

Herschel 400 (II) Observations

H1-2	NGC 7184	Aqr	Galaxy SB(r)c	PB,PL,ME64,BET3*,ER
Aug 21 2004	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
Sep 13 2007	31"	17mmT4	PB,CL,EON,FNUC,HISB,R=G	
H1-7	NGC 1662	Ori	Open Cluster 9.0 II 3 m	CL OF L\$S SC ST
Nov 04 2007	1.9"	12x50	B,S,STARS 12+,R=F	
H2-2	NGC 7507	Sci	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.	
H2-4	NGC 2261	Mon	Nebula E+R	B,VME330,N COM=*11
Mar 28 2011	12"	11mmT6	VF,VS,R=F,OIII	
H3-4	NGC 2245	Mon	Nebula R	PL,COM,MBN SFALM*
Mar 28 2011	12"	11mmT6	PF,VS,R=F,OIII	
H3-6	NGC 2269	Mon	Open Cluster 10.0 II 1 p	CL,VMC,NOT RI,ST VS
Nov 25 2006	8"	11mmT6	F,PS,R=F	
H5-2	NGC 1032	Cet	Galaxy S0/a sp	PB,S,VLE,BM,3*TRAP
Nov 13 2007	8"	11mmT6	VF,VS,R,NND,AV,R=F	
H5-7	NGC 2236	Mon	Open Cluster 12.0 II 2 m	CL,PRI,PC,*10,12..15
Nov 25 2006	8"	11mmT6	CB,CL,LOOSE,R=F	
H7-4	NGC 3507	Leo	Galaxy SB(s)b	CF,PL,R,SBMS*,*9ATT
Mar 06 2005	8"	11mmT6	DIFF,VF,MS,OVAL,NND,AV,R=F	
H7-6	NGC 5053	Com	Globular	CL,VF,PL,IR,VGBM,*15
Mar 10 2007	1.9"	12x50	PB,PL,R=G,COMPRESSED	
May 12 2005	31"	19mmW	FAINT,OVAL,R=F	
May 30 2016	12"	8mm Et	VF,S,R=F	
H7-8	NGC 1663	Ori	Open Cluster IV 2 p c	CL,LRI,ST L\$S
Apr 09 2008	8"	11mmT6	PF,PS,R=F	
H8-2	NGC 1587	Tau	Galaxy E pec	F,PS,R,R,P OF D NEB
Dec 04 2004	8"	11mmT6	VF,OVAL,NND,AV,R=F	
H9-5	NGC 6526	Sgr	Nebula E	F,L,CE
Jul 19 2011	12"	11mmT6	F,L,EBULOSITY, INTERMITENT DARK BAND, OIII DIDN'T SEEM TO HELP.	
H11-2	NGC 4237	Com	Galaxy SAB(rs)bc	PB,PL,LE,VGBM,R
Apr 16 2009	16"	17mmT4	PF,PS,EL,OVAL,UB,NND,R=F	
H13-2	NGC 3705	Leo	Galaxy SAB(r)ab	PF,PL,R,VSBM,R
May 13 2007	8"	11mmT6	PF,CS,OVAL,NND,R=F	
H13-4	NGC 6894	Cyg	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	
H14-4	NGC 6772	Aql	Planetary Neb 3b+2	VF,L,R,VVLBM,R
Aug 31 2008	31"	17mmT4	VF,VS,R,R=P,NO CENTRAL STAR	
H14-5	NGC 6992	Cyg	Nebula E	EF,EL,EE,EIF,BIFID
Jul 01 2016	12"	35mm A	GREAT,R=E!! LP2 FILTER	
Jul 25 2011	12"	32mmUWB	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	
H15-3	NGC 3646	Leo	Galaxy Ring	CF,CL,LE,GBM,SP OF 2
May 13 2007	8"	11mmT6	CF,PS,OVAL,NND,R=F	
H15-5	NGC 6960	Cyg	Nebula E	PB,CL,EIF,KAPPACYGIN
Jul 01 2016	12"	35mm A	GREAT,R=E!! LP2 FILTER	
Jul 08 2018	12"	35mm A	B,L,R=E!! NARROWBAND FILTER	

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H15-5	NGC 6960	Cyg	Nebula E	PB,CL,EIF,KAPPACYGIN
Jul 08 2018	12"	35mm A	B,L,R=E!! NARROWBAND FILTER	
Jul 16 2004	8"	25mmPL	CLEAR - SEEING NOT TOO BAD	
Jul 19 2017	12"	27m PN	F,L,R=E. LP2. NICE CONTRAST	
Jul 25 2011	12"	32mmUWB,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	
H15-8	NGC 6604	Ser	Open Cluster 7.5 I 3 m n	CL,LRI,LC
Sep 05 2007	8"	11mmT6	F,S,R=F	
H17-2	NGC 4235	Vir	Galaxy SA(s)a sp	PB,PL,PME,BM,P OF 2
Apr 09 2008	8"	11mmT6	PF,PS,EON,UB,FNUC,R=G	
Apr 29 2011	12"	5mm TV	PF,PS,EON,FNUC,R=G,PA=45	
H18-6	NGC 2309	Mon	Open Cluster 13.0 I 2 m	CL,PL,PRI,MC,ST13
Nov 25 2006	8"	11mmT6	F,PS,R=F,COMPRESSED	
H19-4	NGC 2170	Mon	Nebula R	*9 INV,PL,NEB,E170
Mar 28 2011	12"	17mmAT	SMALL, FAINT,IRREGULAR,R=F, OIII FILTER	
H20-1	NGC 3666	Leo	Galaxy SA(rs)c:	F,E90,*6F34S,5'N
May 13 2007	8"	11mmT6	CF,PS,EON,NND,R=F	
H21-5	NGC 2359	CMa	Nebula E	VF,VVL,VIF
Apr 14 2010	16"	26mm	PB,PL,OVAL,UB,NND.R=G	
Dec 12 2012	36"	17mmT4	OUSTANDING OBJECT WOIII FILTER AND VERY GOOD TRANSPARENCY.	
Dec 19 2006	31"	31mmT5	PB,EL,PATCH,R=E,HINT-NEBULOSITY,NO FILTER	
Dec 20 2006	31"	31mmT5	VB,EL,NEBULOSITY!!,R=E!!!!,OIII FILTER	
Dec 28 2008	31"	31mmT5	PB,PL,R=E!!, BEAUTIFUL	
Mar 10 2007	8"	19mmW	PB,L,NEBULOSITY,R=G,OIII FILTER	
H21-8	NGC 6800	Vul	Open Cluster 10.0 IV 1 p	CL,VL,PRI,VLC,ST10..
Aug 18 2010	12"	11mmT6	PF,CS,R=P,STARS 8+?	
H22-4	NGC 2467	Pup	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	
H22-7	NGC 2254	Mon	Open Cluster 12.0 I 1 m	CL,S,PC,IF,*11...13
Nov 25 2006	8"	11mmT6	VF,PS,LOOSE,R=F	
H23-3	NGC 3524	Leo	Galaxy S0/a	F,S,LE,PSBM,2*NPLINE
Apr 19 2007	31"	17mmT4	PB,PL,EON,BNUC,HISB,R=G	
H24-4	NGC 2023	Ori	Nebula R+E	B*IN M OF L,LE NEB
Jan 24 2009	31"	17mmT4	PF,PS, HINT OF NEBULOSITY,R=F	
Nov 21 2006	8"	11mmT6	PF,S,R=F	
H24-7	NGC 2112	Ori	Open Cluster 10.0 II 2 m n	CL,PL,LRI,PC,ST S
Nov 21 2006	8"	11mmT6	F,S,LOOSER,R=F	
H25-3	NGC 3177	Leo	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	
H26-6	NGC 1605	Per	Open Cluster 12.5 III 1 m	CL,VF,PS,C,ST ES
Oct 31 2010	12"	11mmT6	PF,PS,R=F	
H27-3	NGC 3605	Leo	Galaxy E4-5	F,S,R,SP OF 3
May 13 2007	8"	11mmT6	PF,PS,R,NND,R=F	
H27-8	NGC 2367	CMa	Open Cluster 9.4 II 3 m	CL,S,P,LC
Feb 10 2005	8"	11mmT6	MS,R,R=F, SMALL & TIGHT	
H28-6	NGC 2259	Mon	Open Cluster 14.0 II 1 p n	CL,CRI,EC,IF,ST ES
Nov 25 2006	8"	11mmT6	CB,S,LOSE,R=F	

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H28-6	NGC 2259	Mon	Open Cluster 14.0 II 1 p n	CL,CRI,EC,IF,ST ES
Nov 25 2006	8"	11mmT6	CB,S,LOSE,R=F	
H28.2-4	NGC 4039	Crv	Galaxy SA(s)m pec	PF,PL
Apr 13 2005	8"	7.5mmW	VF,VS,NND,AV,R=F	
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 20 2018	12"	11mmT6		
H29-6	NGC 7245	Lac	Open Cluster 12.8 II 2 m	CL,C,ST ES
Nov 13 2007	8"	11mmT6	PF,VVS,R=F	
H29.1-5	NGC 4395	CVn	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	
H30-5	NGC 1977	Ori	Open Cluster	42ORIONIS\$NEB
Feb 20 2006	31"	31mmT5	B,R=F, STARS LIGHT UP B.N., OIII	
H32-3	NGC 5490	Boo	Galaxy E	CF,CS,R,SBMF**
May 21 2009	16"	11mmT6	PF,PS,OVAL,UB,NND,R=F	
H32-4	NGC 1700	Eri	Galaxy E4	CB,S,MBM*
Dec 04 2004	8"	11mmT6	MB,EL,FNUC,MSB,R=G	
H33-1	NGC 4124	Vir	Galaxy SA(r)0+	PB,PL,ME118,BM,R
Apr 09 2008	8"	11mmT6	PF,PS,R,NND,LSB,R=F	
H34-5	NGC 1990	Ori	Nebula E+R	EL,E,EPSILONORI INVP
Mar 28 2011	12"	17mmAT	PF,PS,R=F,OIII FILTER, SOME NEBULOSITY?	
H34-7	NGC 1883	Aur	Open Cluster 14.0 II 1 m	CL,VF,PRI,PC,IF
Jan 26 2006	8"	19mmW	R=F, FAINT TIGHT GROUP	
H35-4	NGC 2610	Hya	Planetary Neb 4+2	F,S,ATTTO*13,*7NF
Mar 29 2006	8"	11mmT6	PF,PS,R=F	
H35-8	NGC 2374	CMa	Open Cluster 10.7 IV 2 p	CL,VL,PRI,LC,ST L
Feb 10 2005	8"	11mmT6	MB,ML,R=G	
H36-4	NGC 2071	Ori	Nebula R	D*10\$14 W/VF,L CHEV
Nov 21 2006	8"	11mmT6	PF,PS,R=F	
H36-5	NGC 206	And	Knot in Galaxy	VF,VL,ME0
Nov 10 2007	31"	17mmT4	DIFF,PF,CL,R=F,IRREGULAR SHAPE.	
H36-6	NGC 2432	Pup	Open Cluster II 2 m	CL,PL,PC,E0,ST L\$S
Mar 28 2011	12"	11mmT6	F,S,R=F,TIGHT IN A LINE	
H36-8	NGC 2396	Pup	Open Cluster 11.0 IV 1 m	CL,VL,VLC
Mar 28 2011	12"	11mmT6	PF,PS,LOOSE,R=F	
H37-8	NGC 2414	Pup	Open Cluster 8.2 I 3 m	CL,P,LC,ST9,\$C
Mar 28 2011	12"	11mmT6	F,PS,R=F,TIGHT	
H38-4	NGC 2182	Mon	Nebula R	PB**,L*NEB,E90
Mar 28 2011	12"	11mmT6	VF,VS,IRREGULAR,R=F, OIII	
H38-6	NGC 6804	Aql	Planetary Neb 4+2	CB,S,IR,RRR
Jul 03 2005	8"	11mmT6	VF,ML,AV,R=F	
Jul 25 2017	12"	11mmT6	VF,VS,R=F. USED LP2	
Sep 13 2009	12"	32mmUW	9TH OBJECT	
H39-5	NGC 3511	Crt	Galaxy SA(s)c	VF,VL,ME
Jun 07 2010	12"	11mmT6	CF,PS,EON,UB,NND,R=F	
Mar 01 2011	12"	11mmT6	PF,PS,EON,UB,NND,R=F	
H39-8	NGC 2302	Mon	Open Cluster 12.0 III 2 m	CL,L,P,LC

