

Herschel 400 (II) Observations

H1-2	NGC 7184	Aqr	Galaxy SB(r)c	PB,PL,ME64,BET3*,ER
Oct 07 2010	31"	17mmT4	PB,VL,EL,BSNUC,GRAD BM,MHISB CNTR,R=G	
Sep 06 2002	12.5"	9mmT6	VB,VL,EL,HISB CNTR,L CNTR BULGE,F* BOTH ENDS	
Aug 31 1984	12.5"	24mm	DIF,PF,MS,EL,F* IN W TIP,TAPERED-CIGAR SHAPE	
Jul 10 1981	12.5"	16mm	DIF,MB,ML,EDGE ON,FNUC,DIM HALO	
Sep 10 1980	12.5"	24mm		
Sep 09 1980	12.5"	24mm	BM,EDGE ON	
H1-7	NGC 1662	Ori	Open Cluster II 3 m	CL OF L\$\$ SC ST
Nov 13 2020	36"	55mm	(II 2 p),EB,EL,WELL PRESENTED IN FOV,~20*S VAR MAG,STANDS OUT,*S IN PAIRS OF 2,(1:55am),R=F	
Sep 06 2002	12.5"	24mm	PB,PL,APROX 15 *S,LOOSELY SC,STANDS OUT WELL	
H2-2	NGC 7507	Sci	Galaxy E0	PB,CS,R,PSVMBM,*10NP
Sep 27 1981	12.5"	16mm	MB,MS,BNUC,MBM,R,HISB IN CNTR NUC,NUC DET,F* OFF TO W	
Sep 09 1980	12.5"	16mm	BNUC	
H2-4	NGC 2261	Mon	Brt Nebula E+R	B,VME330,N COM=*11
Mar 04 2021	36"	17mmT4	(Lb 1),DIF,VB,VL,W/OIII,NEB MORE DETAILED,GRAN,(10:25pm),R=E	
Mar 04 2021	36"	31mmT5	(Lb 1),DIF,VB,ML,W/O OIII,V SHARP 'V' SHAPE WITH BGN/BL * AT POINT,BEST VIEW TO DATE,SOFT DET IN NEB,TAIL FADES AWAY,(10:23pm),R=EE	
Oct 05 2002	12.5"	9mmT6	PB,ML,TRIANGLE SHAPE,F* AT HEAD,COMET LIKE,NEB UB,MHISB	
Oct 31 1980	12.5"	24mm		
Sep 10 1980	12.5"	24mm	COMET LIKE APP,NICE	
H3-4	NGC 2245	Mon	Brt Nebula R	PL,COM,MBN SFALM*
Mar 05 2021	36"	31mmT5	(Lb 1),DIF,MB,MS,W/UHC,* ON EDGE,NEB 'U' SHAPED,SOME GRAN,OIII DARKENS FOV,F* IN EDGE BTR,N2247 CLOSE,(10:00pm),R=FG	
Oct 05 2002	12.5"	9mmT6	PB,PL,DIF NUBULA,CLOSE TO A B*,NEB OFF SET FROM *,MHISB	
H3-6	NGC 2269	Mon	Open Cluster II 1 p	CL,VMC,NOT RI,ST VS
Oct 05 2002	12.5"	9mmT6	PB,ML,EL,* DIFF MAG,~10...11 MAG	
H5-2	NGC 1032	Cet	Galaxy S0/a sp	PB,S,VLE,BM,3*TRAP
Sep 06 2002	12.5"	9mmT6	PB,PL,HISB,SBM,OVAL,LNUC AREA	
H5-4	NGC 4517	Vir	Galaxy SA(s)cd: sp	CB,VL,VME89,PB*INCNT
May 30 2014	36"	17mmT4	MB,EL,EDGE ON,NND,PA~90,EDGE TO EDGE IN EYEPIECE FOV,SHISB,GRAN,DUST,BKN PARTS,SMWHT CNTR BULGE,R=G	
May 01 1981	12.5"	24mm	PF,EL,EDGE ON,FARM	
H5-7	NGC 2236	Mon	Open Cluster II 2 m	CL,PRI,PC,*10,12..15
Oct 05 2002	12.5"	9mmT6	PB,PL,~50*S VAR MAG,*S SPR INTO CNTR	
H7-4	NGC 3507	Leo	Galaxy SB(s)b	CF,PL,R,SBMS*,*9ATT
Jan 08 2003	12.5"	9mmT6	VB,VL,BNUC,B*ON EDGE OF GLXY,HISB,S CNTR RGN	
H7-6	NGC 5053	Com	Globular XI	CL,VF,PL,IR,VGBM,*15
Apr 11 2015	36"	17mmT4	(Class X),MB,PL,DOZ OR SO B*S LOOSELY SC,LTL CL IN NUC AREA DET,OC LIKE,R=G	
Mar 22 2004	12.5"	12mmT4	VDIF,EF,VL,OVAL,F PATCHY AREAS DET,MORE WITH AV,R=P	
Mar 27 1981	12.5"	24mm		
H7-8	NGC 1663	Ori	Open Cluster IV 2 p	CL,LRI,ST L\$\$
Sep 06 2002	12.5"	9mmT6	PB,ML,~20*S,305 B*S WITH FTR OTHERS,TAKES POWER WELL	
H8-2	NGC 1587	Tau	Galaxy E pec	F,PS,R,R,P OF D NEB
Sep 06 2002	12.5"	9mmT6	PB,PL,OVAL,LNUC,MHISB,BM,COMP=1588	
H9-5	NGC 6526	Sgr	Brt Nebula E	F,L,CE
Sep 04 2002	12.5"	24mm	EF,PL,DIF NEB,L AREA OF NEB,BARELY DET	
H11-2	NGC 4237	Com	Galaxy SAB(rs)bc	PB,PL,LE,VGBM,R
Mar 22 2004	12.5"	12mmT4	MF,PL,OVAL,FLNUC,SHISB,LOC IN BARRON FOV,R=G	

