 2008 16"	17mmT4	B,PS,OVAL,NND,R=F		
NGC 6704	Sct		Open Cluster 12.0 I 2 m	CL,B,60ST13
Aug 13 2007 31"	31mmT5	PB,S,R=G		
NGC 6705	Sct	M11	Open Cluster 11.0 I 2 r	CL,VB,L,IR,RI,*9,
Jul 19 2017 12"	17mmT4	VERY NICE. FULL OF STARS. R=G		
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"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Aug 12 2006 1.9"	12x50	B,L,R=G		
Mar 27 2006 8"	19mmW	B,L,R=G		
Jun 14 2004 8"	25mmPL	SPOTTY CLOUDS - MEGASTAR CONTROL		
NGC 6709	Aql		Open Cluster 9.0 IV 2 m	CL,PRI,LC,IF
Jul 25 2017 12"	11mmT6	B,S,R=G		
Oct 29 2006 8"	19mmW	SMALLER, COMPRESSED,R=G		
Oct 08 2006 1.9"	12x50	PF,PS,R=F, LOOSE GROUP		
Jun 19 2004 8"	25mmPL	GOOD NIGHT - MEGASTAR		

Observations Listing by Catalog Number

NGC 6710	Lyr		Galaxy SA0+?	VF,S,R,BM
Jun 30 2008 16"	17mmT4	PF,PS,OVAL,ND,R=F		
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 6713	Lyr		Galaxy Pec	VF,S,R,BM
Aug 16 2009 31"	17mmT4	CF,CS,OVAL,UB,NND,R=F		
NGC 6715	Sgr	M54	Globular	GCL,VB,L,R,G,SMBM,
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 6716	Sgr		Open Cluster 8.3 IV 1 p	CL,PRI,ST9...13
Oct 08 2006 1.9"	12x50	F,S,R=F		
Jul 08 2004 8"	25mmPL	VERY CLEAR NIGHT - LEFT AT 1:00AM		
NGC 6717	Sgr	H143-3	Globular	F,S,RR,CL+NEB
Jun 19 2004 8"	7.5mmW	GOOD NIGHT - MEGASTAR		
NGC 6720	Lyr	M57	Planetary Neb 4+3	RINGNEB,B,PL,CE,LYRA
Jul 02 2017 12"	17mmT4	SURPRISINGLY NOT TOO BAD		
Jul 05 2016 12"	8mm Et	SUPER		
Jun 17 2016 12"	8mm Ds	SURPRISINGLY NICE IN THE MOONLIGHT		
Aug 21 2015 12"	8mm Ds	LP2 FILTER		
Jul 15 2015 12"	8mm Ds			
May 23 2015 12"	11mmT6	EYE CANDY		
May 18 2014 18"	8mm Ds	EYE CANDY.		
Jul 13 2013 18"	7mm TV	EYE CANDY		
Oct 21 2012 8"	25mmPL	ANOTHER SURPRISE AT HOME,ROUND AND DISTINCT		
May 23 2012 18"	17mmAT	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"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Jun 30 2008 16"	17mmT4	PB,PL,R,NO CENTRAL STAR,R=G		
Oct 08 2006 1.9"	12x50	PB,S,R=G		
Mar 27 2006 8"	19mmW	B,L,R, R=G		
Aug 14 2004 8"	11mmT6	F/L W/NEW FOCUSER, NAGLER, DOBSON		
Dec 26 2003 8"	25mmPL	Q/M COLD		
Oct 10 2003 8"	25mmPL	FIRST LIGHT - FIRST OBJECT		

Observations Listing by Catalog Number

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		
NGC 6724	Aql		Open Cluster 12.0 cluster? CL	
Jul 25 2017 12"	11mmT6	F,PS,R=P, 12+ STARS		
Aug 18 2010 12"	11mmT6	PF,CS, R=P, TIGHT GROUP, STARS 6-8		
NGC 6735	Aql		Open Cluster 12.0	CL,VL,P,ST12...
Jul 25 2017 12"	11mmT6	F,S,R=F		
Jul 13 2007 8"	11mmT6	CF,CS,R=F		
NGC 6738	Aql		Open Cluster IV 2 p	CL,P,LC
Jul 25 2017 12"	11mmT6	F,S,R=F		
Oct 30 2007 1.9"	12x50	B,S,LOOSE GROUPD,R=F		
Jun 19 2004 8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC 6740	Lyr		Galaxy S	EEF,S
Aug 16 2009 31"	17mmT4	CF,CS,R,UB,NND,R=F		
NGC 6741	Aql		Planetary Neb 4	PLN,STELLAR
Aug 07 2016 12"	8mm Et	PF,VS,R=F. LP3. PHANTOM STREAK.		
Sep 19 2014 12"	11mmT6	PF,PS,R=F, LP-2, NO CENTRAL STAR, HOME - 9/14/14		
Jul 03 2005 8"	11mmT6	VF,ML,PATCH,AV,R=F		
NGC 6742	Dra	H742-3	Planetary Neb 2c	VF,STELLAR
Sep 05 2010 12"	5.5mmN	CF,CS,R=F. NO CENTRAL STAR NOTED. OIII ADDS NOTHING.		
NGC 6745	Lyr		Galaxy Sm	VF,LE NS
Sep 01 2011 31"	17mmT4	PF,PS,OVAL,PEXT,FNUC,R=G,PA=100		
Aug 16 2009 31"	17mmT4	PF,PS,OVAL,UB,NND,R=F		
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 6750	Dra		Galaxy Sc	VF,VS,R
Sep 05 2010 12"	5.5mmN	CF,PS,OVAL,MET,UB,NND,R=F,PA=35		
NGC 6751	Aql		Planetary Neb 3	PB,S
Aug 07 2016 12"	8mm Et	PF,PS,R=G. LP3 GLOWING EYE.		
Jul 03 2005 8"	11mmT6	MB,ML,R=G		
NGC 6755	Aql	H19-7	Open Cluster 11.0 II 2 r	CL,VL,VRI,PC,,*12.14
Oct 30 2007 1.9"	12x50	B,S,R=F		
Jul 08 2004 8"	25mmPL	DIM - LOOKS LIKE P.N. IN 8		
NGC 6756	Aql	H62-7	Open Cluster 13.0 I 1 m	CL,S,RI,LC,*11...12
Jul 08 2004 8"	25mmPL	DIM - LOOKS LIKE P.N. IN 8		

Observations Listing by Catalog Number

NGC 6757	Dra		Galaxy SB(r)0/a	PF,ME,3F*INV
Sep 05 2010 12"	5.5mmN	DIFF,CF,PS,OVAL,UB,NND,R=F,PA=105		
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 6764	Cyg		Galaxy SB(s)bc	PF,PL,ME,SEVVF*INV
Jul 21 2004 8"	25mmPL	SHORT NIGHT - CLOUDS ROLLED IN.		
NGC 6765	Lyr		Planetary Neb 5	F,S,E
Jun 30 2008 16"	11mmT6	VF,PS,R,NO CENTRAL STAR,R=F		
NGC 6772	Aql	H14-4	Planetary Neb 3b+2	VF,L,R,VVLBM,R
Aug 31 2008 31"	17mmT4	VF,VS,R,R=P,NO CENTRAL STAR		
NGC 6775	Aql		Open Cluster cluster?	CL,P,LC,ST10...11
Aug 18 2010 12"	11mmT6	PF,CS,R=P,LOOSE DISTANT GROUP, STARS 8-10		
NGC 6778	Aql		Planetary Neb 3+3	S,E,ILL-DEFINED DISC
Aug 31 2008 31"	17mmT4	PB,PS,R,R=G, NO CENTRAL STAR		
NGC 6779	Lyr	M56	Globular	GCL,B,L,IR,GVMCM,RRR
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 6781	Aql	H743-3	Planetary Neb 3+3	PLN,F,L,R,VSBM DISC
Aug 07 2016 12"	8mm Et	PF,PS,R=G., LP3. LITTLE RING.		
Sep 19 2014 12"	11mmT6	F,PL,OVAL,R=G, LP-2, 3 STARS INSIDE, HOME - 9/14/14		
Sep 13 2009 12"	32mmUW	8TH OBJECT		
Oct 06 2004 8"	11mmT6	MB,OVAL,HISB,R=G		
NGC 6783	Cyg		Galaxy C	EF,DIFFIC
Jul 21 2004 8"	25mmPL	SHORT NIGHT - CLOUDS ROLLED IN.		
NGC 6786	Dra		Galaxy SB?	EEF,S,R,2ST NF
Sep 05 2010 12"	5.5mmN	CF,PS,OVAL,UB,NND,R=F,PA=85		

Observations Listing by Catalog Number

NGC 6789	Dra		Galaxy Im	EEF,PL,R,VDIFFIC
Sep 05 2010 12"	5.5mmN	VF,PS,OVAL,UB,NND,AV,R=F,PA=120		
NGC 6790	Aql		Planetary Neb 2	PLN,B,ES,STELL=9.5M
Aug 07 2016 12"	8mm Et	PF,VS,R=F. LP3. EYE OF THE EAGLE		
Jul 03 2005 8"	11mmT6	VF,VS,AV,R=F		
NGC 6791	Lyr		Open Cluster 15.0 I 2 r	VF
Aug 16 2009 31"	17mmT4	PB,PL,R=G,TIGHT GROUP		
NGC 6792	Lyr		Galaxy SBb	F,E26,GLBM,*9.5SF
Aug 16 2009 31"	17mmT4	PF,PS,EL,OVAL,UB,FNUC,R=G		
NGC 6793	Vul	H81-8	Open Cluster III 2 p	CL,P,LC
Aug 18 2010 12"	11mmT6	PF,PS,R=F, STARS 10-12		
NGC 6796	Dra		Galaxy Sbc: sp	VF,PS,ME NS
Sep 05 2010 12"	5.5mmN	CF,PS,EON,UB,NND,R=F,PA=45		
NGC 6798	Cyg		Galaxy S0	F,VS,R,*VNR
Jul 21 2004 8"	25mmPL	SHORT NIGHT - CLOUDS ROLLED IN.		
NGC 6800	Vul	H21-8	Open Cluster 10.0 IV 1 p	CL,VL,PRI,VLC,ST10..
Aug 18 2010 12"	11mmT6	PF,CS,R=P,STARS 8+?		
NGC 6801	Cyg		Galaxy SAcD	EF,PS,R,F*S NR
Jul 21 2004 8"	25mmPL	SHORT NIGHT - CLOUDS ROLLED IN.		
NGC 6802	Vul	H14-6	Open Cluster 14.0 I 1 m	CL,L,VC,E0,ST14...18
Jul 23 2006 8"	11mmT6	PF,CS,R=F		
NGC 6803	Aql		Planetary Neb 2a	PLN,STELLAR
Jul 25 2017 12"	11mmT6	VF,VS,R=F USED LP2.		
Jul 03 2005 8"	11mmT6	VF,VS,AV,R=F		
NGC 6804	Aql	H38-6	Planetary Neb 4+2	CB,S,IR,RRR
Jul 25 2017 12"	11mmT6	VF,VS,R=F. USED LP2		
Sep 13 2009 12"	32mmUW	9TH OBJECT		
Jul 03 2005 8"	11mmT6	VF,ML,AV,R=F		
NGC 6807	Aql		Planetary Neb 2	PLN,STELLAR
Aug 31 2008 31"	17mmT4	CF,CS,R,R=P, NO CENTRAL STAR		
NGC 6809	Sgr	M55	Globular	GCL,PB,L,R,VRI,VGBM
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		

Observations Listing by Catalog Number

NGC 6811	Cyg		Open Cluster 11.0 III 1 r	CL,L,PRI,LC,ST11..14
Oct 30 2007 1.9"	12x50	F,PS,R=F		
Jun 26 2004 8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON		
NGC 6813	Vul		Nebula E	**IN VF,S NEB
Nov 16 2012 18"	11mmT6	6-8 STARS WITH FAINT NEBULA,R=F		
NGC 6814	Aql	H744-3	Galaxy SAB(rs)bc	PF,PL,R,BM,R
Jul 25 2017 12"	11mmT6	PF,PS,R,NND,R=F		
Aug 02 2005 8"	11mmT6	VF,MS,R,FNUC,R=F		
NGC 6818	Sgr	H51-4	Planetary Neb 4	PLN,B,VS,R
Sep 19 2014 12"	11mmT6	B,S,ROUND DOT, HOME - 8/14/14		
Jul 09 2005 8"	11mmT6	VB,VS,R,R=G		
NGC 6819	Cyg		Open Cluster 11.0 I 1 r	CL,VL,VRI,*11...15
Oct 08 2006 1.9"	12x50	N.S.R=F, TIGHTER GROUP		
Jul 16 2004 8"	25mmPL	CLEAR - SEEING NOT TOO BAD		
NGC 6820	Vul		Nebula E	F,S,R,BM
Jun 20 2007 1.9"	12x50	PF,S,R=F, JUST DETECTED		
NGC 6821	Aql		Galaxy SB(s)d:	F,PL,R
Aug 31 2008 31"	17mmT4	CF,CS,OVAL,UB,NND,R=F		
NGC 6822	Sgr		Galaxy IB(s)m	VF,L,E,DIF
Sep 04 2004 8"	11mmT6	VF,L,OVAL,NND,R=F		
Jul 08 2004 8"	25mmPL	VERY CLEAR NIGHT - LEFT AT 1:00AM		
NGC 6823	Vul	H18-7	Open Cluster 8.8 I 3 m n	CL,CRI,E,ST11...12
Jun 20 2007 1.9"	12x50	PF,PS, STARS 6+,R=F		
Jul 23 2006 8"	11mmT6	B,PS,R=F		
NGC 6824	Cyg	H878-2	Galaxy SA(s)b:	PB,IF,BM
Nov 13 2007 8"	11mmT6	CF,CS,R,UB,NND,R=F		
Jul 21 2004 8"	25mmPL	SHORT NIGHT - CLOUDS ROLLED IN.		
NGC 6826	Cyg	H73-4	Planetary Neb 3a+2	PLN,B,PL,R,*11M
Jul 19 2017 12"	11mmT6	F,PS,R=G. SQM=20.01. 71 DEGREES OUT.		
Aug 13 2010 31"	17mmT4	B,S,R=F, CENTRAL STAR OBSERVED AND NOTED		
Nov 13 2007 8"	11mmT6	PB,PS,R,R=G, NO CENTRAL STAR		
Oct 13 2006 8"	19mmW	VF,PS,R=F		
Sep 04 2004 8"	11mmT6	FAINT		
NGC 6827	Vul		Open Cluster 13.0 I 1 m	VF,E,DIF,SEV ST INV
Sep 02 2016 12"	8mm Et	F,S,R=F		
NGC 6830	Vul	H9-7	Open Cluster 10.0 II 2 p	CL,L,PRI,PC,*11...12
Jul 23 2006 8"	11mmT6	B,PS,R=F		

Observations Listing by Catalog Number

NGC 6833	Cyg		Planetary Neb 2	PLN,STELLAR
Aug 13 2010 31"	17mmT4	CF,VVS,R=F.	STELLAR IN APPEARANCE	
NGC 6834	Cyg	H16-8	Open Cluster 11.0 II 2 m	CL,P,LC,*11...12
Jul 23 2006 8"	19mmW	PB,PS,R=F,LOOSE GROUP		
Jul 16 2004 8"	25mmPL	CLEAR - SEEING NOT TOO BAD		
NGC 6835	Sgr		Galaxy SB(s)a? sp	F,PL,ME
Aug 12 2005 8"	7.5mmW	VF,VS,OVAL,NND,R=F		
NGC 6836	Sgr		Galaxy SABm	VF,PL,R,DIF
Aug 12 2005 8"	7.5mmW	VF,VS,R,NND,AV,R=F		
NGC 6837	Aql	H18-8	Open Cluster IV 1 p	CL,S,P
Sep 05 2007 8"	11mmT6	PF,PS,R=F		
NGC 6838	Sge	M71	Globular	CL,VL,VRI,PMC,*11.16
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 6840	Aql	H19-8	Open Cluster 10.0 cluster?	CL,P,LC
Sep 05 2007 8"	11mmT6	PF,PS,R=F		
NGC 6842	Vul		Planetary Neb 3b	F,PL,VLE
Sep 01 2008 31"	17mmT4	PF,PS,R=P.	NO CENTRAL STAR	
NGC 6843	Aql		Open Cluster 10.0 cluster?	CL,S,P
Sep 05 2007 8"	11mmT6	PF,PS,R=F		
NGC 6846	Cyg		Open Cluster 12.8 II 2	EF,VS,3*INV
Aug 13 2010 31"	17mmT4	F,CS,R=F		
Jul 27 2009 16"	11mmT6	PF,VS,R=F		
NGC 6852	Aql		Planetary Neb 4	F NEB,AM ST
Jul 25 2017 12"	11mmT6	VF,VS,R=F.	USED LP2	
Aug 13 2010 31"	17mmT4	F,PS,PATCHY,R=F.	NO CENTRAL STAR NOTED.	
Jul 03 2005 8"	11mmT6	VF,VS,AV,R=F		

Observations Listing by Catalog Number

NGC 6853	Vul	M27	Planetary Neb 3+2	VB,VL,BIN,IE,DUMBBEL
Sep 02 2016 12"	8mm Et		VERY NICE WITH/WITHOUT OIII.	
Aug 07 2016 12"	8mm Et		BRIGHT,LARGE,R=E. OUTSTANDING EVEN WITHOUT LP3.	
Aug 21 2015 12"	8mm Ds		LP2 FILTER	
Oct 21 2012 8"	11mmT6		B,L,R=G,SURPRISE UNDER THE STREETLIGHTS	
Mar 16 2012 18"	17mmAT		2012 M.M.	
Mar 01 2011 12"	17mmAT		M.M. 2011 - MANUAL SETTING CIRCLES	
Aug 31 2010 12"	17mmAT		NIGHT ENDING EYE CANDY	
Mar 08 2010 12"	26mm		M.M. 2010 MANUAL SETTING CIRCLES	
Sep 13 2009 12"	32mmUW		1ST OBJECT WITH 12" SKYWATCHER & MANUAL SETTING CIRCLES	
Mar 20 2009 16"	26mm		MESSIER MARATHON - 2009	
Sep 01 2008 31"	17mmT4		VB,CL,R=E. NO CENTRAL STAR	
Aug 12 2006 1.9"	12x50		F,S,R,R=F	
Mar 27 2006 8"	19mmW		B,L,R=G, LONG	
Aug 14 2004 8"	11mmT6			
Dec 26 2003 8"	25mmPL		Q/M COLD	
NGC 6857	Cyg	H144-3	Nebula HII	F,AM MILKY WAY ST
Aug 02 2005 8"	19mmW		MB,VL,HISB,R=G	
NGC 6858	Aql		Open Cluster 10.0	cluster? CL,CL,E,PRI,ST13...
Aug 18 2010 12"	11mmT6		PF,PS,R=F, LOOSE GROUP, STAR 10-15	
NGC 6864	Sgr	M75	Globular	GCL,B,PL,R,VMBMBN,RR
Mar 16 2012 18"	17mmAT		2012 M.M.	
Mar 08 2010 12"	11mmT6		M.M. 2010 MANUAL SETTING CIRCLES	
Aug 16 2006 1.9"	12x50		PF,S,R=F	
Jul 16 2006 8"	19mmW		PF,PS,R=F	
Jul 09 2005 8"	11mmT6		PB,PL,R=G,TIGHT GROUP	
Jun 19 2004 8"	25mmPL		GOOD NIGHT - MEGASTAR	
NGC 6865	Aql		Galaxy S0	F,S,E
Aug 31 2008 31"	17mmT4		CF,CS,R,UB,NND,R=F	
NGC 6866	Cyg	H59-7	Open Cluster 10.0 II 2 r	CL,L,VRI,CC
Jul 23 2006 8"	19mmW		PB,PS,R=F,EXTENDED GROUP	
Jul 16 2004 8"	25mmPL		CLEAR - SEEING NOT TOO BAD	
NGC 6869	Dra		Galaxy S0	PB,PS,R
Jul 27 2009 16"	11mmT6		PF,PS,R,UB,NND,R=F	
NGC 6871	Cyg		Open Cluster 6.8 II 2 p n	CL,ST L\$\$,D*INV
Oct 30 2007 1.9"	12x50		B,S,R=F	
Oct 13 2006 8"	19mmW		B,L,R=F	
Jun 26 2004 8"	25mmPL		CLOUDS EARLY - GIBBOUS MOON	
NGC 6874	Cyg	H86-8	Non-Existent	CL,P,LC
Jul 27 2009 16"	11mmT6		PB,PS,, LOOSE GROUP, R=F	
Jun 26 2004 8"	25mmPL		CLOUDS EARLY - GIBBOUS MOON	

Observations Listing by Catalog Number

NGC 6881	Cyg		Planetary Neb 2a+3	PLN,STELLAR
Aug 13 2010 31"	17mmT4	PF,VS,R=P.	STELLAR IN APPEARANCE - NO CENTRAL STAR!	
Jul 27 2009 16"	7.5mmW	VF,VS,R=F,	NO VISIBLE CENTRAL STAR	
NGC 6882	Vul	H22-8	Open Cluster	CL,P,LC
Jul 23 2006 8"	11mmT6	PB,PS,R=F		
NGC 6883	Cyg		Open Cluster IV 2 m n	CL,PRI,**INV
Oct 30 2007 1.9"	12x50	PB,S,R=F		
Jun 26 2004 8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON		
NGC 6884	Cyg		Planetary Neb 2b	PLN,STELLAR
Jul 23 2006 8"	11mmT6	VF,VS,AV,R=F		
NGC 6885	Vul	H20-8	Open Cluster 5.9 III 2 m	CL,VB,VL,RI,LC,*6.11
Jul 23 2006 8"	11mmT6	PB,PS,R=F		
NGC 6886	Sge		Planetary Neb 2+3	PLN,STELLAR=10M
Sep 01 2008 31"	17mmT4	PB,VS,R=F.	NO CENTRAL STAR	
NGC 6888	Cyg	H72-4	Nebula E	F,VL,VME,**ATT
Oct 12 2012 36"	17mmT4	FINE NEBULA IN CYGNUS,	OUTSTANDING OBJECT, OIII FILTER	
Oct 12 2012 18"	17mmT4	FINE OBJECT IN JOHN'S 20"	OBSESSION, OIII FILTER	
Jul 24 2006 8"	25mmPL	PF,PL,PATCHEY,R=F		
NGC 6891	Del		Planetary Neb 2a+2b	PLN,STELLAR=9.5M
Sep 25 2006 31"	19mmW	PB,L,R,R=G		
Aug 12 2005 8"	7.5mmW	MF,VS,OVAL,R=F		
NGC 6894	Cyg	H13-4	Planetary Neb 4+2	RINGNEB,F,S,VVLE
Aug 13 2010 31"	17mmT4	F,PS,R=F.	OVAL PATCH - NO CENTRAL STAR NOTED	
Jul 27 2009 16"	11mmT6	PF,PS,ROUND,	NO VISIBLE CENTRAL STAR,R=F	
NGC 6897	Cap		Galaxy Sbc	VF,S
Sep 28 2008 31"	17mmT4	F,S,OVAL,NND,R=F		
NGC 6898	Cap		Galaxy (R')SB(rs)a:	F,S,IR
Sep 28 2008 31"	17mmT4	CF,S,OVAL,UB,NND,R=F		
NGC 6900	Aql		Galaxy Sb	VF,S,R
Aug 31 2008 31"	17mmT4	DIFF,PF,PS,OVAL,NND,R=F		
NGC 6901	Aql		Galaxy SB(r)ab	EF
Aug 31 2008 31"	17mmT4	CF,CS,OVAL,FNUC,R=G		
NGC 6903	Cap		Galaxy SAB0- pec:	CL,E,BM*17,*10ATT N
Sep 19 2004 8"	7.5mmW	B,EL,FNUC,R=G		

Observations Listing by Catalog Number

NGC 6905	Del	H16-4	Planetary Neb 3+3	PLN,B,PS,R,4S*NR
Jul 25 2017 12"	11mmT6	F,PS,R=G..	USED LP2	
Aug 13 2007 31"	31mmT5	PF,CS,R,R=G,	CENTRAL STAR NOT VISIBLE	
Aug 09 2005 8"	11mmT6	MB,ML,PATCHY,MSB,R=G		
NGC 6906	Aql		Galaxy SB(rs)bc:	PF,PL,R
Aug 02 2005 8"	11mmT6	MF,ML,OVAL,NND,R=F		
NGC 6907	Cap	H141-3	Galaxy SBbc	CF,CL,VLE,VGLBM,3STP
Sep 19 2004 8"	7.5mmW	VF,PATCH,,NND,AV,R=F		
NGC 6908	Cap		Galaxy SB(s)bc	EF,VS,LE,6907P
Sep 28 2008 31"	17mmT4	PF,PS,OVAL,UB,NND,R=F		
NGC 6910	Cyg	H56-8	Open Cluster 9.6 I 3 m n	CL,PB,PS,P,PC,*20.12
Oct 08 2006 1.9"	12x50	PF,PS,R=F		
Jul 23 2006 8"	19mmW	CB,PS,R=F,BRIGHTER,TIGHTER		
Jun 26 2004 8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON		
NGC 6912	Cap		Galaxy SB(s)c	VF,2*14,15NP,*8F
Sep 28 2008 31"	17mmT4	VF,S,R,NND,R=F		
NGC 6913	Cyg	M29	Open Cluster 9.0 II 3 m n	CL,P,LC,STL\$\$
Jul 19 2017 12"	17mmT4	VERY NICE. R=G		
Jul 01 2016 12"	35mm A	B,L,R=G		
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Aug 31 2010 12"	17mmAT	NIGHT ENDING EYE CANDY		
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Aug 16 2006 1.9"	12x50	B,S,R=F		
Mar 27 2006 8"	19mmW	S,LOOSE,R=F		
Jun 19 2004 8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC 6914	Cyg		Nebula R	VF,VL,IR,DIF,2*ATT P
Jul 24 2006 8"	25mmPL	PF,PS,PATCHY,R=F		
NGC 6914A	Cyg		Nebula R	
Aug 18 2010 12"	11mmT6	CF,PS,R=F,FAINT HINT OF NEBULOSITY, OIII FILTER, STARS 5+		
NGC 6914B	Cyg		Nebula R	
Aug 18 2010 12"	11mmT6	CF,PS,R=P,FAINT HINT OF NEBULOSITY,OIII FILTER STARS 2		
NGC 6915	Aql		Galaxy (R')Sab?	PB,S,R
Aug 31 2008 31"	17mmT4	PB,PS,EON,UB,NND,R=G		
NGC 6916	Cyg		Galaxy SBbc	EEF,PS,F*NR P,VDIFFI
Jul 21 2004 8"	25mmPL	SHORT NIGHT - CLOUDS ROLLED IN.		