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H39-8	NGC 2302	Mon	Open Cluster 12.0 III 2 m	CL,L,P,LC
Apr 09 2008	8"	11mmT6	B,S,SPARSE,R=F	
H40-1	NGC 4941	Vir	Galaxy (R)SAB(r)ab:	PF,L,E,GBMBN,R
Apr 09 2008	8"	11mmT6	PF,CS,EL,OVAL,UB,NND,R=F	
H40-5	NGC 3513	Crt	Galaxy SB(rs)c	VF,VL,ME
Mar 01 2011	12"	11mmT6	PF,PS,OVAL,UB,NND,R=F	
H40-8	NGC 2331	Gem	Open Cluster 9.0 IV 2 m	CL,L,VLC,S CL INV
Apr 09 2008	8"	11mmT6	F,S,SCATTERED,R=F	
Nov 25 2006	8"	11mmT6	F,LOOSE GROUP,R=F	
H41-5	NGC 4244	CVn	Galaxy SA(s)cd: sp	PB,VL,EE43,VGBM
May 04 2005	8"	19mmW	MB,ML,EL,EON,FNUC,R=G	
H42-2	NGC 3547	Leo	Galaxy Sb:	F,S,LE,VLBM
Apr 19 2007	31"	17mmT4	PB,L,UB,NND,R=G	
H43-2	NGC 3162	Leo	Galaxy SAB(rs)bc	PF,CL,R,VGLBM,R,*INV
Apr 05 2005	8"	11mmT6	DIFF,VF,ML,OVAL,NND,AV,R=F	
H43-7	NGC 7419	Cep	Open Cluster 10.0 I 2 m	CL,PRI,CC
Nov 13 2007	8"	11mmT6	VF,VS,FAINT SMUDGE,R=F	
H43-8	NGC 1750	Tau	Open Cluster OCL	CL,ST L,VCSC
Dec 15 2004	8"	11mmT6	R,MSB,R=G	
H44-3	NGC 4647	Vir	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	
H46-2	NGC 3301	Leo	Galaxy SB0-a	CB,S,LE53,PSBM,R
Mar 06 2005	8"	11mmT6	MB,MS,EL,FNUC,MSB,R=G	
H46-4	NGC 5493	Vir	Galaxy S0 pec sp	PB,VS,R,PSMBM*,*18IN
May 19 2010	12"	7.5mmW	PF,CS,OVAL,MEXT,BNUC,R=G	
H47-4	NGC 4915	Vir	Galaxy E0	PB,S,R,BM
Apr 09 2008	8"	11mmT6	VF,VS,R,NND,AV,R=F	
H49-2	NGC 3599	Leo	Galaxy SA0:	B,PS,R,PGMBM
Apr 05 2005	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
H49-4	NGC 5507	Vir	Galaxy SAB(r)0^	CF,S,R,STELLAR
May 19 2010	12"	7.5mmW	PF,CS,OVAL,MEXT,FNUC,MR=G	
H49-5	NGC 1624	Per	Open Cluster II 1 p n	F,CL,IF,60R7*+NEB
Oct 31 2010	12"	11mmT6	PF,PS,R=F, BETTER GROUP	
H50-7	NGC 7067	Cyg	Open Cluster 11.2 II 1 p	CL,P,(NEB)
Jul 24 2006	8"	11mmT6	CF,VS,R=F	
H50-8	NGC 2252	Mon	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	
H51-5	NGC 4236	Dra	Galaxy SB(s)dm	VF,EL,ME160,VGBM
Sep 01 2005	8"	7.5mmW	MF,ML,NND,LSB,R=F	
H52-4	NGC 7635	Cas	Nebula E	VF,*8INV L EXCENTRIC
Aug 21 2004	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
Oct 05 2016	12"	11mmT6	VF,S,R=F. DETECTED SOME NEBULOSITY W/O OIII. LITTLE BETTER WITH OIII.	
H52-5	NGC 3359	UMa	Galaxy SB(rs)c	PB,L,E0,GLBM
Apr 09 2010	12"	11mmT6	PF,PS,OVAL,PEXT,FNUC,R=G	
H52-7	NGC 7082	Cyg	Open Cluster 9.9 IV 2 p	CL,L,CRI,LC,ST10..13
Jun 26 2004	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON	

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H52-7	NGC 7082	Cyg	Open Cluster 9.9 IV 2 p	CL,L,CRI,LC,ST10..13
Jun 26 2004	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON	
Nov 13 2007	8"	11mmT6	PF,PS,R=F	
H53-2	NGC 3659	Leo	Galaxy SB(s)m?	CF,S,LE,R
Apr 13 2005	31"	11mmT6	MB,ML,EL,OVAL,NND,MSB,R=G	
H53-8	NGC 6507	Sgr	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	
H54-7	NGC 2253	Cam	Open Cluster	VF,ST ES
Mar 28 2011	12"	5mm TV	NON-EXISTENT PER NGC/IC PROJECT.	
H55-7	NGC 7762	Cep	Open Cluster 11.0 II 2 m	CL,PRI,PC,*11...15
Nov 13 2007	8"	11mmT6	PF,PS,FAINT,R=F	
H55-8	NGC 6596	Sgr	Open Cluster II 2 m n	CL,LC
Aug 18 2010	12"	11mmT6	PF,PS,R=F,LOOSE GROUP,NEBULOSITY NOTED IN MIDDLE	
H57-7	NGC 2192	Aur	Open Cluster 14.0 II 2 m	CL,CL,C,IF,ST VS
Jan 26 2006	8"	19mmW	R=F, SMALL, LOOSE , GROUP	
H58-8	NGC 6997	Cyg	Open Cluster III 2 m n	CL,P,LC,ST L
Aug 23 2004	8"	11mmT6	DAMP - SEEING NOT TOO BAD.	
Jul 16 2004	8"	25mmPL	CLEAR - SEEING NOT TOO BAD	
Nov 13 2007	8"	11mmT6	PF,PS,LOOSE GROUP, R=F	
H59-1	NGC 2784	Hya	Galaxy SA(s)0⁺:	B,L,ME64,GMBM
Mar 16 2010	12"	11mmT6	PB,PS,OVAL,UB,FNUC,R=F	
H60-1	NGC 1332	Eri	Galaxy S(s)0-: sp	VB,S,E114,SMBMN
Nov 08 2010	12"	11mmT6	PF,PS,EON,LFNUC,MSB,R=G,PA=170	
H61-2	NGC 4294	Vir	Galaxy SB(s)cd	F,L,ME135,BIN,P OF 2
Apr 04 2005	8"	11mmT6	MF,EL,EON,NND,AV,R=F	
H61-8	NGC 1778	Aur	Open Cluster 10.1 III 2 p	CL,PC,LRI,IF,ST L
Dec 28 2006	1.9"	12x50	PF,PS,PATCHY,AV,UNRESOLVED,R=F	
Jan 26 2006	8"	19mmW	R=P FEW STARS	
H62-2	NGC 4299	Vir	Galaxy SAB(s)dm:	F,L,LE,VGBM,F OF 2
Apr 04 2005	8"	11mmT6	VF,OVAL,NND,AV,R=F	
H63-2	NGC 4313	Vir	Galaxy SA(rs)ab: sp	VF,L,E135,R
Apr 04 2005	8"	11mmT6	MF,EL,EON,NND,R=F	
H63-4	NGC 5204	UMa	Galaxy SA(s)m	PB,CL,IR,GMBM,R
Mar 01 2011	12"	11mmT6	PF,PS,OVAL,UB,NND,R=F	
H65-4	NGC 2346	Mon	Planetary Neb 3b+4	*10AFF W/ S,VF,NEB
Apr 09 2008	8"	11mmT6	PF,PS,NO CENTRAL STAR,R=F	
Feb 17 2012	18"	11mmT6	OIII FILTER - VERY NICE PLANETARY	
H66-1	NGC 2781	Hya	Galaxy SAB(r)0⁺	B,S,VLE,PSMBM
Mar 16 2010	12"	11mmT6	PB,PS,EON,BNUC,R=G	
H69-1	NGC 4902	Vir	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	
H69-2	NGC 4608	Vir	Galaxy SB(r)0⁺	PB,PL,R,PSBM,R,*NP1'
Apr 08 2005	8"	11mmT6	MF,MS,OVAL,FNUC,R=G	
H69-4	NGC 1514	Tau	Planetary Neb 3+2	*9IN NEB3'DIAM
Dec 04 2004	8"	11mmT6	VB,HISB,R=G	
H70-8	NGC 1582	Per	Open Cluster 9.0 IV 2 p	CL,VL,PRI,LC,ST L
Nov 04 2007	1.9"	12x50	PB,PL,LOOSE,R=F	