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H11-2	NGC 4237	Com	Galaxy SAB(rs)bc	PB,PL,LE,VGBM,R
Mar 22 2004	12.5"	12mmT4	MF,PL,OVAL,FLNUC,SHISB,LOC IN BARRON FOV,R=G	
H13-2	NGC 3705	Leo	Galaxy SAB(r)ab	PF,PL,R,VSMBM,R
Mar 03 1984	12.5"	12mm	MB,ML,EDGE ON,BNUC,BSNUC,SBM,NO *S	
Jan 30 1981	12.5"	24mm	DIF,PF,PL,EL,FNUC,DIM HALO	
H13-4	NGC 6894	Cyg	Planetary Neb 4+2	RINGNEB,F,S,VVLE
Aug 15 2009	31"	17mmT4	MB,ML,OVAL,NO CNTR*,VF* IN EDGE OF RING,MINI M57,OIII,MORE NEB,EDGES FRAILED,R=E	
Sep 04 2002	12.5"	9mmT6	MF,PS,UB,OVAL,CNTR RGN DARK PATCH,ONE SIDE SLT BTR	
H14-4	NGC 6772	Aql	Planetary Neb 3b+2	VF,L,R,VVLBM,R
Jul 10 1981	12.5"	12mm	VDIF,R,LOCATED IN BARREN * FIELD,EF	
H14-5	NGC 6992	Cyg	Brn Nebula E	EF,EL,EE,EIF,BIFID
Sep 06 2023	12.5"	31mmT5	(Lb 1),DIF,VF,EEL,2 FOV'S,EASTERN VIEL SNR,EASY TO FOLLOW NEB,PATCHY,WISPS,BKN AREAS,W/OIII,FTN DET DET,SEE PREVIOUS 31" DESC,(11:41pm),R=EEE	
Sep 26 2019	36"	17mmT4	W/OIII,EB,EEL,HISB,5 FOV'S,LOOKS MUCH LIKE 6960,B FILIMENTS,STRANDS,STRINGY ROPES V HISB,BNEON GLOW,R=EEEE	
Sep 04 2002	12.5"	32mm	VB,EEL,SNR,HISB,ARC GOES 2 FOV'S	
H15-3	NGC 3646	Leo	Galaxy Ring	CF,CL,LE,GBM,SP OF 2
Mar 21 2020	36"	17mmT4	MB,EEL,R,BSNUC,FACE ON,SPR STR,ARMS DEFINITION,SOFT MHISB NUC,R=EE	
Mar 03 1984	12.5"	16mm	VDIF,VF,ML,F* TO W SIDE,OVAL-PATCH,UB,NND	
Jan 30 1981	12.5"	24mm	DIF,PF,VL,FARMS	
H15-5	NGC 6960	Cyg	Brn Nebula E	PB,CL,EIF,KAPPACYGIN
Sep 06 2023	12.5"	31mmT5	(Lb 1),DIF,VB,EEL,W VEIL SNR,SEE 31" DESC PREVIOUSLY,SVRL FOV'S,FINE WISPS,FILAMENTS,W/OIII,AWESOME,MORE NEB DET,SOFT EDGES,SMWHT BG COLOR,DARK AREAS,(10:53pm),R=EEE	
Sep 26 2019	36"	17mmT4	W/OIII,EB,EEEL,HISB,5 FOV'S,START AT E MOST PART,NEON LIGHT LIKE,STRANDS,EDGES VB,TWISTED ROPE,BEST TO DATE,VIEWED THE OTHER NON-IDENTIFIED AREAS LISTED IN MEGASTAR,SOME WERE VF AND S BUT DET,SOME VB AND VL,HISB,R=EEE	
Sep 04 2002	12.5"	32mm	PB,EL,SNR,WHIPS ON BOTH SIDES OF B* EASILY DET,PARTS OF SNR HAVE HISB	
H15-8	NGC 6604	Ser	Open Cluster I 3 m n	CL,LRI,LC
May 12 2021	36"	31mmT5	(I 3 m n),PB,ML,B* IN CNTR,VAR MAG,CL DET,W/OIII,NEB DET MOSTLY SUR B CNTR *,WISPS OF NEB,(3:56am),R=FG	
Sep 04 2002	12.5"	24mm	VP,PL,*S DIFF MAG,FEW B*S WITH F BG GLOW	
H17-2	NGC 4235	Vir	Galaxy SA(s)a sp	PB,PL,PME,BM,P OF 2
Feb 22 2020	36"	17mmT4	VB,VL,EL-EDGE ON,BLNUC,HISB CNTR,GRAN HALO,MBM,R=G	
Apr 25 1981	12.5"	24mm	DIF,PF,PS,FNUC,F HALO,PAIR/4233/4224	
H18-6	NGC 2309	Mon	Open Cluster I 2 m	CL,PL,PRI,MC,ST13
Oct 05 2002	12.5"	9mmT6	PB,PL,SCATERED,NICE IN 9MM,*S ~SAME MAG	
H19-4	NGC 2170	Mon	Brn Nebula R	*9 INV,PL,NEB,E170
Mar 04 2021	36"	31mmT5	(Lb 1),DIF,PB,MS,OVAL PATCH SUR *,SOME GRAN,W/OIII,MUCH BTR,EDGES SMWHT DEF,OVAL,FEW VF*S NEXT TO NEB,(9:45pm),R=FG	
Oct 05 2002	12.5"	9mmT6	PB,ML,B NEB SUR B*,NEB MHISB	
H20-1	NGC 3666	Leo	Galaxy SA(rs)c:	F,E90,*6F34S,5'N
Mar 03 1984	12.5"	12mm	DIF,MF,MS,V EDGE ON,F*N FROM NUC,SBM	
H20-2	NGC 4612	Vir	Galaxy (R)SAB0^	PB,S,R,PSMBM
Mar 27 1982	12.5"	12mm	MB,ML,BNUC,F* TO N,VMBM,B HALO,OVAL	
Jun 04 1981	12.5"	16mm	PF,PS,BNUC,F HALO,BY 12 MAG *,PAIR/4623	
Jun 04 1981	12.5"	24mm	PB,PL,BNUC,B HALO,PAIR/4660	
H21-5	NGC 2359	CMa	Brn Nebula E	VF,VVL,VIF
Mar 04 2021	36"	31mmT5	(Lb 2),DIF,VB,VL,W/OIII,WELL PLACED IN FOV,EDGES DEF IN PARTS FADE AWAY IN OTHERS,B AREAS HERE AND THERE,OIII HELPS A LOT,IN CNTR OF IC 468,(10:40pm),R=EE	
Dec 28 2008	31"	31mmT5	PB,EL,W/OIII,FINE DETAIL THROT,B AREAS,B EDGES,BRIDGES,BEST EVER,R=E	

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H21-5	NGC 2359	CMa	Brт Nebula E	VF,VVL,VIF
Dec 28 2008	31"	31mmT5	PB,EL,W/OIII,FINE DETAIL THROT,B AREAS,B EDGES,BRIDGES,BEST EVER,R=E	
Dec 19 2006	31"	31mmT5	DIF,MF,EL-OVAL,L PATCHY AREAS OF NEB SC ALM *S,PAIR=IC468,R=G	
Dec 19 2006	31"	31mmT5	W/OIII,DIF,MB,VL,OVAL,HISB,B PATCHES,FILAMENTS,FILTER HELPS GREATLY,AWSOME,R=E	
Nov 21 2006	12.5"	12mmT4	DIF,VB,VL,W/OIII,PATCHY,WISPS OF ARMS,SPR SHAPE,B AREAS DET,R=E	
H21-8	NGC 6800	Vul	Open Cluster IV 1 p	CL,VL,PRI,VLC,ST10..
May 30 2022	36"	17mmT4	(IV 2 p),EF,EL,V LTL CL DET,RICH * FOV,~15*S,VAR MAG,(2:26am),R=P	
Sep 04 2002	12.5"	24mm	PB,PL,*S ~SAME MAG,APROX 30*S	
H22-4	NGC 2467	Pup	Open Cluster I 3 m n	PB,VL,R,ER,*8M
Mar 03 2021	36"	31mmT5	(I 3 m n)MB,PL,~50*S,VAR MAG,MANY F*S,CL LOOKS BKN,INSIDE SH2-311,(10:20pm),R=FG	
Nov 24 2006	12.5"	12mmT4	VB,VL,LOOSE,NOT WELL DEFINED,NEB ASSOC WITH CL,PAIRS=SH2-311/LBN,R=P	
Nov 21 2006	12.5"	12mmT4	PF,VL,INSIDE SH2-311,SIM MAG,LOOSELY SC,APROX 50*S,R=F	
H22-7	NGC 2254	Mon	Open Cluster I 1 m	CL,S,PC,IF,*11...13
Oct 05 2002	12.5"	9mmT6	MB,PS,SC,*S DIFF MAG,NICE IN 9MM	
H23-3	NGC 3524	Leo	Galaxy S0/a	F,S,LE,PSBM,2*NPLINE
Jan 08 2003	12.5"	9mmT6	MB,ML,EL,FNUC,SBM,HISB TOWARDS CNTR,OVAL,PAIR/PGC33588	
H24-4	NGC 2023	Ori	Brт Nebula R+E	B*IN M OF L,LE NEB
Mar 05 2021	36"	31mmT5	(Lb 1),DIF,MB,ML,W/OIII,GRAN NEB SUR B*,PATCHY,EDGES FADE,(8:51pm),R=F	
Jan 24 2009	31"	17mmT4	MF,ML,BTR W/OIII,MORE NEB DET,FINE DETAIL IN NEB CLOSE TO *,R=F	
Jan 24 2004	31"	24mmTP	DIF,MF,PL,PATCH,UB,WITH OIII,PATCHY AREA OF GAS SUR *,R=F	
Oct 05 2002	12.5"	25mm	PB,VL,NEB SUR B*,PARTS OF NEB HAVE HISB	
Sep 09 1980	12.5"	24mm	NEED TO KEEP B* OUT OF FIELD TO DETECT	
H24-7	NGC 2112	Ori	Open Cluster II 2 m n	CL,PL,LRI,PC,ST S
Dec 30 1983	12.5"	24mm	MF,PS,BARREN * FIELD,B*S FORM SHAPE OF A 'Y',~60*S	
Sep 09 1980	12.5"	24mm		
H25-3	NGC 3177	Leo	Galaxy SA(rs)b	CF,S,R,PSBM
Feb 25 1984	12.5"	12mm	DIF,MF,PS,R,BM,NO *S	
Jan 30 1981	12.5"	24mm	DIF,EF,ES	
H26-6	NGC 1605	Per	Open Cluster III 1 m	CL,VF,PS,C,ST ES
Aug 10 2002	12.5"	24mm	ML,VF,NOT WELL DEFINED,R IN SHAPE	
H27-3	NGC 3605	Leo	Galaxy E4-5	F,S,R,SP OF 3
Mar 06 2010	31"	17mmT4	MF,MS,EL,FLNUC,GRAD GETS MUCH BM,HISB CNTR,PAIRS=3606/3607/PGC34407,R=G	
Mar 03 1984	12.5"	12mm	MF,PS,FNUC,PATCHY,SBM,CLOSE PAIR/3607	
Jan 30 1981	12.5"	24mm	DIF,EF,ES,F HALO SUSP,PAIR/3607/3608	
H27-8	NGC 2367	CMa	Open Cluster II 3 m	CL,S,P,LC
Nov 21 2006	12.5"	12mmT4	PB,ML,FEW B*S WITH FTR *S,~20*S,V SHAPED,WELL PLACED,R=F	
H28-4	NGC 4039	Crv	Galaxy SA(s)m pec	PF,PL
Mar 16 2009	31"	17mmT4	VB,VL,EL,SHISB,UB,NND,DARK AREA SPLITS THE TWO,COMP=4038,R=G	
Mar 22 2004	12.5"	12mmT4	MF,PL,OVAL,PATCH,UB,NND,CLOSE COMP=4038,R=G	
May 03 1981	12.5"	24mm	PAIR/4038,RING TAIL GLXY	
H28-6	NGC 2259	Mon	Open Cluster II 1 p n	CL,CRI,EC,IF,ST ES
Oct 05 2002	12.5"	9mmT6	MF,ML,E,WELL PLACED IN 9MM,*S ~SAME MAG	
H29-5	NGC 4395	CVn	Galaxy SA(s)m:	EF,VL,NP OF DNEB
Mar 22 2004	12.5"	12mmT4	VDIF,EF,EL,PATCH,UB,NND,BKN PATCHES DET,R=P	
Jan 28 1982	12.5"	24mm	NO FIND	
H29-6	NGC 7245	Lac	Open Cluster II 2 m	CL,C,ST ES
Jun 24 2022	36"	17mmT4	(II 2 m),MV,MS,*S APPROX SIM MAG,CL EL,SMWHT CONC.PAIR=KING 9,(4:03am),R=F	