Observations Listing by Catalog Number

NGC 6917	Del		Galaxy S	VF,S,ATT TO A S*
Sep 25 2006 31"	19mmW	F,L,OVAL,ND,R=F		
NGC 6921	Vul		Galaxy SA(r)0/a:	F,S,E
Sep 01 2008 31"	17mmT4	PF,S,R,FNUC,R=F		
NGC 6922	Aql		Galaxy SA(rs)c pec:	VF,PL,R
Aug 31 2008 31"	17mmT4	VF,CS,OVAL,NND,R=P		
NGC 6924	Cap		Galaxy SA(s)0-:	VF,PS,R,SBMN
Sep 28 2008 31"	17mmT4	PF,ES,OVAL,UB,NND,R=F		
NGC 6926	Aql	H142-3	Galaxy SB(s)bc pec	VF,PL,E176,P OF 2
Aug 31 2008 31"	17mmT4	DIFF,CF,S,OVAL,NND,R=F		
Aug 02 2005 8"	11mmT6	VF,VS,NND,AV,R=F		
NGC 6927	Del		Galaxy S0: sp	EF,LE
Aug 31 2008 31"	17mmT4	VF,VS,OVAL,NND,R=F		
Sep 25 2006 31"	19mmW	PF,S,OVAL,NND,R=F		
NGC 6927A	Del		Galaxy E6:	
Aug 31 2008 31"	17mmT4	VF,VS,R,NND,AV,R=P		
Sep 25 2006 31"	19mmW	VF,S,OVAL,NND,AV,R=F		
NGC 6928	Del		Galaxy SB(s)ab	PB,PL,ME
Aug 31 2008 31"	17mmT4	PF,PS,EON,FNUC,MSB,R=F		
Sep 25 2006 31"	19mmW	PB,PL,EON,FNUC,HISB.R=G		
NGC 6929	Aql		Galaxy SA0+ pec:	VF,VS,SF OF 2
Aug 31 2008 31"	17mmT4	PF,CS,R,UB,NND,R=G		
NGC 6930	Del		Galaxy SB(s)ab? sp	F,ME
Aug 31 2008 31"	17mmT4	DIFF,PF,PS,OVAL,NND,R=F		
Sep 25 2006 31"	19mmW	PF,PS,OVAL,NND,R=F		
NGC 6931	Cap		Galaxy Sb pec?	EF,PS,E120,GBM
Sep 28 2008 31"	17mmT4	PF,S,OVAL,UB,NND,R=F		
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 6936	Cap		Galaxy SA0- sp:	VF,VS,R,SLBM
Sep 28 2008 31"	17mmT4	PF,PS,OVAL,UB,NND,R=F		

Observations Listing by Catalog Number

NGC 6939	Cep	H42-6	Open Cluster 11.9 II 1 r	CL,PL,ERI,PCM,*11.16
Oct 10 2004 8"	11mmT6	MF,R=F, LARGE O.C. LOTS OF STARS		
Oct 06 2004 8"	7.5mmW	MF,R=F		
NGC 6940	Vul	H8-7	Open Cluster 11.0 III 2 r	CL,VB,VL,VRI,CC,STPL
Jul 19 2017 12"	17mmT4	VERY NICE. FULL AND SCATTERED.		
Nov 14 2006 1.9"	12x50	F,S,LOOSER,R=F		
Jul 23 2006 8"	11mmT6	PB,PL,R=G		
NGC 6941	Aql		Galaxy SAB(rs)b	EF,LE,LBM
Aug 31 2008 31"	17mmT4	DIFF,PF,S,OVAL,NND,R=P		
NGC 6944	Del		Galaxy S0-:	PF,S,R
Sep 25 2006 31"	19mmW	PB,,L,OVAL,NND,R=F		
NGC 6944A	Del		Galaxy SB(rs)d pec:	
Sep 25 2006 31"	19mmW	PF,PS,OVAL,NND,AV,R=F		
NGC 6945	Aqr		Galaxy S0-	PF,VS,R,MBM
Sep 13 2007 31"	17mmT4	PB,PL,OVAL,UB,NND,R=G		
NGC 6946	Cep	H76-4	Galaxy SAB(rs)cd	VF,VL,VG,VSBM,RR
Aug 31 2010 12"	7mm TV	DIFF,PF,S,OVAL,MEXT,UB,NND,R=G. PA=180		
Nov 03 2004 8"	11mmT6	MB,OVAL,NND,MSB,R=G		
Oct 10 2004 8"	11mmT6	MF,OVAL,PATCH,NND,R=F		
NGC 6949	Cep		Galaxy S?	EF,PS,IR
Nov 16 2012 18"	5mm TV	VF,VS,R,UB,R=F		
NGC 6950	Del	H23-8	Open Cluster cluster?	CL,P,VLC
Aug 18 2010 12"	11mmT6	PF,PS,R=F,LOOSE,STARS 30+		
NGC 6951	Cep		Non-Existent	PB,PL,LE
Aug 21 2004 8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST		
NGC 6952	Cep		Galaxy SAB(rs)bc	PB,OVAL,DIF,*15NR F
Aug 25 2011 12"	5mm TV	PF,CS,R,UB,FNUC,R=G		
NGC 6954	Del		Galaxy SA0+?	F,S,VLE
Sep 25 2006 31"	19mmW	FB,FL,OVAL,ND,R=G		
NGC 6955	Del		Galaxy SAB(r)bc	EF,PL,R
Sep 25 2006 31"	19mmW	PF,L,R,NND,AV,R=F		
NGC 6956	Del	H219-3	Galaxy SBb	VF,S,STELL,**ATT
Sep 25 2006 31"	19mmW	PB,L,OVAL,NND,R=G		
NGC 6957	Del		Galaxy Scd?	VF,S,R
Sep 25 2006 31"	19mmW	VF,VS,R,NND,AV,R=F		

Observations Listing by Catalog Number

NGC 6959	Aqr		Galaxy (R)S0[^] pec:	VF
Sep 13 2007 31"	17mmT4	PB,PS,EON,UB,FNUC,R=G		
NGC 6960	Cyg	H15-5	Nebula E	PB,CL,EIF,KAPPACYGIN
Jul 19 2017 12"	27m PN	F,L,R=E. LP2.	NICE CONTRAST	
Jul 01 2016 12"	35mm A	GREAT,R=E!!	LP2 FILTER	
Jul 25 2011 12"	32mmUW	B,VL,R=E!!	LP-2 FILTER, EXTENDS N.E. TO S.W WITH N.E. LARGER	
Jun 20 2007 1.9"	12x50	PF,PL,R=F,	HINT OF NEBULOSITY	
Jul 16 2004 8"	25mmPL	CLEAR - SEEING NOT TOO BAD		
NGC 6961	Aqr		Galaxy E+ pec?	EF,VS
Sep 13 2007 31"	17mmT4	CF,CS,R,NND,R=F		
NGC 6962	Aqr	H426-2	Galaxy SAB(r)ab	CF,S,R,BM
Sep 13 2007 31"	17mmT4	CB,CL,OVAL,FNUC,MSB,R=G		
NGC 6963	Aqr		Galaxy S0[^]:	NEB*13M
Sep 13 2007 31"	17mmT4	PF,PS,OVAL,NND,R=F		
NGC 6964	Aqr	H427-2	Galaxy E+ pec:	F,VS,R,BM,*14SF1/2'
Sep 13 2007 31"	17mmT4	CB,CL,OVAL,FNUC,MSB,R=G		
NGC 6967	Aqr		Galaxy SB(rs)0+?	EF,VS,*10F50"
Sep 13 2007 31"	17mmT4	CB,PL,EL,OVAL,FNUC,MSB,R=G		
NGC 6968	Aqr		Galaxy SA0- pec?	F,S,R,GBM,F*INV
Sep 13 2007 31"	17mmT4	PB,PS,OVAL,FNUC,MSB,R=G		
NGC 6969	Del		Galaxy Sa	F,PL,E
Sep 25 2006 31"	19mmW	PB,L,EON,NND,R=G		
NGC 6971	Del		Galaxy Sb	VF,S,R
Sep 25 2006 31"	19mmW	F,L,EL,OVAL,NND,R=F		
NGC 6972	Del		Galaxy S0/a	F,S,R
Sep 25 2006 31"	19mmW	B,L,EL,OVAL,FNUC,R=G		
NGC 6974	Cyg		Nebula EN	NEB*,NEBY CE PF
Aug 07 2016 12"	27m PN	BRIGHT,LARGE,R=E. LP3.		
Aug 18 2010 12"	11mmT6	CF,PS,R=P,LONG-NARROW,OIII FILTER		
NGC 6975	Aqr		Galaxy S?	VF,S,(=6976)
Sep 13 2007 31"	17mmT4	CF,PL,EON,NND,R=F		
NGC 6976	Aqr		Galaxy SAB(r)bc?	EF,IR
Sep 13 2007 31"	17mmT4	PF,PL,R,NND,R=F		
NGC 6977	Aqr		Galaxy SB(r)a pec:	VF,S,IR
Sep 13 2007 31"	17mmT4	PB,PL,OVAL,UB,NND,R=G		

Observations Listing by Catalog Number

NGC 6978	Aqr		Galaxy Sb	VF
Sep 13 2007 31"	17mmT4	CB,PL,EON,FNUC,MSB,R=G		
NGC 6979	Cyg	H206-2	Non-Existent	
Aug 07 2016 12"	27m PN	BRIGHT,LARGE,F=E. LP3.	SQM-19.81, 62 DEGREES F.	
Jun 20 2007 1.9"	12x50	PF,PL,R=F, HINT OF NEBULOSITY		
NGC 6981	Aqr	M72	Globular	GCL,PB,PL,R,GMCM,RRR
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 6986	Cap		Galaxy SB0-?	VF,VS,R,GLBMN
Sep 28 2008 31"	17mmT4	F,S,OVAL,FNUC,R=F		
NGC 6988	Del		Galaxy	EF,PL,R
Sep 25 2006 31"	19mmW	PF,PS,R,NND,R=F		
NGC 6991	Cyg	H76-8	Open Cluster 5.7 III 2 n	CL,L,P,VLC
Nov 13 2007 8"	11mmT6	PB,PL,R=G,STARS=30+, 3 ROWS?		
NGC 6992	Cyg	H14-5	Nebula E	EF,EL,EE,EIF,BIFID
Jul 01 2016 12"	35mm A	GREAT,R=E!! LP2 FILTER		
Jul 25 2011 12"	32mmUW	B,L,R=E! LP-2 FILTER, WISPY FILEMENTS		
Jun 20 2007 1.9"	12x50	PF,L,R=F, HINT OF NEBULOSITY		
Jun 26 2004 8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON		
NGC 6994	Aqr	M73	Open Cluster 11.1 IV 1 p	CL,EP,VLC,NO NEB
Mar 16 2012 18"	17mmAT	2012 M.M.		
Oct 08 2006 1.9"	12x50	F,S,R=F		
Mar 27 2006 8"	19mmW	R=P, 4 STARS?		
Jun 19 2004 8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC 6995	Cyg		Non-Existent	F,EL,NEB\$ST INGROUPS
Jul 19 2017 12"	27m PN	F,L,R=E!! LP2 FILTER. SHOWPIECE OBJECT.		
Jun 20 2007 1.9"	12x50	PF,PL, R=F, HINT OF NEBULOSITY		
Aug 02 2005 8"	19mmW	VB,VL,PATCHY,R=G. NEAT		
NGC 6996	Cyg		Open Cluster 11.0 III 2 m n	CL,P,LC
Aug 18 2010 12"	11mmT6	F,S,R=F,NICE GROUPING, STARS 20+		
NGC 6997	Cyg	H58-8	Open Cluster III 2 m n	CL,P,LC,ST L
Nov 13 2007 8"	11mmT6	PF,PS,LOOSE GROUP, R=F		
Aug 23 2004 8"	11mmT6	DAMP - SEEING NOT TOO BAD.		
Jul 16 2004 8"	25mmPL	CLEAR - SEEING NOT TOO BAD		

Observations Listing by Catalog Number

NGC 7000	Cyg	H37-5	Nebula E	F,EEL,DIF NEBULOSITY
Jul 19 2017 12"	35mm A	OUTSTANDING.		
Jul 01 2016 12"	35mm A	GREAT,R=E!! LP2 FILTER		
Aug 21 2015 12"	35mm A	LP2 FILTER		
Jul 15 2015 12"	35mm A	LP2 FILTER - VERY NICE OBJECT		
Jul 25 2011 12"	32mmUW	B,VL,R=E!! LP-2 FILTER, OUTSTANDING		
Jun 20 2007 1.9"	12x50	F,EL,R=G, LITTLE BETTER		
Aug 02 2005 8"	19mmW	PRETTY LARGE, PRETTY BRIGHT, PRETTY NEAT		
NGC 7001	Aqr		Galaxy SAB(rs)ab:	EF,S,E0
Sep 13 2007 31"	17mmT4	PF,PL,OVAL,UB,NND,R=F		
NGC 7003	Del		Galaxy Sbc	VF,VS,LE,*15CLOSE F
Sep 25 2006 31"	19mmW	F,L,OVAL,PATCHY,NND,R=F		
NGC 7006	Del	H52-1	Globular	B,PL,R,GBM
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 7008	Cyg	H192-1	Planetary Neb 3	CB,L,E45,R,**ATT
Aug 02 2005 8"	19mmW	FB,FL,R=G, BEHIND STAR		
NGC 7009	Aqr	H1-4	Planetary Neb 4+6	PLN,VB,S,ELLIPTIC
Aug 21 2015 12"	8mm Ds			
Oct 29 2006 8"	19mmW	F,VS,OVAL,R=F		
Sep 27 2005 31"	17mmT4	VB,VL,OVAL,HISB,R=G!!		
Jul 08 2004 31"	17mmT4	GREAT IN THE BIG ONE!		
Jul 08 2004 8"	25mmPL	SMALL IN 8_DOBSON		
NGC 7010	Aqr		Galaxy E+ pec:	EF,PL,R,R
Sep 13 2007 31"	17mmT4	PB,PL,EL,OVAL,FNUC,R=G		
NGC 7013	Cyg	H203-2	Galaxy SA(r)0/a	PB,CS,R,PSBM,PB*NP
Jul 21 2004 8"	25mmPL	SHORT NIGHT - CLOUDS ROLLED IN.		
NGC 7016	Cap		Galaxy E0	VF,ES,R,BMN,1ST OF 3
Sep 28 2008 31"	17mmT4	F,S,R,NND,R=F		
NGC 7017	Cap		Galaxy S0	EF,VS,R,BMN,2ND OF 3
Sep 28 2008 31"	17mmT4	CF,S,R,UB,NND,R=F		
NGC 7018	Cap		Galaxy E	VF,VS,VLE,GLBM,3 OF3
Sep 28 2008 31"	17mmT4	VF,S,OVAL,NND,AV,R=F		
NGC 7019	Cap		Galaxy SB(s)b:	VF,VS,R,SBMN
Sep 28 2008 31"	17mmT4	VF,VS,R,NND,AV,R=F		

Observations Listing by Catalog Number

NGC 7023 Nov 13 2007 8"	Cep 19mmW	H74-4 PF,PS,HINT OF NEBULOSITY,R=F	Nebula R	*7IN EF,EL,NEBY
NGC 7024 Jul 27 2009 16"	Cyg 11mmT6	H57-8 PF,PS,R=F, SMALL GROUP	Non-Existent	CL,P,LC,ST10...
NGC 7025 Sep 10 2015 12" Sep 25 2006 31"	Del 7mm TV 19mmW	PF,PS,OVAL,UB,NND,R=F PB,L,OVAL,FNUC,PHISB,R=G	Galaxy Sa	VF,VS,R,STELL
NGC 7026 Aug 24 2005 8"	Cyg 11mmT6	MF,MS,PATCHY,AV,R=F	Planetary Neb 3a	PB,BIN,PLN
NGC 7027 Aug 24 2005 8"	Cyg 7.5mmW	VB,VS,R,R=F	Planetary Neb 3a	PLN,STELLAR=8.5M
NGC 7029 Aug 07 2016 12"	Ind 8mm Et	PB,PS,R=E. LP3. NO CENTRAL STAR NOTED.	Galaxy E6:	B,CS,R,PGMBM
NGC 7030 Sep 28 2008 31"	Cap 17mmT4	PF,S,OVAL,UB,NND,R=F	Galaxy (R')SB(r)ab pec	VF,VS,IR,BMN
NGC 7031 Jul 24 2006 8"	Cyg 11mmT6	H74-8 CF,CS,R=F	Open Cluster 11.3 III 2 m	CL OF TRIP ST,LC
NGC 7035 Sep 28 2008 31"	Cap 17mmT4	VF,VS,OVAL,NND,AV,R=P	Galaxy SAB(s)0:	EF,S,IR
NGC 7035A Sep 28 2008 31"	Cap 17mmT4	VF,VS,OVAL,NND,AV,R=F	Galaxy L	
NGC 7039 Jun 26 2004 8"	Cyg 25mmPL	CLOUDS EARLY - GIBBOUS MOON	Open Cluster 11.3 IV 2 m	CL,VL,PRI,E,ST,10...
NGC 7042 Sep 24 2016 12" Aug 21 2015 12" Oct 06 2004 8"	Peg 8mm Et 8mm Ds 7.5mmW	H209-3 F,S,OVAL,MEXT,UB,NND,R=F VF,OVAL,FNUC,R=G	Galaxy Sb	VF,S,R
NGC 7044 Jul 23 2006 8"	Cyg 19mmW	H24-6 B,S,R=F	Open Cluster 15.0 I 1 r	CL,VF,PL,VRI,VC
NGC 7046 Sep 19 2014 18"	Equ 8mm Ds	H858-3 VF,PS,OVAL,UB,NND,R=F, WRO - 9/19/14	Galaxy SB(rs)cd	EF,PL,R,LBM
NGC 7047 Sep 13 2007 31"	Aqr 17mmT4	PB,PL,EL,OVAL,UB,FNUC,R=G	Galaxy SAB(r)b:	EF,VS,BIN PF

Observations Listing by Catalog Number

NGC 7048 Aug 24 2005 8"	Cyg 7.5mmW VF,ML,PATCHY,AV,R=F	Planetary Neb 3b	PF,PL,DIF,IR,VLBM
NGC 7051 Sep 13 2007 31"	Aqr 17mmT4 PB,PL,OVAL,FNUC,MSB,R=G	Galaxy SB(r)a pec	VF,R,GBM,**NR
NGC 7052 Sep 01 2011 31" Sep 01 2008 31"	Vul 17mmT4 PB,PS,OVAL,PEXT,FNUC,R=G 17mmT4 PF,S,EL,OVAL,UB,NND,R=F	H145-3 Galaxy E	F,S,VLE,R
NGC 7053 Sep 01 2011 12" Oct 07 2010 12"	Peg 17mmT4 PF,PS,R,FNUC,R=G 7mm TV VF,VS,OVAL,UB,NND,R=F,PA=80	Galaxy S?	PB,S,VLE
NGC 7056 Oct 18 2009 12"	Peg 11mmT6 VF,VS,R,UB,NND,AV,R=F	Galaxy SBb	PF,S,R
NGC 7062 Jul 23 2006 8"	Cyg 19mmW PB,PS,R=F	H51-7 Open Cluster 10.1 II 2 m	CL,PS,PRI,PC,ST13...
NGC 7063 Oct 08 2006 1.9" Jul 24 2006 8"	Cyg 12x50 F,S,R=F 11mmT6 CF,S,R=F	Open Cluster 8.9 III 1 p	CL,P,ST10...
NGC 7065 Sep 13 2007 31"	Aqr 17mmT4 CF,PS,R,NND,AV,R=F	Galaxy SB(r)ab?	VF,SBM,
NGC 7065A Sep 13 2007 31"	Aqr 17mmT4 PF,PL,R,PATCHY,NND,R=F	Galaxy SAB(r)c pec?	
NGC 7066 Sep 13 2007 31"	Peg 17mmT4 PB,PS,R,BNUC,HISB,R=G	Galaxy S?	EEF,CLOSE SF OF 3F*
NGC 7067 Jul 24 2006 8"	Cyg 11mmT6 CF,VS,R=F	H50-7 Open Cluster 11.2 II 1 p	CL,P,(NEB)
NGC 7068 Sep 27 2013 18"	Peg 7mm TV PF,PS,OVAL,MEXT,UB,NND,R=F	Galaxy Sc	VF,CLOSE TO A S*
NGC 7069 Sep 13 2007 31"	Aqr 17mmT4 PB,PS,OVAL,UB,FNUC,R=G	Galaxy SAB(s)0-?	VF,S,R,STELL
NGC 7071 Aug 24 2005 8"	Cyg 11mmT6 R=P, DISAPPOINTING	Non-Existent	CL,S,C,CE
NGC 7073 Sep 28 2008 31"	Cap 17mmT4 VF,S,R,NND,R=F	Galaxy Sa/b	VF,VS,IR

Observations Listing by Catalog Number

NGC 7074	Peg		Galaxy C	VF,S,E
Sep 27 2013 18"	7mm TV		VF,VS,EON,UB,NND,R=F	
NGC 7077	Aqr		Galaxy S0- pec?	F
Sep 13 2007 31"	17mmT4		PB,PS,OVAL,FNUC,MSB,R=G	
NGC 7078	Peg	M15	Globular	GCL,VB,VL,IR,VSMBM
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 7080	Vul		Galaxy SB(r)b	VF,S,VLE
Sep 01 2008 31"	17mmT4		PF,S,R,FNUC,R=F	
NGC 7081	Aqr	H859-3	Galaxy Sb pec?	F,S,R,MBM,*14S
Sep 13 2007 31"	17mmT4		PB,PL,R,UB,NND,R=G	
NGC 7082	Cyg	H52-7	Open Cluster 9.9 IV 2 p	CL,L,CRI,LC,ST10..13
Nov 13 2007 8"	11mmT6		PF,PS,R=F	
Jun 26 2004 8"	25mmPL		CLOUDS EARLY - GIBBOUS MOON	
NGC 7086	Cyg	H32-6	Open Cluster 10.2 II 2 m	CL,CL,VRI,PC,*11..16
Jul 23 2006 8"	19mmW		PB,PS,R=F	
NGC 7089	Aqr	M2	Globular	GCL,B,VL,GPMBM,RRR
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	

Observations Listing by Catalog Number

NGC 7092	Cyg	M39	Open Cluster 7.0 III 2 m	CL,VL,VP,VLC,*7...10
Jul 19 2017 12"	17mmT4	LARGER THAN M29		
Jul 01 2016 12"	35mm A	B,S,R=G		
Aug 21 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"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Aug 16 2006 1.9"	12x50	B,S,R=F		
Mar 27 2006 8"	19mmW	S,LOOSE,R=F		
Jun 19 2004 8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC 7094	Peg		Planetary Neb 4	*IN EEF NEBY,VDIFFIC
Sep 05 2010 28"	26mm	PF,PS,R,R=F,OII, NO CENTRAL STAR NOTED		
Aug 29 2010 12"	7mm TV	VF,CS,AV,R=F. NO CENTRAL STAR NOTED.		
NGC 7099	Cap	M30	Globular	GCL,B,L,LE,GPMBM
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 7102	Peg		Galaxy SB(rs)b?	F,PL,R
Jul 27 2009 16"	11mmT6	VF,PS,OVAL,NND,AV,R=F		
NGC 7103	Cap		Galaxy E+1	VF,VS,R,GBM,1ST OF 2
Sep 28 2008 31"	17mmT4	CF,CS,R,UB,NND,R=F		
NGC 7104	Cap		Galaxy E0 pec:	VF,VS,IR,GBMN,2NDOF2
Sep 28 2008 31"	17mmT4	F,S,R,UB,NND,R=F		
NGC 7108	Aqr		Galaxy E	VF,S,R,STELL
Oct 05 2005 31"	17mmT4	F,ML,OVAL,DIFF,FNUC,R=F		
NGC 7116	Cyg		Galaxy S?	VF,PL,ME
Jul 21 2004 8"	25mmPL	SHORT NIGHT - CLOUDS ROLLED IN.		
NGC 7120	Aqr		Galaxy Sb	VF,S,VLE
Sep 13 2007 31"	17mmT4	PF,PS,EL,OVAL,UB,NND,R=F		
NGC 7121	Aqr		Galaxy SB(r)bc?	VF,VS,R,VLBM
Sep 13 2007 31"	17mmT4	PB,PS,OVAL,UB,NND,R=F		
NGC 7127	Cyg		Open Cluster IV 1 p	CL,S,P,LC
Jul 23 2007 8"	19mmW	PF,CS,R=F,SMUDGE, NO STARS		
NGC 7128	Cyg	H40-7	Open Cluster 11.5 I 3 m	CL,S,PRI,HASARUBY*9
Jul 23 2006 8"	19mmW	PF,CS,R=F,SMUDGE, NO STARS		