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H70-8	NGC 1582	Per	Open Cluster 9.0 IV 2 p	CL,VL,PRI,LC,ST L
Nov 04 2007	1.9"	12x50	PB,PL,LOOSE,R=F	
H71-1	NGC 5812	Lib	Galaxy E0	CB,S,R,SVMBM
Mar 18 2007	8"	11mmT6	PF,PS,OVAL,NND,R=F	
May 18 2014	18"	8mm Ds	PF,PS,R,FNUC,R=F	
H72-1	NGC 3254	LMi	Galaxy SA(s)bc	CB,L,ME45,PSMBMN
Mar 20 2007	8"	11mmT6	F,L,EON,NND,R=F	
H72-4	NGC 6888	Cyg	Nebula E	F,VL,VME,**ATT
Jul 24 2006	8"	25mmPL	PF,PL,PATCHEY,R=F	
Oct 12 2012	18"	17mmT4	FINE OBJECT IN JOHN'S 20" OBSESSION, OIII FILTER	
Oct 12 2012	36"	17mmT4	FINE NEBULA IN CYGNUS, OUTSTANDING OBJECT, OIII FILTER	
H74-4	NGC 7023	Cep	Nebula R	*7IN EF,EL,NEBY
Jul 08 2018	12"	17mmT4	B,L,R=E. IRIS NEBULA	
Nov 13 2007	8"	19mmW	PF,PS,HINT OF NEBULOSITY,R=F	
H74-8	NGC 7031	Cyg	Open Cluster 11.3 III 2 m	CL OF TRIP ST,LC
Jul 24 2006	8"	11mmT6	CF,CS,R=F	
H75-4	NGC 7129	Cep	Nebula IV 2 p n	CF,PL,GBM***
Nov 13 2007	8"	19mmW	PF,CS,LOOSE CLUSTER, HINT OF NEBULOSITY,R=F	
H76-2	NGC 5970	Ser	Galaxy SB(r)c	PF,PL,R,RR
Sep 05 2007	8"	11mmT6	PF,PS,OVAL,NND,AV,R=F	
H76-8	NGC 6991	Cyg	Open Cluster 5.7 III 2 n	CL,L,P,VLC
Nov 13 2007	8"	11mmT6	PB,PL,R=G,STARS=30+, 3 ROWS?	
H77-2	NGC 3338	Leo	Galaxy SA(s)c	F,CL,E,VGBM,*7P10S
Apr 26 2009	16"	17mmT4	PF,PS,EL,OVAL,UB,NND,R=F	
Mar 06 2005	8"	11mmT6	VF,MS,EL,OVAL,PATCHY,NND,AV,R=G	
May 15 2017	12"	7mm TV	VF,PS,OVAL,UB,NND,R=F	
H77-4	NGC 1325	Eri	Galaxy SA(s)bc	F,ME239,COM,*9.5ATT
Nov 08 2010	12"	7mm TV	PF,PS,EON,BNUC,MSB,R=G,PA=160	
H81-8	NGC 6793	Vul	Open Cluster III 2 p	CL,P,LC
Aug 18 2010	12"	11mmT6	PF,PS,R=F, STARS 10-12	
H83-2	NGC 4152	Com	Galaxy SAB(rs)c	PB,PL,R,PGMBM,R
Jun 09 2007	8"	11mmT6	PF,PS,OVAL,NND,AV,R=F	
H83-3	NGC 4880	Vir	Galaxy SA(r)0+:	CF,PL,R,VGLBM,R
Apr 09 2008	8"	11mmT6	VF,CS,R,NND,LSB,AV,R=F	
H84-8	NGC 1348	Per	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	
H85-1	NGC 5012	Com	Galaxy SAB(rs)c	PF,CL,E17,BIN,*9F
Apr 16 2009	16"	17mmT4	PF,PS,OVAL,UB,NND,R=F	
H85-2	NGC 4340	Com	Galaxy SB(r)0+	PB,S,R,PSBM
May 17 2005	31"	11mmT6	MB,PS,OVAL,NND,R=F	
H87-2	NGC 4379	Com	Galaxy S0- pec:	PS,R,PSBMN
Apr 16 2009	16"	17mmT4	VF,VS,R,NND,AV,R=F	
H94-3	NGC 4343	Vir	Galaxy SA(rs)b:	PF,S,E,(D)
Apr 09 2008	8"	11mmT6	PF,PS,EON,UB,NND,R=F	
Mar 30 2014	18"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F	
H102-2	NGC 3596	Leo	Galaxy SAB(rs)c	PF,L,R,GLBM
Mar 06 2005	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
H105-2	NGC 4168	Vir	Galaxy E2	PB,PL,IF,PSBM,R,*INV

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H105-2	NGC 4168	Vir	Galaxy E2	PB,PL,IF,PSBM,R,*INV
Apr 04 2005	8"	11mmT6	MB,OVAL,PATCH,NND,R=G	
H106-2	NGC 4189	Com	Galaxy SAB(rs)cd?	F,L,LE,VGLBM,R
Apr 16 2009	16"	17mmT4	PF,PS,OVAL,UB,NND,R=F	
H108-2	NGC 4212	Com	Galaxy SAc:	B,L,E107,G,SBM,R
Apr 16 2009	16"	17mmT4	PF,PS,OVAL,UB,NND,LSB,R=F	
H111-2	NGC 4298	Com	Galaxy SA(rs)c	F,L,E,VGBM,P OF 2
Apr 16 2009	16"	17mmT4	PF,VS,OVAL,UB,NND,R=F	
May 14 2017	12"	11mmT6	PF,PS,OVAL,UB,NND,R=G. PAIRED W/NGC4302	
H112-2	NGC 4302	Com	Galaxy Sc	L,VME177,F OF 2
Apr 16 2009	16"	17mmT4	PF,PS,EON,UB,NND,R=F	
May 14 2017	12"	11mmT6	PF,PS,EON,UB,NND,R=F. PAIRED W/NGC4398	
H118-1	NGC 3430	LMi	Galaxy SAB(rs)c	PB,L,IE,GBM,2ND OF 3
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	
May 15 2017	12"	7mm TV	PF,PS,OVALMUB,NND,R=F	
H120-1	NGC 3887	Crt	Galaxy SB(r)bc	PB,L,IR,VGPMBM
Mar 01 2011	12"	11mmT6	DIFF,PF,PS,OVAL,UB,NND,R=F	
H120-3	NGC 5605	Lib	Galaxy (R')SAB(rs)c p:	VF,PL,R,VGBM
May 28 2006	31"	19mmW	CF,PS,OVAL,NND,R=F	
H121-3	NGC 5595	Lib	Galaxy SAB(rs)c	F,PL,R,VGBM,P OF 2
May 28 2006	31"	19mmW	PF,PS,OVA,NND,R=F	
H122-1	NGC 1637	Eri	Galaxy SAB(rs)c	CB,L,R,VGBM
Nov 08 2010	12"	11mmT6	PF,PS,OVAL,UB,NND,R=F	
H122-3	NGC 5597	Lib	Galaxy SAB(s)cd	VF,L,VLE,VGLBM,F OF 2
May 28 2006	31"	19mmW	F,S,OVA,NND,R=F	
H125-1	NGC 4586	Vir	Galaxy SA(s)a: sp	PB,L,E,PSBM
Apr 08 2005	8"	11mmT6	MF,ML,EL,NND,R=G	
H125-2	NGC 4639	Vir	Galaxy SAB(rs)bc	PB,S,E,R,*12SF1'
Apr 08 2005	8"	11mmT6	MB,ML,OVAL,RNUC,R=G	
H127-1	NGC 5813	Vir	Galaxy E1-2	B,PS,R,PSMBM
Apr 09 2008	8"	11mmT6	PF,PS,OVAL,FNUC,MSB,R=G	
H129-2	NGC 5020	Vir	Galaxy SAB(rs)bc	CF,CL,VLE,LBM
Apr 09 2008	8"	11mmT6	PF,PS,R,FNUC,LSB,R=G	
H131-1	NGC 3672	Crt	Galaxy SA(s)c	PB,L,E0,GBM
Mar 01 2011	12"	7mm TV	PF,PS,OVAL,PEXT,UB,NND,R=F	
H132-1	NGC 2855	Hya	Galaxy (R)SA(rs)0/a	PB,PL,R,GMBMN
Mar 16 2010	12"	11mmT6	PB,PS,OVAL,UB,FNUC,R=F	
H133-1	NGC 4742	Vir	Galaxy E4:	PB,VS,VBMN=*11,*10SF
Apr 13 2005	8"	11mmT6	MF,MS,EL,FNUC,R=F	
H134-3	NGC 5523	Boo	Galaxy SA(s)cd:	F,PL,PME90,*10NP
May 21 2009	16"	11mmT6	PF,PS,EON,UB,NND,R=F	
H136-2	NGC 4224	Vir	Galaxy SA(s)a: sp	PB,PS,LE,GBM,R
Apr 09 2008	8"	11mmT6	PF,PS,EON,NND,LSB,R=F	
H138-1	NGC 5061	Hya	Galaxy E0	VB,S,R,VSMBM,*1OF
Mar 01 2011	12"	11mmT6	PF,PS,R,BNUC,R=G	
H138-2	NGC 4260	Vir	Galaxy SB(s)a	PB,E,PSBM
Apr 09 2008	8"	11mmT6	PF,PS,OVAL,UB,NND,R=F	

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H138-2	NGC 4260	Vir	Galaxy SB(s)a	PB,E,PSBM
Apr 09 2008	8"	11mmT6	PF,PS,OVAL,UB,NND,R=F	
Apr 14 2016	12"	11mmT6	DIFF,PS,,S,R,UB,NND,R=F	
H140-2	NGC 4264	Vir	Galaxy SB(rs)0+	F,PS,R,GBM
Apr 09 2008	8"	11mmT6	VF,VS,R,NND,AV,R=F	
H141-3	NGC 6907	Cap	Galaxy SBbc	CF,CL,VLE,VGLBM,3STP
Sep 19 2004	8"	7.5mmW	VF,PATCH,,NND,AV,R=F	
H143-2	NGC 4339	Vir	Galaxy E0	B,PL,R,BM,3RD OF 3
Apr 09 2008	8"	11mmT6	PF,PS,R,FNUC,MSB,R=G	
H143-3	NGC 6717	Sgr	Globular	F,S,RR,CL+NEB
Jun 19 2004	8"	7.5mmW	GOOD NIGHT - MEGASTAR	
H144-3	NGC 6857	Cyg	Nebula HII	F,AM MILKY WAY ST
Aug 02 2005	8"	19mmW	MB,VL,HISB,R=G	
H147-3	NGC 23	Peg	Galaxy SB(s)a	3S*+NEB
Sep 15 2004	8"	7.5mmW	EF,OVAL,PATCH,NND,AV,R=F	
Sep 24 2016	12"	8mm Et	F,S,R,UB,NND,R=F	
H148-2	NGC 4612	Vir	Galaxy (R)SAB0^	PB,S,R,PSMBM
Apr 08 2005	8"	11mmT6	MB,MS,OVAL,RNUC,R=G	
H150-3	NGC 604	Tri	Knot in Galaxy	B,VS,R,VVLBM
Nov 10 2007	31"	17mmT4	VB,PS,COMPACT RECTANGULAR,R=G	
H151-2	NGC 6106	Her	Galaxy SA(s)c	F,PL,LE,VGBM,R
Oct 17 2004	8"	7.5mmW	VF,EL,NND,AV,R=F	
H152-1	NGC 821	Ari	Galaxy E6?	PB,VS,VLE,SVMBM,*NP
Sep 04 2005	8"	11mmT6	MF,MS,OVAL,FNUC,R=G	
H152-3	NGC 1012	Ari	Galaxy S0/a?	F,PS,IR,BM,ST INV
Sep 04 2005	8"	11mmT6	MF,MS,OVARL,NND,R=F	
H157-1	NGC 672	Tri	Galaxy SB(s)cd	F,PL ,ME80
Nov 09 2004	8"	11mmT6	VF,EL,NND,AV,R=F	
Nov 10 2007	31"	17mmT4	PB,CL,EON,UB,NND,R=G	
Nov 24 2006	31"	20mmUWB	PL,EON,UB,NND,R=F	
Oct 29 2008	16"	17mmT4	PF,PS,EON,FNUC,R=F	
H158-1	NGC 1600	Eri	Galaxy E3	PB,PL,R,GMBM
Nov 08 2010	12"	11mmT6	PF,LPS,R,FNUC,MSB,R=F	
H158-2	NGC 4519	Vir	Galaxy SB(rs)d	F,PL,R,BM,R
May 14 2007	31"	17mmT4	DIFF,PF,PL,OVAL,NND,R=F	
H158-3	NGC 499	Psc	Galaxy S0-	PB,PL,R,3RD OF 3
Nov 10 2007	31"	17mmT4	PB,PL,OVAL,BNUC,HSB,R=G	
H159-2	NGC 3681	Leo	Galaxy SAB(r)bc	B,PS,R,BM
Apr 20 2018	12"	11mmT6		
May 13 2007	8"	11mmT6	CF,CS,R,NND,AV,R=P	
H162-3	NGC 1060	Tri	Galaxy S0-	F,PL,R,LBM,*F46S,3'S
Nov 10 2007	31"	17mmT4	PB,PL,OVAL,FNUC,R=F	
H166-1	NGC 4369	CVn	Galaxy (R)SA(rs)a	CB,S,R,MBMN,R
Mar 26 2009	16"	17mmT4	PF,PS,OVAL,USB,R=F	
H166-2	NGC 4267	Vir	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	
H169-3	NGC 513	And	Galaxy S?	F,S,STELLAR