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H29-6	NGC 7245	Lac	Open Cluster II 2 m	CL,C,ST ES
Jun 24 2022	36"	17mmT4	(II 2 m),MV,MS,*S APPROX SIM MAG,CL EL,SMWHT CONC.PAIR=KING 9,(4:03am),R=F	
Sep 20 1984	12.5"	24mm	MB,PS,V RICH * FIELD,B*NE SIDE,~40-50*S WITH F BG GLOW	
H30-5	NGC 1977	Ori	Open Cluster	42ORIONIS\$NEB
Sep 06 2002	12.5"	32mm	VB,PL,~5 *S ASSOC WITH M43	
H32-3	NGC 5490	Boo	Galaxy E	CF,CS,R,SBMF**
Mar 26 2006	31"	17mmT4	PB,ML,OVAL,BLNUC,HISB CNTR,GMBM,PAIRS=IC982/IC983/OTHERS,R=G	
H32-4	NGC 1700	Eri	Galaxy E4	CB,S,MBM*
Oct 30 1981	12.5"	12mm	MB,ML,R,BNUC	
Oct 31 1980	12.5"	24mm	COMPACT SNUC	
Sep 09 1980	12.5"	24mm		
H33-1	NGC 4124	Vir	Galaxy SA(r)0+	PB,PL,ME118,BM,R
Apr 25 1981	12.5"	24mm	DIF,PF,PL,EL-EDGE ON,FNUC,F HALO	
H34-7	NGC 1883	Aur	Open Cluster II 1 m	CL,VF,PRI,PC,IF
Sep 06 2002	12.5"	9mmT6	PF,PS,~20*S SAME MAG,V SHAPE,1 B* TO SIDE OF CL,TAKES POWER WELL	
H35-4	NGC 2610	Hya	Planetary Neb 4+2	F,S,ATTTO*13,*7NF
Dec 28 2008	31"	17mmT4	PB,ML,OVAL,UB,B* IN FOV,* IN EDGE,VF CNTR*15,OIII DOESNOT HELP MUCH,R=G	
Nov 22 2006	12.5"	12mmT4	MF,PS,R,F* ON EDGE OF NEB,OIII HELPS OUT SLT,R=F	
Mar 29 2006	31"	17mmT4	DIF,MB,ML,R,UB,* IN EDGE,WOIII,PATCHY,DARK AREAS,OVAL WITH B EDGES,R=G	
H35-8	NGC 2374	CMa	Open Cluster IV 2 p	CL,VL,PRI,LC,ST L
Nov 21 2006	12.5"	12mmT4	VB,EL,LOOSE,NOT WELL DEFINED,MANY *S VAR MAG,LTL CL,FILLS FOV,R=P	
H36-4	NGC 2071	Ori	Brт Nebula R	D*10\$14 W/VF,L CHEV
Mar 04 2021	36"	31mmT5	(Lb 4),DIF,VF,MS,W/OIII,S SMOOTH PATCHY NEB SUR * REACHES TO B* CLOSE BY,EDGES NOT WELL DEF,(9:25pm),R=F	
Feb 21 2006	31"	31mmT5	MF,MS,PATCH,NEB DET SUR B*,B* APPEARS AS CLOSE DBL WITH F*,R=F	
Oct 05 2002	12.5"	25mm	PBPL,DIF NEB,B* TO EDGE OF NEB,CLOSE TO M78	
H36-5	NGC 206	And	Knot in Galaxy	VF,VL,ME0
Aug 10 2002	12.5"	25mm	PB,EL,KNT IN GLXY,PATCHY AREA IN MILKY WAY	
H36-6	NGC 2432	Pup	Open Cluster II 2 m	CL,PL,PC,E0,ST L\$\$
Nov 24 2006	12.5"	12mmT4	PB,ML,~40*S,SLT CL,IRR IN SHAPE,VAR MAG,R=F	
Nov 21 2006	12.5"	12mmT4	MF,MS,~20*S,SIM MAG,LOOSELY CL,SC,R=F	
H36-8	NGC 2396	Pup	Open Cluster IV 1 m	CL,VL,VLC
Nov 24 2006	12.5"	12mmT4	VB,VL,LOOSELY SC,SLT CL,~20*S,VAR MAG,R=F	
Nov 21 2006	12.5"	12mmT4	VB,VL,~20*S,LOOSELY SC,S CL,FEW B*S,VAR MAG,R=F	
H37-8	NGC 2414	Pup	Open Cluster I 3 m	CL,P,LC,ST9,\$C
Nov 24 2006	12.5"	12mmT4	MB,ML,~30*S,FEW B* WITH F BG,GOOD CL,WELL PLACED,R=G	
Nov 21 2006	12.5"	12mmT4	PB,MS,~20*S,LOOSE,S CL,1B*,FEW FTR,R=F	
H38-4	NGC 2182	Mon	Brт Nebula R	PB**,L*NEB,E90
Mar 04 2021	36"	31mmT5	(Lb 1),DIF,MB,PS,W/OIII,LIKE B BLUE PL NEB SUR BY NEB,PATCH,SMWHT GRAN,VF**S IN EDGE OF NEB,(9:55pm),R=F	
Nov 24 2006	12.5"	17mmT4	DIF,MF,VS,VF* WITH FT AREA OF NEB,OIII DOES NOT HELP,R=F	
Oct 05 2002	12.5"	9mmT6	SUSP ONLY,F* OFF TO ONE SIDE,LOC GOOD	
H38-6	NGC 6804	Aql	Planetary Neb 4+2	CB,S,IR,RRR
Sep 02 2008	31"	17mmT4	MB,BL,OVAL,GREENISH,SVRLF*S IN NEB,CNTR* 15TH MAG,OIII DOESNOT HELP MUCH,R=G	
Aug 31 1984	12.5"	12mm	PF,MS,BNUC,R-OVAL,SBM,F* TOWARDS OUTER EDGE,PATCHY	
Jul 10 1981	12.5"	12mm	GREEN,DIF,PF,MS,CNTR * ~14MAG	
H39-5	NGC 3511	Crt	Galaxy SA(s)c	VF,VL,ME
Nov 24 2006	12.5"	12mmT4	MF,VL,EL,FLNUC,* IN TIP,PAIR=3513,R=G	