Observations Listing by Catalog Number

NGC 7129 Nov 13 2007 8"	Cep 19mmW	H75-4 PF,CS,LOOSE CLUSTER, HINT OF NEBULOSITY,R=F	Nebula IV 2 p n	CF,PL,GBM***
NGC 7131 Sep 28 2008 31"	Cap 17mmT4	PF,CS,EL,OVAL,UB,NND,R=F	Galaxy (R')SA(rs)0^?	VF,S,VLE,VGBM
NGC 7137 Sep 24 2016 12" Oct 06 2004 8"	Peg 8mm Et 7.5mmW	PF,S,OVAL,UB,NND,R=F VF,OVAL,NND,AV,R=F	Galaxy SAB(rs)c	F,PS,R,VGLBM,R
NGC 7139 Oct 18 2009 12"	Cep 11mmT6	H696-3 VF,PS,R=F. NO OTHER DETAIL = FAINT SMUDGE	Planetary Neb 3b	VF,CS,R,R
NGC 7142 Nov 03 2004 8"	Cep 11mmT6	H66-7	Open Cluster 11.0 I 2 r	CL,CL,CRI,PC,*11..14
NGC 7148 Sep 25 2006 31"	Peg 19mmW	PF,PS,R,NND,R=F	Galaxy C	VF,VS,R
NGC 7149 Sep 25 2006 31"	Peg 19mmW	FB,L,EL,OVAL,NND,R=G	Galaxy E	VF,VS,R
NGC 7156 Jul 27 2009 16"	Peg 11mmT6	H452-3 PF,PS,OVAL,UB,NND,R=F	Galaxy SAB(rs)cd:	F,PL,R,BM,R
NGC 7160 Jul 21 2007 1.9" Nov 09 2006 8" Jul 24 2006 8" Aug 23 2004 8"	Cep 12x50 19mmW 11mmT6 11mmT6	PF,PS,AV,R=F VS, COMPRESSED,R=F PB,S,R=F DAMP - SEEING NOT TOO BAD.	Open Cluster 7.0 I 3 p	CL,P,VLC
NGC 7164 Sep 13 2007 31"	Aqr 17mmT4	CF,PS,OVAL,NND,R=F	Galaxy SAB(rs)0+ pec:	EF,R,4VF ST N
NGC 7165 Sep 13 2007 31"	Aqr 17mmT4	H930-3 PB,PS,R,UB,NND,R=F	Galaxy SB(r)ab	EF
NGC 7167 Sep 13 2007 31" Sep 05 2007 8"	Aqr 17mmT4 11mmT6	VF,PL,R,NND,AV,R=F PF,VS,R,NND,R=F	Galaxy SB(s)c:	F,PS,R,VGLBM,*10F
NGC 7170 Sep 13 2007 31"	Aqr 17mmT4	PB,PS,OVAL,FNUC,MSB,R=G	Galaxy SA0-?	VF,PS,IR,BMN,D*P36S
NGC 7171 Oct 05 2005 31"	Aqr 17mmT4	H692-3 F,PL,EL,OVAL,NND,R=F	Galaxy SB(rs)b	VF,CL,E124,VGBM

Observations Listing by Catalog Number

NGC 7177	Peg	H247-2	Galaxy SAB(r)b	PB,PS,R,BMN,R,*SP
Sep 24 2016 12"	8mm Et	PF,PS,OVAL,UB,NND,R=G		
Sep 01 2011 31"	17mmT4	PB,PS,OVAL,PEXT,BNUC,R=G		
Jul 21 2004 8"	25mmPL	SHORT NIGHT - CLOUDS ROLLED IN.		
NGC 7180	Aqr	H693-3	Galaxy S0^?	VF,S,R,LBM,P OF 2
Sep 13 2007 31"	17mmT4	PB,PS,EL,OVAL,FNUC,MSB,R=G		
NGC 7181	Aqr		Galaxy S0^ pec:	EF,VS,STELLAR
Sep 13 2007 31"	17mmT4	PF,PS,R,UB,NND,R=F		
NGC 7182	Aqr		Galaxy SB(rs)0+:	EF,VS,STELLAR
Sep 13 2007 31"	17mmT4	PF,PS,OVAL,UB,NND,R=F		
NGC 7183	Aqr	H595-2	Galaxy S0+ pec sp	VF,PL,E90,LBM
Sep 13 2007 31"	17mmT4	PB,PL,EON,UB,FNUC,R=G		
NGC 7184	Aqr	H1-2	Galaxy SB(r)c	PB,PL,ME64,BET3*,ER
Sep 13 2007 31"	17mmT4	PB,CL,EON,FNUC,HISB,R=G		
Aug 21 2004 8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST		
NGC 7185	Aqr		Galaxy SAB(rs)0- pec?	VF,PL,IR,VGLBM,F OF 2
Sep 13 2007 31"	17mmT4	PB,PL,OVAL,FNUC,MSB,R=G		
NGC 7188	Aqr		Galaxy (R')SB(rs)bc	EF,PS,E,LBM
Sep 13 2007 31"	17mmT4	PF,PL,EL,OVAL,NND,R=G		
NGC 7189	Aqr		Galaxy SB(rs)b pec:	F,S,LE
Sep 13 2007 31"	17mmT4	PB,PS,OVAL,UB,NND,R=G		
NGC 7194	Peg		Galaxy E	VF,VS,R,LBM
Aug 17 2012 18"	7mm TV	F,S,OVAL,UB,NND,R=F		
NGC 7197	Lac	H599-2	Galaxy Sa	F,CS,CE,VGLBM,ER
Aug 24 2012 18"	5mm TV	PF,VS,OVAL,MEXT,UB,NND,R=F		
NGC 7198	Aqr		Galaxy S0 pec	EF,VS,STELLAR
Sep 13 2007 31"	17mmT4	PB,PS,OVAL,BNUC,HISB,R=G		
NGC 7206	Peg		Galaxy S0:	F,S,LE,BM
Oct 23 2008 31"	17mmT4	CF,CS,OVAL,UB,FNUC,R=F		
NGC 7207	Peg		Galaxy	VF,S
Oct 23 2008 31"	17mmT4	CF,S,EL,OVAL,UB,NND,R=F		

Observations Listing by Catalog Number

NGC 7209	Lac	H53-7	Open Cluster 9.0 III 1 m	CL,L,CRI,PC,ST9...12
Jul 21 2007 1.9"	12x50	PB,PL,R=G		
Nov 09 2006 8"	19mmW	LARGE AND LOOSE,R=F		
Jul 24 2006 8"	11mmT6	PB,PS,R=G		
Jul 21 2004 8"	25mmPL	SHORT NIGHT - CLOUDS ROLLED IN.		
Jun 26 2004 8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON		
NGC 7211	Aqr		Galaxy S0	EF,S,STELLAR
Sep 13 2007 31"	17mmT4	PB,PS,OVAL,BNC,HISB,R=G		
NGC 7212	Peg		Galaxy S?	EF,VS,LE
Sep 14 2012 36"	17mmT4	PF,PS,OVAL,FNUC,R=F		
Oct 23 2008 31"	17mmT4	CF,CS,EL,OVAL,FNUC,R=F		
NGC 7215	Aqr		Galaxy S0^?	VF,S,E
Sep 13 2007 31"	17mmT4	PF,PS,EL,OVAL,UB,NND,R=F		
NGC 7217	Peg	H207-2	Galaxy (R)SA(r)ab	B,PL,GBM,ER
Sep 24 2016 12"	8mm Et	B,S,R,FNUC,R=G		
Sep 14 2012 36"	17mmT4	B,S,R,BNUC,R=G, SPIRAL STRUCTURE NOTED		
Sep 15 2004 8"	7.5mmW	F.NND.AV.R=F		
Jul 16 2004 8"	25mmPL	10.2 PHOTO MAG. VERY FAINT		
NGC 7218	Aqr	H897-2	Galaxy SB(rs)cd	PB,LE,R
Sep 13 2007 31"	17mmT4	PF,PL,OVAL,UB,NND,R=F		
Nov 21 2006 8"	19mmW	PF,PS,OVAL,NND,R=F		
NGC 7220	Aqr		Galaxy SAB(s)0^:	EF,VS,VLE,GBM,*10N3'
Sep 13 2007 31"	17mmT4	PF,PS,OVAL,NND,R=F		
NGC 7222	Aqr		Galaxy SB(r)b	VF,S
Sep 13 2007 31"	17mmT4	PF,PL,R,UB,NND,R=F		
NGC 7223	Lac	H862-3	Galaxy SB(rs)bc	EF,PS,LE,R,AM3ST
Aug 24 2012 18"	5mm TV	DIFF,VF,PS,OVAL,UB,AV2,R=F		
NGC 7224	Peg		Galaxy E	F,S,R
Sep 14 2012 36"	17mmT4	F,PS,OVAL,UB,NND,R=F		
Oct 23 2008 31"	17mmT4	CF,CS,OVAL,UB,FNUC,R=F		
NGC 7226	Cep		Open Cluster 10.8 I 2 m	PB,L,IN CLUSTER
Oct 18 2009 12"	11mmT6	PF,PS,,R=F. RESOLVE OUTER STARTS		
NGC 7227	Lac		Galaxy S0	VF,VS,R,LBM,NP OF 2
Sep 14 2012 18"	7mm TV	VF,VS,OVAL,PEXT,UB,NND,R=F		
NGC 7231	Lac	H606-2	Galaxy SBa	EF,S,ER
Aug 24 2012 18"	5mm TV	PF,VS,EON,UB,NND,R=F		

Observations Listing by Catalog Number

NGC 7235 Jul 21 2007 1.9"	Cep 12x50 B,PS,R=F		Open Cluster 8.8 II 3 m	CL,PC,HAS RUBY*10
NGC 7236 Oct 23 2008 31"	Peg 17mmT4 CF,CS,R,FNUC,R=F		Galaxy SA0-	VF,S,STELLAR
NGC 7237 Oct 23 2008 31"	Peg 17mmT4 F,S,R,UB,NND,R=F		Galaxy SA0-	VF,S,STELLAR
NGC 7241 Sep 19 2004 8"	Peg 7.5mmW VF,EL,NND,AV,R=F MAG.=13.8		Galaxy SB(s)bc? pec	PF,LE,*10ATT S
NGC 7242 Aug 23 2004 8"	Lac 11mmT6 VS,VF		Galaxy E+:	VF,S,LBM,F OF 2
NGC 7243 Jul 21 2007 1.9" Nov 09 2006 8" Jul 24 2006 8" Jul 21 2004 8"	Lac 12x50 PB,PL,R=G 19mmW TIGHTER,HINT OF NEB.,R=F 11mmT6 PB,PL,R=G 25mmPL SHORT NIGHT - CLOUDS ROLLED IN.	H75-8	Open Cluster 8.0 II 2 m	CL,L,P,LC,ST VL
NGC 7244 Oct 23 2008 31"	Peg 17mmT4 CF,CS,R,UB,NND,R=F		Galaxy S?	EF,ES,R,BM
NGC 7245 Nov 13 2007 8"	Lac 11mmT6 PF,VVS,R=P	H29-6	Open Cluster 12.8 II 2 m	CL,C,ST ES
NGC 7247 Sep 05 2007 8"	Aqr 11mmT6 VF,VS,R,AV,R=F		Galaxy SB(s)b:	PF,VS,R,LBM,BD*P13S
NGC 7248 Aug 24 2012 18"	Lac 5mm TV PF,VS,OVAL,FNUC,R=F,	H863-3	Galaxy SA0-:	VF,VS,MBM
NGC 7250 Aug 24 2012 18"	Lac 5mm TV VF,VS,OVAL,MEXT,UB,NND,AV2,R=F, STAR AT NE TIP	H864-3	Galaxy Sdm?	VF,S,ME165
NGC 7251 Sep 05 2007 8"	Aqr 11mmT6 VF,VS,R,AV,R=F	H933-3	Galaxy (R')SA(rs)a?	F,PS,R,GPMBM
NGC 7252 Sep 05 2007 8"	Aqr 11mmT6 PF,PS,OVAL,NND,AV,R=F	H458-3	Galaxy (R)SA(r)0^:	F,S,R,ER
NGC 7253A Oct 23 2008 31"	Peg 17mmT4 CF,CS,EON,UB,NND,R=F		Galaxy SB?	VF,PE
NGC 7253B Oct 23 2008 31"	Peg 17mmT4 F,CS,EON,NND,R=F		Galaxy S?	

Observations Listing by Catalog Number

NGC 7256	Aqr		Galaxy SBb	3F* IN F NEB
Oct 31 2010 12"	5.5mmN	VF,VS,OVAL,PEXT,UB,NND,R=F,PA=170		
NGC 7260	Aqr		Galaxy	EF,PS,IR
Sep 13 2007 31"	17mmT4	PF,PL,OVAL,UB,NND,R=F		
NGC 7261	Cep		Open Cluster 9.6 II 3 m	CL,L,PRI,LC
Oct 18 2009 12"	11mmT6	PB,PS,R=G. RESOLVE AROUND 20+ STARS		
NGC 7265	Lac		Galaxy S0-	F,VS,R,MBM
Sep 14 2012 18"	7mm TV	PF,PS,OVAL,FNUC,R=F		
NGC 7266	Aqr		Galaxy Sa	F,VS,R,ALM STELLAR
Sep 13 2007 31"	17mmT4	PB,PS,R,UB,NND,R=F		
NGC 7270	Peg		Galaxy S?	VF,S,E
Oct 23 2008 31"	17mmT4	CF,S,OVAL,FNUC,R=F		
NGC 7271	Peg		Galaxy L	VF,S,VLE
Oct 23 2008 31"	17mmT4	F,S,R,UB,NND,R=F		
NGC 7272	Peg		Galaxy SBa	VF,S,IR
Oct 23 2008 31"	17mmT4	CF,CS,OVAL,UB,NND,R=F		
NGC 7275	Peg		Galaxy Sa	EF,S,ME
Oct 23 2008 31"	17mmT4	CF,CS,EON,FNUC,MSB,R=F		
NGC 7280	Peg	H248-2	Galaxy SAB(r)0+	F,CS,R,GBMS*,3*N,NF
Oct 23 2008 31"	17mmT4	PF,PS,OVAL,BNUC,MSB,R=G		
Aug 12 2005 8"	7.5mmW	VF,VS,OVAL,AV,R=F		
NGC 7283	Peg		Galaxy S?	VF,VS,R
Sep 01 2011 31"	17mmT4	CF,CS,R,UB,NND,R=F		
Oct 23 2008 31"	17mmT4	F,S,OVAL,UB,NND,R=F		
NGC 7284	Aqr	H469-2	Galaxy SB(s)0^ pec	CF,CS,LE,R,D*INV
Sep 05 2007 8"	11mmT6	VF,VS,R,NND,AV,R=F		
NGC 7285	Aqr		Galaxy SB(rs)a pec	NEB*1'DIST FROM7284
Sep 05 2007 8"	11mmT6	VF,VS,R,NND,AV,R=F		
NGC 7286	Peg		Galaxy S0/a	VF,S,R,AM ST
Oct 23 2008 31"	17mmT4	CF,CS,EON,UB,NND,R=F		
NGC 7288	Aqr		Galaxy S0/a pec sp	VF,ES,STELLAR
Sep 13 2007 31"	17mmT4	PB,PL,OVAL,FNUC,MSB,R=G		

Observations Listing by Catalog Number

NGC 7290	Peg		Galaxy SA(r)bc	PB,S,PME
Sep 01 2011 31"	17mmT4	PF,PS,OVAL,UB,NND,R=G		
Oct 23 2008 31"	17mmT4	PF,CS,OVAL,UB,NND,R=F		
NGC 7291	Peg		Galaxy S0	EF,ES,R,SMBM
Sep 01 2011 31"	17mmT4	PF,PS,R,FNUC,R=F		
Oct 23 2008 31"	17mmT4	PF,CS,R,FNUC,MSB,R=F		
NGC 7292	Peg		Galaxy IBm	EF,S,OVAL,F*INV
Aug 25 2009 16"	11mmT6	VF,CS,OVAL,NND,AV,R=F		
Aug 12 2005 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 7293	Aqr		Planetary Neb 4+3	PF,VL,E OR BIN
Sep 05 2010 12"	11mmT6	B,PS,R=G. CENTRAL STAR NOT NOTED. OIII FILTER ADDS DETAIL.		
Nov 09 2004 8"	11mmT6	NICE - ALMOST ROUND PATCH! LARGE.		
NGC 7296	Lac	H41-7	Open Cluster 10.0 II 2 p	CL,IR,LC,ST VS
Jul 24 2006 8"	11mmT6	PF,CS,R=F		
NGC 7300	Aqr		Galaxy SAB(rs)b:	VF,CS,E,VGLBM
Sep 05 2007 8"	11mmT6	PF,PS,OVAL,NND,R=F		
NGC 7302	Aqr	H31-4	Galaxy SA(s)0-:	F,PS,R,VSBMSN
Sep 12 2010 12"	5.5mmN	CF,CS,OVAL,MEXT,UB,NND,R=F,PA=165		
NGC 7303	Peg		Galaxy Sbc	VF,S,R,GVLBM
Sep 14 2012 36"	17mmT4	F,PS,OVAL,MEXT,BNUC,R=G, SPIRAL STRUCTURE SEEN TOWARDS NOTHERN PART.		
Aug 25 2009 16"	11mmT6	CF,CS,R,NND,AV,R=F		
NGC 7304	Peg		Non-Existent	VF,PS,VLBM,NF7303,()
Oct 23 2008 31"	17mmT4	CF,CS,OVAL,UB,NND,R=F		
NGC 7305	Peg		Galaxy E/S0	EF,S,R,4F*AROUND
Oct 23 2008 31"	17mmT4	F,VS,R,NND,R=P		
NGC 7309	Aqr	H476-2	Galaxy SAB(rs)c	VF,PL,R,GLBM,R
Sep 12 2010 12"	5.5mmN	VF,PS,R,UB,NND,R=F		
NGC 7311	Peg	H428-2	Galaxy Sab	PF,S,R,PSBM,R
Oct 18 2009 12"	11mmT6	VF,VS,OVAL,NND,AV		
Aug 12 2005 8"	11mmT6	VF,VS,EL,NND,AV,R=F		
NGC 7312	Peg		Galaxy SB(s)b	F,S
Oct 23 2008 31"	17mmT4	F,CS,EL,OVAL,UB,R=F		
NGC 7315	Peg		Galaxy S0	VF,ES,R,BM
Sep 14 2012 36"	17mmT4	PF,PS,R,UB,NND,R=F		
Oct 23 2008 31"	17mmT4	CF,CS,R,UB,NND,R=F		

Observations Listing by Catalog Number

NGC	7316	Peg	H180-3	Galaxy S	F,S,R,*8SP
	Sep 14 2012	36"	17mmT4	F,PS,OVAL,EXT,FNUC,R=G,FAINT STAR AT SW CORNER.	
	Oct 23 2008	31"	17mmT4	DIFF,F,CS,OVAL,UB,NND,R=F	
NGC	7317	Peg		Galaxy E4	VF,VS
	Sep 02 2016	12"	5.5mmN	VF,CS,R,NND,AV,R=P	
	Sep 10 2015	12"	7mm TV	1ST OBJECT AT WRO WITH 12AD, VF,VS,R=F	
	Jul 13 2013	18"	5mm TV	STEPHAN'S QUINTET	
	Oct 12 2012	36"	17mmT4	DIRECT VISION WITH BRIGHT CORE - 1ST VIEW W/36"	
	Oct 10 2012	36"	17mmT4	STEPHEN'S QUINTET - GALAXY 1. BRIGHT NUCLEUS	
	Aug 06 2010	12"	7mm TV	VF,CS,R,NND,AV,R=F	
	Oct 06 2004	31"	17mmT4	MB,EL,OVAL,FNUC,R=G	
NGC	7318A	Peg		Galaxy E2 pec	EF,ES
	Sep 02 2016	12"	5.5mmN	EF,CS,R,NND,R=F	
	Sep 10 2015	12"	7mm TV	VF,VS,R=F	
	Jul 13 2013	18"	5mm TV	STEPHAN'S QUINTET	
	Oct 12 2012	36"	17mmT4	DIRECT VISION WITH BRIGHT CORE - 1ST VIEW W/36"	
	Aug 06 2010	12"	7mm TV	EF,CS,R,NND,R=P	
	Oct 06 2004	31"	17mmT4	MB,EL,OVAL,FNUC,R=G	
NGC	7318B	Peg		Galaxy SB(s)bc pec	EF,ES
	Sep 02 2016	12"	5.5mmN	VF,CS,OVAL,NND,AV,R=F	
	Sep 10 2015	12"	7mm TV	VF,VS,R=F	
	Jul 13 2013	18"	5mm TV	STEPHAN'S QUINTET	
	Oct 12 2012	36"	17mmT4	DIRECT VISION WITH BRIGHT CORE - 1ST VIEW W/36"	
	Aug 06 2010	12"	7mm TV	VF,CS,R,NND,AV,R=P	
	Oct 06 2004	31"	17mmT4	MB,EL,OVAL,FNUC,R=G	
NGC	7319	Peg		Galaxy SB(s)bc pec	EF,ES
	Sep 02 2016	12"	5.5mmN	CF,PS,OVAL,UB,NND,R=F	
	Sep 10 2015	12"	7mm TV	VF,VS,R=F	
	Jul 13 2013	18"	5mm TV	STEPHAN'S QUINTET	
	Oct 12 2012	36"	17mmT4	DIRECT VISION WITH BRIGHT CORE - 1ST VIEW W/36"	
	Aug 06 2010	12"	7mm TV	CF,PS,OVAL,UB,NND,R=F	
	Oct 06 2004	31"	17mmT4	MB,EL,OVAL,FNUC,R=G	
NGC	7320	Peg		Galaxy SA(s)d	F,VS
	Sep 02 2016	12"	5.5mmN	CF,PS,OVAL,UB,NND,R=F	
	Sep 10 2015	12"	7mm TV	VF,VS,R=F	
	Jul 13 2013	18"	5mm TV	STEPHAN'S QUINTET	
	Oct 12 2012	36"	17mmT4	DIRECT VISION WITH BRIGHT CORE - 1ST VIEW W/36"	
	Aug 06 2010	12"	7mm TV	CF,PS,OVAL,UB,NND,R=F	
	Oct 06 2004	31"	17mmT4	MB,EL,OVAL,NND,R=G	
	Sep 15 2004	8"	7.5mmW	B,EL,FNUC,HISB,R=G	
NGC	7320C	Peg		Galaxy (R)SAB(s)0/a	
	Jul 13 2013	18"	5mm TV	VF,VS,R,UB,NND,AV2,R=F	
	Oct 06 2004	31"	17mmT4	MF,OVAL,NND,AV,R=F	