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H169-3	NGC 513	And	Galaxy S?	F,S,STELLAR
Nov 10 2007	31"	17mmT4	PB,PS,OVAL,FNUC,R=F	
H174-1	NGC 4062	UMa	Galaxy SA(s)c	PB,VL,ME97,VGBM
Mar 28 2011	12"	7mm TV	PF,PS,OVAL,PEXT,R=G,BRIGHTER TOWARDS THE MIDDLE	
H177-2	NGC 5600	Boo	Galaxy Sc pec	PB,PS,GBM
Aug 03 2008	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
Jul 01 2016	12"	8mm Et	PF,PS,OVAL,UB,NND,R=F	
H177-3	NGC 925	Tri	Galaxy SAB(s)d	CF,CL,E,VGBM,2*13NP
Aug 21 2004	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
Nov 10 2007	31"	17mmT4	DIFF,B,PL,OVAL,NND,R=F	
Oct 29 2008	16"	17mmT4	PF,PS,OVAL,NND,LSB,R=F	
H181-1	NGC 5383	CVn	Galaxy (R')SB(rs)b: p	CB,CL,R,GBM
Mar 28 2011	12"	7mm TV	PF,PS,R,FNUC,R=G	
H182-2	NGC 4691	Vir	Galaxy (R)SB(s)0/a pec	PB,PL,E90,MBM
Apr 09 2008	8"	11mmT6	PF,PS,R,FNUC,MSB,R=G	
H183-1	NGC 5750	Vir	Galaxy SB(r)0/a	PF,PS,VLE,R
May 19 2010	12"	7.5mmW	CF,PS,OVAL,UB,NND,R=F	
H184-1	NGC 5728	Lib	Galaxy SAB(r)a:	PF,PL,PME45,MBM,*10S
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	
H189-2	NGC 4981	Vir	Galaxy SAB(r)bc	B,PL,R,*10SF1'
Apr 09 2008	8"	11mmT6	PF,CS,R,NND,LSB,R=F	
H190-2	NGC 4928	Vir	Galaxy SA(s)bc pec	F,PS,VLE,GLBM
Apr 09 2008	8"	11mmT6	VF,PL,OVAL,NND,LSB,R=F	
H190-3	NGC 7832	Psc	Galaxy E+	VF,VS,R,VGPSMBM,2*SF
Nov 10 2007	31"	17mmT4	PB,L,OVA,,NND,R=F	
H192-2	NGC 5861	Lib	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	
H193-2	NGC 5077	Vir	Galaxy E3-4	PB,S,VLE,SBM,2ND OF3
Apr 09 2008	8"	11mmT6	PF,PS,OVAL,UB,FNUC,R=G	
H194-2	NGC 5548	Boo	Galaxy (R')SA(s)0/a	CF,PS,R,VSVMBM*
May 13 2007	8"	11mmT6	PF,PS,R,NND,R=F	
H196-1	NGC 4138	CVn	Galaxy SA(r)0+	B,PL,E,VGBM,*NP
Mar 26 2009	16"	17mmT4	PB,PS,OVAL,FNUC,R=F	
H204-1	NGC 2639	UMa	Galaxy (R)SA(r)a:?	CB,S,E130,PSMBM
Mar 16 2010	12"	11mmT6	PB,PS,OVAL,UB,NND,R=F	
H207-1	NGC 4096	UMa	Galaxy SAB(rs)c	PB,VL,ME32
Mar 01 2011	12"	11mmT6	PF,PS,EON,FNUC,R=F	
H208-1	NGC 4157	UMa	Galaxy SAB(s)b? sp	PF,CL,VME60,(DOUBLE)
Aug 06 2010	12"	7mm TV	PF,PS,EON,UB,NND,R=F	
Mar 16 2012	18"	8.8 ES	PFB,PS,EON,FNUC,R=F, A.L. FLAT GALAXY	
H209-1	NGC 4220	CVn	Galaxy SA(r)0+	CB,PL,PME134,PSBM
Mar 26 2009	16"	17mmT4	PF,PS,EL,OVAL,FNUC,USB,R=F	
H209-2	NGC 214	And	Galaxy SAB(r)c	PF,PS,GVLBM,R
Nov 03 2004	8"	11mmT6	VF,EL,NND,AV,R=F	
Oct 05 2016	12"	8mm Et	PF,S,R,UB,NND,R=G. MIRACH'S GHOST	
H209-3	NGC 7042	Peg	Galaxy Sb	VF,S,R
Aug 21 2015	12"	8mm Ds		

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H209-3	NGC 7042	Peg	Galaxy Sb	VF,S,R
Aug 21 2015	12"	8mm Ds		
Oct 06 2004	8"	7.5mmW	VF,OVAL,FNUC,R=G	
Sep 24 2016	12"	8mm Et	F,S,OVAL,MEXT,UB,NND,R=F	
H210-2	NGC 315	Psc	Galaxy E+:	PB,PL,R,GBM,*9NF3'
Oct 09 2007	8"	11mmT6	PF,PS,OVAL,NND,R=F	
H210-3	NGC 7463	Peg	Galaxy SABb: pec	VF,S,LE,P OF 2
Nov 02 2010	31"	17mmT4	PF,S,EON,UB,HSB,R=G	
Oct 15 2006	31"	19mmW	PF,PL,EON,NND,R=F	
Oct 26 2014	12"	8mm Ds	VF,PS,EON,UB,NND,AVII,R=F	
Sep 10 2015	12"	8mm Ds	PF,PS,OVAL,PEXT,UB,NND,R=F	
H211-3	NGC 7465	Peg	Galaxy (R')SB(s)0^:	VF,VS,FOF 2
Nov 02 2010	31"	17mmT4	F,S,R,BNUC,R=G	
Oct 15 2006	31"	19mmW	B,PL,OVAL,FNUC,R=G	
Oct 26 2014	12"	8mm Ds	PF,PS,OVAL,UB,NND,R=F	
Sep 10 2015	12"	8mm Ds	PF,PS,OVAL,UB,NND,R=F	
H212-2	NGC 7457	Peg	Galaxy SA(rs)0-?	CB,CL,LE,GMBM,R,2S*N
Oct 15 2006	31"	19mmW	F,L,OVAL,NND,R=F	
Sep 19 2004	8"	7.5mmW	F,EL,UB,NND,R=G	
Sep 24 2016	12"	8mm Et	F,S,OVAL,MEXT,UB,NND,R=G	
H217-1	NGC 1579	Per	Nebula R	PB,VL,IR,MBM,*8 2'NF
Oct 12 2012	18"	7mm TV	PF,S,NICE NEBULA,OIII NO HELP.R=G, FOUND LOOING FOR PAL2	
Oct 31 2010	12"	11mmT6	PF,PS,R=F. FILTER NO HELP	
H220-2	NGC 410	Psc	Galaxy E+:	PB,PL,NF OF 2
Oct 09 2007	8"	11mmT6	CF,CS,OVAL,NND,R=F	
H223-3	NGC 171	Cet	Galaxy SB(r)ab	VF,PL,LE,2PB*SF
Dec 16 2009	12"	7.5mmW	VF,PS,R,NND,R=F	
H225-2	NGC 890	Tri	Galaxy SAB(r)0-?	B,S,R,BM,3F*SP
Nov 09 2004	8"	11mmT6	MF,EL,OVAL,NND,MSB,R=G	
Nov 10 2007	31"	17mmT4	PB,PS,OVAL,BNUC,HSB,R=G	
Oct 29 2008	16"	17mmT4	PF,PS,OVAL,UB,NND,R=F	
H232-1	NGC 5485	UMa	Galaxy SA0 pec	CB,R,VGBM,F OF 2
Mar 18 2007	8"	11mmT6	PF,PS,R,NND,AV,R=F	
H233-2	NGC 7332	Peg	Galaxy S0 pec sp	CB,S,ME156,SMBMN,P-2
Aug 21 2004	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
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	
Sep 14 2012	36"	17mmT4	F,S,EON,BNUC,HSB,R=E, VERY NEAR NGC-7339	
Sep 24 2016	12"	8mm Et	F,S,EON,BNUC,R=G	
H235-1	NGC 5585	UMa	Galaxy SAB(s)d	PF,L,IR,VGMBM,R
Mar 01 2011	12"	11mmT6	CF,PS,OVAL,MEXT,UB,NND,R=F	
H238-2	NGC 1003	Per	Galaxy SA(s)cd	PF,L,E90,MBM,R
Nov 09 2004	8"	7.5mmW	VF,EL,EON,NND,AV,R=G	
H239-2	NGC 1161	Per	Galaxy S0	F,PS,LE,SBM
Nov 09 2004	8"	7.5mmW	MB,EL,EON,FNUC,MSB,R=G	
Oct 25 2009	12"	7.5mmW	PF,PS,OVAL,FNUC,R=F	
H240-2	NGC 7814	Peg	Galaxy SA(s)ab: sp	CB,CL,E,VGBM
Aug 21 2004	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	