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H39-5	NGC 3511	Crt	Galaxy SA(s)c	VF,VL,ME
Nov 24 2006	12.5"	12mmT4	MF,VL,EL,FLNUC,* IN TIP,PAIR=3513,R=G	
H39-8	NGC 2302	Mon	Open Cluster III 2 m	CL,L,P,LC
Oct 05 2002	12.5"	9mmT6	MB,ML,~30*S,LOOSE	
H40-1	NGC 4941	Vir	Galaxy (R)SAB(r)ab:	PF,L,E,GBMBN,R
Mar 22 2004	12.5"	12mmT4	MF,MS,OVAL-R,BSNUC,HISB CNTR,GMBM,R=G	
H40-5	NGC 3513	Crt	Galaxy SB(rs)c	VF,VL,ME
Nov 24 2006	12.5"	12mmT4	DIF,PF,VL,OVAL,PATCH,UB,NND,SHISB,PAIR=3511,R=F	
H40-8	NGC 2331	Gem	Open Cluster IV 2 m	CL,L,VLC,S CL INV
Oct 05 2002	12.5"	32mm	VF,EL,LOOSE OPEN CL,~20*S,SAME MAG	
H41-5	NGC 4244	CVn	Galaxy SA(s)cd: sp	PB,VL,EE43,VGBM
Jan 26 1982	12.5"	24mm	PB,VL,EDGE ON,* ON N TIP,NND,HISB,UB,TAPERED AT BOTH ENDS	
Oct 31 1980	12.5"	24mm		
H42-2	NGC 3547	Leo	Galaxy Sb:	F,S,LE,VLBM
Mar 03 1984	12.5"	12mm	VDIF,VF,MS,PATCH-OVAL,NND,UB,NO *S	
H43-2	NGC 3162	Leo	Galaxy SAB(rs)bc	PF,CL,R,VGLBM,R,*INV
Feb 25 1984	12.5"	12mm	DIF,MF,MS,FACE ON,PATCHY,UB,F* TO E SIDE,NND	
Jan 30 1981	12.5"	24mm	DIF,VB,PS,F HALO	
Dec 03 1980	12.5"	24mm		
H43-7	NGC 7419	Cep	Open Cluster I 2 m	CL,PRI,CC
Sep 04 2002	12.5"	32mm	PB,ML,FEW B*S WITH GLOW IN BG	
H44-3	NGC 4647	Vir	Galaxy SAB(rs)c	PF,PL,LE115,NPOFDNEB
May 09 2010	31"	17mmT4	MB,PL,PATCHY,BLNUC,CLOSE COMP=4649,PAIR=PGC42846,R=G	
Mar 22 2004	12.5"	12mmT4	MF,ML,OVAL,PATCH,UB,CLOSE PAIR=M60,VFSNUC,R=F	
Mar 27 1982	12.5"	12mm		
Mar 27 1981	12.5"	24mm		
H46-2	NGC 3301	Leo	Galaxy SB0-a	CB,S,LE53,PSBM,R
Feb 25 1984	12.5"	12mm	VDIF,MB,ML,EDGE ON,BNUC,MHISB	
Jan 30 1981	12.5"	24mm	PB,PL,EL,BNUC,DIM HALO	
Dec 03 1980	12.5"	24mm		
H46-4	NGC 5493	Vir	Galaxy S0 pec sp	PB,VS,R,PSMBM*,*18IN
Apr 26 2003	12.5"	9mmT6	VB,MS,EL,BNUC,VHISB CNTR,VMBM,R=E	
H47-4	NGC 4915	Vir	Galaxy E0	PB,S,R,BM
Mar 22 2004	12.5"	12mmT4	PB,PS,R,BSNUC,HISB CNTR,PAIRS=4918/4890,R=G	
H49-2	NGC 3599	Leo	Galaxy SA0:	B,PS,R,PGMBM
Jan 08 2003	12.5"	9mmT6	DIF,MF,MS,DNUC,R,FACE ON,GMBM,MHISB IN CNTR,SNUC RGN	
H49-4	NGC 5507	Vir	Galaxy SAB(r)0^	CF,S,R,STELLAR
Apr 26 2003	12.5"	9mmT6	PB,ML,EL,FNUC,SHISB,R SOFT NUC,GBM,PAIR=5506,R=G	
H49-5	NGC 1624	Per	Open Cluster II 1 p n	F,CL,IF,60R7*+NEB
Aug 10 2002	12.5"	24mm	MS,PF,TIGHT GRP,STANDS OUT WELL,20*S,RSLV	
H50-7	NGC 7067	Cyg	Open Cluster II 1 p	CL,P,(NEB)
Sep 04 2002	12.5"	32mm	PB,PS,~20*S,F PATCH IN CL	
H50-8	NGC 2252	Mon	Open Cluster III 2 m n	CL,VL,PRI,LC,STS
Oct 05 2002	12.5"	24mm	PB,PL,~50*S SC AND LOOSE,DIFF MAG	
H51-5	NGC 4236	Dra	Galaxy SB(s)dm	VF,EL,ME160,VGBM
Apr 23 2003	12.5"	9mmT6	DIF,MF,EL-PATCH,LG,PATCHES DET,H2 RGN SUSP,R=G	
H52-4	NGC 7635	Cas	Brn Nebula E	VF,*8INV L EXCENTRIC
Sep 07 2023	12.5"	17mmT4	(Lb 1),DIF,MF,PL,NICE IN FOV,PATCHY AREAS,BKN,SOME AREAS BTR THAN OTHERS,EL	

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H52-4	NGC 7635	Cas	Brt Nebula E	VF,*8INV L EXCENTRIC
Sep 07 2023	12.5"	17mmT4	(Lb 1),DIF,MF,PL,NICE IN FOV,PATCHY AREAS,BKN,SOME AREAS BTR THAN OTHERS,EL SHAPE,W/OIII EDGES HARD TO DEF,(12:21am),R=G	
Jul 31 1981	12.5"	16mm	VDIF,IRR IN SHAPE,NEB SUR B*,BUBBLE NEB	
H52-5	NGC 3359	UMa	Galaxy SB(rs)c	PB,L,E0,GLBM
Mar 15 1985	12.5"	16mm	OVAL,PATCH,UB,*NUC DET	
Mar 15 1985	12.5"	24mm	DIF,MF,PL,L DISFUSE PATCH IN BARREN AREA	
H52-7	NGC 7082	Cyg	Open Cluster IV 2 p	CL,L,CRI,LC,ST10..13
Sep 04 2002	12.5"	32mm	PB,VL,APROX 20-30 *S,LOC IN RICH * FIELD,DOES NOT STAND OUT WELL	
H53-2	NGC 3659	Leo	Galaxy SB(s)m?	CF,S,LE,R
Mar 03 1984	12.5"	12mm	VDIF,MF,MS,PATCHY,OVAL,NND,UB,NO *S	
H53-8	NGC 6507	Sgr	Open Cluster IV 3 m	CL,PS,LRI,LC
Sep 04 2002	12.5"	24mm	MF,PL,~20-30*S SAME MAG,SMWHT F BG GLOW	
H55-7	NGC 7762	Cep	Open Cluster II 2 m	CL,PRI,PC,*11...15
Jul 09 1983	12.5"	24mm	MF,ML,DOESNOT STAND OUT WELL,LOOSE	
H55-8	NGC 6596	Sgr	Open Cluster II 2 m n	CL,LC
Sep 12 2007	31"	31mmT5	VB,VL,~20*S VAR MAG,LTL CL,LOOSE,SC,R=P	
Sep 04 2002	12.5"	24mm	MB,ML,LOOSE,SC,~30*S, SAME MAG,DOESNOT STAND OUT WELL	
H57-7	NGC 2192	Aur	Open Cluster II 2 m	CL,CL,C,IF,ST VS
Oct 20 2006	31"	17mmT4	VB,VL,~50*S SIM MAG,FEW BTR *S,WELL PLACED,CL GOOD,R=G	
H58-8	NGC 6997	Cyg	Open Cluster III 2 m n	CL,P,LC,ST L
Sep 04 2002	12.5"	32mm	VB,EL,~40*S VARYING IN B,WELL PLACED IN 32MM	
H59-1	NGC 2784	Hya	Galaxy SA(s)0⁺:	B,L,ME64,GMBM
Mar 29 2006	31"	17mmT4	VB,VL,EL,BLNUC,HISB CNTR,GMBM,PAIRS=MAC'S,R=G	
H60-1	NGC 1332	Eri	Galaxy S(s)0⁻: sp	VB,S,E114,SMBMN
Nov 11 2020	36"	17mmT4	VB,VL,EL-EDGE ON,VBLNUC,COMP AT BOTH ENDS,MB ARMS,HISB CNTR,GRAN ARMS,PATCHY,PAIRS=N1331/P12827,R=GE	
Oct 24 1981	12.5"	12mm	MB,ML,BNUC,F* OFF W SIDE,OVAL	
Oct 31 1980	12.5"	24mm	PAIR/1325	
Sep 09 1980	12.5"	24mm		
H61-2	NGC 4294	Vir	Galaxy SB(s)cd	F,L,ME135,BIN,P OF 2
Apr 25 1981	12.5"	24mm	DIF,EF,PS,FARMS,PAIR/4299	
H61-8	NGC 1778	Aur	Open Cluster III 2 p	CL,PC,LRI,IF,ST L
Sep 06 2002	12.5"	24mm	PB,ML,~20*S,LOOSELY SC,*S SIM MAG	
H62-2	NGC 4299	Vir	Galaxy SAB(s)dm:	F,L,LE,VGBM,F OF 2
Apr 25 1981	12.5"	24mm	DIF,EF,ES,FARMS,PAIR/4294	
H63-2	NGC 4313	Vir	Galaxy SA(rs)ab: sp	VF,L,E135,R
Apr 26 2003	12.5"	9mmT6	VB,VL,EDGE ON,UB,NND,MHISB,R=E	
H63-4	NGC 5204	UMa	Galaxy SA(s)m	PB,CL,IR,GMBM,R
Apr 03 2005	31"	17mmT4	PB,VL,OVAL,UB,NND,SHISB,CLOSE COMP=MAC,PAIRS=MAC,R=G	
H65-4	NGC 2346	Mon	Planetary Neb 3b+4	*10AFF W/ S,VF,NEB
Dec 28 2008	31"	17mmT4	VB,PL,R,HISB,B CNTR*11,B GREENISH,MORE NEB WITH AV,OIII DOESNOT HELP MUCH,R=E	
Oct 05 2002	12.5"	9mmT6	PB,PS,BNUC,VBM,CNTR * ~8 MAG,R,HISB,BLUE GREEN CNTR RGN	
H66-1	NGC 2781	Hya	Galaxy SAB(r)0⁺	B,S,VLE,PSMBM
Mar 29 2006	31"	17mmT4	PB,VL,EL,BLNUC,HISB CNTR,BM,R=G	
H69-1	NGC 4902	Vir	Galaxy SB(r)b	PB,PL,IR,ST NR
Mar 22 2004	12.5"	12mmT4	MB,PL,OVAL,FLNUC,SHISB,PAIR=4887,R=G	
H69-2	NGC 4608	Vir	Galaxy SB(r)0⁺	PB,PL,R,PSBM,R,*NP1'