Observations Listing by Catalog Number

NGC 7321	Peg	H237-3	Galaxy SB(r)b	F,S,IR,VGVLBM
Aug 29 2010 12"	7mm TV	VF,CS,OVAL,UB,NND,R=F.	PA=75	
Oct 23 2008 31"	17mmT4	DIFF,F,CS,OVAL,UB,NND,R=F		
NGC 7323	Peg		Galaxy Sb	PF,PL,IR
Sep 14 2012 36"	17mmT4	PF,PS,OVAL,UB,NND,MSB,R=G		
Oct 23 2008 31"	17mmT4	CF,CS,OVAL,UB,NND,R=F		
NGC 7324	Peg		Galaxy E	VF,VS,NEB*
Sep 14 2012 36"	17mmT4	PF,VS,OVAL,PEXT,FNUC,R=G		
Oct 23 2008 31"	17mmT4	F,S,OVAL,NND,R=F		
NGC 7327	Peg		Non-Existent	EF,ES,NP 7331
Sep 02 2016 12"	5.5mmN	VF,VS,OVAL,NND,R-F		
NGC 7328	Peg		Galaxy Sab	EF,PS,LE90,VGLBM
Oct 23 2008 31"	17mmT4	F,CS,EON,NND,R=F		
NGC 7330	Lac		Galaxy E	PB,S,LE,BM
Sep 14 2012 18"	7mm TV	PF,PS,R,UB,NND,R=F		
NGC 7331	Peg	H53-1	Galaxy SA(s)b	B,PL,PME163,SMBM
Sep 02 2016 12"	5.5mmN	PF,PS,EON,BNUC,R=E.	SQM-19.96. 56 DEGREES AT 2125 HOURS	
Sep 10 2015 12"	7mm TV	F,PS,EON,FNUC,R=G		
Aug 21 2015 12"	8mm Ds			
Jul 13 2013 18"	7mm TV	EYE CANDY. ALWAYS GREAT TO LOOK AT.		
Oct 21 2012 8"	11mmT6	SMALL SPINDLE, NOT ENOUGH APERTURE OR DARK ENOUGH SKIES.		
Oct 07 2010 12"	17mmAT	F,PS,EON,BNUC,HSB,R=G,PA=10		
Sep 13 2009 12"	32mmUW	3RD OBJECT		
Jul 23 2006 8"	11mmT6	PB,PL,EON,FNUC,R=G		
Jul 16 2004 31"	20mmUW	9.5 PHOTO MAG. BRIGHTER YET.		
Jul 16 2004 8"	25mmPL	9.5 PHOTO MAG. BRIGHT		
NGC 7332	Peg	H233-2	Galaxy S0 pec sp	CB,S,ME156,SMBMN,P-2
Sep 24 2016 12"	8mm Et	F,S,EON,BNUC,R=G		
Sep 14 2012 36"	17mmT4	F,S,EON,BNUC,HSB,R=E, VERY NEAR NGC-7339		
Aug 25 2009 16"	11mmT6	PB,PS,EON,BNUC,R=G		
Oct 21 2006 31"	20mmUW	VB,PL,EON,VBNUC,R=G,PAIR W/N7339		
Aug 21 2004 8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST		
NGC 7335	Peg	H166-3	Galaxy SA(rs)0+	VF,VS
Sep 02 2016 12"	5.5mmN	VF,VS,OVAL,NND,R=F		
Aug 17 2012 18"	7mm TV	F,PS,OVA,PRETTY EXTENDED,NND,R=F		
Oct 23 2008 31"	17mmT4	CF,CS,OVAL,UB,FNUC,R=F		
NGC 7336	Peg		Galaxy S	EF,VS
Oct 23 2008 31"	17mmT4	VF,S,OVAL,NND,AV,R=F		

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NGC 7337	Peg		Galaxy SB(rs)b	EF,S,STELLAR
Sep 02 2016 12"	5.5mmN	VF,VS,OVAL,NND,R=F		
Aug 17 2012 18"	7mm TV	VF,VS,OVAL,MEXT,NND,AV1,R=F		
Oct 23 2008 31"	17mmT4	F,CS,OVAL,NND,R=F		
NGC 7339	Peg	H234-2	Galaxy SAB(s)bc:?	F,PS,ME89,VGLBM,FOF2
Sep 24 2016 12"	8mm Et	PF,PS,EON,UB,NND,R=F		
Sep 14 2012 36"	17mmT4	F,S,EON,UB,HSB,R=G, VERY NEAR, NGC-7332		
Aug 25 2009 16"	11mmT6	DIFF,PF,PS,EON,NND,R=F		
Oct 21 2006 31"	20mmUW	PB,PL,EON,NNUC,,R=G,PAIR W/N7332		
Sep 15 2004 8"	7.5mmW	F,PATCH,NND,AV,R=F		
Sep 12 2004 8"	11mmT6	B,S,EL,OVAL,FNUC,HISB,G		
NGC 7340	Peg		Galaxy E?	VF,VS
Aug 17 2012 18"	7mm TV	F,S,OVAL,MODERATELY EXTENDED,UB,NND,R=F		
Oct 23 2008 31"	17mmT4	CF,CS,OVAL,UB,NND,R=F		
NGC 7341	Aqr		Galaxy SAB(r)ab:	PF,PS,E,LBM
Oct 09 2007 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 7342	Peg		Galaxy SBa	EF,VS
Oct 23 2008 31"	17mmT4	F,CS,R,NND,R=F		
NGC 7343	Peg		Galaxy (R')SB(s)bc:	EF,VS,R,LBM,S*INV
Oct 23 2008 31"	17mmT4	F,CS,R,NND,R=F		
NGC 7344	Aqr		Galaxy (R')SB(r)ab	PF,VS,R
Sep 13 2007 31"	17mmT4	PF,PS,EL,OVAL,UB,NND,R=F		
NGC 7347	Peg		Galaxy S?	EF,PL,E
Sep 06 2013 18"	7mm TV	PF,PS,EON,UB,NND,R=F		
NGC 7351	Aqr		Galaxy SAB0^:	PF,PS,R,BM,R
Sep 13 2007 31"	17mmT4	PB,PS,EL,OVAL,FNUC,MSB,R=G		
NGC 7353	Peg		Galaxy Sbc	EF
Aug 17 2012 18"	7mm TV	F,EON,UB,NND,AV2,R=G		
NGC 7354	Cep	H705-2	Planetary Neb 4+3b	PLN,B,S,R,PGVLBM
Sep 07 2005 8"	11mmT6	MB,ML,R,MSB,R=G		
NGC 7356	Peg		Galaxy Sbc	EF,PS,R,GLBM,*ATT
Nov 02 2010 31"	17mmT4	PF,PS,OVAL,MEXT,FNUC,R=G		
NGC 7357	Peg		Galaxy Sb	VF,VS,VF*INV
Nov 02 2010 31"	17mmT4	PF,PS,OVAL,MEXT,FNUC,R=F,STAR AT NE TIP		
NGC 7359	Aqr		Galaxy S0^: sp	PF,VS,PME,BMN
Oct 09 2007 8"	11mmT6	VF,VS,EL,OVAL,NND,AV,R=F		

Observations Listing by Catalog Number

NGC 7360 Sep 06 2013 18"	Peg 7mm TV	PF,PS,OVAL,UB,NND,R=F	Galaxy S?	EF,VS
NGC 7362 Aug 12 2005 8"	Peg 11mmT6	VF,VS,R,NND,AV,R=F	Galaxy E:	VF,S,R,LBM
NGC 7364 Sep 13 2007 31"	Aqr 17mmT4	H442-2 PB,PS,OVAL,FNUC,MSB,R=G	Galaxy S0/a pec:	F,S,R,PSBM
NGC 7365 Oct 31 2010 12"	Aqr 5.5mmN	PF,VS,OVAL,UB,NND,R=F	Galaxy SA(rs)0-:	VF,ES,R,GBMN,*11NF4'
NGC 7370 Nov 03 2013 36"	Peg 17mmT4	VF,VS,OVAL,NND,R=F	Galaxy	EF,VS
NGC 7371 Sep 05 2007 8"	Aqr 11mmT6	H477-2 PF,VS,R,NND,R=F	Galaxy (R)SA(r)0/a:	VF,PL,R,LBM
NGC 7372 Sep 27 2013 18"	Peg 7mm TV	PF,PS,R,UB,NND,R=F	Galaxy S?	F,S,IR
NGC 7373 Sep 27 2013 18"	Peg 7mm TV	VF,PS,R,UB,NND,R=F	Galaxy SAB(s)0^?	F,VS,BM,STELLAR
NGC 7374 Nov 03 2013 36"	Peg 17mmT4	CF,CS,OVAL,FNUC,R=F,PAIRED W/PGC-69675	Galaxy S?	VF,PL,R
NGC 7375 Nov 03 2013 36"	Peg 17mmT4	CF,CS,OVAL,FNUC,R=F	Galaxy S(r)0	EF,VS,R
NGC 7377 Nov 09 2004 8"	Aqr 11mmT6	H598-2 VF,EL,EON,NND,AV,R=F	Galaxy SA(s)0+	PB,S,VLE,VGMBM,*12P
NGC 7380 Jul 24 2006 8" Aug 21 2004 8"	Cep 11mmT6 11mmT6	H77-8 PB,CS,R=F CLEAR SKIES - H.H. LITE. 1ST REAL TEST	Open Cluster 10.0 III 2 m n CL,PL,PRI,LC,*9...13	
NGC 7383 Sep 12 2010 12"	Peg 5.5mmN	VF,CS,R,UB,NND,AV,R=F	Galaxy SB0	VF,VS,R,7385NF
NGC 7385 Aug 12 2005 8"	Peg 11mmT6	H216-3 VF,VS,R,NND,AV,R=F	Galaxy E pec:	CF,S,R,GLBM,*11NP
NGC 7386 Aug 12 2005 8"	Peg 11mmT6	H217-3 VS,VS,OVAL,NND,AV,R=F	Galaxy SA0:	CF,S,R,PGBM,F OF 2
NGC 7387 Sep 27 2013 18"	Peg 8.8 ES	PF,PS,OVAL,UB,NND,R=F	Galaxy S0-:	EF,VS,R,2*11S

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NGC 7389 Sep 27 2013 18"	Peg 8.8 ES		Galaxy SB0 PF,PS,OVAL,MEXT,UB,NND,R=F	VF,R
NGC 7391 Sep 13 2007 31"	Aqr 17mmT4	H443-2 PB,PL,OVAL,FNUC,HISB,R=G	Galaxy E:	CF,CS,R,SBM*13,*NP
NGC 7392 Oct 09 2007 8"	Aqr 11mmT6	H702-2 VF,PS,OVAL,NND,R=F	Galaxy SA(s)bc	PB,PS,LE120,MBM
NGC 7393 Sep 13 2007 31"	Aqr 17mmT4	H453-2 PF,PS,EON,UB,NND,R=F	Galaxy SB(rs)c pec	VF,PL,LE,VGBM,R
NGC 7407 Sep 12 2010 12"	Peg 5.5mmN		Galaxy Sbc VF,PS,OVAL,MEXT,UB,NND,AV,R=P,PA=110	EF,VS
NGC 7409 Nov 03 2013 36"	Peg 17mmT4		Galaxy E CF,PS,OVAL,UB,NND,R=F	EF
NGC 7411 Nov 03 2013 36"	Peg 17mmT4		Galaxy E: CF,CS,OVAL,FNUC,R=G	VF,VS
NGC 7415 Nov 03 2013 36"	Peg 17mmT4		Galaxy Sab PF,PS,OVAL,UB,NND,R=F,PAIRED W/PGC-69984	EF
NGC 7416 Sep 12 2010 12"	Aqr 5.5mmN		Galaxy SB(r)b CF,CS,EON,UB,NND,R=F,PA=170	F,PL,PME,VGBM
NGC 7419 Nov 13 2007 8"	Cep 11mmT6	H43-7 VF,VS,FAINT SMUDGE,R=F	Open Cluster 10.0 I 2 m	CL,PRI,CC
NGC 7426 Aug 24 2012 18"	Lac 5mm TV	H576-3 VF,PS,R,UB,NND,AV3,R=P	Galaxy E	VF,CS,R,STELLAR,D*P
NGC 7427 Nov 03 2013 36"	Peg 17mmT4		Galaxy Compact CF,PS,R,UB,NND,R=F	F,S,*9SF4'
NGC 7430 Nov 03 2013 36"	Peg 17mmT4		Galaxy S CF,PS,OVAL,FNUC,R=F	EF,VS
NGC 7432 Nov 03 2013 36"	Peg 17mmT4	H465-3 CF,CS,OVAL,UB,NND,R=G	Galaxy E	EF,S,R
NGC 7433 Aug 24 2012 18"	Peg 5mm TV		Galaxy S0/a PF,VS,EON,FNUC,R=F	EF,VS,P 7436
NGC 7435 Aug 24 2012 18"	Peg 5mm TV		Galaxy SB(s)a PF,VS,EON,UB,NND,R=F	EF,S OF 7436

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NGC 7436	Peg	H243-3	Galaxy E	F,PS,F*ATT P,GBM
Aug 24 2012 18"	5mm TV	DIFF,PF,PS,R,UB,NND,R=F		
Aug 25 2009 16"	11mmT6	DIFF,CF,PS,R,NND,R=F		
NGC 7437	Peg		Galaxy SAB(rs)d	EEF,L,R,F*NRNF,
Nov 03 2013 36"	17mmT4	DIFF,CF,PS,R,UB,NND,R=F		
NGC 7439	Peg		Galaxy SB0	LONG PATCH OF F NEBY
Oct 15 2006 31"	19mmW	VF,PS,R,NND,R=F		
NGC 7442	Peg		Galaxy SAc:	PF,R,BET2*16,*13NF
Oct 15 2006 31"	19mmW	VF,L,R,NND,R=F		
NGC 7443	Aqr	H450-2	Galaxy SB(s)0+: sp	F,VS,VLE,SMBM,ER,N-2
Oct 31 2010 12"	5.5mmN	PF,PS,OVAL,PEXT,FNUC,R=F,PA=90. PAIRED WITH NGC-7444		
NGC 7444	Aqr	H451-2	Galaxy SB(r)0^? sp	F,VS,VLE,SMBM,ER,S-2
Oct 31 2010 12"	5.5mmN	CF,PS,OVAL,PEXT,FNUC,R=F,PA=45. PAIRED WITH NGC-7443		
NGC 7448	Peg	H251-2	Galaxy SA(rs)bc	PB,L,E173,VGBM,*F2'
Sep 24 2016 12"	8mm Et	F,S,OVAL,FNUC,R=G		
Sep 10 2015 12"	8mm Ds	F,PS,OVAL,MEXT,UB,NND,R=F		
Oct 26 2014 18"	8mm Ds	PF,PS,OVAL,MEXT,UB,NND,R=G		
Sep 12 2004 8"	11mmT6	F,EL,OVAL,NND,AV,F		
Aug 21 2004 8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST		
NGC 7449	And		Galaxy E:	VF,S,R,VS*INCENTRE
Aug 25 2009 16"	11mmT6	VF,CS,EON,NND,AV,R=F		
NGC 7451	Peg		Galaxy SBbc	PF,PL,*10,11SP2'
Oct 15 2006 31"	19mmW	VF,CS,EON,NND,AV,R=F		
NGC 7454	Peg	H249-2	Galaxy E4	F,CS,LE,LBM,*11P1'
Aug 21 2004 8"	11mmT6	****13.6 PHOTO MAGNITUDE****		
NGC 7457	Peg	H212-2	Galaxy SA(rs)0-?	CB,CL,LE,GMBM,R,2S*N
Sep 24 2016 12"	8mm Et	F,S,OVAL,MEXT,UB,NND,R=G		
Oct 15 2006 31"	19mmW	F,L,OVAL,NND,R=F		
Sep 19 2004 8"	7.5mmW	F,EL,UB,NND,R=G		
NGC 7458	Psc	H590-2	Galaxy E	CF,CS,PSBM
Sep 19 2014 18"	8mm Ds	PF,PS,R,FNUC,R=G, WRO - 9/19/14		
NGC 7461	Peg		Galaxy SB0	VF,VS,ALMSTELLAR
Oct 15 2006 31"	19mmW	VF,CS,R,NND,AV,R=F		

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NGC 7463	Peg	H210-3	Galaxy SABb: pec	VF,S,LE,P OF 2
Sep 10 2015 12"	8mm Ds	PF,PS,OVAL,PEXT,UB,NND,R=F		
Oct 26 2014 12"	8mm Ds	VF,PS,EON,UB,NND,AVII,R=F		
Nov 02 2010 31"	17mmT4	PF,S,EON,UB,HSB,R=G		
Oct 15 2006 31"	19mmW	PF,PL,EON,NND,R=F		
NGC 7464	Peg		Galaxy E1 pec:	VF,VS,E,SF7463
Sep 10 2015 12"	8mm Ds	VF,PS,R,UB,NND,R=F		
Nov 02 2010 31"	17mmT4	PF,PS,R,NND,USB,R=F		
Oct 15 2006 31"	19mmW	PF,CS,R,NND,R=F		
NGC 7465	Peg	H211-3	Galaxy (R')SB(s)0⁺:	VF,VS,FOF 2
Sep 10 2015 12"	8mm Ds	PF,PS,OVAL,UB,NND,R=F		
Oct 26 2014 12"	8mm Ds	PF,PS,OVAL,UB,NND,R=F		
Nov 02 2010 31"	17mmT4	F,S,R,BNUC,R=G		
Oct 15 2006 31"	19mmW	B,PL,OVAL,FNUC,R=G		
NGC 7466	Peg		Galaxy Sb	EF,ES,BM
Oct 15 2006 31"	19mmW	B,PL,EON,FNUC,R=G		
NGC 7467	Peg		Galaxy E/S0	EF,VS
Oct 15 2006 31"	19mmW	VF,CS,R,NND,AV,R=F		
NGC 7468	Peg	H202-3	Galaxy E3: pec	EF,VS
Oct 15 2006 31"	19mmW	PB,L,EL,OVAL,FNUC,R=G		
NGC 7469	Peg	H230-3	Galaxy (R')SAB(rs)a	VF,VS,VSMBM *12
Oct 05 2016 12"	8mm Et	PF,PS,OVAL,UB,NND,R=F		
Sep 19 2004 8"	7.5mmW	B,OVAL,NUC,R=G		
NGC 7473	Peg		Galaxy SB0	VF,S,R
Oct 15 2006 31"	19mmW	PB,CL,EL,OVAL,NND,R=F		
NGC 7474	Peg		Galaxy L	EF,VS
Oct 15 2006 31"	19mmW	CF,PS,R,NND,AV,R=F		
NGC 7475	Peg		Galaxy Double System	VF,S
Oct 15 2006 31"	19mmW	CF,PS,OVAL,NND,AV,R=F		
NGC 7479	Peg	H55-1	Galaxy SB(s)c	PB,CL,ME12,BET2ST
Sep 24 2016 12"	8mm Et	F,S,R,UB,NND,R=F		
Sep 19 2004 8"	7.5mmW	VF,EL,NND,R=F		
NGC 7485	Peg		Galaxy S0	VF,S,R,BM,*10P
Oct 15 2006 31"	19mmW	VB,L,OVAL,FNUC,R=G		
NGC 7487	Peg		Galaxy Compact	VF,S,R
Oct 15 2006 31"	19mmW	VF,VS,R,NND,R=F		

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NGC 7489	Peg		Galaxy Sd	F,S,R
Oct 15 2006 31"	19mmW	PF,L,OVAL,NND,R=F		
NGC 7490	Peg		Galaxy Sbc	VF,VS,IR,LBM
Sep 01 2005 8"	7.5mmW	VF,VS,R,NND,AV,R=F		
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		
NGC 7495	Peg		Galaxy SAB(s)c	EF,S,LE,*9NF NR
Oct 15 2006 31"	19mmW	VF,PS,R,NND,AV,R=F		
NGC 7497	Peg	H203-3	Galaxy SB(s)d	VF,L,PME45,LBM
Oct 06 2004 8"	7.5mmW	VF,EON,NND,AV,R=F		
Sep 19 2004 8"	7.5mmW	VF,PATCH,NND,AV,R=F	MAG=13.3	
NGC 7500	Peg		Galaxy S0	EF,VS,R
Oct 15 2006 31"	19mmW	B,CL,OVAL,NND,R=F		
NGC 7505	Peg		Galaxy	EEF,ES,LE,BET B*\$2F*
Oct 15 2006 31"	19mmW	CF,CS,EON,NND,R=F		
NGC 7506	Psc	H184-3	Galaxy (R')SB(r)0+:	CF,VS,R,SBM*15
Sep 19 2014 18"	8mm Ds	PF,PS,OVAL,FNUC,R=F, WRO - 9/19/14		
NGC 7507	ScI	H2-2	Galaxy E0	PB,CS,R,PSVMBM,*10NP
Aug 25 2011 12"	7mm TV	PF,PS,R,FNUC,R=G, LAST OBJECT FOR HERSCHEL 400 II LIST.		
NGC 7508	Peg		Galaxy S	EF,BM*,*11NP2'
Oct 15 2006 31"	19mmW	CF,CS,EON,NND,R=F		
NGC 7509	Peg		Galaxy C	VF,S,R,BET2*
Oct 15 2006 31"	19mmW	PF,S,R,NND,R=F		
NGC 7510	Cep	H44-7	Open Cluster 10.0 II 3 r n	CL,PRI,PC,FAN-SH,B*P
Mar 04 2006 8"	19mmW	B,S,R=G		
NGC 7511	Peg		Galaxy S?	EEF,S,R,SEV*NF,
Oct 15 2006 31"	19mmW	PB,S,OVAL,FNUC,R=G		
NGC 7512	Peg		Galaxy E	F,S,R,VS*IN CENTRE
Sep 04 2005 8"	11mmT6	VF,VS,NND,LSB,R=F		
NGC 7513	ScI		Galaxy (R')SB(s)b pec	VF,PL,E,GBM
Aug 25 2011 12"	7mm TV	PF,PS,OVAL,MEXT,FNUC,R=G		
NGC 7514	Peg		Galaxy S?	EF,PL,IR
Sep 04 2005 8"	11mmT6	VF,VS,NND,AV,R=F		

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NGC 7515 Sep 04 2005 8"	Peg 11mmT6	H220-3 VF,VS,R,NND,AV,R=F	Galaxy S?	F,CS,R,VGLBM,R
NGC 7516 Oct 15 2006 31"	Peg 19mmW	PF,PS,OVAL,NND,R=F	Galaxy S0	F,VS,STELLAR
NGC 7519 Oct 15 2006 31"	Peg 19mmW	VF,PS,OVAL,NND,AV,R=F	Galaxy Sb:	VF,PL
NGC 7527 Nov 02 2010 31"	Peg 17mmT4	PF,CS,OVAL,UB,HSB,R=F	Galaxy E	VF,VS,STELLAR
NGC 7528 Oct 30 2005 31"	Peg 17mmT4	MF,MS,OVAL,NND,R=F	Galaxy	F,S
NGC 7537 Oct 09 2007 8"	Psc 11mmT6	H429-2 PF,PS,EON,NND,R=F	Galaxy SABc:	VF,CS,R,BM,SP OF 2
NGC 7538 Nov 28 2010 12"	Cep 11mmT6	H706-2 PF,PS,R=F,HINT OF NEBULOSITY, OIII FILTER	Nebula E	VF,L,2PB*INV
NGC 7539 Sep 04 2005 8"	Peg 7.5mmW	VF,VS,R,NND,AV,R=F	Galaxy S0	F,S,R,PSBM
NGC 7541 Oct 09 2007 8"	Psc 11mmT6	H430-2 PB,PS,EON,UB,NND,R=F	Galaxy SB(rs)bc: pec	B,L,ME97,MBM,NF OF 2
NGC 7543 Dec 13 2012 18"	Peg 7mm TV	PF,PS,OVAL,UB,NND,R=F	Galaxy S?	VF,S,R,LBM
NGC 7546 Sep 19 2014 18"	Psc 8mm Ds	VF,VS,OVAL,UB,NND,AV1,R=P, WRO - 9/19/14	Galaxy SAB(r)bc:	EF,S,LE
NGC 7547 Sep 10 2015 12" Dec 13 2012 18"	Peg 7mm TV 7mm TV	VF,VS,R,UB,NND,AV,R=F PF,PS,OVAL,UB,NND,R=F	Galaxy (R')SAB(s)0/a p	VF,S,IR
NGC 7548 Nov 02 2010 31"	Peg 17mmT4	PF,VS,R,FNUC,R=F	Galaxy (R)SAB(r)0^:	VF,VS,*16P11S
NGC 7549 Sep 10 2015 12" Sep 09 2010 12"	Peg 7mm TV 5.5mmN	PF,PS,OVAL,PEXT,UB,NND,R=F VF,CS,EON,NND,AV,=P,PA=45	Galaxy SB(s)cd pec	PF,PS,R,*10,11P
NGC 7550 Sep 10 2015 12" Aug 25 2009 16" Aug 12 2005 8"	Peg 7mm TV 11mmT6 11mmT6	H181-3 PF,PS,R,UB,NND,R=F CF,CS,R,UB,NND,R=F VF,VS,R,NND,AV,R=F	Galaxy SA0-	CF,S,R