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H240-2	NGC 7814	Peg	Galaxy SA(s)ab: sp	CB,CL,E,VGBM
Aug 21 2004	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
Aug 21 2015	12"	8mm Ds		
Aug 25 2009	16"	11mmT6	PF,PS,EON,FNUC,R=F	
Jul 23 2006	8"	11mmT6	CF,CS,OVAL,NND,AV,R=F	
Nov 10 2007	31"	17mmT4	PB,PL,EL,OVAL,UB,NND,R=G	
Oct 30 2008	16"	17mmT4	PF,PS,OVAL,UB,NND,R=F	
Sep 24 2016	12"	8mm Et	B,S,EON,FNUC,R=G	
H245-1	NGC 3642	UMa	Galaxy SA(r)bc:	PB,PL,R,VGBM
Mar 17 2007	8"	11mmT6	F,PL,OVAL,NND,R=F	
H245-3	NGC 1187	Eri	Galaxy SB(r)c	PF,CL,PME,GBM*16,R
Jan 26 2006	8"	11mmT6	MF,MS,OVAL,NND,R=F	
H246-1	NGC 3683	UMa	Galaxy SB(s)c?	CB,PL,E
Mar 28 2011	12"	5mm TV	VF,PS,OVAL,UB,NND,AV,R=F	
H246-3	NGC 1353	Eri	Galaxy SB(rs)b:	PB,CL,IE,MBM
Nov 08 2010	12"	11mmT6	PF,PS,OVAL,MEXT,UB,HSB,R=G	
H247-2	NGC 7177	Peg	Galaxy SAB(r)b	PB,PS,R,BMN,R,*SP
Jul 21 2004	8"	25mmPL	SHORT NIGHT - CLOUDS ROLLED IN.	
Sep 01 2011	31"	17mmT4	PB,PS,OVAL,PEXT,BNUC,R=G	
Sep 24 2016	12"	8mm Et	PF,PS,OVAL,UB,NND,R=G	
H252-2	NGC 514	Psc	Galaxy SAB(rs)c	F,L,LE,VGLBM,**F
Oct 09 2007	8"	11mmT6	DIF,PF,PS,OVAL,NND,AV,R=F	
H253-2	NGC 660	Psc	Galaxy SB(s)a pec	PB,PL,E,BM,R
Oct 09 2007	8"	11mmT6	PF,PL,EL,OVAL,NND,R=F	
H254-1	NGC 4605	UMa	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	
H255-1	NGC 5308	UMa	Galaxy S0- sp	B,PL,ME57,PSMBEN
Mar 01 2011	12"	11mmT6	PF,CS,EON,FNUC,R=G	
H255-2	NGC 7742	Peg	Galaxy SA(r)b	CB,CS,GMBM,*12F72"
Sep 19 2004	8"	7.5mmW	B,EL,OVAL,NND,R=G	
H255-3	NGC 3156	Sex	Galaxy S0:	F,CS,R,PSBM,*9,10SF2
Mar 28 2011	12"	7mm TV	PF,CS,OVAL,PEXT,FNUC,R=G,PA=45	
H258-1	NGC 1491	Per	Nebula E	VB,S,IF,BM,R,*INV
Oct 31 2010	12"	11mmT6	PF,S,R=G,UHC FILTER,IRREGULAR IN SHAPE	
H260-1	NGC 2880	UMa	Galaxy SB0-	B,CS,R,MBM,AM ST
Mar 04 2006	8"	11mmT6	PF,PS,R,NND,R=F	
H262-1	NGC 3682	Dra	Galaxy SA(s)0/a:?	CB,S,IR,SPMBMN
Aug 31 2010	12"	7mm TV	PF,CS,OVAL,MEXT,UB,NND,R=F. PA=75	
H264-1	NGC 4250	Dra	Galaxy SAB(r)0+	PB,S,R,PGBM
Aug 06 2010	12"	7mm TV	PF,CS,OVAL,UB,NND,R=F	
Aug 12 2010	12"	7mm TV	CF,PS,OVAL,UB,NND,R=F	
H264-2	NGC 2139	Lep	Galaxy SAB(rs)cd	F,S
Nov 22 2006	8"	11mmT6	VF,PS,OVAL,NND,R=F	
H265-2	NGC 2196	Lep	Galaxy (R')SA(s)a	PF,PS,VLE,PMBM,ST NR
Nov 22 2006	8"	11mmT6	VF,PS,OVAL,NND,AV,R=F	
H268-2	NGC 3078	Hya	Galaxy E2-3	PB,S,R,MBM
Apr 08 2005	8"	7.5mmW	MF,ML,OVAL,FNUC,R=G	
H269-2	NGC 3585	Hya	Galaxy E6	B,PL,E,VSMBMN,2B*TRI

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H269-2	NGC 3585	Hya	Galaxy E6	B,PL,E,VSMBMN,2B*TRI
Mar 29 2006	8"	11mmT6	B,L,OVAL,FNUC,R=F	
H270-2	NGC 718	Psc	Galaxy SAB(s)a	PB,S,IR,PSMBM
Oct 09 2007	8"	11mmT6	PF,PS,R,UB,NND,R=F	
H271-2	NGC 741	Psc	Galaxy E0:	PF,S,R,POF2,POS102
Oct 09 2007	8"	11mmT6	PF,PS,R,UB,NND,R=F	
H271-3	NGC 2283	CMa	Galaxy SB(s)cd	3OR4S*+NEB
Feb 10 2005	8"	11mmT6	MB,ML,OVAL,PATCHY,FNUC,R=G	
H273-2	NGC 1070	Cet	Galaxy Sb	PF,S,IR,GBM
Nov 02 2005	31"	19mmW	PB,PL,OVAL,FNUC,MSB,R=G	
H275-1	NGC 4291	Dra	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	
H276-1	NGC 4319	Dra	Galaxy SB(r)ab	PB,PS,VLE,SBM
Jul 14 2010	12"	7.5mmW	CF,PS,R,UB,LSB,R=F	
H276-2	NGC 4045	Vir	Galaxy SBa	PF,L,R,SBM,*SF
Apr 04 2005	8"	11mmT6	VF,OVAL,NND,AV,R=F	
Mar 08 2010	12"	11mmT6	PF,PS,OVAL,MEXT,UB,NND,R=F	
May 30 2016	12"	8mm Ds	VF,VS,OVAL,MEXT,UB,NND,AV2R=F	
H277-2	NGC 4073	Vir	Galaxy E+	F,PS,R,PGBM,NP OF 2
Apr 04 2005	8"	11mmT6	VF,OVAL,NND,AV,R=F	
H278-1	NGC 4133	Dra	Galaxy SABb:	PB,CL,R,GMBM
Aug 12 2010	12"	7mm TV	VF,VS,OVAL,MEXT,NND,AV,R=P	
Aug 31 2010	12"	7mm TV	CF,PS,OVAL,EXT,UB,NND,R=F. PA=70	
H279-2	NGC 1507	Eri	Galaxy SB(s)m pec?	VF,PL,ME,VLBM,ER
Nov 08 2010	12"	11mmT6	PF,PS,EON,UB,NND,R=F	
H283-2	NGC 636	Cet	Galaxy E3	PB,VS,R,MBM,R
Nov 10 2007	31"	17mmT4	PB,PS,OVAL,BNUC,R=G	
H284-2	NGC 1035	Cet	Galaxy SA(s)c?	PF,L,ME,R,*17ATT SF
Nov 13 2007	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
H291-2	NGC 1421	Eri	Galaxy SAB(rs)bc:	F,CL,ME0,R
Nov 08 2010	12"	11mmT6	PF,PS,OVAL,UB,NND,R=G,PA=40	
H292-2	NGC 1832	Lep	Galaxy SB(r)bc	PB,IR,MBM,C*NF1'
Nov 22 2006	8"	11mmT6	VF,PL,OVAL,NND,AV,R=F	
H295-2	NGC 4024	Crv	Galaxy SAB0-	F,VS,IF,BM
Mar 18 2007	8"	11mmT6	PF,PS,R,NND,AV,R=F	
H301-2	NGC 4984	Vir	Galaxy (R)SAB(rs)0+	B,PL,R,PSMBM
Apr 09 2008	8"	11mmT6	PB,PS,OVAL,FNUC,MSB,R=G	
H304-2	NGC 2316	Mon	Nebula E+R	PF,S,R,R,S ST INV
Mar 28 2011	12"	11mmT6	PF,VS,R=F,OIII	
H306-3	NGC 5056	Com	Galaxy Scd:	CF,CS,R,SP OF 2
Apr 16 2009	16"	17mmT4	VF,PS,OVAL,UB,NND,AV,R=F	
H309-2	NGC 5426	Vir	Galaxy SA(s)c pec	PF,CL,R,GMBM,SP OF 2
Apr 09 2008	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
May 23 2012	18"	8.8 ES	PB,PS,OVAL,FNUC,MSB,R=G,PA=5, PAIRED WITH NGC-5427	
May 30 2016	12"	8mm Ds	VF,VS,OVAL,NND,R=F. PAIRED W/NGC-5427	
H311-2	NGC 2986	Hya	Galaxy E2	PB,PS,IR,MBM
Apr 08 2005	8"	7.5mmW	VF,VS,OVAL,NND,R=F	

Herschel 400 (II) Observations

H311-2	NGC 2986	Hya	Galaxy E2	PB,PS,IR,MBM
Apr 08 2005	8"	7.5mmW	VF,VS,OVAL,NND,R=F	
H312-2	NGC 5068	Vir	Galaxy SAB(rs)cd	F,L,IR,BM
Apr 09 2008	8"	11mmT6	DIFF,VF,PL,R,NND,AV,R=F	
Apr 26 2009	16"	11mmT6	PF,PL,R,UB,NND,R=F	
Jun 23 2004	8"	25mmPL	QUARTER MOON, LEFT @1:30AM.	
H313-2	NGC 5084	Vir	Galaxy S0 sp	CB,CS,VLE90,BF
Apr 09 2008	8"	11mmT6	PF,PL,EON,UB,FNUC,R=G	
H314-2	NGC 5134	Vir	Galaxy SA(s)b?	F,PS,LE,VGBM
Apr 09 2008	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
H321-2	NGC 4136	Com	Galaxy SAB(r)c	F,VL,VGMBM
Apr 16 2009	16"	17mmT4	PF,PS,R,UB,NND,R=G	
Jun 09 2007	8"	11mmT6	PF,PS,R,NND,AV,R=F	
H333-2	NGC 3065	UMa	Galaxy SA(r)0^	PF,VS,R,BM,*11NR
Mar 28 2011	12"	5mm TV	VF,PS,R,UB,NND,AV,R=F	
H336-2	NGC 3516	UMa	Galaxy (R)SB(s)0^:	PB,VS,IR,PSMBM*
Jul 14 2010	12"	7.5mmW	PF,CS,OVAL,FNUC,R=F	
H339-2	NGC 3689	Leo	Galaxy SAB(rs)c	PB,PL,LE,BM
Apr 14 2016	12"	8mm Ds	PF,PS,OVAL,MEXT,NND,R=F	
May 13 2007	8"	11mmT6	F,VS,R,NND,AV,R=F	
H358-2	NGC 3274	Leo	Galaxy SABd?	F,PL,R,GLBM,D* F
Apr 05 2005	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
H358-3	NGC 4169	Com	Galaxy S0	F,S,1ST OF 4
Apr 16 2009	16"	17mmT4	PF,PS,OVAL,UB,NND,R=F	
H373-2	NGC 4185	Com	Galaxy Sbc	CF,L,R,GBM
Apr 16 2009	16"	17mmT4	VF,PS,OVAL,NND,AV,R=F	
H378-2	NGC 4310	Com	Galaxy SB0	F,CL,LE,N OF 2
Apr 16 2009	16"	17mmT4	VF,VS,OVAL,NND,AV,R=F	
H406-2	NGC 4336	Com	Galaxy SB0/a	VF,PL,IR,(BIN)
Apr 16 2009	16"	17mmT4	VF,PS,R,UB,NND,R=F	
H413-2	NGC 4956	CVn	Galaxy S0	PB,CS,R,SMBM
Mar 28 2011	12"	7mm TV	PF,CS,R,FNUC,R=F	
H413-3	NGC 5445	CVn	Galaxy S0?	F,*13P
Mar 28 2011	12"	7mm TV	CF,CS,OVAL,VEXT,UB,NND,R=F	
H414-3	NGC 5529	Boo	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	
H416-2	NGC 5440	CVn	Galaxy Sa	PF,CS,LE,BM,*11SP
Mar 28 2011	12"	7mm TV	PF,PS,OVAL,VEXT,FNUC,R=G	
H417-2	NGC 5444	CVn	Galaxy E+:	PB,PL,IVLE,VSMBM
Mar 28 2011	12"	7mm TV	DIFF,CF,PS,OVAL,MEXT,UB,R=F	
H417-3	NGC 5590	Boo	Galaxy S0	CF,S,R,BM*,SF OF 2
Apr 26 2009	16"	11mmT6	CF,CS,R,UB,NND,R=F	
H418-2	NGC 5533	Boo	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	
H430-2	NGC 7541	Psc	Galaxy SB(rs)bc: pec	B,L,ME97,MBM,NF OF 2
Oct 09 2007	8"	11mmT6	PB,PS,EON,UB,NND,R=F	