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H69-2	NGC 4608	Vir	Galaxy SB(r)0[^]	PB,PL,R,PSBM,R,*NP1'
Jun 04 1981	12.5" 24mm	DIF,MF,PS,DIM HALO,PAIR/4596		
H69-4	NGC 1514	Tau	Planetary Neb 3+2	*9IN NEB3'DIAM
Oct 09 2010	31" 17mmT4	PB,PL,OVAL,OIII HELPS BRING OUT MORE DETAIL IN NEB,DARK PATCHES IN NEB,R=E		
Oct 09 2010	31" 17mmT4	PB,PL,OVAL-R,CNTR* ~9TH MAG,L NEB,SPRIAL IN STR,DARK INNER RING BKN,R=E		
Dec 25 1984	12.5" 16mm	PB,ML,B CNTR *,LOC BET 2B*S,L BALL OF NEB,R,MHISB		
H70-8	NGC 1582	Per	Open Cluster IV 2 p	CL,VL,PRI,LC,ST L
Aug 10 2002	12.5" 25mm	EL,VB,30-40*S,LOOSELY SC,MAG 7-9		
H71-1	NGC 5812	Lib	Galaxy E0	CB,S,R,SVMBM
May 02 1981	12.5" 16mm	VB,VS,BNUC		
H72-1	NGC 3254	LMi	Galaxy SA(s)bc	CB,L,ME45,PSMBMN
Feb 25 1982	12.5" 16mm	DIF,MB,PL,EL,BNUC,F*SW SVRL GLXY DIA,GMBM,TAPERED,KNTY STR SUSP,DIF HALO		
Dec 03 1980	12.5" 24mm			
H72-4	NGC 6888	Cyg	Brn Nebula E	F,VL,VME,**ATT
Jun 23 2022	36" 31mmT5	(Lb 1)DIF,EB,EL,V RICH FOV,CRESCENT EASILY DET,EPSILON SYM,3 B*S IN NEB,NICE DBL * IN NEB,B PATCHES EL,W/OIII,EXCEL,FILLIMENTS,DUST,HINTS OF COLOR,HISB AREAS,MUCH DET,(3:04am),R=GE		
Sep 19 2012	36" 31mmT5	VB,W/OIII,WELL PLACED IN FOV,2 DISTINCT HALVES,ONE BTR THAN OTHER,L LOBS,E DETAIL,AMAZING,R=EE		
Sep 04 2002	12.5" 25mm	PB,PL,B NEB,2B*S WITH GLOW OF NEB BET AND SUR *S		
Sep 04 2002	12.5" 32mm	NEB EASILY DET		
H74-4	NGC 7023	Cep	Brn Nebula R	*7IN EF,EL,NEBY
Sep 07 2023	12.5" 12mmT4	(Lb 1),DIF,VB,ML,B* IN CNTR,GRAN NED DET,NICE FOV,NEB BKN EDGES,OIII NO GOOD,(10:44pm),R=E		
Sep 12 2012	36" 17mmT4	PB,VL,3*S WITH NEB,FINE DETAIL IN WISP OF NEB,GREENISH,OIII NO HELP,PATCHES,DRK AREAS,PAIR=CR 427,R=G		
Jul 09 1983	12.5" 12mm	DIF,MB,MS,GAS SUR B*,SOME DETAIL IN GAS DET		
H74-8	NGC 7031	Cyg	Open Cluster III 2 m	CL OF TRIP ST,LC
Sep 04 2002	12.5" 32mm	PB,PL,FEW B*S WITH MANY F*S,EL IN SHAPE		
H75-4	NGC 7129	Cep	Open Cluster IV 2 p n	CF,PL,GBM***
Sep 12 2012	36" 17mmT4	MB,ML,15*S LTL CL,VAR MAG,SC,PAIR=7133,R=P		
Jun 20 2004	31" 17mmT4	PB,PL,LOOSELY SC,~10 *S,PAIR=7133,R=F		
Aug 11 1982	12.5" 24mm	MF,PS,R-OVAL,4*S ON OUTSIDE EDGE,1F* IN CNTR OF OBJ,SAME FOV AS 7142		
H76-2	NGC 5970	Ser	Galaxy SB(r)c	PF,PL,R,RR
Jun 01 2008	31" 17mmT4	VB,VL,EL-OVAL,BLNUC,HISB,MBM,B BAR ACCROSS NUC,PAIR=PGC55664,R=G		
May 31 1981	12.5" 16mm	DIF,MB,PS,F HALO		
H76-8	NGC 6991	Cyg	Open Cluster III 2 n	CL,L,P,VLC
Sep 04 2002	12.5" 32mm	VB,EL,APROX 50*S,*S SIM IN B,RICH * FIELD		
H77-2	NGC 3338	Leo	Galaxy SA(s)c	F,CL,E,VGBM,*7P10S
Feb 25 1984	12.5" 12mm	DIF,MF,PL,B* CLOSE BY,FACE ON,UB,R		
Jan 30 1981	12.5" 24mm	DIF,PB,VL,DIM HALO,PAIR/3346		
Dec 03 1980	12.5" 24mm			
H77-4	NGC 1325	Eri	Galaxy SA(s)bc	F,ME239,COM,*9.5ATT
Oct 24 1981	12.5" 12mm	DIF,MF,PS,EL,B*W EDGE,NND,UB,F* TO S		
Oct 31 1980	12.5" 24mm	PAIR/1332		
H81-8	NGC 6793	Vul	Open Cluster III 2 p	CL,P,LC
May 30 2022	36" 17mmT4	(III 2 p),EB,EL,ALM FILLS FOV,B* WITH FTR *S,~20*S,LOOSELY,SC,(2:06am),R=F		
Sep 04 2002	12.5" 24mm	PB,PL,LOOSELY SC,*S ~SAME MAG		
H83-2	NGC 4152	Com	Galaxy SAB(rs)c	PB,PL,R,PGMBM,R
Feb 27 1982	12.5" 16mm	VDIF,VF,VS,PATCHY,OVAL,SBM		