Observations Listing by Catalog Number

NGC 7553	Peg		Non-Existent	
Sep 10 2015 12"	7mm TV	VF,VS,R,UB,NND,AV1,R=P		
Oct 30 2005 31"	17mmT4	VF,VS,OVAL,NND,AV,R=F		
NGC 7556	Psc	H235-2	Galaxy S0-	CF,PL,R,B** F
Sep 19 2014 18"	8mm Ds	PF,PS,OVAL,FNUC,R=G, WRO - 9/19/14		
NGC 7559	Peg		Non-Existent	
Dec 13 2012 18"	7mm TV	VF,PS,OVAL,UB,NND,AV1,R=F		
NGC 7562	Psc	H467-2	Galaxy E2-3	CB,PS,IR,PSBM
Oct 09 2007 8"	11mmT6	PB,PS,OVAL,FNUC,R=F		
NGC 7563	Peg	H222-3	Galaxy SBa	PF,CS,R,SBM*16,SFOF2
Sep 04 2005 8"	7.5mmW	VF,OVAL,NND,AV,R=F		
NGC 7566	Psc	H185-3	Galaxy (R')SB(rs)a pec	VF,PS,E,ER,3F*INV
Sep 19 2014 18"	8mm Ds	VF,PS,OVAL,MEXT,UB,NND,R=F, WRO - 9/19/14		
NGC 7568	Peg		Galaxy S?	EF,PL,IR,SEV ST INV
Dec 13 2012 18"	7mm TV	PF,PS,OVAL,UB,NND,R=F		
NGC 7570	Peg	H238-3	Galaxy SBa	EF,ES
Sep 09 2010 12"	5.5mmN	VF,CS,OVAL,PEXT,NND,AV,R=F,PA=90		
NGC 7578A	Peg		Galaxy S0^ pec	VF,AM VS ST
Nov 03 2013 36"	17mmT4	PF,PS,OVAL,UB,NND,R=F,PAIRED W/NGC-7578B		
NGC 7578B	Peg		Galaxy E1:	
Nov 03 2013 36"	17mmT4	PF,PS,R,UB,NND,R=F,PAIRED W/NGC-7578A		
NGC 7585	Aqr	H236-2	Galaxy (R')SA(s)0+ pec	PB,PS,IR,GBM
Sep 05 2007 8"	11mmT6	PF,PS,OVAL,FNUC,R=F		
NGC 7588	Peg		Galaxy S	EF,ES
Nov 03 2013 36"	17mmT4	PF,PS,OVAL,UB,NND,R=F		
NGC 7594	Peg		Galaxy S?	PF,R,3ST P
Nov 03 2013 36"	17mmT4	PF,PS,OVAL,UB,NND,R=F		
NGC 7595	Peg		Galaxy	F,STELLAR
Oct 30 2005 31"	17mmT4	MF,MS,OVAL,NND,R=F		
NGC 7596	Aqr		Galaxy S0	VF,PS,LE0,LBMN
Oct 31 2010 12"	5.5mmN	PF,CS,OVAL,PEXT,FNUC,R=F,PA=30		
NGC 7597	Peg		Galaxy S?	EF,VS,GBM
Nov 03 2013 36"	17mmT4	PF,PS,R,UB,NND,R=F		

Observations Listing by Catalog Number

NGC 7598 Nov 03 2013 36"	Peg 17mmT4	PF,PS,OVAL,UB,NND,R=F	Galaxy E	EF,ES,STELLAR
NGC 7600 Nov 13 2007 8" Aug 21 2004 8"	Aqr 11mmT6 11mmT6	H431-2 PF,PS,R,NND,R=F CLEAR SKIES - H.H. LITE.	Galaxy S0- sp	CF,S,R,PSMBM
NGC 7601 Nov 03 2013 36"	Peg 17mmT4	CF,PS,OVAL,UB,NND,R=F	Galaxy SAB(s)c:	PB,DIF
NGC 7602 Nov 03 2013 36"	Peg 17mmT4	PF,PS,R,UB,NND,R=F	Galaxy S?	EF,ES,STELLAR
NGC 7606 Oct 06 2004 8"	Aqr 11mmT6	H104-1 MB,EL,EON,NND,R=G	Galaxy SA(s)b	PF,CL,PME0
NGC 7608 Nov 03 2013 36"	Peg 17mmT4	CF,PS,EON,UB,NND,R=F,PA=22	Galaxy S?	VF,PS,LE,LBM
NGC 7609 Nov 03 2013 36"	Peg 17mmT4	CF,PS,OVAL,UB,NND,R=F	Galaxy Pec	VF,VS,GBM
NGC 7610 Oct 18 2009 12"	Peg 11mmT6	PF,PS,OVAL,UB,NND,R=F	Galaxy Scd:	F,S,DIF
NGC 7611 Nov 03 2013 36" Oct 10 2004 8"	Psc 17mmT4 7.5mmW	CF,CS,OVAL,VEXT,BNUC,R=F MG,EL,NND,AV,R=F	Galaxy SB0+:	F,S,R,TRIW/2*19N
NGC 7612 Oct 18 2009 12"	Peg 11mmT6	PF,PS,OVAL,FNUC,R=F	Galaxy S0	PB,VS,R,BM
NGC 7615 Nov 03 2013 36"	Peg 17mmT4	PF,PS,OVAL,MEXT,UB,NND,R=F	Galaxy Sb?	EF,CS
NGC 7619 Sep 10 2015 36" Sep 10 2015 12" Oct 26 2014 12" Oct 24 2012 18" Aug 25 2011 12" Oct 30 2005 31" Aug 21 2004 8"	Peg 17mmT4 7mm TV 11mmT6 7mm TV 7mm TV 17mmT4 11mmT6	H439-2 F,S,UB,NND,R=G PF,PS,OVAL,UB,NND,R=F PF,PS,R,UB,NND,R=F F,PS,OVAL,FNUC,HSB,R=G PF,PS,R,FNUC,R=G VB,ML,R,FNUC,MSB,R=G CLEAR SKIES - H.H. LITE.	Galaxy E	CB,PS,R,PSBM
NGC 7620 Sep 09 2010 12" Oct 30 2005 31"	Peg 5.5mmN 17mmT4	PF,CS,R,FNUC,R=F MB,ML,R,FNUC,MSB,R=G	Galaxy Scd:	F,S,VLE

Observations Listing by Catalog Number

NGC 7621	Peg		Galaxy S	EF,VS,STELLAR
Oct 30 2005 31"	17mmT4	VF,VS,EL,NND,AV,R=F		
NGC 7623	Peg	H435-3	Galaxy SA0^:	F,VS,R,PSBM
Oct 26 2014 12"	11mmT6	PF,VS,OVAL,UB,NND,R=P		
Oct 30 2005 31"	17mmT4	VB,VL,OVAL,FNUC,MSB,R=G		
NGC 7624	Peg		Galaxy Scd:	VF,LEORIR,DIF,VLBM
Oct 30 2005 31"	17mmT4	MB,ML,OVAL,NND,MSB,R=G		
NGC 7625	Peg	H250-2	Galaxy SA(rs)a pec	PB,CS,R,SMBM
Sep 01 2005 8"	7.5mmW	VF,VS,R,NND,AV,R=F		
NGC 7626	Peg	H440-2	Galaxy E pec:	CB,PS,R,PSBM
Sep 10 2015 36"	17mmT4	SHOWS DIAGONAL BART IN 36". R=G		
Sep 10 2015 12"	7mm TV	PF,PS,OVAL,FNUC,R=F		
Oct 26 2014 12"	11mmT6	PF,PS,R,UB,NND,R=F		
Aug 25 2011 12"	7mm TV	PF,PS,R,FNUC,R=G		
Oct 30 2005 31"	17mmT4	VB,ML,R,FNUC,MSB,R=G		
Aug 21 2004 8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST		
NGC 7628	Peg		Galaxy E	VF,S,R,BM
Nov 02 2010 31"	17mmT4	F,PS,R,FNUC,HSB,R=G		
Oct 30 2005 31"	17mmT4	MB,ML,OVAL,FNUC,MSB,R=G		
NGC 7630	Peg		Galaxy S?	F,S
Oct 30 2005 31"	17mmT4	VF,VS,EL,NND,R=F		
NGC 7631	Peg		Galaxy SA(r)b:	VF,VS
Sep 05 2010 12"	5.5mmN	CF,PS,EON,UB,NND,R=F,PA=40		
Oct 30 2005 31"	17mmT4	MB,ML,EL,NND,R=F		
NGC 7634	Peg	H441-2	Galaxy SB0	F,S,F**ATT
Sep 05 2010 12"	5.5mmN	CF,CS,R,UB,NND,R=P,PA=90		
NGC 7635	Cas	H52-4	Nebula E	VF,*8INV L EXCENTRIC
Oct 05 2016 12"	11mmT6	VF,S,R=F. DETECTED SOME NEBULOSITY W/O OIII. LITTLE BETTER WITH OIII.		
Aug 21 2004 8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST		
NGC 7640	And	H600-2	Galaxy SB(s)c	CF,L,ME164,VLBM,R
Oct 10 2004 8"	11mmT6	DIFF,EON,NND,LSB,R=F		
NGC 7641	Peg		Galaxy	VF,S,IR,DIF,LBM
Nov 03 2013 36"	17mmT4	PF,PS,EON,UB,NND,R=F,PA=135		
NGC 7643	Peg		Galaxy S?	F,PS,IR,DIF,LBM
Nov 03 2013 36"	17mmT4	PF,PS,OVAL,MEXT,NND,R=G		

Observations Listing by Catalog Number

NGC 7644	Peg		Galaxy	VF,PS,LE
Oct 25 2006 31"	17mmT4	CF,CS,EON,NND,R=F		
NGC 7647	Peg	H473-3	Galaxy E	EF,(CL),P A ROWOF ST
Oct 25 2006 31"	17mmT4	CF,CS,OVAL,NND,R=F		
NGC 7648	Peg	H218-3	Galaxy S0	VF,PS,LE,BM
Sep 09 2010 12"	5.5mmN	PF,PS,OVAL,MEXT,FNUC,R=F,PA=135		
NGC 7649	Peg		Galaxy E	VF,PL,R
Oct 25 2006 31"	17mmT4	B,L,OVAL,NND,R=G		
NGC 7651	Peg		Galaxy cD	EF,S,R
Oct 25 2006 31"	17mmT4	PF,L,OVAL,NND,R=F		
NGC 7653	Peg		Galaxy Sb	VF,PS,R,GBM
Oct 25 2006 31"	17mmT4	PB,L,R,FNUC,MHISB,R=G		
Sep 04 2005 8"	7.5mmW	VF,VVS,R,NND,AV,R=F		
NGC 7654	Cas	M52	Open Cluster 11.0 II 2 r	CL,L,RI,MCM,R,*9..13
Jan 25 2018 12"	11mmT6	NICE OBJECT		
Dec 05 2015 12"	17mmT4			
Aug 21 2015 12"	17mmT4			
Oct 26 2014 12"	22mmAT	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"	32mmUW	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Aug 20 2006 1.9"	12x50	B,L,R=G		
Mar 19 2006 8"	25mmPL	PB,FL,R,R=G		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Dec 26 2003 8"	25mmPL	Q/M COLD		
NGC 7660	Peg		Galaxy E	F,VS,PSMBM,*10P
Aug 25 2009 16"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 7662	And	H18-4	Planetary Neb 4+3	PLN ORRING,VB,PS,R
Oct 05 2016 12"	11mmT6	B,S,OIII,R=G. BLUE STREAK NEBULA		
Aug 21 2015 12"	8mm Ds	PRETTY SMALL USED LP2 FILTER		
Aug 24 2012 18"	5mm TV	ROUND AND BRIGHT, OIII, BLUE SNOWBALL, R=E!		
Nov 21 2006 8"	11mmT6	VB,PS,OVAL, NO CENTRAL STAR,R=G		
Aug 23 2004 8"	9mm	SMALL,FAINT. LOOK @ AGAIN LATER!		
NGC 7664	Peg		Galaxy Sc:	VF,*S,2ST11,12P
Sep 04 2005 8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F		
NGC 7671	Peg	H226-3	Galaxy SA0:	PB,S,R,VSMBM,*9P
Aug 24 2012 18"	5mm TV	PF,VS,OVAL,MEXT,FNUC,R=F		

Observations Listing by Catalog Number

NGC 7673 Nov 21 2006 8"	Peg 11mmT6	VF,VS,OVAL,NND,AV,R=F	Galaxy (R')SAc? pec	F,S,R
NGC 7674 Sep 09 2010 12"	Peg 5.5mmN	CF,CS,R,UB,NND,R=F	Galaxy SA(r)bc pec	F,CS,GBM,P OF 2
NGC 7677 Sep 09 2010 12"	Peg 5.5mmN	PF,CS,OVAL,MEXT,FNUC,R=F,PA=95, 4 STAR AST TO S.W.	Galaxy SAB(r)bc:	EF,VS,STELL
NGC 7678 Aug 25 2009 16" Sep 04 2005 8"	Peg 11mmT6 7.5mmW	H226-2 CF,CS,OVAL,NND,R=F VF,VS,OVAL,NND,R=F	Galaxy SAB(rs)c	VF,PL,VLE,LBM,AM4ST
NGC 7679 Oct 09 2007 8"	Psc 11mmT6	VF,VS,R,NND,AV,R=F	Galaxy SB0 pec:	PB,S,R,MBMN,STELL
NGC 7680 Sep 04 2005 8"	Peg 7.5mmW	H860-3 VF,VS,R,FNUC,AV,R=F	Galaxy S0-:	VF,S,R,LBM,R
NGC 7685 Sep 19 2014 18"	Psc 8mm Ds	H426-3 VF,PS,OVAL,MEXT,UB,NND,R=F, WRO - 9/19/14	Galaxy SAB(s)c:	EF,CL,R,GBM,**NR
NGC 7686 Oct 06 2004 8"	And 11mmT6	H69-8 EB,OVAL,HISB,R=G	Open Cluster 7.0 III 2 p	CL,P,LC,*7...11
NGC 7691 Aug 24 2012 18"	Peg 5mm TV	H213-3 PF,PS,OVAL,UB,NND,R=F	Galaxy SAB(rs)bc	EF,PL,TRI W/2*10
NGC 7694 Sep 19 2014 18"	Psc 8mm Ds	H187-3 PF,PS,OVAL,VEXT,FNUC,R=G, WRO - 9/19/14	Galaxy Im pec:	EF,PL,STELLAR
NGC 7701 Sep 19 2014 18"	Psc 8mm Ds	H188-3 PF,VS,OVAL,UB,NND,R=F, WRO - 9/19/14	Galaxy	VF,S,R,MBM,*11SP
NGC 7708 Oct 24 2012 8"	Cep 11mmT6	H62-8 LARGE AND LOOSE,R=F	Open Cluster 7.3 asteris	CL,L,P,LC,*8,10...15
NGC 7711 Sep 09 2010 12"	Peg 5.5mmN	H244-2 PF,PS,OVAL,PEXT,FNUC,R=F,PA=170	Galaxy S0	F,S,R,PSBM,STELLAR
NGC 7712 Sep 09 2010 12"	Peg 5.5mmN	CF,VS,OVAL,UB,NND,R=F,PA=10	Galaxy E?	VF
NGC 7716 Oct 09 2007 8"	Psc 11mmT6	CF,PS,R,ND,AV,R=F	Galaxy SAB(r)b:	F,PL,LE,GBM,*10S
NGC 7720 Sep 12 2004 8"	Peg 11mmT6	H146-3 F,EL,OVAL,NND,AV,F 13.9 (P) MAG.	Galaxy E+ pec:	F,S,LE,BM,AM ST

Observations Listing by Catalog Number

NGC 7721 Nov 09 2004 8"	Aqr 11mmT6	H432-2 VF,EL,EON,NND,AV,R=F	Galaxy SA(s)c	PF,CL,E12,VGBM
NGC 7722 Sep 09 2010 12"	Peg 5.5mmN	H110-1 PF,PS,OVAL,MEXT,FNUC,R=G,PA=40	Galaxy S0/a	PB,PL,R,MBM
NGC 7723 Oct 06 2004 8"	Aqr 11mmT6	H110-1 MB,OVAL,NND,R=G	Galaxy SB(r)b	CB,CL,E,GMBM,R
NGC 7726 Nov 03 2013 36"	Peg 17mmT4	H111-1 DIFF,,PF,CS,OVAL,MEXT,NND,R=F	Galaxy SB(s)b	EEF,PS,R,VDIFFIC
NGC 7727 Oct 06 2004 8"	Aqr 11mmT6	H111-1 MB,OVAL,FNUC,R=G	Galaxy SAB(s)a pec	PB,PL,IR,MBM
NGC 7728 Nov 03 2013 36"	Peg 17mmT4	H111-1 CFR,CS,OVAL,MEXT,FNUC,R=G	Galaxy E	VF,VS,LE,*10SP
NGC 7729 Nov 03 2013 36"	Peg 17mmT4	H111-1 CF,PS,EON,UB,NND,R=F,PA=7	Galaxy Sa	VF,S,IE,F*INV S
NGC 7735 Nov 03 2013 36"	Peg 17mmT4	H111-1 CF,CS,OVAL,MEXT,UB,NND,R=F	Galaxy E	VF,S,VLE,*13NF VNR
NGC 7737 Nov 03 2013 36"	Peg 17mmT4	H111-1 CF,PS,OVAL,MEXT,FNUC,R=G	Galaxy S0/a	VF,S,MBMN
NGC 7741 Sep 12 2004 8" Aug 21 2004 8"	Peg 11mmT6 11mmT6	H208-2 B,S,EL,OVAL,FNUC,HISB,G CLEAR SKIES - H.H. LITE. 1ST REAL TEST	Galaxy SB(s)cd	CF,CL,IR,D*10,12NP2'
NGC 7742 Sep 19 2004 8"	Peg 7.5mmW	H255-2 B,EL,OVAL,NND,R=G	Galaxy SA(r)b	CB,CS,GMBM,*12F72"
NGC 7743 Sep 19 2004 8"	Peg 7.5mmW	H256-2 F,EL,OVAL,NND,R=G	Galaxy (R)SB(s)0+	PF,S,R,*14SF
NGC 7747 Nov 03 2013 36"	Peg 17mmT4	H256-2 PF,PS,OVAL,FNUC,R=F	Galaxy (R')SB(s)b	VF,VS,IR
NGC 7750 Sep 19 2014 18"	Psc 8mm Ds	H427-3 PF,PS,OVAL,PEXT,UB,NND,R=F	Galaxy (R')SB(rs)c pec	CF,PL,VLE0,LBM,*11SF
NGC 7751 Sep 19 2014 18"	Psc 8mm Ds	H437-3 VF,VS,R,UB,NND,R=F, WRO - 9/19/14	Galaxy S?	F,S,R,GBM,ER
NGC 7752 Nov 03 2013 36"	Peg 17mmT4	H437-3 CF,CS,OVAL,MEXT,FNUC,R=F	Galaxy I0:	F,S,LE,P 7753

Observations Listing by Catalog Number

NGC 7753 Sep 05 2010 12"	Peg 7mm TV	H213-2 CF,PS,OVAL,UB,NND,R=F,PA=100	Galaxy SAB(rs)bc	CF,CL,VLE,VGLBM,R
NGC 7762 Nov 13 2007 8"	Cep 11mmT6	H55-7 PF,PS,FAINT,R=F	Open Cluster 11.0 II 2 m	CL,PRI,PC,*11...15
NGC 7768 Sep 12 2004 8"	Peg 11mmT6	Galaxy E F,EL,OVAL,NND,AV,F 14.0 (P) MAG.		VF,S,E,*INV,*P VNR
NGC 7769 Sep 10 2015 12" Oct 26 2014 12" Sep 19 2014 18" Sep 04 2005 8"	Peg 7mm TV 11mmT6 8mm Ds 11mmT6	H230-2 PF,PS,R,UB,NND,R=F PF,S,OVAL,UB,NND,R=G PF,PS,R,FNUC,R=G, WRO - 9/19/14 MF,ML,R,NND,R=G	Galaxy (R)SA(rs)b	PF,PS,R,MBM
NGC 7770 Oct 26 2014 12" Sep 19 2014 18"	Peg 11mmT6 8mm Ds	Galaxy S0/a? VF,VS,OVAL,UB,NND,AVII,R=P PF,VS,OVAL,PEXT,UB,NND,R=F,, WRO - 9/19/14		VF,VS,IR,S OF 2
NGC 7771 Sep 10 2015 12" Oct 26 2014 12" Sep 19 2014 18" Sep 04 2005 8"	Peg 7mm TV 11mmT6 8mm Ds 11mmT6	H231-2 VF,PS,OVAL,MEXT,NND,R=F PF,PS,OVAL,MEXT,UB,NND,R=F PF,PS,OVAL,MEXT,UB,NND,R=F, WRO - 9/19/14 MF,ML,OVAL,NND,R=F	Galaxy SB(s)a	PB,PL,E84,BM,N OF 2
NGC 7775 Sep 09 2010 12"	Peg 5.5mmN	Galaxy Scd: VF,CS,R,UB,NND,R=F		VF,PS,LE,GLBM
NGC 7778 Oct 26 2014 12" Sep 19 2014 18"	Psc 11mmT6 8mm Ds	H231-3 VF,VS,R,UB,NND,R=F PF,PS,R,UB,NND,R=F,PAIRED W/NGC-7779, WRO - 9/19/14	Galaxy E	CF,S,R,PSBM,1ST OF4
NGC 7779 Oct 26 2014 12" Sep 19 2014 18"	Psc 11mmT6 8mm Ds	H232-3 VF,VS,OVAL,UB,NND,R=P PF,PS,R,UB,NND,R=F, PAIRED W/NGC-7778, WRO - 9/19/14	Galaxy (R')SA0/a:	PF,S,R,PSBM,2ND OF 4
NGC 7782 Oct 26 2014 12" Sep 19 2014 18"	Psc 11mmT6 8mm Ds	H233-3 PF,PS,OVAL,MEXT,NND,R=F PF,PS,OVAL,MEXT,UB,NND,R=F, WRO - 9/19/14	Galaxy SA(s)b	PF,PL,LE,GLBM,4THOF4
NGC 7785 Oct 09 2007 8"	Psc 11mmT6	H468-2 CF,PS,OVAL,UB,NND,R=F	Galaxy E5-6	PB,PS,IR,PSBM,R,*8P
NGC 7786 Sep 09 2010 12"	Peg 5.5mmN	Galaxy S? CF,VS,OVAL,UB,NND,R=F,PA=55		PF,PS,LE,VFSTINV,F-2
NGC 7788 Sep 15 2004 8"	Cas 11mmT6	Open Cluster I 2 p LIGHT CLOUDS IN & OUT		CL,S,PRI,VC,*10,13..

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NGC 7789	Cas	H30-6	Open Cluster 10.0 II 2 r	CL,VL,VRI,VMC,*11.18
Dec 05 2015 12"	17mmT4	CAROLINE'S ROSE.	VERY NICE	
Nov 26 2006 1.9"	12x50	F,S,R=F		
Nov 09 2006 8"	19mmW	15+,PF,R=F		
Jul 24 2006 8"	11mmT6	PB,PL,R=G		
Aug 21 2004 8"	11mmT6	CLEAR SKIES - H.H. LITE.	1ST REAL TEST	
Dec 31 2003 8"	25mmPL	H/M COLD		
NGC 7790	Cas	H56-7	Open Cluster 10.0 II 2 m	CL,PRI,PC
Sep 15 2004 8"	11mmT6	LIGHT CLOUDS IN & OUT		
NGC 7794	Peg	H466-3	Galaxy S?	VF,PS,IR
Sep 09 2010 12"	5.5mmN	CF,CS,R,UB,NND,R=F		
NGC 7797	Psc	H867-3	Galaxy Sbc	EF,PS,IR,LBM
Sep 19 2014 18"	8mm Ds	VF,PS,R,UB,NND,AV,R=F		
NGC 7798	Peg	H232-2	Galaxy S	PF,S,R,SBM,*10SP
Nov 21 2006 8"	11mmT6	VF,PS,OVAL,AV,R=F		
NGC 7800	Peg	H10-2	Galaxy Im?	F,PS,E39
Sep 09 2010 12"	5.5mmN	CF,PS,OVAL,MEXT,UB,NND,R=F,PA=95		
NGC 7803	Peg		Galaxy S0/a	PF,PS,R,F*NP VNR
Oct 18 2009 12"	11mmT6	PF,PS,R,UB,NND,R=F		
Nov 02 2005 31"	19mmW	PB,PL,OVAL,FNUC,MSB,R=G		
NGC 7805	Peg	H855-3	Galaxy SAB0^: pec	EF,S,R,SBM,SP OF 2
Nov 02 2005 31"	19mmW	PB,PL,OVAL,FNUC,MSB,R=G		
NGC 7806	Peg	H856-3	Galaxy SA(rs)bc? pec	EF,S,R,NF OF 2,STELL
Nov 02 2005 31"	19mmW	PB,PL,EL,OVAL,FNUC,MSB,R=G		
NGC 7808	Cet		Galaxy (R')SA0^:	EF,VS,R,STELL N,*8SP
Nov 10 2012 18"	7mm TV	VF,VS,R,UB,NND,R=F		
NGC 7810	Peg	H984-3	Galaxy S0	PF,STELL,2*NP INLINE
Nov 02 2005 31"	19mmW	PBML,OVAL,FNUC,MSB,R=G		
NGC 7814	Peg	H240-2	Galaxy SA(s)ab: sp	CB,CL,E,VGBM
Sep 24 2016 12"	8mm Et	B,S,EON,FNUC,R=G		
Aug 21 2015 12"	8mm Ds			
Aug 25 2009 16"	11mmT6	PF,PS,EON,FNUC,R=F		
Oct 30 2008 16"	17mmT4	PF,PS,OVAL,UB,NND,R=F		
Nov 10 2007 31"	17mmT4	PB,PL,EL,OVAL,UB,NND,R=G		
Jul 23 2006 8"	11mmT6	CF,CS,OVAL,NND,AV,R=F		
Aug 21 2004 8"	11mmT6	CLEAR SKIES - H.H. LITE.	1ST REAL TEST	

Observations Listing by Catalog Number

NGC 7817	Peg	H227-2	Galaxy SAbc: sp	PF,CL,ME45,LBM
Sep 24 2016 12"	8mm Et	VF,PS,OVAL,MEXT,NND,R=F		
Sep 19 2014 18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F, WRO - 9/13/14		
Aug 25 2009 16"	11mmT6	DIFF,CF,PS,EON,NND,R=F		
Sep 15 2004 8"	7.5mmW	EF,OVAL,PATCH,NND,AV,R=F		
NGC 7819	Peg		Galaxy SB(s)b	EF,L
Aug 25 2009 16"	11mmT6	VF,VS,R,NND,AV,R=F		
Nov 02 2005 31"	19mmW	PF,ML,OVAL,NND,R=F		
NGC 7831	And		Galaxy Sb: sp	EF,VS,ME,VF*VNR
Aug 24 2012 18"	5mm TV	PF,PS,OVAL,VEXT,UB,NND,R=F		
Sep 09 2010 12"	5.5mmN	CF,PS,EON,UB,NND,R=F,PA=90		
NGC 7832	Psc	H190-3	Galaxy E+	VF,VS,R,VGPSMBM,2*SF
Nov 10 2007 31"	17mmT4	PB,L,OVA,,NND,R=F		
NGC 7836	And		Galaxy I?	EF,VS,R,BET2*
Aug 24 2012 18"	5mm TV	PF,PS,OVAL,UB,NND,R=F		
PAL 1	Cep		Globular	
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	
Apr 06 2010 12"	11mmT6	VF,VS,AV,R=F,FAINT SMUDGE, 12TH MAG START TO WEST.		
PAL 5	Ser		Globular	
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	
Jul 13 2007 8"	7.5mmW	VF,VS,R,PATCHY,AV,R=F		
PAL 8	Sgr		Globular	
Jul 09 2005 8"	11mmT6	VF,ML,R,R=F		
PAL 10	Sge		Globular	
May 21 2009 16"	11mmT6	VF,PS,AV,R=F UNRESOLVED.		
PAL 11	Aql		Globular	
Jul 31 2005 8"	11mmT6	DIFF, VF,ML,R,LOWSB,R=F		
PAL 13	Peg		Globular	
Nov 02 2005 31"	19mmW	PF,PS,PATCHY,R=F, CAN'T RESOLVE STARS		
PAL 14	Her		Globular	
May 21 2009 16"	11mmT6	CF,PS,R=F, UNRESOLVED,STAR IN FRONT.		