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H430-2	NGC 7541	Psc	Galaxy SB(rs)bc: pec	B,L,ME97,MBM,NF OF 2
Oct 09 2007	8"	11mmT6	PB,PS,EON,UB,NND,R=F	
H431-2	NGC 7600	Aqr	Galaxy S0- sp	CF,S,R,PSMBM
Aug 21 2004	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
Nov 13 2007	8"	11mmT6	PF,PS,R,NND,R=F	
H433-2	NGC 337	Cet	Galaxy SB(s)d	PF,L,E,GLBM,*10F21S
Nov 10 2007	31"	17mmT4	PB,PL,OVAL,UB,NND,R=G	
H434-2	NGC 357	Cet	Galaxy SB(r)0/a:	F,S,IR,SBM,*14NF20"
Nov 10 2007	31"	17mmT4	PB,PS,OVAL,BNUC,R=G	
H434-3	NGC 991	Cet	Galaxy SAB(rs)c	VF,CL,IF,VLBM
Dec 16 2009	12"	7.5mmW	VF,PS,R,UB,NND,AV,R=F	
H435-3	NGC 7623	Peg	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	
H439-2	NGC 7619	Peg	Galaxy E	CB,PS,R,PSBM
Aug 21 2004	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
Aug 25 2011	12"	7mm TV	PF,PS,R,FNUC,R=G	
Oct 24 2012	18"	7mm TV	F,PS,OVAL,FNUC,HSB,R=G	
Oct 26 2014	12"	11mmT6	PF,PS,R,UB,NND,R=F	
Oct 30 2005	31"	17mmT4	VB,ML,R,FNUC,MSB,R=G	
Sep 10 2015	12"	7mm TV	PF,PS,OVAL,UB,NND,R=F	
Sep 10 2015	36"	17mmT4	F,S,UB,NND,R=G	
H440-2	NGC 7626	Peg	Galaxy E pec:	CB,PS,R,PSBM
Aug 21 2004	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
Aug 25 2011	12"	7mm TV	PF,PS,R,FNUC,R=G	
Oct 26 2014	12"	11mmT6	PF,PS,R,UB,NND,R=F	
Oct 30 2005	31"	17mmT4	VB,ML,R,FNUC,MSB,R=G	
Sep 10 2015	12"	7mm TV	PF,PS,OVAL,FNUC,R=F	
Sep 10 2015	36"	17mmT4	SHOWS DIAGONAL BART IN 36". R=G	
H449-3	NGC 1114	Eri	Galaxy SA(r)c	PF,PL,PME,GLBM
Nov 08 2010	12"	5.5mmN	VF,CS,PEXT,UB,NND,R=F,PA=100	
H452-3	NGC 7156	Peg	Galaxy SAB(rs)cd:	F,PL,R,BM,R
Jul 27 2009	16"	11mmT6	PF,PS,OVAL,UB,NND,R=F	
H453-3	NGC 1762	Ori	Galaxy SA(rs)c:	VF,VS
Apr 09 2008	8"	11mmT6	PF,PS,OVAL,NND,USB,R=F	
H455-3	NGC 1073	Cet	Galaxy SB(rs)c	VF,L,LBM,ER
Nov 13 2007	8"	11mmT6	VF,VS,R,NND,AV,R=F	
H461-3	NGC 24	ScI	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.	
H465-2	NGC 1090	Cet	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	
H466-2	NGC 1087	Cet	Galaxy SAB(rs)c	PB,CL,LE,MBM
Oct 31 2010	12"	5.5mmN	PF,PS,OVAL,UB,NND,R=F,PA=80	
H467-2	NGC 7562	Psc	Galaxy E2-3	CB,PS,IR,PSBM
Oct 09 2007	8"	11mmT6	PB,PS,OVAL,FNUC,R=F	
H468-2	NGC 7785	Psc	Galaxy E5-6	PB,PS,IR,PSBM,R,*8P
Oct 09 2007	8"	11mmT6	CF,PS,OVAL,UB,NND,R=F	
H469-3	NGC 1162	Eri	Galaxy E:	F,R,GLBM,STELLAR

Herschel 400 (II) Observations

H469-3	NGC 1162	Eri	Galaxy E:	F,R,GLBM,STELLAR
Nov 08 2010	12"	5.5mmN	VF,CS,OVAL,UB,NND,AV2,R=F	
H478-2	NGC 151	Cet	Galaxy SBbc	PF,PL,LE90,VGLBM
Nov 10 2007	31"	17mmT4	PB,PL,OVAL,FNUC,HSB,R=G	
H480-2	NGC 217	Cet	Galaxy S0/a: sp	F,S,LE90,GLBM
Nov 10 2007	31"	17mmT4	PB,PS,EON,FNUC,R=G	
H480-3	NGC 4241	Vir	Galaxy SA(s)0+:	VF,L,VGBM,*7S
Apr 09 2008	8"	11mmT6	PF,PS,OVAL,LSB,AV,R=F	
H488-2	NGC 1045	Cet	Galaxy SA0- pec?	F,S,R,BM
Nov 08 2010	12"	11mmT6	CF,PS,EON,FNUC,R=F,PA=115	
H492-2	NGC 3067	Leo	Galaxy SAB(s)ab?	PB,PL,E106,GBM,*94'P
Apr 05 2005	8"	11mmT6	MF,MS,EL,OVAL,NND,R=F	
H494-2	NGC 3424	LMi	Galaxy SB(s)b: ?	PF,PL,LE,SP OF 3
Mar 28 2011	12"	7mm TV	PF,CS,EON,UB,NND,R=F,PA=120	
Mar 30 2014	18"	7mm TV	DIFF,PF,PS,R,UB,NND,R=F	
May 15 2017	12"	7mm TV	PF,PS,OVAL,VEXT,UB,NND,R=G	
H496-2	NGC 4233	Vir	Galaxy S0^	PF,R,VSBSMN
Apr 09 2008	8"	11mmT6	PF,CS,OVAL,FNUC,LSB,R=F	
H500-3	NGC 1779	Eri	Galaxy (R')SAB(r)0/a?	PB,S,R,GPMBM
Nov 24 2006	8"	11mmT6	PF,PS,OVAL,NND,AV,R=F	
H502-2	NGC 1172	Eri	Galaxy E+:	PF,PL,R,PSBM
Jan 26 2006	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
H503-2	NGC 1199	Eri	Galaxy E3:	CB,PS,IR,SMBM
Jan 26 2006	8"	11mmT6	VF,VS,R,NND,AV,R-F	
H504-2	NGC 1209	Eri	Galaxy E6:	B,S,CE,PSBM
Nov 08 2010	12"	7mm TV	PF,PS,OVAL,PEXT,FNUC,MSB,R=F	
H510-2	NGC 5037	Vir	Galaxy SA(s)a:	CF,PS,VLE,BM
Apr 09 2008	8"	11mmT6	VF,VS,EON,NND,AV,R=F	
H511-2	NGC 5044	Vir	Galaxy E0	PB,PL,R,BM
Apr 09 2008	8"	11mmT6	PF,CS,R,FNUC,MSB,R=G	
H517-2	NGC 4904	Vir	Galaxy SB(s)cd	PB,PS,R,BM
Apr 09 2008	8"	11mmT6	VF,CS,R,NND,AV,R=F	
H518-3	NGC 3145	Hya	Galaxy SB(rs)bc	F,PL,R,VGSLBM
Mar 15 2005	8"	11mmT6	VB,ML,EL,EON,R=G	
Mar 29 2006	8"	11mmT6	B,L,EON,FNUC,R=F	
H520-2	NGC 2765	Hya	Galaxy S0	VF,PL,E,GBM,ER
Mar 29 2006	8"	11mmT6	PF,PS,OVAL,NND,AV,R=F	
H521-2	NGC 3611	Leo	Galaxy SA(s)a pec	PF,CS,IR,PSMBM,*NP3'
Apr 09 2008	8"	11mmT6	PF,PS,OVAL,NND,LSB,R=F	
H524-2	NGC 1618	Eri	Galaxy SB(r)b:	F,S,IF,LBM,2*SF
Nov 08 2010	12"	11mmT6	CF,PS,EON,UB,NND,R=F	
H532-3	NGC 3693	Crt	Galaxy (R')SA(r)b:	CF,S,E,GBM
Mar 01 2011	12"	5.5mmN	VF,VS,EON,UB,NND,AV,R=F	
H537-2	NGC 4999	Vir	Galaxy SB(r)b	CF,PL,R,LBM,ER
Apr 09 2008	8"	11mmT6	DIFF,VF,PS,OVAL,NND,AV,R=F	
H539-2	NGC 5806	Vir	Galaxy SAB(s)b	CB,CL,E165,SBMN
May 19 2010	12"	7.5mmW	PF,PS,OVAL,MEXT,FNUC,R=F	
H540-2	NGC 5831	Vir	Galaxy E3	PB,S,MBM