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H83-2	NGC 4152	Com	Galaxy SAB(rs)c	PB,PL,R,PGMBM,R
Feb 27 1982	12.5" 16mm		VDIF,VF,VS,PATCHY,OVAL,SBM	
H83-3	NGC 4880	Vir	Galaxy SA(r)0+:	CF,PL,R,VGLBM,R
Mar 22 2004	12.5" 12mmT4		MF,MS,OVAL,PATCH,VFLNUC,SBM,R=F	
H84-8	NGC 1348	Per	Open Cluster III 2 m	CL,LRI,ST L
Aug 10 2002	12.5" 25mm		PB,PL,* VARYING IN MAG,GRP NICELY	
H85-1	NGC 5012	Com	Galaxy SAB(rs)c	PF,CL,E17,BIN,*9F
Mar 22 2004	12.5" 12mmT4		MF,MS,EL,PATCH,UB,SHISB,R=F	
H85-2	NGC 4340	Com	Galaxy SB(r)0+	PB,S,R,PSBM
Feb 12 1983	12.5" 24mm		MB,PS,DNUC,SBM,OVAL,PAIR/4350	
H87-2	NGC 4379	Com	Galaxy S0- pec:	PS,R,PSBMN
Mar 22 2004	12.5" 12mmT4		PF,MS,R,BLNUC,SHISB,HISB CNTR,GMBM,R=G	
H94-3	NGC 4343	Vir	Galaxy SA(rs)b:	PF,S,E,(D)
Apr 26 2003	12.5" 9mmT6		MB,ML,OVAL,SHISB,L B CNTR AREA,R=G	
H102-2	NGC 3596	Leo	Galaxy SAB(rs)c	PF,L,R,GLBM
Mar 03 1984	12.5" 12mm		DIF,MB,PL,FNUC,FSNUC,R,TRI OF *S SUR OBJ,SBM	
Jan 30 1981	12.5" 24mm		DIF,PF,PL,DIM OUTER HALO,PAIR/3593	
H105-2	NGC 4168	Vir	Galaxy E2	PB,PL,IF,PSBM,R,*INV
Apr 26 2003	12.5" 9mmT6		VB,PL,R,BLNUC AREA,VHISB,R=E	
H106-2	NGC 4189	Com	Galaxy SAB(rs)cd?	F,L,LE,VGLBM,R
Feb 22 2020	36" 17mmT4		MB,VL,OVAL,FSNUC,SPR STR SUSP,PATCHY,R=GE	
Apr 25 1981	12.5" 24mm		PB,PS,DNUC,2F*S TO W	
H108-2	NGC 4212	Com	Galaxy SAc:	B,L,E107,G,SBM,R
Feb 27 1982	12.5" 16mm		DIF,MF,PL,B*S,PATCH-OVAL,NND,UB	
H111-2	NGC 4298	Com	Galaxy SA(rs)c	F,L,E,VGBM,P OF 2
Apr 26 2003	12.5" 9mmT6		VB,VL,R,UB,NND,MHISB,B* ON EDGE,PAIR=4302,R=E	
H112-2	NGC 4302	Com	Galaxy Sc	L,VME177,F OF 2
Apr 26 2003	12.5" 9mmT6		PB,PL,EDGE ON,PATCH,UB,NND,SHISB,PAIR=4298,R=E	
H118-1	NGC 3430	LMi	Galaxy SAB(rs)c	PB,L,IE,GBM,2ND OF 3
Jan 08 2003	12.5" 9mmT6		PB,PL,OVAL,HISB,UB,NND,PAIR/3424/3413	
H120-1	NGC 3887	Crt	Galaxy SB(r)bc	PB,L,IR,VGPMBM
Apr 26 2006	31" 17mmT4		MB,VL,OVAL,FLNUC,PATCHY AREAS,DARK AREAS,MINATURE M33,R=E	
H120-3	NGC 5605	Lib	Galaxy (R')SAB(rs)c p:	VF,PL,R,VGBM
May 02 1981	12.5" 16mm		DIF,VF,PL,DIM HALO	
H121-3	NGC 5595	Lib	Galaxy SAB(rs)c	F,PL,R,VGBM,P OF 2
May 02 1981	12.5" 16mm		DIF,PF,PL,EL,FNUC,PAIR/5597	
H122-1	NGC 1637	Eri	Galaxy SAB(rs)c	CB,L,R,VGBM
Oct 30 1981	12.5" 12mm		MB,PL,F*NE EDGE,SPR STR SUSP,*NUC,R,FACE ON	
Oct 31 1980	12.5" 24mm		L,F	
H122-3	NGC 5597	Lib	Galaxy SAB(s)cd	VF,L,VLE,VGLBM,F OF 2
May 02 1981	12.5" 16mm		DIF,VF,PS,F HALO,PAIR/5595	
H125-1	NGC 4586	Vir	Galaxy SA(s)a: sp	PB,L,E,PSBM
Jun 04 1981	12.5" 24mm		DIF,PF,PL,EL,F HALO	
H125-2	NGC 4639	Vir	Galaxy SAB(rs)bc	PB,S,E,R,*12SF1'
Mar 27 1982	12.5" 12mm		DIF,MB,PS,CLOSE TO 4654,R,SBM,F*N EDGE	
H127-1	NGC 5813	Vir	Galaxy E1-2	B,PS,R,PSMBM
Mar 19 2004	12.5" 12mmT4		PF,MS,OVAL,FSNUC,SBM,PAIR=5814,R=F	
H129-2	NGC 5020	Vir	Galaxy SAB(rs)bc	CF,CL,VLE,LBM

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H129-2	NGC 5020	Vir	Galaxy SAB(rs)bc	CF,CL,VLE,LBM
Mar 22 2004	12.5"	12mmT4	VF,ML,OVAL-R,VF SNUC OR * NUC,R=F	
H131-1	NGC 3672	Crt	Galaxy SA(s)c	PB,L,E0,GBM
Apr 26 2006	31"	17mmT4	MB,PL,OVAL,PATCH,UB,SMWHT PATCHY IN CNTR,MHISB,ONESIDE TAPERED,R=E	
H132-1	NGC 2855	Hya	Galaxy (R)SA(rs)0/a	PB,PL,R,GMBMN
Mar 29 2006	31"	17mmT4	VB,VL,R,BLNUC,F HALO,SHISB CNTR,R=G	
H133-1	NGC 4742	Vir	Galaxy E4:	PB,VS,VBMN=*11,*10SF
Mar 22 2004	12.5"	12mmT4	MF,PS,R,BSNUC,SHISB,HISB CNTR,GMBM,R=G	
H134-3	NGC 5523	Boo	Galaxy SA(s)cd:	F,PL,PME90,*10NP
May 06 1981	12.5"	24mm	DIF,VF,ML,EDGE ON,F HALO	
H136-2	NGC 4224	Vir	Galaxy SA(s)a: sp	PB,PS,LE,GBM,R
Apr 25 1981	12.5"	24mm	DIF,PF,PS,FNUC,F HALO,PAIR/4233/4235	
H138-1	NGC 5061	Hya	Galaxy E0	VB,S,R,VSMBM,*10F
Apr 26 2006	31"	17mmT4	VB,ML,R,BLNUC,HISB,GMBM,BM,PAIR=MAC,R=E	
H138-2	NGC 4260	Vir	Galaxy SB(s)a	PB,E,PSBM
Mar 08 2010	31"	17mmT4	MB,ML,EL,FLNUC,SHISB CNTR,R=G	
Apr 25 1981	12.5"	24mm	DIF,PF,PS,FNUC,DIM HALO,PAIR/4261	
H140-2	NGC 4264	Vir	Galaxy SB(rs)0+	F,PS,R,GBM
Mar 08 2010	31"	17mmT4	MB,ML,R,FLNUC,PAIRS=NGC/PGC'S,R=G	
Apr 26 2003	12.5"	9mmT6	MF,MS,OVAL,PATCH,UB,NND,PAIR/4261/4257,R=F	
H141-3	NGC 6907	Cap	Galaxy SBbc	CF,CL,VLE,VGLBM,3STP
Jul 08 1983	12.5"	16mm	EDIF,PF,MS,F* TO E 1 GLXY DIA,UB,NND,OVAL	
Jul 10 1981	12.5"	16mm	DIF,EL,S BAR BRT THAN ANY PART OF GLXY	
H143-2	NGC 4339	Vir	Galaxy E0	B,PL,R,BM,3RD OF 3
Feb 22 2020	36"	17mmT4	PB,ML,R,BLNUC,HISB,GRAN HALO,PAIRS=N4326/N4333,R=G	
Apr 25 1981	12.5"	24mm	DIF,PF,PS,FNUC	
H143-3	NGC 6717	Sgr	Globular VIII	F,S,RR,CL+NEB
Jun 28 2019	36"	17mmT4	(Class IX),MF,PS,SB NUC,HISB,B* CLOSE BY,BKN PARTS OF NEB,OUTER *S RSLV,R=F	
Sep 04 2002	12.5"	9mmT6	PB,ML,B* CLOSE BY,VF* IN EDGE OF GLXY,HISB,2 HALVES OR PARTS DET	
H144-3	NGC 6857	Cyg	Brт Nebula III	F,AM MILKY WAY ST
Jul 24 1981	12.5"	12mm	DIF,3 OR 4 F*S IN NEB,PATCHY	
H147-3	NGC 23	Peg	Galaxy SB(s)a	3S*+NEB
Sep 12 2002	12.5"	9mmT6	PB,PL,VBLNUC,F* IN GLXY, HISB,PAIR/26	
Sep 21 1984	12.5"	12mm	DIF,VF,MS,EL,VF* IN S ARM,SBM	
Jul 07 1981	12.5"	24mm	DIF,EF,MS,FARMS	
Sep 10 1980	12.5"	24mm		
H150-3	NGC 604	Tri	Knot in Galaxy	B,VS,R,VVLBM
Aug 10 2002	12.5"	25mm	VP,PL,B NEB IN M33,CLOSE TO F*	
Aug 10 2002	12.5"	9mmT6	EB,VL,HISB,PATCH,UB	
H151-2	NGC 6106	Her	Galaxy SA(s)c	F,PL,LE,VGBM,R
Feb 27 1982	12.5"	16mm	EDIF,VF,MS,NND,PATCHY-OVAL,SHISB	
H152-1	NGC 821	Ari	Galaxy E6?	PB,VS,VLE,SVMBM,*NP
Oct 22 1982	12.5"	24mm	SAME	
Sep 24 1981	12.5"	24mm	F*S 3 GLXY DIA,11 MAG * N BORDER,HISB,MBM,MF,PS	
Sep 10 1980	12.5"	24mm		
H152-3	NGC 1012	Ari	Galaxy S0/a?	F,PS,IR,BM,ST INV
Oct 23 1982	12.5"	16mm	DIF,MF,MS,OVAL,F* IN S PART,12MM: ,EL N TO S,NND,UB,MHISB	
H157-1	NGC 672	Tri	Galaxy SB(s)cd	F,PL ,ME80