Observations Listing by Catalog Number

PAL 15	LMI	Globular
May 21 2009 16"	11mmT6 VF,PS,AV,R=F UNRESOLVED.	
PEASE 1	Peg	Planetary Neb 1
Sep 27 2005 31"	17mmT4 VB,VS,R=F	
PGC 25	Peg	Galaxy Double System
Sep 19 2014 18"	8mm Ds VF,VS,OVAL,MEXT,NND,R=F, WRO - 9/13/14	
PGC 108	Peg	Galaxy S?
Nov 02 2005 31"	19mmW MF,PL,OVAL,NND,R=F	
PGC 120	Peg	Galaxy (R)S(r)cd: pec
Sep 19 2014 18"	8mm Ds PF,VS,OVAL,UB,NND,R=F, WRO - 9/19/14	
PGC 134	Peg	Galaxy
Nov 02 2005 31"	19mmW PF,PS,R,NND,R=F	
PGC 356	Psc	Galaxy Sb
Nov 10 2007 31"	17mmT4 VF,PS,OVAL.MNND,AV,R=F	
PGC 619	Peg	Galaxy Scd:
Nov 02 2005 31"	19mmW MF,ML,OVAL,NND,R=F	
PGC 731	And	Galaxy Scd:
Oct 12 2012 18"	7mm TV VF,VS,EON,UB,NND,AV2,R=P	
PGC 782	Psc	Galaxy SBa
Feb 20 2006 31"	17mmT4 DIFF,B,ML,OVAL,FNUC,R=F	
PGC 797	Psc	Galaxy S
Dec 12 2012 36"	17mmT4 VF,VS,OVAL,UB,NND,R=F, COMPANION OF NGC-36	
PGC 847	Peg	Galaxy Sa
Nov 02 2005 31"	19mmW PF,PS,EL,OVAL,R=F	
PGC 873	Psc	Galaxy SBb
Dec 12 2012 36"	17mmT4 VF,VS,OVAL,UB,NND,R=F	
PGC 878	Peg	Galaxy S?
Nov 02 2005 31"	19mmW B,ML,OVAL,FNUC,R=F	
PGC 911	Peg	Galaxy S
Nov 02 2005 31"	19mmW VF,VS,R,NND,AV,R=F	
PGC 971	Cet	Galaxy S0
Dec 12 2012 36"	17mmT4 PF,VSW,OVAL,UB,NND,R=-F	

Observations Listing by Catalog Number

PGC 972	Cet	Galaxy
Dec 12 2012 36"	17mmT4 VF,VS,OVAL,UB,NND,R=F	
PGC 1183	And	Galaxy
Oct 12 2012 18"	7mm TV VF,VS,OVAL,UB,NND,AV2,R=P	
PGC 1942	ScI	Galaxy Sc sp
Dec 12 2012 36"	17mmT4 PF,VS,EON,UB,NND,R=F,PA=70	
PGC 2458	And	Galaxy Scd:
Dec 12 2012 36"	17mmT4 VF,VS,EON,UB,NND,R=F,PA=45	
PGC 2526	Cet	Galaxy SB(s)cd? sp
Dec 12 2012 36"	17mmT4 PF,PS,EON,UB,NND,R=F,PA=90,STAR AT WEST TIP	
PGC 2800	Cet	Galaxy (R')SBb:
Dec 12 2012 36"	17mmT4 VF,VS,EON,UB,NND,R=F,60 DEGREES FROM NORTH	
PGC 2805	Cet	Galaxy SBd pec sp
Dec 12 2012 36"	17mmT4 PF,PS,EON,UB,NND,R=F,PA=75,STAR NW OF GX	
PGC 3133	Psc	Galaxy S?
Dec 12 2012 36"	17mmT4 PF,VS,EON,UB,NND,R=F,PA=170	
PGC 3777	Psc	Galaxy S
Oct 30 2005 31"	17mmT4 VF,VS,OVAL,NND,R=F	
PGC 4063	Cet	Galaxy SB(s)d? sp
Dec 12 2012 36"	17mmT4 PF,PS,EON,UB,NND,R=F,PA=90	
PGC 4878	And	Galaxy Sc
Oct 30 2005 31"	17mmT4 VF,VS,R,NND,AV,R=F	
PGC 5213	Psc	Galaxy SBb
Dec 12 2012 36"	17mmT4 VF,VS,OVAL,UB,ND,R=F	
PGC 5873	Tri	Galaxy S
Nov 24 2006 31"	20mmUW PF,PS,OVAL,NND,R=F	
PGC 5883	Tri	Galaxy
Nov 24 2006 31"	20mmUW PF,S,OVAL,NND,R=F	
PGC 5904	Tri	Galaxy SABdm:
Nov 24 2006 31"	20mmUW PF,L,R,NND,R=F	
PGC 6189	Tri	Galaxy Scd:
Dec 12 2012 36"	17mmT4 PF,PS,EON,,AV,R=P,PA=50	

Observations Listing by Catalog Number

PGC 6425	Psc	Galaxy S IV-V
Nov 10 2007 31"	17mmT4 VF,VS,OVAL,NND,AV,R=F	
PGC 6699	Tri	Galaxy Sdm
Dec 12 2012 36"	17mmT4 B,S,EON,UB,NND,R=F,ABUTS PGC-6700,PA=45	
PGC 6700	Tri	Galaxy C
Dec 12 2012 36"	17mmT4 PF,VS,OVAL,UB,NND,R=F	
PGC 6966	Cet	Galaxy SA(s)c? sp
Dec 12 2012 36"	17mmT4 PF,PS,EON,FUC,R=G,PA=170.OFFSET BULGE TOWARDS NORTH	
PGC 7244	Cet	Galaxy Sbc: sp
Dec 12 2012 36"	17mmT4 VG,VS,EON,NND,R=P,PA=140	
PGC 7888	Tri	Galaxy
Nov 02 2005 31"	19mmW B,ML,R,NND,R=F	
PGC 7931	Tri	Galaxy S?
Nov 02 2005 31"	19mmW VF,VS,OVAL,NND,AV,R=F	
PGC 7967	Tri	Galaxy SBbc
Nov 02 2005 31"	19mmW MB,ML,OVAL,FNUC,MSB,R=G	
PGC 8013	Tri	Galaxy S0-:
Nov 02 2005 31"	19mmW PB,FL,OVAL,FNUC,MSB,R=G	
PGC 8019	Tri	Galaxy S?
Nov 02 2005 31"	19mmW FB,FL,EON,FNUC,MSB,R=G	
PGC 8040	Tri	Galaxy SAB0^
Nov 02 2005 31"	19mmW FB,ML,OVAL,FNUC,MSB,R=G	
PGC 8608	Tri	Galaxy C
Dec 19 2006 31"	17mmT4 PF,PS,OVAL,NND,R=F	
PGC 8613	Tri	Galaxy C
Dec 19 2006 31"	17mmT4 CF,CS,OVAL,NND,R=F	
PGC 8763	Tri	Galaxy
Dec 19 2006 31"	17mmT4 VF,VS,OVAL,NND,AV,R=F	
PGC 8842	Tri	Galaxy
Dec 19 2006 31"	17mmT4 PF,PS,OVAL,NND,AV,R=F	
PGC 8857	Tri	Galaxy C
Dec 19 2006 31"	17mmT4 PF,VS,R,FNUC,R=F	

Observations Listing by Catalog Number

PGC 8913	Cet	Galaxy SB(s)m: sp
Dec 12 2012 36"	17mmT4 VF,VS,EON,NND,R=P,PA=60	
PGC 8964	Ari	Galaxy Sd
Dec 12 2012 36"	17mmT4 VF,VS,EON,NND,AV,R=P,PA=155	
PGC 9134	Tri	Galaxy Sd
Dec 12 2012 36"	17mmT4 VF,VS,EON,NND,AV,R=F,PA=50	
PGC 9180	And	Galaxy SBa
Oct 30 2005 31"	17mmT4 MF,MS,EL,NND,R=F	
PGC 9203	And	Galaxy C
Oct 30 2005 31"	17mmT4 MB,MS,EL,OVAL,NND,R=F	
PGC 9375	Tri	Galaxy Scd:
Dec 12 2012 36"	17mmT4 VF,PS,EON,UB,NND,AV3,R=F,PA=180	
PGC 9638	Ari	Galaxy Scd:
Dec 12 2012 36"	17mmT4 VS,PS,EON,NND,AV,R=F,PA=90	
PGC 9764	Ari	Galaxy S
Oct 30 2005 31"	17mmT4 VF,MS,EL,NND,R=F	
PGC 9789	Tri	Galaxy
Dec 19 2006 31"	17mmT4 PF,S,E,OVAL,NND,R=F	
PGC 9820	Tri	Galaxy S
Dec 19 2006 31"	17mmT4 VF,VS,OVAL,NND,AV,R=F	
PGC 9888	Ari	Galaxy Scd:
Dec 12 2012 36"	17mmT4 PF,PS,EON,NND,R=F,PA=120	
PGC 9904	Cet	Galaxy Scd:
Dec 12 2012 36"	17mmT4 VF,PS,EON,NND,AV2,R=P,PA=25	
PGC 9983	And	Galaxy Sab
Oct 10 2012 18"	8.8 ES F,S,EON,UB,NND,R=F,14.7 MAG, DIRECT VISION	
PGC 10044	Ari	Galaxy IB(s)m pec
Oct 25 2006 31"	17mmT4 PF,PS,OVAL,NND,R=F	
PGC 10046	Ari	Galaxy SB0/a: sp
Oct 25 2006 31"	17mmT4 PB,S,EON,FNUC,R=G	
PGC 10047	Per	Galaxy Sc
Oct 10 2012 18"	8.8 ES VF,PS,OVAL,UB,AV2,R=P	

Observations Listing by Catalog Number

PGC 11210	Per	Galaxy SA(s)cd
Nov 10 2012 18"	7mm TV VF,PS,OVAL,UB,NND,R=F	
PGC 11252	Cet	Galaxy Sd
Dec 12 2012 36"	17mmT4 PF,PS,EON,UB,NND,R=F	
PGC 11281	Per	Galaxy
Aug 24 2012 18"	5mm TV VF,PS,EON,NND,AV2,R=F, AKA/UGC-11281	
PGC 11369	Per	Galaxy IAm
Nov 10 2012 18"	7mm TV VF,VS,EON,UB,NND,R=F,PA=80	
PGC 11434	Per	Galaxy Compact group
Nov 10 2012 18"	7mm TV PF,VS,R,UB,NND,R=F	
PGC 11437	Per	Galaxy SB(r)0/a
Nov 10 2012 18"	7mm TV PF,VS,OVAL,UB,FNUC,R=F	
PGC 11444	Per	Galaxy Double System
Nov 10 2012 18"	7mm TV VF,VS,EON,UB,NND,R=P,PA=125	
PGC 11447	Per	Galaxy S?
Nov 10 2012 18"	7mm TV PF,VS,EON,UB,NND,R=F,PA=90	
PGC 11625	Per	Galaxy Sb
Nov 10 2012 18"	7mm TV PF,PS,EON,UBL,NND,R=F,PA=15	
PGC 11863	Per	Galaxy S0?
Dec 13 2012 18"	8.8 ES VF,VS,OVAL,UB,NND,R=F	
PGC 11982	Per	Galaxy S?
Dec 13 2012 18"	7mm TV VF,PS,OVAL,NND,AV,R=P	
PGC 12004	Per	Galaxy
Dec 13 2012 18"	7mm TV VF,VS,OVAL,PEXT,UB,NND,R=F	
PGC 12038	Per	Galaxy S0:
Dec 13 2012 18"	7mm TV VF,VS,OVAL,PEXT,FNUC,R=F	
PGC 12039	Per	Galaxy
Dec 13 2012 18"	7mm TV PF,CS,OVAL,MEXT,FNUC,R=F	
PGC 12073	Per	Galaxy Dwarf
Dec 13 2012 18"	7mm TV VF,PS,OVAL,MEXT,NND,AV4,R=P	
PGC 12081	Per	Galaxy (R')SB(s)b
Dec 13 2012 18"	8.8 ES PF,VS,OVAL,UB,NND,R=F	

Observations Listing by Catalog Number

PGC 12089	Per	Galaxy Scd:
Dec 13 2012 18"	8.8 ES VF,VS,R,UB,NND,R=F	
PGC 12092	Per	Galaxy S0/a
Dec 13 2012 18"	8.8 ES PF,PS,OVAL,MEXT,UB,ND,R=F	
PGC 12097	Per	Galaxy
Dec 13 2012 18"	7mm TV VF,VS,R,UB,NND,AV2,R=P	
PGC 12132	Per	Galaxy SAB(s)d
Dec 13 2012 18"	7mm TV DIFF,VF,PS,OVAL,PEXT,UB,NND,R=F	
PGC 12133	Per	Galaxy Sab
Dec 13 2012 18"	7mm TV PF,VS,OVAL,PEXT,UB,NND,R=F	
PGC 12185	Per	Galaxy Sa?
Dec 13 2012 18"	7mm TV PF,PS,EON,UB,NND,R=F	
PGC 12254	Per	Galaxy
Dec 13 2012 18"	7mm TV VF,PS,R,UB,NND,R=F	
Oct 31 2010 12"	11mmT6 CF,CS,OVAL,UB,NND,R=F,AV2	
PGC 12397	Per	Galaxy Sc?
Nov 10 2012 18"	7mm TV VF,VS,EON,UB,NND,R=F,PA=15	
PGC 12430	Per	Galaxy
Nov 10 2012 18"	7mm TV VF,VS,R,UB,NND,AV1,R=F	
PGC 13884	Per	Galaxy Sbc
Dec 18 2006 31"	20mmUW PF,PS,EON,NND,R=F	
PGC 14034	Per	Galaxy S?
Dec 18 2006 31"	20mmUW PF,L,OVA,NND,R=F	
PGC 14152	Per	Galaxy S0
Dec 18 2006 31"	20mmUW PF,PS,OVAL,NND,R=F	
PGC 14253	Tau	Galaxy S IV
Dec 18 2006 31"	20mmUW VF,PS,R,NND,AV,R=F	
PGC 14276	Per	Galaxy Scd:
Dec 18 2006 31"	20mmUW VF,PS,EON,NND,R=F	
PGC 14314	Tau	Galaxy (R)SB(s)a
Dec 18 2006 31"	20mmUW F,PS,OVAL,NND,R=F	
PGC 14315	Tau	Galaxy (R')SAB(s)a
Dec 18 2006 31"	20mmUW VF,PS,R,NND,AV,R=F	

Observations Listing by Catalog Number

PGC 15548	Cam	Galaxy S0-:
Oct 12 2012 18"	7mm TV VF,VS,OVAL,MEXT,UB,NND,R=F	
PGC 15620	Eri	Galaxy (R')SB(rs)0+:
Feb 20 2006 31"	17mmT4 MB,ML,R,FNUC,MSB,R=G	
PGC 15624	Eri	Galaxy S?
Feb 20 2006 31"	17mmT4 MF,MS,OVAL,NND,R=F	
PGC 15631	Eri	Galaxy (R')SAB(rs)0+:
Feb 20 2006 31"	17mmT4 MB,ML,OVAL,FNUC,R=G	
PGC 15636	Eri	Galaxy S
Feb 20 2006 31"	17mmT4 MF,MS,OVAL,FNUC,R=F	
PGC 16012	Ori	Galaxy Sd
Feb 03 2005 31"	11mmT6 VF,MS,OVAL,NND,AV,R=F	
PGC 16017	Ori	Galaxy Sa
Feb 03 2005 31"	11mmT6 MB,MS,EL,EON,FNUC,R=G	
PGC 19566	Cam	Galaxy S
Oct 12 2012 18"	7mm TV VF,PS,R,UB,NND,AV3,R=P	
PGC 20274	Mon	Galaxy IAB(s)m
Dec 04 2004 8"	11mmT6 VF,OVAL,NND,AV,R=G	
PGC 20308	Lyn	Galaxy L
Feb 01 2005 31"	17mmT4 MF,MS,OVAL,FNUC,R=G	
PGC 20327	Lyn	Galaxy C
Feb 01 2005 31"	17mmT4 VF,OVAL,NND,AV,R=F	
PGC 20364	Lyn	Galaxy S0-:
Feb 01 2005 31"	17mmT4 MB,ML,EL,FNUC,MSB,R=G	
PGC 20383	Cam	Galaxy S?
Dec 20 2006 31"	17mmT4 PF,PS,OVAL,NND,AV,R=F	
PGC 20434	Cam	Galaxy I?
Dec 20 2006 31"	17mmT4 VF,VS,OVAL,NND,AV,R=F	
PGC 20460	Cam	Galaxy Ring
Dec 20 2006 31"	17mmT4 CB,PS,E,OVAL,FNUC,R=F	
PGC 20695	Gem	Galaxy Sa:
Feb 20 2006 31"	17mmT4 MF,ML,R,NND,R=F	

Observations Listing by Catalog Number

PGC 20881	Gem	Galaxy SB?
Feb 20 2006 31"	17mmT4 MB,MS,R,FNUC,MSB,R=G	
PGC 20977	Gem	Galaxy
Feb 23 2006 31"	19mmW PF,PS,EON,NND,R=F	
PGC 20988	Gem	Galaxy Double System
Feb 23 2006 31"	19mmW VF,PS,R,NND,R=F	
PGC 21032	Gem	Galaxy Sb
Feb 23 2006 31"	19mmW VF,VS,OVAL,NND,R=F	
PGC 21064	Gem	Galaxy
Feb 23 2006 31"	19mmW PF,FS,OVA,NND,R=F	
PGC 21475	Lyn	Galaxy Scd:
Feb 20 2006 31"	17mmT4 VF,MS,OVAL,PATCHY,NND,R=F	
PGC 21635	Lyn	Galaxy S
Feb 01 2005 31"	17mmT4 MF,ML,OVAL,PATCH,NND,R=F	
PGC 21650	Lyn	Galaxy
Feb 01 2005 31"	17mmT4 VS,R,NND,R=F	
PGC 21685	Cam	Galaxy S
Dec 20 2006 31"	17mmT4 VF,VS,OVAL,NND,AV,R=F	
PGC 21693	Cam	Galaxy SB?
Dec 20 2006 31"	17mmT4 VF,VS,OVAL,NND,AV,R=F	
PGC 21896	Cam	Galaxy S0-:
Dec 20 2006 31"	17mmT4 PB:,PS,E,OVAL,FNUC,MHISB,R=G	
PGC 21971	Cam	Galaxy SAB(s)c?
Dec 20 2006 31"	17mmT4 PB,PL,R,BNUC,HISB,R=G	
PGC 22010	Cam	Galaxy
Dec 20 2006 31"	17mmT4 VF,CS,OVAL,NND,AV,R=F	
PGC 22044	Cam	Galaxy Sc
Dec 20 2006 31"	17mmT4 VF,VS,OVAL,NND,AV,R=F	
PGC 22050	Cam	Galaxy E?
Dec 20 2006 31"	17mmT4 PB,PL,E,OVAL,FNUC,R=G	
PGC 22067	Cam	Galaxy S?
Dec 20 2006 31"	17mmT4 PF,PS,OVAL,NND,R=F	

Observations Listing by Catalog Number

PGC 22127	Cam	Galaxy Sa
Dec 20 2006 31"	17mmT4 PB,PL,EON,BNUC,HISB,R=G	
PGC 22161	Lyn	Galaxy D
Feb 01 2005 31"	17mmT4 VF,VS,OVAL,PATCH,NND,AV,R=F	
PGC 22172	Lyn	Galaxy S
Feb 01 2005 31"	17mmT4 VF,VS,EL,EON,NND,R=F	
PGC 22175	Lyn	Galaxy S pec
Feb 01 2005 31"	17mmT4 MB,ML,EL,OVAL,UB,R=G	
PGC 22373	Lyn	Galaxy E
Feb 20 2006 31"	17mmT4 MB,ML,OVAL,FNUC,MSB,R=F	
PGC 22376	Lyn	Galaxy S0
Feb 20 2006 31"	17mmT4 MB,MS,OVAL,NND,R=F	
PGC 22506	Cnc	Galaxy Sb
Feb 17 2012 18"	7mm TV VF,VS,EON,AV,R=F. AKA - UGC-4171, A.L. FLAT GALAXY	
PGC 22533	Lyn	Galaxy S0/a
Nov 10 2012 18"	7mm TV PF,VS,EON,UB,NND,R=F,PA=50	
PGC 22890	Lyn	Galaxy Sab
Nov 10 2012 18"	7mm TV VF,VS,EON,UB,NND,R=F,PA=40	
PGC 22891	Lyn	Galaxy E/S0
Nov 10 2012 18"	7mm TV VF,VS,R,UB,NND,R=F	
PGC 22906	Lyn	Galaxy E
Nov 10 2012 18"	7mm TV VF,VS,OVAL,UB,AV1,R=F	
PGC 22914	Lyn	Galaxy S?
Nov 10 2012 18"	7mm TV VF,VS,R,UB,NND,AV,R=F	
PGC 24978	Cam	Galaxy Dwarf Irr
Mar 08 2013 18"	7mm TV VF,VS,OVAL,UB,NND,AV,R=F	
PGC 27681	Leo	Galaxy Sb
Mar 30 2014 18"	7mm TV VF,PS,EON,NND,AV,R=F,PA=130	
PGC 28700	Leo	Galaxy Scd:
May 25 2014 18"	8mm Ds VF,PS,EON,UB,NND,R=F,PA=55	
PGC 28913	Sex	Galaxy IB(s)m
Mar 15 2005 8"	11mmT6 MB,VS,OVAL,NND,AV,R=F	

Observations Listing by Catalog Number

PGC 29372	Leo	Galaxy Sb
Apr 07 2008 31"	17mmT4 VF,VS,R,NND,AV,R=F	
PGC 29413	Leo	Galaxy SABdm:
Apr 19 2006 31"	19mmW PF,PS,OVAL,NND,R=F	
PGC 29472	UMA	Galaxy SB(s)c? sp
May 25 2014 18"	8mm Ds VF,PS,EON,UB,NND,R=F,PA=125	
PGC 29488	Leo	Galaxy E3
Apr 29 2011 12"	17mmAT DIFF,CF,PS,OVAL,UB,NND,R=F	
Apr 19 2006 31"	19mmW PF,PL,OVAL,NND,R=F	
PGC 29698	Leo	Galaxy Scd:
May 25 2014 18"	8mm Ds VF,VS,EON,UB,NND,R=F,PA=95	
PGC 29722	Leo	Galaxy S
Apr 15 2007 31"	17mmT4 PB,L,EON,BNUC,HISB,R=G	
PGC 29768	Leo	Galaxy S
Apr 15 2007 31"	17mmT4 PF,S,OVAL,NND,R=F	
PGC 30008	Leo	Galaxy S
Apr 15 2007 31"	17mmT4 B,PS,R,NND,R=F	
PGC 30221	Leo	Galaxy Sb
Apr 21 2007 31"	17mmT4 CF,PS,EON,NND,R=F	
PGC 30263	Leo	Galaxy S?
Apr 21 2007 31"	17mmT4 PF,CS,OVAL,FNUC,R=F	
PGC 30265	Leo	Galaxy
Apr 21 2007 31"	17mmT4 PF,CS,OVAL,FNUC,R=F	
PGC 30326	Leo	Galaxy S
Apr 21 2007 31"	17mmT4 CF,PS,R,NND,AV,R=F	
PGC 30328	Leo	Galaxy Sab
Apr 21 2007 31"	17mmT4 CF,PS,EON,NND,AV,R=F	
PGC 30378	Leo	Galaxy C
Apr 28 2006 31"	19mmW PF,PS,R,NND,AV,R=F	
PGC 30397	Leo	Galaxy
Apr 21 2007 31"	17mmT4 F,CS,R,NND,R=F	
PGC 30431	Leo	Galaxy
Apr 21 2007 31"	17mmT4 DIFF,PB,PS,R,NND,R=F	