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H540-2	NGC 5831	Vir	Galaxy E3	PB,S,MBM
May 19 2010	12"	7.5mmW	CF,CS,OVAL,MEXT,UB,NND,R=F	
H542-2	NGC 5838	Vir	Galaxy SA0-	PB,PS
May 19 2010	12"	7.5mmW	PF,PS,EON,FNUC,MUSB,R=F	
H543-2	NGC 5850	Vir	Galaxy SB(r)b	CF,S,LE,PSBM
May 19 2010	12"	7.5mmW	DIFF,CF,PS,R,UB,NND,R=F	
H544-2	NGC 5854	Vir	Galaxy SB(s)0+ sp	PB,S,VLE,LBM,AM ST
May 19 2010	12"	7.5mmW	PF,PS,EON,FNUC,R=F	
H550-2	NGC 3636	Crt	Galaxy E0	F,VS,R,LBM,*7F,P OF2
Mar 01 2011	12"	7mm TV	F,CS,R,BNUC,R=G	
H551-2	NGC 3637	Crt	Galaxy (R)SB(r)0^	F,VS,R,PSBM,*7P,FOF2
Mar 01 2011	12"	7mm TV	F,CS,R,BNUC,R=G	
H552-2	NGC 3732	Crt	Galaxy SB0-a	F,S,R,PSBM,*14SP
Mar 01 2011	12"	5.5mmN	CF,CS,R,UB,NND,R=F	
H553-2	NGC 3892	Crt	Galaxy SB(rs)0+	PB,PL,R,GBM,R
Mar 01 2011	12"	11mmT6	PF,PS,OVAL,MEXT,UB,NND,R=F	
H553-3	NGC 6070	Ser	Galaxy SA(s)cd	F,L,PME,VGBM,R
Sep 05 2007	8"	11mmT6	PF,PS,OVAL,NND,R=F	
H554-3	NGC 5775	Vir	Galaxy SBc? sp	F,PS,VME148,GVLBM
May 19 2010	12"	7.5mmW	PF,PS,EON,UB,NND,R=F	
H555-2	NGC 2889	Hya	Galaxy SAB(rs)c	PF,PS,VLE,VGLBM,R
Mar 16 2010	12"	11mmT6	PF,CS,R,UB,NND,R=F	
H555-3	NGC 6548	Her	Galaxy SB0	CF,S,LE,R
Nov 13 2007	8"	11mmT6	DIFF,PF,PS,R,NND,R=F	
H561-2	NGC 4939	Vir	Galaxy SA(s)bc	PB,L,R,GMBM
Apr 09 2008	8"	11mmT6	DIFF,VF,PL,OVAL,NND,LSB,R=F	
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
H566-2	NGC 5078	Hya	Galaxy SA(s)a: sp	PB,PS,CE,PSBM,*7,8F
Mar 01 2011	12"	11mmT6	CF,PS,OVAL,MEXT,UB,NND,R=F	
H568-2	NGC 4270	Vir	Galaxy S0	PB,S,R
Apr 09 2008	8"	11mmT6	PF,PS,EON,FNUC,MSB,R=G	
Apr 14 2016	12"	11mmT6	PF,PS,OVAL,UB,NND,R=G	
May 14 2017	12"	11mmT6	PF,PS,OVAL,MEXT,NND,R=F	
H574-2	NGC 5668	Vir	Galaxy SA(s)d	F,PS,VLE,*14INV
May 19 2010	12"	7.5mmW	DIFF,CF,PS,R,UB,NND,R=F	
H578-3	NGC 1207	Per	Galaxy SA(rs)b	CF,VS,R,PSB INNPPEND
Nov 10 2012	18"	7mm TV	PF,VS,OVAL,UB,NND,R=F	
Nov 11 2009	12"	7.5mmW	PF,PS,OVAL,MEXT,UB,NND,R=F	
H579-2	NGC 5560	Vir	Galaxy SB(s)b pec	PF,CL,E,GBM
Apr 28 2006	31"	19mmW	B,PL,EON,UB,NND,R=F	
May 23 2012	18"	8.8 ES	PB,PS,EON,FNUC,HSB,R=F,PA=150	
May 30 2016	12"	8mm Ds	PF,PS,VEXT,NND,R=G	
H581-2	NGC 5638	Vir	Galaxy E1	CB,PL,R,SF OF 2
May 19 2010	12"	7.5mmW	PF,PS,R,UB,NND,R=F	
H585-2	NGC 5864	Vir	Galaxy SB(s)0^? sp	PF,CS,ILE,GBM,*14F
May 19 2010	12"	7.5mmW	PF,PS,EON,UB,NND,R=F	
H588-2	NGC 665	Psc	Galaxy (R)S0^?	F,S,LE,BM,R
Nov 10 2007	31"	17mmT4	PB,PL,OVAL,BNUC,R=G	

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H588-2	NGC 665	Psc	Galaxy (R)S0⁺?	F,S,LE,BM,R
Nov 10 2007	31"	17mmT4	PB,PL,OVAL,BNUC,R=G	
H593-2	NGC 1400	Eri	Galaxy SA0-	CB,PS,R,PSMBM
Nov 08 2010	12"	11mmT6	PF,CS,R,BNUC,R=G	
H596-2	NGC 706	Psc	Galaxy Sbc?	F,S,BM,*13N1'
Nov 10 2007	31"	17mmT4	PF,PL,OVAL,UB,NND,R=F	
H598-2	NGC 7377	Aqr	Galaxy SA(s)0⁺	PB,S,VLE,VGMBM,*12P
Nov 09 2004	8"	11mmT6	VF,EL,EON,NND,AV,R=F	
H600-2	NGC 7640	And	Galaxy SB(s)c	CF,L,ME164,VLBM,R
Oct 10 2004	8"	11mmT6	DIFF,EON,NND,LSB,R=F	
H602-3	NGC 4571	Com	Galaxy SA(r)d	VF,L,E,VGBM,*9NF NR
Apr 16 2009	16"	17mmT4	PF,PS,R,UB,NND,R=F	
H607-2	NGC 1175	Per	Galaxy SA(r)0⁺	F,CL,E
Oct 25 2009	12"	7.5mmW	F,PS,EON,FNUC,R=F	
H608-2	NGC 1193	Per	Open Cluster 14.0 l 2 m	F,CL,ER
Oct 09 2007	8"	11mmT6	PF,PS,LOOSE GROUP, R=F	
H615-2	NGC 2274	Gem	Galaxy E	F,S,BM
Apr 09 2008	8"	11mmT6	PF,VS,EON,NND,LSB,AV,R=F	
H619-2	NGC 1156	Ari	Galaxy IB(s)m	PB,CL,PME0,BET2*
Sep 04 2005	8"	7.5mmW	VF,ML,OVAL,NND,AV,R=F	
H620-2	NGC 1169	Per	Galaxy SAB(r)b	PF,PS,IF,SBM
Nov 09 2004	8"	7.5mmW	VF,EL,EON,NND,AV,R=F	
Oct 10 2004	8"	11mmT6	VF,EL,NND,AV,R=F	
Oct 25 2009	12"	11mmT6	PF,PS,EL,OVAL,UB,NND,R=F	
H622-2	NGC 428	Cet	Galaxy SAB(s)m	F,L,R,BM,ER
Nov 10 2007	31"	17mmT4	PB,PL,OVAL,UB,NND,R=G	
H628-2	NGC 4312	Com	Galaxy SA(rs)ab: sp	PB,CL,E,GBM
Apr 16 2009	16"	17mmT4	PB,PS,EON,FNUC,USB,R=G	
H633-2	NGC 1058	Per	Galaxy SA(rs)c	PF,CL,R,GLBM
Nov 09 2004	8"	7.5mmW	VF,OVAL,NND,AV,R=F	
H637-3	NGC 6058	Her	Planetary Neb 3+2	PF,VS,R,STELLAR
Nov 13 2007	8"	11mmT6	VF,VS,AV,R=F, NO CENTRAL STAR	
H639-2	NGC 3158	LMi	Galaxy E3:	CB,CS,R,PSBM,R
Mar 20 2007	8"	11mmT6	VF,VS,R,NND,AV,R=F	
H645-2	NGC 4914	CVn	Galaxy E	PB,CS,R,SMBM,*17NP
Mar 26 2009	16"	17mmT4	PF,PS,OVAL,FNUC,R=F	
H648-3	NGC 4359	Com	Galaxy SB(rs)c? sp	CF,PME90,VLBM
Apr 16 2009	16"	17mmT4	VF,VS,EL,OVAL,NND,AV,R=F	
H650-2	NGC 5899	Boo	Galaxy SAB(rs)c	CB,PL,PME,SMBMN
Aug 03 2008	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
H653-2	NGC 5129	Vir	Galaxy E	PB,VS,R,GMBM,**F
Apr 09 2008	8"	11mmT6	PF,PS,R,NND,AV,R=F	
H664-2	NGC 5023	CVn	Galaxy Scd: sp	PF,L,ME20,VLBM
Mar 28 2011	12"	7mm TV	PF,PS,EON,UB,NND,R=F,PA=90	
H665-2	NGC 5103	CVn	Galaxy S?	PB,CS,E
Mar 28 2011	12"	7mm TV	PF,VS,OVAL,UB,NND,R=F	
H676-3	NGC 5520	Boo	Galaxy Sb	F,S,LE,STELLAR
Apr 29 2011	12"	7mm TV	PF,PS,OVAL,MEXT,FNUC,R=F	

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H676-3	NGC 5520	Boo	Galaxy Sb	F,S,LE,STELLAR
Apr 29 2011	12"	7mm TV	PF,PS,OVAL,MEXT,FNUC,R=F	
May 21 2009	16"	11mmT6	PF,PS,OVAL,UB,NND,R=F	
H687-2	NGC 5506	Vir	Galaxy Sa pec sp	PB,L,E20,LBM
May 19 2010	12"	7.5mmW	DIFF,CF,PS,EON,NND,R=F	
H690-2	NGC 6155	Her	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	
H691-2	NGC 5448	UMa	Galaxy (R)SAB(r)a	PB,CL,VME90,SMBMN
Mar 01 2011	12"	11mmT6	VF,CS,OVAL,MEXT,UB,NND,R=F	
H691-3	NGC 5791	Lib	Galaxy E6:	PF,S,R,STELLAR
Jul 03 2005	8"	11mmT6	VF,VS,EL,NND,AV,R=F	
H692-2	NGC 5480	UMa	Galaxy SA(s)c:	F,PS,VGBM,NP OF 2
Apr 16 2009	16"	17mmT4	PF,PS,R,UB,NND,R=F	
H692-3	NGC 7171	Aqr	Galaxy SB(rs)b	VF,CL,E124,VGBM
Oct 05 2005	31"	17mmT4	F,PL,EL,OVAL,NND,R=F	
H693-2	NGC 5481	UMa	Galaxy E+	F,VS,SMBM,STELL,SF-2
Apr 16 2009	16"	17mmT4	PF,PS,R,UB,NND,R=F	
H694-2	NGC 5602	Boo	Galaxy Sa	PF,PS,LE,MBM
May 21 2009	16"	11mmT6	CF,PS,OVAL,NND,R=F	
H695-2	NGC 5660	Boo	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	
H695-3	NGC 896	Cas	Nebula E	EF,PL,IF
Oct 18 2009	12"	20mmUW	PF,PS, HINT OF NEBULOSITY	
H696-3	NGC 7139	Cep	Planetary Neb 3b	VF,CS,R,R
Oct 18 2009	12"	11mmT6	VF,PS,R=F. NO OTHER DETAIL = FAINT SMUDGE	
H700-3	NGC 3319	UMa	Galaxy SB(rs)cd	CF,L,IE,MB,S OF M
Apr 09 2010	12"	11mmT6	DIFF,CF,PS,OVAL,MEXT,NND,AV,R=F	
H702-2	NGC 7392	Aqr	Galaxy SA(s)bc	PB,PS,LE120,MBM
Oct 09 2007	8"	11mmT6	VF,PS,OVAL,NND,R=F	
H704-2	NGC 1184	Cep	Galaxy S0/a	F,PL,ME
Nov 13 2007	8"	11mmT6	VF,VS,OVAL,NND,R=F	
H705-2	NGC 7354	Cep	Planetary Neb 4+3b	PLN,B,S,R,PGVLBM
Sep 07 2005	8"	11mmT6	MB,ML,R,MSB,R=G	
H709-3	NGC 2500	Lyn	Galaxy SB(rs)d	F,L,R,VGBM,R,AM ST
Mar 28 2011	12"	5mm TV	VF,PS,R,UB,NND,R=F	
H710-3	NGC 2541	Lyn	Galaxy SA(s)cd	F,L,E,VGBM
Mar 28 2011	12"	11mmT6	DIFF,PF,PS,OVAL,MEXT,UB,NND,R=G	
H716-2	NGC 5371	CVn	Galaxy SBbc	PB,L,R,BMFN
May 12 2005	31"	19mmW	MB,ML,OVAL,BNUC,HISB,R=G	
H717-3	NGC 4100	UMa	Galaxy (R')SA(rs)bc	PB,VL,VME161,VGVLBM
Mar 01 2011	12"	17mmAT	PF,PS,EON,UB,NND,R=F	
H724-3	NGC 5087	Vir	Galaxy SA0:	CF,VS,IF
Apr 09 2008	8"	11mmT6	PF,PS,OVAL,FNUC,MSB,R=G	
H727-3	NGC 6239	Her	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	