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H157-1	NGC 672	Tri	Galaxy SB(s)cd	F,PL,ME80
Dec 04 2004	31" 17mmT4	PB,EL,EDGE ON,SHISB,VF* OFF NUC,B BAR TRHOUGHOUT,DUST & PATCH AREAS DET,R=E		
Aug 25 1982	12.5" 16mm	SAME		
Sep 23 1981	12.5" 16mm	DIF,MB,MS,DARM,2*S OPPOSITE SIDE,UB,NND,PAIR/670		
Sep 18 1980	12.5" 24mm			
Sep 10 1980	12.5" 24mm			
Sep 07 1980	12.5" 24mm			
Aug 22 1980	12.5" 24mm			
Jul 24 1980	12.5" 32mm	EL,GREAT!!		
H158-1	NGC 1600	Eri	Galaxy E3	PB,PL,R,GMBM
Oct 30 1981	12.5" 12mm	MB,ML,BNUC,F COMP NE 1 GLXY DIA,R,GMBM,PAIR/1601		
Oct 31 1980	12.5" 24mm	DIF,UB,RESEMBLES CRAB NEB		
Sep 09 1980	12.5" 12mm	RESEMBLES * IN S TRI		
H158-2	NGC 4519	Vir	Galaxy SB(rs)d	F,PL,R,BM,R
May 03 1981	12.5" 24mm	DIF,PF,PL,FARM		
H158-3	NGC 499	Psc	Galaxy S0-	PB,PL,R,3RD OF 3
Sep 04 2002	12.5" 9mmT6	PB,ML,OVAL,GBM,MHISB,OTHER GLXY PRESENT		
H159-2	NGC 3681	Leo	Galaxy SAB(r)bc	B,PS,R,BM
Mar 03 1984	12.5" 12mm	DIF,MF,MS,FNUC,OVAL,SBM,FIRST IN A LINE OF OTHERS		
Jan 30 1981	12.5" 24mm	DIF,PF,PS,DIM HALO,SVRL COMP		
H162-3	NGC 1060	Tri	Galaxy S0-	F,PL,R,LBM,*F46S,3'S
Aug 10 2002	12.5" 9mmT6	MF,ML,PATCHY,OVAL,VF* ON EDGE OF GLXY,SBM,COMP,1 OF 3		
H166-1	NGC 4369	CVn	Galaxy (R)SA(rs)a	CB,S,R,MBMN,R
Jan 26 1982	12.5" 16mm	DIF,MF,PS,DNUC,*S SVRL GLXY DIA,R,MBM,NUC DET,DIF HALO SUR NUC		
H166-2	NGC 4267	Vir	Galaxy SB(s)0-?	PB,VS,R,VSMBM
Apr 25 1981	12.5" 24mm	PF,PS,FNUC,DIM HALO		
H169-3	NGC 513	And	Galaxy S?	F,S,STELLAR
Aug 10 2002	12.5" 9mmT6	PF,PS,EDGE ON,BNUC,MHISB,BM,B* CLOSE BY		
H174-1	NGC 4062	UMa	Galaxy SA(s)c	PB,VL,ME97,VGBM
Apr 26 2003	12.5" 9mmT6	VB,VL,EL TO OVAL,UB,V HISB,VF* OFF NUC,R=E		
H177-2	NGC 5600	Boo	Galaxy Sc pec	PB,PS,GBM
May 06 1981	12.5" 24mm	DIF,MB,PS,NND,B HALO		
H177-3	NGC 925	Tri	Galaxy SAB(s)d	CF,CL,E,VGBM,2*13NP
Aug 25 1982	12.5" 16mm	SAME,2F*S N, 1F* IN S PART		
Sep 23 1981	12.5" 16mm	BAR SEEN,2F*S N&S,DIF,MF,PL,KNTY STR SUSP,R,SLT BTR WHERE BAR IS		
Sep 18 1980	12.5" 24mm			
Sep 10 1980	12.5" 24mm	B*S IN GLXY		
Aug 22 1980	12.5" 24mm			
Jul 24 1980	12.5" 24mm	EDIF,EF		
H181-1	NGC 5383	CVn	Galaxy (R')SB(rs)b: p	CB,CL,R,GBM
Jan 28 1982	12.5" 16mm	DIF,MB,ML,FNUC,F*NE SIDE,SBM,R,SPR STR SUSP		
H182-2	NGC 4691	Vir	Galaxy (R)SB(s)0/a pec	PB,PL,E90,MBM
Mar 27 1982	12.5" 12mm	MF,MS,EL,B BAR WITH DIF HALO,NND,HISB ALONG EQ PLANE		
H183-1	NGC 5750	Vir	Galaxy SB(r)0/a	PF,PS,VLE,R
Apr 26 2006	31" 17mmT4	MB,PL,OVAL-R,BNUC,SPRIAL ARMS DET,PATCHY AREAS,BM,SHISB CNTR,R=E		
H184-1	NGC 5728	Lib	Galaxy SAB(r)a:	PF,PL,PME45,MBM,*10S
May 02 1981	12.5" 16mm	PB,PL,EL ,BNUC,DIM HALO		
H189-2	NGC 4981	Vir	Galaxy SAB(r)bc	B,PL,R,*10SF1'

Herschel 400 (II) Observations

H189-2	NGC 4981	Vir	Galaxy SAB(r)bc	B,PL,R,*10SF1'
Mar 22 2004	12.5"	12mmT4	MF,ML,BSNUC,B* ON EDGE,HISB CNTR,GMBM,R=G	
H190-2	NGC 4928	Vir	Galaxy SA(s)bc pec	F,PS,VLE,GLBM
Mar 22 2004	12.5"	12mmT4	MF,MS,R,UB,SHISB,R=F	
H190-3	NGC 7832	Psc	Galaxy E+	VF,VS,R,VGPSMBM,2*SF
Oct 12 2012	36"	17mmT4	MB,MS,OVAL,FLNUC,MHISB,VF* OFF EDGE,R=FG	
Sep 04 2002	12.5"	16mm	DIF,PF,PS,OVAL,GMBM,MHISB,PAIR/PGC 535	
H192-2	NGC 5861	Lib	Galaxy SAB(rs)c	F,L,E,R
May 02 1981	12.5"	16mm	DIF,PF,VL,DIM HALO,F GLXY TO S	
H193-2	NGC 5077	Vir	Galaxy E3-4	PB,S,VLE,SBM,2ND OF3
Apr 26 2006	31"	17mmT4	VB,MS,R,BLNUC,HISB,COMP=MAC,BM,F* OFF NUC,PAIRS=5079/5076/MAC,R=G	
H194-2	NGC 5548	Boo	Galaxy (R')SA(s)0/a	CF,PS,R,VSVMBM*
May 06 1981	12.5"	24mm	MF,ES,DNUC,ONLY CNTR PART OF GLXY SEEN	
H196-1	NGC 4138	CVn	Galaxy SA(r)0+	B,PL,E,VGBM,*NP
Mar 22 2004	12.5"	12mmT4	PB,ML,EL,BLNUC,SHISB,GMBM,HISB CNTR,R=E	
Feb 25 2004	31"	17mmT4	VB,PL,OVAL,BSNUC,SHISB,SPR STR SUSP,HISB CNTR,GMBM,R=E	
H198-3	NGC 1003	Per	Galaxy SA(s)cd	PF,L,E90,MBM,R
Aug 17 1982	12.5"	16mm	DIF,PF,MS,EL,F* IN E PART,NND,PATCHY	
H204-1	NGC 2639	UMa	Galaxy (R)SA(r)a:?	CB,S,E130,PSMBM
Mar 15 1985	12.5"	16mm	PF,PS,EL,SBM,NO *S,FORMS TRI WITH 2 OTHER *S	
Dec 03 1980	12.5"	24mm		
H207-1	NGC 4096	UMa	Galaxy SAB(rs)c	PB,VL,ME32
Mar 22 2004	12.5"	12mmT4	MF,PL,EDGE ON,PATCH,NND,SMWHT BM,CNTR RGN PATCHY,BKN,R=G	
Mar 27 1981	12.5"	24mm		
H208-1	NGC 4157	UMa	Galaxy SAB(s)b? sp	PF,CL,VME60,(DOUBLE)
Apr 23 2003	12.5"	9mmT6	VF,EL,EDGE ON,BNUC,MHISB,DUST LANE SUSP,RES 7331,CNTR BULGE,R=E	
H209-1	NGC 4220	CVn	Galaxy SA(r)0+	CB,PL,PME134,PSBM
Jan 26 1982	12.5"	16mm	MB,VL,BNUC,F HALO,F*NE EDGE,SMWHT OVAL,BM,	
Jan 26 1982	12.5"	24mm	NICE!!,PAIR/4217	
H209-2	NGC 214	And	Galaxy SAB(r)c	PF,PS,GVLBM,R
Aug 31 1984	12.5"	16mm	DIF,MF,PS,IN BARREN * FIELD,VF * DET TO W SVRL GLXY DIA,PATCHY,VB	
Sep 23 1981	12.5"	16mm	BARREN * FIELD,DIF WITH V LTL BIN CNTR,PF,PS	
Sep 10 1980	12.5"	24mm		
H209-3	NGC 7042	Peg	Galaxy Sb	VF,S,R
Aug 10 2002	12.5"	12mm	DIF,MF,PL,OVAL,PATCHY,UB,COMP=7043	
Aug 10 2002	12.5"	9mmT6	DIF,MF,MS,EL,MHISB,MBM	
H210-2	NGC 315	Psc	Galaxy E+:	PB,PL,R,GBM,*9NF3'
Sep 04 2002	12.5"	9mmT6	PB,PL,OVAL,F* IN GLXY EDGE,GMBM,HISP,PAIR/311/318	
H210-3	NGC 7463	Peg	Galaxy SABb: pec	VF,S,LE,P OF 2
Aug 20 2003	31"	25mm	PB,PL,PATCH,UB,NND,SHISB,COMP=7464,PAIRS=7465/7464,R=G	
Jul 29 2003	12.5"	9mmT6	PB,PL,EL,PATCH,UB,PAIR/7464/7465,R=G	
Aug 10 2002	12.5"	9mmT6	DIF,MF,PL,EDGE ON,COMP=7465,SBM	
H211-3	NGC 7465	Peg	Galaxy (R')SB(s)0^:	VF,VS,FOF 2
Aug 20 2003	31"	25mm	PB,PL,BNUC,MHISB,BLNUC,PAIRS=7464/7463,R=E	
Jul 29 2003	12.5"	9mmT6	MB,ML,R,BNUC,HISB,GMBM,LNUC,PAIR/7484/7463,R=G	
Aug 10 2002	12.5"	9mmT6	PB,ML,BNUC,GMBM,OVAL,COMP=7463	
H212-2	NGC 7457	Peg	Galaxy SA(rs)0-?	CB,CL,LE,GMBM,R,2S*N
Aug 10 2002	12.5"	12mm	MF,ML,OVAL,PATCHY,GMBM,MHISB,SPR STR SUSP	