Observations Listing by Catalog Number

PGC 30432	Leo	Galaxy L
Apr 21 2007 31"	17mmT4 DIFF,PB,L,R,NND,R=F	
PGC 30456	Leo	Galaxy
Apr 21 2007 31"	17mmT4 PB,CS,OVAL,FNUC,MSB,R=G	
PGC 30464	Leo	Galaxy S
Apr 21 2007 31"	17mmT4 VF,CS,EON,NND,AV,R=F	
PGC 30573	Leo	Galaxy S
Apr 21 2007 31"	17mmT4 DIFF,PB,CL,R,NND,R=F	
PGC 30585	Leo	Galaxy SB?
Apr 21 2007 31"	17mmT4 PB,PS,OVAL,FNUC,MSB,R=G	
PGC 31037	Sex	Galaxy SBd:
May 25 2014 18"	8mm Ds PF,PS,EON,UB,NND,R=F,PA=150	
PGC 31075	Leo	Galaxy Sbc
Apr 19 2006 31"	19mmW PB,PL,EON,UB,BNUC,R=G	
PGC 31526	Leo	Galaxy Sc
Apr 21 2007 31"	17mmT4 CF,PS,R,NND,AV,R=F	
PGC 31697	UMa	Galaxy S?
Feb 23 2006 31"	17mmT4 PB,PL,EON,BNUC,HISB,R=G	
PGC 31720	UMa	Galaxy S?
Feb 23 2006 31"	17mmT4 PB,PL,EON,BNUC,HISB,R=G	
PGC 31959	UMa	Galaxy SBb
Feb 23 2006 31"	17mmT4 PB,PL,EON,BNUC,HISB,R=G	
PGC 31965	UMa	Galaxy S0/a
Feb 23 2006 31"	17mmT4 PB,PL,EON,FNUC,MSB,R=G	
PGC 32418	Leo	Galaxy
Apr 07 2008 31"	17mmT4 PF,VS,R,NND,R=F	
PGC 32419	Leo	Galaxy
Apr 07 2008 31"	17mmT4 PF,VS,OVAL,NND,AV,R=F	
PGC 32572	Leo	Galaxy DB
Apr 07 2008 31"	17mmT4 DIFF,PF,PL,OVAL,NND,LSB,R=F	
PGC 32948	Leo	Galaxy
Apr 19 2007 31"	17mmT4 VF,VS,R,NND,AV,R=F	

Observations Listing by Catalog Number

PGC 33147	Leo	Galaxy Sbc
Apr 19 2007 31"	17mmT4 VF,L,EON,NND,AV,R=F	
PGC 33170	Leo	Galaxy
Apr 19 2007 31"	17mmT4 PF,PS,R,NND,R=F	
PGC 33213	Leo	Galaxy
Apr 19 2007 31"	17mmT4 PF,PS,EL,OVAL,NND,R=F	
PGC 33237	Leo	Galaxy S
Apr 19 2007 31"	17mmT4 VF,VS,EL,OVAL,NND,AV,R=F	
PGC 33244	Leo	Galaxy SB(s)c:
Apr 19 2007 31"	17mmT4 CF,PS,EON,NND,R=F	
PGC 33273	Leo	Galaxy
Apr 19 2007 31"	17mmT4 CF,PS,OVAL,NND,R=F	
PGC 33277	Dra	Galaxy Sab
Jul 13 2013 18"	7mm TV VF,VS,OVAL,UB,NND,AV,R=P	
Feb 23 2006 31"	17mmT4 FF,PS,EL,NND,R=F	
PGC 33278	Leo	Galaxy Sab
Apr 19 2007 31"	17mmT4 CF,PS,OVAL,NND,AV,R=F	
PGC 33282	Leo	Galaxy L
Apr 19 2007 31"	17mmT4 B,VS,OVAL,FNUC,R=F	
PGC 33396	Leo	Galaxy Dwarf Spiral
Apr 19 2007 31"	17mmT4 VF,PS,R,NND,AV,R=F	
PGC 33461	Leo	Galaxy SAB(r)b:
Apr 19 2007 31"	17mmT4 VF,PS,OVAL,NND,AV,R=F	
PGC 33798	Leo	Galaxy E
Apr 19 2007 31"	17mmT4 PF,PL,OVAL,UB,NND,R=F	
PGC 33816	Leo	Galaxy
Apr 19 2007 31"	17mmT4 CF,PS,R,NND,AV,R=F	
PGC 33843	Leo	Galaxy
Apr 19 2007 31"	17mmT4 VF,VS,EL,OVAL,NND,R=F	
PGC 34303	UMa	Galaxy S0
Feb 23 2006 31"	17mmT4 PB,PL,R,BNUC,HISB,R=G	
PGC 34591	Leo	Galaxy S0 pec
Apr 15 2007 31"	17mmT4 VF,VS,R,NND,AV,R=F	

Observations Listing by Catalog Number

PGC 34633	Leo	Galaxy
Apr 15 2007 31"	17mmT4 VF,VS,OVAL,NND,R=F	
PGC 34733	UMa	Galaxy Sd
Feb 23 2006 31"	17mmT4 FB,FL,EOB,FNUC,MSB,R=G	
PGC 34768	UMa	Galaxy SB(s)ab
Feb 23 2006 31"	17mmT4 FB,FL,R,FNUC,MSB,R=G	
PGC 34881	Leo	Galaxy S0?
Apr 26 2008 31"	17mmT4 PB,S,R,UB,NND,R=F	
PGC 34901	Leo	Galaxy Star ??
Apr 26 2008 31"	17mmT4 VF,VS,R,NND,AV,R=F	
PGC 34907	Leo	Galaxy S?
Apr 26 2008 31"	17mmT4 B,VS,R,UB,R=F	
PGC 35103	Leo	Galaxy S
Apr 13 2005 31"	11mmT6 MF,MS,EL,OVAL,NND,AV,R=F	
PGC 35179	Leo	Galaxy S
Apr 26 2008 31"	17mmT4 VF,VS,EL,OVAL,NND,R=F	
PGC 35183	Leo	Galaxy SB?
Apr 26 2008 31"	17mmT4 VF,VS,EL,,OVAL,NND,R=F	
PGC 35355	Leo	Galaxy S?
Apr 26 2008 31"	17mmT4 PF,S,OVAL,UB,NND,R=F	
PGC 35360	Leo	Galaxy S0?
Apr 26 2008 31"	17mmT4 PF,VS,EL,OVAL,UB,FNUC,R=G	
PGC 35381	Leo	Galaxy S
Apr 26 2008 31"	17mmT4 VF,VS,R,NND,	
PGC 35514	Leo	Galaxy
May 14 2010 31"	17mmT4 VF,CS,OVAL,NND,R=F	
PGC 35588	Leo	Galaxy S0?
May 14 2010 31"	17mmT4 PB,CS,R,BNUC,HSB,R=G	
PGC 35589	Leo	Galaxy S
May 14 2010 31"	17mmT4 PF,PS,OVAL,NND,R=F	
PGC 35609	UMa	Galaxy SB0 pec:
Feb 23 2006 31"	17mmT4 FF,PS,OVAL,NND,R=F	

Observations Listing by Catalog Number

PGC 35615	UMa	Galaxy SA(s)0/a pec:
Feb 23 2006 31"	17mmT4 PB,FS,R,NND,R=G	
PGC 35618	UMa	Galaxy (R')S0/a pec:
Feb 23 2006 31"	17mmT4 PB,FS,OVAL,FNUC,MSB,R=G	
PGC 35620	UMa	Galaxy Sa pec sp
Feb 23 2006 31"	17mmT4 PB,FS,OVA,FNUC,MSB,R=G	
PGC 35631	UMa	Galaxy S?
Feb 23 2006 31"	17mmT4 PF,PL,EON,NND,R=F	
PGC 35977	Leo	Galaxy S?
Sep 01 2008 31"	17mmT4 CF,VS,OVAL,NND,R=F	
PGC 35991	Leo	Galaxy Sd
May 25 2014 18"	8mm Ds VF,FS,EON,UB,NND,AV1,R=P,PA=130	
PGC 36189	Leo	Galaxy S
May 14 2010 31"	17mmT4 VF,VS,EON,UB,,NND,AV,R=F	
PGC 36325	Vir	Galaxy Pec
May 18 2007 31"	17mmT4 VF,S,R,NND,R=F	
PGC 36343	UMa	Galaxy Scd:
May 30 2014 18"	8mm Ds VF,PS,EON,UB,NND,R=F,PA=90	
PGC 36431	Leo	Galaxy Sb
May 25 2014 18"	8mm Ds VF,VS,EON,UB,NND,AV2,R=F,PA=60	
PGC 36550	Leo	Galaxy S
May 07 2007 31"	17mmT4 PF,CS,R,UB,NND,R=F	
PGC 36565	Leo	Galaxy
May 07 2007 31"	17mmT4 CF,CS,R,UB,NND,R=F	
PGC 36566	Leo	Galaxy
May 07 2007 31"	17mmT4 CF,CS,R,UB,NND,R=F	
PGC 36575	Leo	Galaxy
May 07 2007 31"	17mmT4 PF,PS,RL,OVAL,NND,R=F	
PGC 36586	Leo	Galaxy
May 07 2007 31"	17mmT4 DIFF,PF,PS,EL,OVAL,NND,R=F	
PGC 36589	Leo	Galaxy S?
May 07 2007 31"	17mmT4 PF,PS,OVAL,UB,NND,R=F	

Observations Listing by Catalog Number

PGC 36619	Leo		Galaxy E
May 07 2007 31"	17mmT4	PF,PL,OVAL,UB,NND,R=F	
PGC 36622	Leo		Galaxy
May 07 2007 31"	17mmT4	VF,PS,R,NND,R=F	
PGC 36723	Vir		Galaxy SAB(rs)b? pec
May 18 2007 31"	17mmT4	PF,PS,OVAL,NND,R=P	
PGC 36733	Vir		Galaxy SB(s)b: pec
May 18 2007 31"	17mmT4	PB,PS,EL,OVAL,NND,R=F	
PGC 36742	Vir		Galaxy SB(s)c pec
May 18 2007 31"	17mmT4	VF,VS,OVAL,NND,AV,R=F	
PGC 36759	Leo		Galaxy S?
Apr 18 2012 18"	8.8 ES	VF,VS,OVAL,NND,AV2,R=F	
PGC 37018	Leo		Galaxy S R
May 07 2007 31"	17mmT4	VF,PS,R,NND,AV,R=F	
PGC 37039	Leo		Galaxy
May 07 2007 31"	17mmT4	PF,VS,OVAL,UB,NND,R=F	
PGC 37040	Leo		Galaxy S
May 07 2007 31"	17mmT4	CF,CS,OVAL,UB,NND,R=F	
PGC 37096	Leo		Galaxy E
May 07 2007 31"	17mmT4	CF,PS,OVAL,NND,R=F	
PGC 37175	Leo		Galaxy S?
May 07 2007 31"	17mmT4	PF,PS,R,UB,NND,R=F	
PGC 37192	Leo		Galaxy S
May 07 2007 31"	17mmT4	PF,PS,EL,OVAL,NND,R=F	
PGC 38354	Crv		Galaxy E?
Apr 07 2008 31"	17mmT4	B,VS,OVAL,UB,NND,R=F	
PGC 40602	Vir		Galaxy S?
Mar 30 2014 18"	7mm TV	VF,VS,R,UB,NND,R=F	
PGC 41410	Vir		Galaxy SAB(s)c:
May 14 2007 31"	17mmT4	CF,CS,EL,OVAL,NND,R=F	
PGC 41666	Vir		Galaxy
May 14 2007 31"	17mmT4	PF,CS,EON,UB,NND,R=F	

Observations Listing by Catalog Number

PGC 41726	Vir	Galaxy E
May 14 2007 31"	17mmT4 PF,PS,EON,UB,NND,R=F	
PGC 43728	Vir	Galaxy Sab
May 18 2007 31"	17mmT4 PB,PS,EL,OVAL,FNUC,MSB,R=G	
PGC 43762	Vir	Galaxy
May 18 2007 31"	17mmT4 VF,VS,R,NND,AV,R=F	
PGC 43944	Vir	Galaxy S
May 18 2007 31"	17mmT4 DIFF,CF,PL,EON,UB,NND,R=F	
PGC 44105	Com	Galaxy
May 18 2009 31"	17mmT4 PB,PS,OVAL,BNUC,MHISB,R=G	
PGC 44109	Com	Galaxy C
May 18 2009 31"	17mmT4 CF,CS,OVAL,NND,AV,R=F	
PGC 44137	Com	Galaxy
May 18 2009 31"	17mmT4 PF,PS,R,NND,R=F	
PGC 44159	Com	Galaxy
May 18 2009 31"	17mmT4 VF,VS,R,UB,NND,R=F	
PGC 44358	Vir	Galaxy Sd: sp
May 30 2014 18"	8mm Ds PF,PS,EON,UB,NND,R=F,PA=100	
PGC 44391	Com	Galaxy SBb
May 30 2014 18"	8mm Ds PF,PS,EONL,UB,NND,R=F,PA=35	
PGC 45084	Vir	Galaxy IB(s)m sp
May 30 2014 18"	8mm Ds PF,PS,EON,UB,NND,R=F,PA=110	
PGC 45710	Com	Galaxy S?
May 12 2005 31"	19mmW MB,MS,EL,EON,NND,R=F	
PGC 49480	CVn	Galaxy SBb
May 12 2005 31"	19mmW VF,ML,OVAL,NND,R=F	
PGC 49542	CVn	Galaxy Sdm:
May 12 2005 31"	19mmW VB,VS,EL,EON,BNUC,R=G	
PGC 50693	Boo	Galaxy S0/a
May 22 2006 31"	19mmW PB,CS,EON,FNUC,R=F	
PGC 50828	Boo	Galaxy S
Jun 03 2005 31"	11mmT6 VF,MS,OVAL,NND,AV,R=F	

Observations Listing by Catalog Number

PGC 51372	Boo	Galaxy SAcd
May 22 2006 31"	19mmW PB,PL,OVAL,FNUC,R=G	
PGC 51389	Vir	Galaxy C
Apr 28 2006 31"	19mmW VF,VS,R,NND,R=F	
PGC 51400	Vir	Galaxy SB(s)d
Apr 28 2006 31"	19mmW CF,CS,OVAL,NND,R=F	
PGC 51417	Boo	Galaxy S0
May 22 2006 31"	19mmW PB,CS,OVAL,FNUC,R=F	
PGC 51443	Boo	Galaxy L
Jun 05 2011 31"	17mmT4 CF,CS,R,UB,NND,R=F	
PGC 51447	Boo	Galaxy L
Jun 05 2011 31"	17mmT4 VF,CS,OVAL,MEXT,UB,NND,R=F	
PGC 51464	Boo	Galaxy S
Jun 05 2011 31"	17mmT4 F,PS,EEXT,UB,FNUC,R=G,PA=40	
PGC 51470	Boo	Galaxy SBa
Jun 05 2011 31"	17mmT4 F,CS,OVAL,VEXT,UB,NND,R=F,PA=170	
PGC 51477	Boo	Galaxy Sc
Jun 05 2011 31"	17mmT4 VF,CS,OVAL,VEXT,UB,NND,R=F,PA=60	
PGC 51503	Boo	Galaxy Sd
May 22 2006 31"	19mmW F,PL,EON,NND,R=F	
PGC 51622	Vir	Galaxy Sbc
Apr 28 2006 31"	19mmW F,S,R,NND,R=F CLASS O1503	
PGC 51692	Boo	Galaxy SBab
Jun 05 2011 31"	17mmT4 VF,CS,OVAL,UB,NND,R=G	
PGC 51792	Boo	Galaxy S
Jun 05 2011 31"	17mmT4 CF,VS,OVAL,UB,NND,R=F,PAIRED W/PGC51800	
PGC 51800	Boo	Galaxy Sa
Jun 05 2011 31"	17mmT4 VF,VS,OVAL,UB,NND,R=F,PAIRED WPGC51792	
PGC 51872	Boo	Galaxy Sc
Jun 05 2011 31"	17mmT4 F,VS,OVAL,UB,NND,AV,R=F	
PGC 51881	Boo	Galaxy L
Jun 05 2011 31"	17mmT4 F,S,R,UB,NND,R=F	

Observations Listing by Catalog Number

PGC 51909	Vir	Galaxy Sc
Apr 29 2006 31"	19mmW VF,VS,EON,NND,AV,R=F	
PGC 51928	Boo	Galaxy S
Jun 05 2011 31"	17mmT4 CF,CS,OVAL,VEXT,UB,NND,R=F	
PGC 52027	Boo	Galaxy SBb
Jun 05 2011 31"	17mmT4 DIFF,VF,CS,R,UB,NND,R=F	
PGC 52160	Boo	Galaxy S0
Jun 05 2011 31"	17mmT4 PF,CS,EON,FNUC,R=F	
PGC 52183	Boo	Galaxy S0/a
Jun 05 2011 31"	17mmT4 PF,CS,R,BNUC,R=G	
PGC 52199	Vir	Galaxy S0
Apr 29 2006 31"	19mmW F,VS,R,NND,R=F	
PGC 52301	Boo	Galaxy SBR
Jun 05 2011 31"	17mmT4 VF,VS,R,UB,NND,AV,R=P	
PGC 52358	Boo	Galaxy
Jun 05 2011 31"	17mmT4 VF,ES,OVAL,UB,NND,R=F	
PGC 52373	Boo	Galaxy Sc
Jun 05 2011 31"	17mmT4 VF,VS,R,UB,NND,AV,R=P	
PGC 52612	Lib	Galaxy SB(s)d
May 28 2006 31"	19mmW VF,CS,OVAL,NND,AV,R=F	
PGC 52816	Lib	Galaxy (R')SB(r)a
Jul 06 2010 12"	7.5mmW VF,S,R,UB,NND,R=F	
PGC 54559	Ser	Galaxy
Jun 22 2012 18"	8.8 ES VF,VS,R,,NND,AV-4,R=P, HOAG'S OBJECT, NO RING OBSERVED	
PGC 56398	Her	Galaxy S0
May 21 2009 16"	11mmT6 CF,CS,R,UB,NND,R=F	
PGC 56544	Her	Galaxy S0-:
May 21 2009 16"	11mmT6 CF,PS,EL,OVAL,NND,R=F	
PGC 56685	Her	Galaxy SAB0-
Jul 16 2007 31"	17mmT4 PF,PS,OVAL,NND,R=F	
PGC 58867	Her	Galaxy Sc
Jul 16 2009 16"	17mmT4 PF,PS,OVAL,UB,NND,R=F	

Observations Listing by Catalog Number

PGC 58895	Her	Galaxy
Jul 16 2009 16"	17mmT4 PB,CS,R,BNUC,R=G	
PGC 58960	Dra	Galaxy Sb
May 23 2012 18"	8.8 ES CF,CS,EON,UB,NND,AV2,R=F,PA=95	
PGC 59061	Her	Galaxy Sa
Jul 16 2009 16"	17mmT4 CF,PS,R,UB,NND,R=F	
PGC 59062	Her	Galaxy S0 pec:
Jul 16 2009 16"	17mmT4 VF,CS,OVAL,NND,AV,R=F	
PGC 59102	Her	Galaxy Sb
Jul 16 2009 16"	17mmT4 CF,PS,R,NND,R=F	
PGC 60346	Oph	Galaxy SB(rs)c
Jul 31 2011 12"	5mm TV F,CS,MR,UB,NND,AV2,R=P	
Jul 03 2005 8"	11mmT6 MB,MS,R,FNUC,R=G	
PGC 61214	Oph	Galaxy Sd:
Jul 31 2011 12"	5mm TV VF,CS,OVAL,MEXT,UB,NND,AV1,R=F	
PGC 61300	Oph	Galaxy Scd:
Jul 31 2011 12"	5mm TV F,CS,EON,UB,NND,R=F	
PGC 61919	Lyr	Galaxy S
Aug 16 2009 31"	17mmT4 VF,VS,OVAL,UB,AV,R=F	
PGC 61939	Lyr	Galaxy
Aug 16 2009 31"	17mmT4 VF,VS,R,NND,R=F	
PGC 61966	Lyr	Galaxy SBa
Aug 16 2009 31"	17mmT4 PF,CS,OVAL,UB,NND,R=F	
PGC 61991	Lyr	Galaxy S?
Aug 16 2009 31"	17mmT4 PB,PS,R,BNUC,HISB,R=G	
PGC 62043	Lyr	Galaxy S0
Aug 24 2012 18"	5mm TV VF,VS,OVAL,EEXT,UB,NND,R=F, AKA/UGC-11278	
PGC 62080	Lyr	Galaxy SB
Aug 16 2009 31"	17mmT4 PF,PS,OVAL,FNUC,R=F	
PGC 62104	Lyr	Galaxy Sd:
Aug 16 2009 31"	17mmT4 PF,PS,EON,UB,NND,R=F	
PGC 62522	Lyr	Galaxy S
Aug 13 2007 31"	31mmT5 VF,VS,EON,NND,AV,R=F	

Observations Listing by Catalog Number

PGC 62556	Lyr	Galaxy
Sep 01 2011 31"	17mmT4	VF,VS,OVAL,UB,NND,AV3,R=P
PGC 62559	Lyr	Galaxy S
Sep 01 2011 31"	17mmT4	F,CS,R,UB,NND,R=F,DV
PGC 62560	Lyr	Galaxy
Sep 01 2011 31"	17mmT4	VF,ES,OVAL,UB,NND,AV2,R=F
PGC 62595	Lyr	Galaxy Sab
Sep 01 2011 31"	17mmT4	PF,PS,OVAL,MEXT,UB,NND,R=F
PGC 62606	Lyr	Galaxy
Sep 01 2011 31"	17mmT4	VF,VS,R,UB,NND,AV2,R=P
PGC 62613	Lyr	Galaxy E?
Sep 01 2011 31"	17mmT4	CF,CS,OVAL,UB,NND,R=F,DV
PGC 62664	Lyr	Galaxy
Sep 01 2011 31"	17mmT4	CF,VS,OVAL,NND,R=P, PAIRED W/PGC-62665
PGC 62665	Lyr	Galaxy S
Sep 01 2011 31"	17mmT4	CF,VS,R,UB,NND,R=F, PAIRED W/PGC-62664
PGC 62702	Lyr	Galaxy Scd:
Sep 01 2011 31"	17mmT4	DIFF,CF,PS,OVAL,MEXT,UB,NND,AV,R=F
PGC 63101	Lyr	Galaxy SA(s)c
Aug 16 2009 31"	17mmT4	CF,CS,R,UB,NND,R=F
PGC 63211	Cyg	Galaxy S
Aug 13 2010 31"	17mmT4	CF,VS,R,UB,NND,R=F
PGC 63311	Cyg	Galaxy Sb
Jul 25 2011 12"	7mm TV	VF,VS,OVAL,UB,NNS,R=F,AV1
PGC 63440	Cyg	Galaxy S0-:
Jul 25 2011 12"	7mm TV	VF,VS,OVAL,UB,NND,R=P,AV1
PGC 63529	Cyg	Galaxy SAB(s)0-
Jul 21 2004 8"	25mmPL	SHORT NIGHT - CLOUDS ROLLED IN.
PGC 63552	Cyg	Galaxy S?
Jul 25 2011 12"	7mm TV	VF,VS,OVAL,UB,NND,R=P
PGC 63766	Cyg	Galaxy SAB(s)bc
Jul 25 2011 12"	7mm TV	VF,CS,OVAL,NND,R=P

Observations Listing by Catalog Number

PGC 63912	Aql	Galaxy SAB(rs)c
Aug 13 2010 31"	17mmT4 CF,PS,R,UB,NND,AV,R=P	
PGC 64016	Aql	Galaxy Sb:
Aug 13 2010 31"	17mmT4 VF,CS,OVAL,PEXT,NND,AV,R=F	
PGC 64548	Cap	Galaxy SA(rs)cd
Aug 24 2005 8"	7.5mmW VF,VS,R,NND,R=F	
PGC 64553	Aql	Galaxy SB(s)d:
Aug 31 2008 31"	17mmT4 VF,VS,OVAL,NND,AV,R=P	
PGC 64672	Cap	Galaxy Sc
Sep 28 2008 31"	17mmT4 CF,ES,R,NND,AV,R=F	
PGC 64812	Aql	Galaxy Sb
Aug 31 2008 31"	17mmT4 VF,VS,R,NND,AV,R=P	
PGC 64854	Aql	Galaxy
Aug 31 2008 31"	17mmT4 VF,VS,R,NND,R=F	
PGC 64864	Aql	Galaxy SB(rs)0/a:
Aug 31 2008 31"	17mmT4 CF,CS,OVAL,NND,R=F	
PGC 64880	Aql	Galaxy E
Aug 31 2008 31"	17mmT4 VF,VS,R,NND,R=F	
PGC 64907	Cap	Galaxy IBm pec
Sep 28 2008 31"	17mmT4 EF,VS,OVAL,NND,AV,R=F	
PGC 64910	Aql	Galaxy (R')SAB(rs)bc p
Aug 31 2008 31"	17mmT4 CF,S,OVAL,NND,R=P	
PGC 64976	Del	Galaxy
Aug 31 2008 31"	17mmT4 EF,ES,R,NND,AV,R=P	
PGC 64995	Del	Galaxy E
Aug 31 2008 31"	17mmT4 VF,VS,R,NND,AV,R=F	
PGC 64999	Del	Galaxy Sc
Aug 31 2008 31"	17mmT4 VF,VS,EON,NND,AV,R=F	
PGC 65060	Del	Galaxy Sb
Aug 31 2008 31"	17mmT4 PF,CS,OVAL,UB,NND,R=F	
PGC 65099	Del	Galaxy S0
Aug 31 2008 31"	17mmT4 CF,S,OVAL,NND,R=F	