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H727-3	NGC 6239	Her	Galaxy SB(s)b pec?	VF,E,BIN,NPSF
Mar 18 2007	8"	11mmT6	PF,L,OVAL,NND,AV,R=F	
H728-2	NGC 3583	UMa	Galaxy SB(s)b	PB,PL,R,VGMBM
Jul 14 2010	12"	7.5mmW	DIFF,CF,PS,OVAL,UB,NND,R=F	
H733-2	NGC 4013	UMa	Galaxy Sb sp	B,CL,ME62,VSVMBM*10
Mar 01 2011	12"	11mmT6	PF,PS,EON,BNUC,R=G	
H736-3	NGC 5878	Lib	Galaxy SA(s)b	PB,PL,PME0,PSMBM
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	
H739-3	NGC 6015	Dra	Galaxy SA(s)cd	VF,PL,R,VGBM
Sep 07 2005	8"	11mmT6	VF,VS,EL,OVAL,NND,R=F	
H741-2	NGC 4047	UMa	Galaxy (R)SA(rs)b:	PB,PS,R
Mar 01 2011	12"	11mmT6	PF,CS,R,UB,NND,R=F	
H742-2	NGC 4248	CVn	Galaxy I0? sp	VF,S,PME,PSBM
Mar 26 2009	16"	17mmT4	VF,VS,OVAL,NND,AV,R=F	
H744-3	NGC 6814	Aql	Galaxy SAB(rs)bc	PF,PL,R,BM,R
Aug 02 2005	8"	11mmT6	VF,MS,R,FNUC,R=F	
Jul 25 2017	12"	11mmT6	PF,PS,R,NND,R=F	
H746-2	NGC 5018	Vir	Galaxy E3:	CB,S,R,MBMPBN
Apr 09 2008	8"	11mmT6	PB,PS,OVAL,FNUC,R=G	
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
H746-3	NGC 2347	Cam	Galaxy (R')SA(r)b:	VF,S,R,LBM
Feb 01 2005	31"	17mmT4	VB,ML,OVAL,SNUC,HISB,R=G	
H747-2	NGC 4144	UMa	Galaxy SAB(s)cd? sp	PF,CL,VME109,VGBM
Mar 01 2011	12"	11mmT6	PF,PS,EON,FNUC,R=F	
H748-2	NGC 4217	CVn	Galaxy Sb sp	PF,L,ME45,**N,P OF 2
Mar 26 2009	16"	17mmT4	VF,VS,OCAL,NND,R=F	
H748-3	NGC 2366	Cam	Galaxy Irr	VF,PL,MBM,CVEDTAILS
Feb 01 2005	31"	17mmT4	MF,ML,PATCHY,NUC,R=G	
H750-3	NGC 2493	Lyn	Galaxy SB0	CB,S,R,SBM
Mar 28 2011	12"	7mm TV	VF,PS,R,UB,NND,AV,R=F	
H753-2	NGC 6181	Her	Galaxy SAB(rs)c	PB,PL,VLE,PGMBM
Oct 17 2004	8"	7.5mmW	VF,EL,NND,AV,R=F	
H754-2	NGC 5582	Boo	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	
H757-2	NGC 5879	Dra	Galaxy SA(rs)bc:?	CB,S,E,MBMRN,R
Aug 06 2010	12"	7mm TV	PF,PS,OVAL,VEXT,FNUC,R=G	
Aug 12 2010	12"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F	
H766-2	NGC 5985	Dra	Galaxy SAB(r)b	PB,CL,IE,R
Apr 13 2005	8"	11mmT6	MB,ML,EL,OVAL,FNUC,R=G	
Aug 15 2015	12"	8mm Ds	DIFF,PF,S,OVAL,UB,NND,R=F	
Sep 07 2005	8"	11mmT6	MB,ML,EL,OVAL,FNUC,MSB,R=G	
H767-2	NGC 6340	Dra	Galaxy SA(s)0/a	CF,PL,R,VGMBM
Sep 07 2005	8"	11mmT6	MB,ML,R,FNUC,MSB,R=G	
H769-2	NGC 2339	Gem	Galaxy SAB(rs)bc	PB,PL,R,GLBM
Dec 15 2004	8"	11mmT6	VF,OVAL,NND,AV,R=F	
H775-2	NGC 3652	UMa	Galaxy Scd?	PF,CL,LE,VGBM
Mar 28 2011	12"	5mm TV	PF,PS,OVAL,UB,NND,R=F,PA=115	

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H775-2	NGC 3652	UMa	Galaxy Scd?	PF,CL,LE,VGBM
Mar 28 2011	12"	5mm TV	PF,PS,OVAL,UB,NND,R=F,PA=115	
H776-2	NGC 4487	Vir	Galaxy SAB(rs)cd	F,VL,ER
May 14 2007	31"	17mmT4	DIFF,PF,PL,OVAL,NND,R=F	
H784-2	NGC 3756	UMa	Galaxy SAB(rs)bc	PF,L,LE
Mar 01 2011	12"	11mmT6	PF,PS,OVAL,MEXT,UB,NND,R=F	
H787-3	NGC 5447	UMa	Knot in Galaxy	PB,S,R,GMBM,CONNM101
Mar 01 2011	12"	11mmT6	BRIGHT SPOT SW SIDE OF - KNOT IN GALAXY	
H789-3	NGC 5462	UMa	Knot in Galaxy	PB,PL,IR,GBM,CONM101
Mar 01 2011	12"	11mmT6	BRIGHT SPOT SE SIDE - KNOT IN GALAXY	
H799-2	NGC 5443	UMa	Galaxy SB(s)b?	PF,L,E
Mar 01 2011	12"	11mmT6	VF,CS,OVAL,PEXT,UB,NND,AV,R=F	
H804-2	NGC 4271	UMa	Galaxy S0-	PB,PL,IF
Mar 28 2011	12"	5mm TV	PF,VS,OVAL,VFNUC,R=F	
H805-2	NGC 4290	UMa	Galaxy SB(rs)ab:	PB,L,R,GMBM
Mar 01 2011	12"	11mmT6	CF,CS,OVAL,UB,NND,R=F	
H808-2	NGC 5687	Boo	Galaxy S0-?	PF,S,IF,RESOLVA,*10F
Aug 03 2008	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
H821-2	NGC 2415	Lyn	Galaxy Im?	PB,CS,R,VGVLBM,R,
Mar 16 2010	12"	11mmT6	CF,CS,OVAL,UB,NND,R=F	
H827-2	NGC 5430	UMa	Galaxy SB(s)b	PB,S,IE,MBM
Mar 01 2011	12"	11mmT6	CF,CS,OVAL,MEXT,UB,NND,R=F	
H828-2	NGC 2756	UMa	Galaxy Sb	PB,PS,E,VGBM
Mar 28 2011	12"	7mm TV	VF,VS,OVAL,UB,NND,R=F	
H829-2	NGC 3669	UMa	Galaxy SBcd: sp	VF,PL,PME135,ER
Jul 14 2010	12"	7.5mmW	VF,CS,EON,UB,NND,AV,R=P	
H845-2	NGC 3668	UMa	Galaxy Sbc	F,PS,IR,GBM,*9NP
Jul 14 2010	12"	7.5mmW	VF,CS,R,UB,NND,AV,R=F	
H846-2	NGC 4256	Dra	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	
H853-3	NGC 3073	UMa	Galaxy SAB0-	VF,S,VGLBM
Mar 28 2011	12"	5mm TV	VF,VS,R,UB,NND,AV,R=F	
H857-2	NGC 198	Psc	Galaxy SA(r)c	F,S,VGBM
Nov 10 2007	31"	17mmT4	PB,PL,R,NND,UB,R=F	
H865-2	NGC 4105	Hya	Galaxy E3	PF,PS,R,PSBM,R,P OF2
Mar 28 2011	12"	7mm TV	PF,PS,OVAL,MEXT,FNUC,R=F	
H869-3	NGC 125	Psc	Galaxy (R)SA0+ pec:	VF,S,BM,D*SP
Oct 09 2007	8"	11mmT6	PF,PS,R,NND,R=F	
H875-2	NGC 6166	Her	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	
H877-3	NGC 2525	Pup	Galaxy SB(s)c	CF,PL,R,VGVLBM,AM ST
Mar 16 2010	12"	11mmT6	CF,PS,OVAL,UB,NND,R=F	
H878-2	NGC 6824	Cyg	Galaxy SA(s)b:	PB,IF,BM
Jul 21 2004	8"	25mmPL	SHORT NIGHT - CLOUDS ROLLED IN.	
Nov 13 2007	8"	11mmT6	CF,CS,R,UB,NND,R=F	
H878-3	NGC 2805	UMa	Galaxy SAB(rs)d	VF,L,R,MBM

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H878-3	NGC 2805	UMa	Galaxy SAB(rs)d	VF,L,R,MBM
Jun 07 2010	12"	11mmT6	PF,PS,OVAL,MEXT,UB,NND,R=F	
H879-2	NGC 3622	UMa	Galaxy S?	PB,S,R,GBM
Jul 14 2010	12"	7.5mmW	VF,CS,OVAL,MEXT,UB,NND,AV,R=F	
H882-2	NGC 3225	UMa	Galaxy Scd:	CF,PL,LE,VGBM
Mar 28 2011	12"	5mm TV	VF,VS,OVAL,NND,AV,R=F	
H897-2	NGC 7218	Aqr	Galaxy SB(rs)cd	PB,LE,R
Nov 21 2006	8"	19mmW	PF,PS,OVAL,NND,R=F	
Sep 13 2007	31"	17mmT4	PF,PL,OVAL,UB,NND,R=F	
H898-2	NGC 3107	Leo	Galaxy Sbc:	PF,PL,IR,*8NP 112"
Apr 07 2008	31"	17mmT4	F,S,OVAL,UB,NND,R=F	