Observations Listing by Catalog Number

PGC 65138	Del	Galaxy E
Aug 31 2008 31"	17mmT4 PF,VS,OVAL,UB,NND,R=F	
PGC 65281	Del	Galaxy S?
Sep 25 2006 31"	19mmW PF,PS,OVAL,NND,AV,R=F	
PGC 65293	Del	Galaxy SB(r)a
Sep 25 2006 31"	19mmW PF,PS,OVAL,NND,AV,R=F	
PGC 65308	Aqr	Galaxy L
Sep 27 2005 31"	17mmT4 VB,ML,OVAL,FNUC,MSB,R=G	
PGC 65331	Aqr	Galaxy SBbc
Sep 27 2005 31"	17mmT4 VF,VS,R,NND,AV,R=F	
PGC 65391	Aqr	Galaxy Scd
Sep 27 2005 31"	17mmT4 VF,VS,OVAL,NND,R=F	
PGC 65444	Aqr	Galaxy SBab
Sep 13 2007 31"	17mmT4 PF,PS,EON,UB,NND,R=F	
PGC 65482	Del	Galaxy
Sep 25 2006 31"	19mmW PF,S,R,NND,R=F	
PGC 65555	Cap	Galaxy Scd? sp
Sep 28 2008 31"	17mmT4 VF,S,OVAL,NND,R=F	
PGC 65923	Cap	Galaxy SB(rs)0+ pec:
Sep 27 2005 31"	17mmT4 MB,ML,OVAL,FNUC,MSB,R=F	
PGC 65927	Aqr	Galaxy
Nov 02 2010 31"	17mmT4 VF,VS,OVAL,UB,NND,R=F,AV3	
PGC 65971	Del	Galaxy
Sep 25 2006 31"	19mmW VF,VS,OVAL,NND,R=F	
PGC 66125	Del	Galaxy S R
Sep 25 2006 31"	19mmW VF,PS,R,NND,AV,R=F	
PGC 66139	Del	Galaxy
Sep 25 2006 31"	19mmW PF,PS,OVAL,NND,R=F	
PGC 66170	Del	Galaxy E
Sep 25 2006 31"	19mmW PB,FL,R,FNUC,R=G	
PGC 66176	Del	Galaxy S?
Sep 25 2006 31"	19mmW PB,FL,EL,OVAL,FNUC,MHISB,R=G	

Observations Listing by Catalog Number

PGC 66178	Del	Galaxy Scd:
Sep 25 2006 31"	19mmW VF,S,EON,NND,AV,R=F	
PGC 66242	Aqr	Galaxy SB(rs)bc:
Sep 27 2005 31"	17mmT4 VF,VL,OVAL,PATCH,NND,R=F	
PGC 66265	Aqr	Galaxy
Sep 27 2005 31"	17mmT4 VS,VF,R,NND,R=F	
PGC 66279	Aqr	Galaxy E
Sep 27 2005 31"	17mmT4 MF,ML,R,NND,R=F	
PGC 66538	Vul	Galaxy
Sep 01 2011 31"	17mmT4 PF,CS,R,BNUC,R=G	
PGC 66590	Aqr	Galaxy SBcd:
Oct 05 2005 31"	17mmT4 VF,ML,EL,NND,R=F	
PGC 66904	Aqr	Galaxy SAB(s)bc pec?
Sep 13 2007 31"	17mmT4 CF,PL,R,NND,AV,R=F	
PGC 66940	Aqr	Galaxy S
Oct 05 2005 31"	17mmT4 PF,PS,R,NND,AV,R=F	
PGC 66966	Peg	Galaxy E
Sep 25 2006 31"	19mmW PF,VS,OVAL,NND,R=F	
PGC 67049	Cyg	Galaxy SAB0^
Jul 25 2011 12"	7mm TV VF,VS,OVAL,UB,NND,R=F	
Jul 19 2011 12"	7mm TV VF,VS,OVAL,UB,NND,R=P	
PGC 67153	Peg	Galaxy S?
Sep 25 2006 31"	19mmW VF,VS,EON,NND,AV,R=F	
PGC 67246	Cyg	Galaxy SB?
Jul 25 2011 12"	7mm TV VF,VS,OVAL,UB,NND,R=P,AV4	
PGC 67282	Aqr	Galaxy Scd: sp
Sep 13 2007 31"	17mmT4 VF,PS,EON,NND,AV,R=F	
PGC 67741	Peg	Galaxy C
Sep 25 2006 31"	19mmW VF,VS,OVAL,NND,AV,R=F	
PGC 67762	Peg	Galaxy
Sep 25 2006 31"	19mmW VF,VS,R,NND,AV,R=F	
PGC 67897	Peg	Galaxy SB?
Sep 01 2011 31"	17mmT4 CF,CS,R,UB,NND,R=F	

Observations Listing by Catalog Number

PGC 68011	Peg	Galaxy S
Oct 23 2008 31"	17mmT4 VF,S,EON,NND,R=F	
PGC 68079	Lac	Galaxy SBd:
Aug 24 2012 18"	5mm TV VF,VS,OVAL,UB,NND,AV,R=F	
PGC 68110	Lac	Galaxy SABbc
Aug 24 2012 18"	5mm TV VF,PS,OVAL,MEXT,UB,NND,R=F	
PGC 68171	Lac	Galaxy Sb
Aug 24 2012 18"	5mm TV VF,VS,R,UB,NND,R=F	
PGC 68229	Aqr	Galaxy S
Sep 13 2007 31"	17mmT4 PF,PS,R,NND,AV,R=F	
PGC 68240	Aqr	Galaxy
Sep 13 2007 31"	17mmT4 PF,PS,R,NND,R=F	
PGC 68259	Peg	Galaxy Sa
Oct 23 2008 31"	17mmT4 F,S,R,NND,R=F	
PGC 68325	Peg	Galaxy
Oct 23 2008 31"	17mmT4 VF,VS,R,NND,AV,R=P	
PGC 68327	Peg	Galaxy SBcd?
Oct 23 2008 31"	17mmT4 VF,CS,EON,NND,AV,R=P	
PGC 68331	Peg	Galaxy
Oct 23 2008 31"	17mmT4 F,VS,OVAL,NND,AV,R=F	
PGC 68341	Peg	Galaxy Sab
Oct 23 2008 31"	17mmT4 F,S,OVAL,UB,NND,R=F	
PGC 68343	Peg	Galaxy S
Oct 23 2008 31"	17mmT4 VF,S,R,NND,AV,R=P	
PGC 68348	Peg	Galaxy Sc
Oct 23 2008 31"	17mmT4 VF,VS,OVAL,NND,AV,R=P	
PGC 68356	Peg	Galaxy
Oct 23 2008 31"	17mmT4 F,VS,R,UB,NND,R=F	
PGC 68368	Peg	Galaxy C
Oct 23 2008 31"	17mmT4 F,CS,R,NND,R=F	
PGC 68393	Peg	Galaxy
Oct 23 2008 31"	17mmT4 VF,VS,OVAL,NND,AV,R=F	

Observations Listing by Catalog Number

PGC 68482	Lac	Galaxy SAB(s)bc
Aug 24 2012 18"	5mm TV PF,PS,EON,NND,AV1,R=P,12 MAG STAR EAST EDGE	
Sep 11 2007 31"	17mmT4 B,FL,EON,UB,NND,MSB,R=G	
PGC 68543	Peg	Galaxy SA(s)c
Oct 23 2008 31"	17mmT4 VF,S,R,NND,AV,R=F	
PGC 68617	Peg	Galaxy Sbc
Oct 30 2005 31"	17mmT4 MB,ML,EON,FNUC,R=F	
PGC 68623	Lac	Galaxy Sa
Sep 11 2007 31"	17mmT4 PF,PS,OVAL,UB,NND,R=F	
PGC 68664	Peg	Galaxy SBc
Sep 25 2006 31"	19mmW VF,CS,OVAL,NND,AV,R=F	
PGC 68675	Lac	Galaxy S?
Sep 11 2007 31"	17mmT4 VF,PS,OVAL,NND,AV,R=F	
PGC 68706	Lac	Galaxy
Sep 11 2007 31"	17mmT4 VF,PS,NND,R=F	
PGC 68713	Lac	Galaxy Sb
Sep 11 2007 31"	17mmT4 PF,PS,OVAL,UB,NND,R=F	
PGC 68715	Lac	Galaxy S
Sep 11 2007 31"	17mmT4 PF,PS,EON,UB,R=F	
PGC 68952	Peg	Galaxy C
Sep 01 2011 31"	17mmT4 CF,CS,R,UB,NND,R=F	
Oct 23 2008 31"	17mmT4 CF,CS,R,UB,NND,R=F	
PGC 69025	Peg	Galaxy S
Sep 01 2011 31"	17mmT4 CF,VS,R,UB,NND,AV3,R=P	
PGC 69095	Peg	Galaxy SBb
Oct 23 2008 31"	17mmT4 F,S,OVAL,UB,NND,R=F	
PGC 69148	Peg	Galaxy S
Oct 23 2008 31"	17mmT4 F,S,OVAL,UB,NND,R=F	
PGC 69220	Peg	Galaxy Sd:
Oct 23 2008 31"	17mmT4 VF,VS,OVAL,NND,AV,R=F	
PGC 69245	Peg	Galaxy
Sep 14 2012 36"	17mmT4 VF,VS,R,UB,NND,AV3,R=F,ABUTS NGC-7315	
PGC 69281	Peg	Galaxy Sb
Oct 23 2008 31"	17mmT4 CF,CS,EL,OVAL,UB,NND,R=F	

Observations Listing by Catalog Number

PGC 69305	Peg	Galaxy S0
Oct 23 2008 31"	17mmT4 F,S,OVAL,NND,R=F	
PGC 69351	Peg	Galaxy S
Oct 23 2008 31"	17mmT4 VF,S,OVAL,NND,AV,R=F	
PGC 69360	Peg	Galaxy S0
Oct 23 2008 31"	17mmT4 F,S,OVAL,,NND,R=F	
PGC 69387	Peg	Galaxy E
Oct 23 2008 31"	17mmT4 F,S,OVAL,UB,NND,R=F	
PGC 69402	Peg	Galaxy SB?b
Oct 23 2008 31"	17mmT4 VF,S,OVAL,NND,AV,R=F	
PGC 69434	Peg	Galaxy S?
Oct 23 2008 31"	17mmT4 F,S,R,UB,NND,R=F	
PGC 69457	Peg	Galaxy Sab
Sep 11 2007 31"	12mmT4 PF,PS,OVAL,UB,NND,R=F,HINT OF HALO?	
PGC 69486	Peg	Galaxy SB0/a
Oct 23 2008 31"	17mmT4 F,CS,OVAL,UB,NND,R=F	
PGC 69493	Peg	Galaxy S0
Oct 23 2008 31"	17mmT4 CF,CS,R,UB,NND,R=F	
PGC 69524	Peg	Galaxy S
Oct 23 2008 31"	17mmT4 CF,CS,EON,NND,AV,R=F	
PGC 69559	Peg	Galaxy Sb
Nov 02 2010 31"	17mmT4 PF,PS,OVAL,UB,NND,R=F	
PGC 69675	Peg	Galaxy
Nov 03 2013 36"	17mmT4 PF,PS,OVAL,FNUC,R=F,PAIRED W/NGC-7374	
PGC 69858	Peg	Galaxy S0?
Aug 25 2011 12"	5mm TV VF,VS,R,UB,NND,AV,R=P	
PGC 69955	Peg	Galaxy
Nov 03 2013 36"	17mmT4 VF,VS,R,NND,R=F	
PGC 69984	Peg	Galaxy S
Nov 03 2013 36"	17mmT4 PF,PS,OVAL,UB,NND,R=F,PAIRED W/NGC-7415	
PGC 69986	Peg	Galaxy
Nov 02 2010 31"	17mmT4 CF,ES,R,UB,NND,R=F	

Observations Listing by Catalog Number

PGC 70001	Peg	Galaxy
Nov 02 2010 31"	17mmT4 PF,ES,R,UB,NND,R=F,STAR AT NNW EDGE	
PGC 70019	Peg	Galaxy
Nov 02 2010 31"	17mmT4 PF,ES,R,FNUC,R=F	
PGC 70022	Peg	Galaxy
Nov 02 2010 31"	17mmT4 CF,ES,R,UB,NND,R=F	
PGC 70023	Peg	Galaxy Sb
Nov 02 2010 31"	17mmT4 PF,ES,R,UB,NND,R=P,STAR AT SW EDGE	
PGC 70054	Peg	Galaxy Sc
Nov 02 2010 31"	17mmT4 CF,VS,R,UB,NND,R=F	
PGC 70055	Peg	Galaxy
Nov 02 2010 31"	17mmT4 PF,ES,R,UB,NND,R=F	
PGC 70063	Peg	Galaxy SB?
Nov 02 2010 31"	17mmT4 CF,VS,OVAL,PEXT,UB,NND,R=F,STAR AT SSE EDGE	
PGC 70064	Peg	Galaxy Sa
Nov 02 2010 31"	17mmT4 PF,PS,EON,FNUC,MSB,R=G,FAINT BULGE DETECTED	
PGC 70111	Peg	Galaxy C
Nov 03 2013 36"	17mmT4 VF,VS,OVAL,UB,NND,R=F	
PGC 70115	Peg	Galaxy
Nov 03 2013 36"	17mmT4 VF,VS,OVAL,UB,NND,R=F	
PGC 70136	Peg	Galaxy S
Nov 03 2013 36"	17mmT4 PF,PS,OVAL,UB,NND,R=F	
PGC 70162	Peg	Galaxy S
Nov 03 2013 36"	17mmT4 VF,PS,R,UB,NND,AV1,R=F	
PGC 70174	Peg	Galaxy S
Oct 15 2006 31"	19mmW VF,VS,OVAL,NND,AV,R=F	
PGC 70175	Peg	Galaxy Sdm:
Nov 03 2013 36"	17mmT4 VF,CS,EON,UB,NND,R=F,PA=30	
PGC 70180	Peg	Galaxy
Nov 03 2013 36"	17mmT4 PF,PS,R,UB,NND,R=F	
PGC 70190	Peg	Galaxy
Nov 02 2010 31"	17mmT4 PF,VS,R,FNUC,R=G	

Observations Listing by Catalog Number

PGC 70200	Peg	Galaxy
Nov 02 2010 31"	17mmT4 CF,CS,OVAL,UB,R=F	
PGC 70210	Peg	Galaxy
Nov 02 2010 31"	17mmT4 PF,VS,R,FNUC,,R=F	
PGC 70211	Peg	Galaxy SB
Oct 15 2006 31"	19mmW CF,CS,R,NND,AV,R=F	
PGC 70228	Peg	Galaxy Sc
Nov 02 2010 31"	17mmT4 VF,CS,OVAL,PET,UB,NND,R=F,AV2	
PGC 70247	Peg	Galaxy Sc
Nov 03 2013 36"	17mmT4 CF,PS,OVAL,UB,NND,R=F	
PGC 70254	Peg	Galaxy S0/a
Oct 15 2006 31"	19mmW PF,PS,EON,NND,R=F	
PGC 70269	Peg	Galaxy
Oct 15 2006 31"	19mmW PF,PS,R,NND,R=F	
PGC 70275	Peg	Galaxy S?
Oct 15 2006 31"	19mmW PF,PS,EL,OVAL,NND,R=F	
PGC 70307	Peg	Galaxy Sb-c
Nov 02 2010 31"	17mmT4 VF,VS,EON,NND,R=F,AV4	
PGC 70326	Peg	Galaxy S0/a
Oct 15 2006 31"	19mmW VF,VS,OVAL,NND,R=F	
PGC 70374	Peg	Galaxy SB0
Oct 15 2006 31"	19mmW VF,CS,OVAL,NND,R=F	
PGC 70403	Peg	Galaxy S
Oct 15 2006 31"	19mmW VF,VS,OVAL,NND,R=F	
PGC 70404	Peg	Galaxy S
Oct 15 2006 31"	19mmW VF,PS,OVAL,NND,AV,R=F	
PGC 70445	Peg	Galaxy S?
Oct 15 2006 31"	19mmW VF,PS,OVAL,NND,AV,R=F	
PGC 70463	Peg	Galaxy Sb-c
Oct 15 2006 31"	19mmW CF,CS,EON,NND,R=F	
PGC 70537	Peg	Galaxy SBb/Sb
Oct 15 2006 31"	19mmW VF,PS,OVAL,NND,AV,R=F	

Observations Listing by Catalog Number

PGC 70598	And	Galaxy Compact
Nov 03 2013 36"	17mmT4 VF,VS,OVAL,UB,NND,AV2,R=F	
PGC 70842	Peg	Galaxy E?
Oct 30 2008 31"	17mmT4 MF,MS,R,NND,R=F	
PGC 71054	Peg	Galaxy S
Nov 03 2013 36"	17mmT4 PF,PS,OVAL,UB,NND,R=F	
PGC 71080	Peg	Galaxy S?
Nov 03 2013 36"	17mmT4 PF,PS,OVAL,UB,NND,R=F	
PGC 71085	Peg	Galaxy Dwarf?
Nov 03 2013 36"	17mmT4 VF,VS,OVAL,PEXT,UB,NND,AV2,R=F	
PGC 71092	Peg	Galaxy S0
Nov 02 2010 31"	17mmT4 PF,CS,OVAL,FNUC,R=G,PA=170, 8TH MAG STAR AT WEST EDGE	
PGC 71094	Peg	Galaxy Sc-Irr
Nov 02 2010 31"	17mmT4 VF,VS,OVAL,UB,NND,R=F,AV4	
PGC 71101	Peg	Galaxy
Nov 02 2010 31"	17mmT4 PF,CS,OVAL,FNUC,R=F	
PGC 71119	Peg	Galaxy S?
Nov 02 2010 31"	17mmT4 CF,VS,OVAL,UB,NND,R=F	
PGC 71120	Psc	Galaxy Sm:
Nov 03 2013 36"	17mmT4 VF,CS,R,UB,NND,AV3,R=P	
PGC 71156	Peg	Galaxy
Nov 02 2010 31"	17mmT4 CF,ES,R,UB,NND,R=F	
PGC 71299	Peg	Galaxy
Oct 25 2006 31"	17mmT4 CF,CS,OVAL,NND,R=F	
PGC 71315	Peg	Galaxy
Oct 25 2006 31"	17mmT4 CF,CS,R,NND,AV,R=F	
PGC 71317	Peg	Galaxy
Oct 25 2006 31"	17mmT4 VF,VS,OVAL,NND,R=F	
PGC 71319	Peg	Galaxy
Oct 25 2006 31"	17mmT4 F,CS,OVAL,NND,R=F	
PGC 71320	Peg	Galaxy
Oct 25 2006 31"	17mmT4 VF,CS,OVAL,NND,AV,R=F	

Observations Listing by Catalog Number

PGC 71322	Peg	Galaxy
Oct 25 2006 31"	17mmT4 EF,ES,R,NND,AV,R=F	
PGC 71323	Peg	Galaxy Sc
Oct 25 2006 31"	17mmT4 PF,PS,OVAL,NND,R=F	
PGC 71324	Peg	Galaxy
Oct 25 2006 31"	17mmT4 CF,PS,OVAL,FNUC,R=F	
PGC 71326	Peg	Galaxy
Oct 25 2006 31"	17mmT4 VF,PS,R,NND,AV,R=F	
PGC 71327	Peg	Galaxy E
Oct 25 2006 31"	17mmT4 EF,ES,R,AV,R=F	
PGC 71330	Peg	Galaxy
Oct 25 2006 31"	17mmT4 VF,CS,OVAL,NND,AV,R=F	
PGC 71331	Peg	Galaxy
Oct 25 2006 31"	17mmT4 VF,PS,R,NND,R=F	
PGC 71332	Peg	Galaxy
Oct 25 2006 31"	17mmT4 PF,CS,OVAL,NND,R=F	
PGC 71337	Peg	Galaxy
Oct 25 2006 31"	17mmT4 VF,PS,R,NND,R=F	
PGC 71342	Peg	Galaxy
Oct 25 2006 31"	17mmT4 CF,PS,R,NND,R=F	
PGC 71355	Peg	Galaxy SB?
Oct 25 2006 31"	17mmT4 CF,L,OVAL,PATCHY,NND,R=F	
PGC 71359	Peg	Galaxy SBab
Oct 25 2006 31"	17mmT4 PF,L,OVALNND,R=F	
PGC 71368	And	Galaxy Sdm
Aug 24 2012 18"	5mm TV VF,PS,R,UB,NND,AV2,R=F	
PGC 71371	Peg	Galaxy L
Oct 25 2006 31"	17mmT4 PF,PS,OVAL,NND,R=F	
PGC 71374	Peg	Galaxy
Oct 25 2006 31"	17mmT4 PF,PS,OVAL,NND,R=F	
PGC 71386	Peg	Galaxy S0/a
Oct 25 2006 31"	17mmT4 PB,PS,EON,FNUC,MHISB,R=G	

Observations Listing by Catalog Number

PGC 71398	Peg	Galaxy
Oct 25 2006 31"	17mmT4 PF,L,R,NND,R=F	
PGC 71752	Psc	Galaxy SB(s)d
Sep 19 2014 18"	8mm Ds VF,S,OVAL,EEXT,UB,NND,AVII,R=P, WRO - 9/19/14	
PGC 72179	Peg	Galaxy S?
Nov 03 2013 36"	17mmT4 PF,PS,OVAL,UB,NND,R=F	
PGC 72341	Peg	Galaxy C
Nov 03 2013 36"	17mmT4 PF,VS,OVAL,UB,NND,R=F	
PGC 72346	Peg	Galaxy Sd
Nov 03 2013 36"	17mmT4 VF,VS,R,UB,NND,R=F	
PK 21-0.1	Sct	Planetary Neb 2+3
Aug 13 2007 31"	31mmT5 PF,VS,R=F, CENTRAL STAR NOT VISIBLE	
PK 64+5.1	Cyg	Planetary Neb 4
Aug 24 2005 8"	7.5mmW VF,VS,R,AV,R=F	
PK 158+17.1	FIX	Planetary Neb 3
Feb 20 2006 31"	17mmT4 DIFF,VS,R=F, OIII FILTER	
PK 318+41.1	Vir	Planetary Neb 3b+3a
Jun 07 2010 12"	9mm CF,PL,PATCHY, NO CENTRAL STAR DETECTED,R=P	
STOCK 2	Cas	Open Cluster I 2 m
Dec 05 2015 12"	17mmT4	
Oct 13 2006 1.9"	12x50 B,PL,R=F	
Dec 31 2003 8"	25mmPL H/M COLD	
STOCK 23	Cam	Open Cluster II 3 P N
Nov 26 2006 1.9"	12x50 B,PL,LOOSE,R=F	
Nov 09 2006 8"	19mmW 6+ BRIGHT, OTHERS DIM, PS,R=F	
TER 2	Sco	Globular
Oct 29 2006 8"	19mmW PF,PS,LOOSE,R=F	
TER 3	Sco	Globular
Nov 26 2006 1.9"	12x50 B,PL,LOOSE,RESOLVESTARS,R=G	
Nov 09 2006 8"	19mmW 12+,FAINT,R=F	
TER 8	Sgr	Globular
Jul 31 2005 8"	11mmT6 VF,VS,R,LOWSB,R=F	
TER 9	Sgr	Globular
Aug 06 2010 28"	26mm PF,PS,SMUDGE, NO STARS RESOLVED	

Observations Listing by Catalog Number

UGC 12914	Peg	Galaxy
Sep 09 2010 12"	5.5mmN	PF,PS,OVAL,PEXT,UB,NND,R=F,PA=30,PAIRED W/UGC 12915

UGC 12915	Peg	Galaxy
Sep 09 2010 12"	5.5mmN	CF,CS,OVAL,MET,UB,NND,R=F,PA=20,PAIRED W/UGC 12914

WINN 4	UMa	M40	Unknown STAR
Mar 16 2012 18"	17mmAT	2012 M.M.	
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010 12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009	
Aug 20 2006 1.9"	12x50	2-STARS	
Mar 19 2006 8"	19mmW	R=F	
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Dec 30 2003 8"	25mmPL	H/M COLD	