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H212-2	NGC 7457	Peg	Galaxy SA(rs)0-?	CB,CL,LE,GMBM,R,2S*N
Aug 10 2002	12.5" 12mm	MF,ML,OVAL,PATCHY,GMBM,MHISB,SPR STR SUSP		
Sep 21 1984	12.5" 16mm	MF,MS,*NUC,SLT EL2*S SAME MAG SW CLOSE BY		
Jul 07 1981	12.5" 24mm	DIF,MF,PS,FNUC		
Sep 10 1980	12.5" 24mm			
H217-1	NGC 1579	Per	Brn Nebula R	PB,VL,IR,MBM,*8 2'NF
Oct 18 2023	12.5" 17mmT4	(Lb 1),DIF,MB,MS,B GREENISH PATCHY NEB,MBM,F* ARND NEB,WITH 12MM,PATCH IF BKN WITH S PATCH TO SIDE,OIII NO GOOD,(1:59am),R=G		
Sep 27 2005	31" 17mmT4	VB,VL,PATCH,UB,MHISB,EM NEB,PATCHY,B PATCHES DET,IRR IN SHAPE,R=G		
Aug 10 2002	12.5" 16mm	PB,PL,B NEB,MHISB,NO *S,UB		
Aug 10 2002	12.5" 9mmT6	PATCH,UB		
H220-2	NGC 410	Psc	Galaxy E+:	PB,PL,NF OF 2
Sep 04 2002	12.5" 9mmT6	PB,PL,OVAL,GBM,MHISB,PAIR/407/414		
H223-3	NGC 175	Cet	Galaxy SB(r)ab	PB,PL,E,GBM,R
Sep 24 1981	12.5" 16mm	EXT DIF,EF,VS,BLURR,FORMS EQ TRIANGLE WITH *S SAME MAG		
H225-2	NGC 890	Tri	Galaxy SAB(r)0-?	B,S,R,BM,3F*SP
Aug 25 1982	12.5" 16mm	APPEARS AS E2 GLXYAXY,MHISB TOWARDS CNTR		
Sep 23 1981	12.5" 16mm	MF,PS,F*W SIDE,SBM,R		
Sep 18 1980	12.5" 24mm			
H232-1	NGC 5485	UMa	Galaxy SA0 pec	CB,R,VGBM,F OF 2
Mar 06 2003	12.5" 9mmT6	PB,PL,PATCH,MHISB,SGBM,PAIR/5486/5484,R=G		
Mar 27 1981	12.5" 24mm			
H233-2	NGC 7332	Peg	Galaxy S0 pec sp	CB,S,ME156,SMBMN,P-2
Sep 14 2012	36" 17mmT4	VB,VL,EDGE ON,BSNUC,E PAIR,CNTR BULGE,GMBM,HISB CNTR,PAIR=7339,R=E		
Aug 10 2002	12.5" 12mm	SAME		
Sep 21 1984	12.5" 12mm	SAME,NO *S		
Jul 06 1983	12.5" 16mm	MF,MS,EDGE ON,BNUC,CLOSE PAIR/7339,MINATURE M104,BBULGE,TAPERED ENDS		
Sep 18 1982	12.5" 16mm	MB,ML,EDGE ON,BNUC,GMBM,TAPERED,PAIR/7339		
Jul 29 1981	12.5" 16mm	EDGE ON,GMBM		
Jul 07 1981	12.5" 16mm	DIF,MB,ML,F HALO,F COMP CLOSE BY		
Sep 10 1980	12.5" 24mm			
Sep 07 1980	12.5" 24mm			
Jul 15 1980	12.5" 24mm			
Jul 12 1980	12.5" 24mm			
Jul 11 1980	12.5" 24mm	LOC BET 2B*S		
H235-1	NGC 5585	UMa	Galaxy SAB(s)d	PF,L,IR,VGMBM,R
Jun 01 2003	12.5" 9mmT6	VDIF,VF,VL,OVAL,PATCH,NND,PATCH AREA'S IN VAR PARTS DET,R=F		
H239-2	NGC 1161	Per	Galaxy S0	F,PS,LE,SBM
Aug 17 1982	12.5" 16mm	MF,PS,BNUC,2B*S JUST OFF TO W TIP,R,GBM,MHISB,PAIR/1160		
H240-2	NGC 7814	Peg	Galaxy SA(s)ab: sp	CB,CL,E,VGBM
Sep 21 1984	12.5" 16mm	MB,PL,EL,SOFT LNUC,HISB,NO *S		
Jul 07 1981	12.5" 24mm	DIF,MF,ML,VF HALO		
Sep 10 1980	12.5" 24mm			
H245-1	NGC 3642	UMa	Galaxy SA(r)bc:	PB,PL,R,VGBM
Mar 15 1985	12.5" 16mm	DIF,PF,PS,OVAL-PATCHY,SBM		
H245-3	NGC 1187	Eri	Galaxy SB(r)c	PF,CL,PME,GBM*16,R
Oct 24 1981	12.5" 12mm	DIF,MF,PL,F*IN GLXY SUSP,L PATCH,OVAL,NNS IN 16MM		
Oct 31 1980	12.5" 24mm			

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H245-3	NGC 1187	Eri	Galaxy SB(r)c	PF,CL,PME,GBM*16,R
Oct 31 1980	12.5"	24mm		
Sep 09 1980	12.5"	24mm		
H246-1	NGC 3683	UMa	Galaxy SB(s)c?	CB,PL,E
Mar 15 1985	12.5"	16mm	DIF,PF,PS,EL,UB,NND,NO *S,COMP TO NW = 3674	
H246-3	NGC 1353	Eri	Galaxy SB(rs)b:	PB,CL,IE,MBM
Oct 24 1981	12.5"	12mm	DIF,MF,PL,EDGE ON,F*N EDGE,UB,NND	
Oct 31 1980	12.5"	24mm	* AT EDGE OF GLXY	
H247-2	NGC 7177	Peg	Galaxy SAB(r)b	PB,PS,R,BMN,R,*SP
Aug 10 2002	12.5"	9mmT6	VDIF,VF,PS,PATCHY,SLT ,EL	
Sep 21 1984	12.5"	16mm	MB,PL,BNUC,R,BM,4F*S IN A LOOP STARTING TOWARDS S,MHISB	
Aug 25 1982	12.5"	16mm	MB,PL,MHISB,F*S 1 GLXY DIA,R,VMBM	
Jul 07 1981	12.5"	16mm	DIF,MF,PS,DIM HALO	
Sep 10 1980	12.5"	24mm		
Jul 15 1980	12.5"	24mm		
Jul 11 1980	12.5"	24mm		
H252-2	NGC 514	Psc	Galaxy SAB(rs)c	F,L,LE,VGLBM,**F
Sep 24 1981	12.5"	16mm	PDIF,VF,VL,E OF B*,F* W SIDE,F* TO S SVRL GLXY DIA,PATCHY,NND,UB	
Oct 31 1980	12.5"	24mm	VDIF,SIM TO M33	
H253-2	NGC 660	Psc	Galaxy SB(s)a pec	PB,PL,E,BM,R
Sep 04 2002	12.5"	9mmT6	DIF,MF,PL,IRR IN SHAPE,KNTS SUSP,NND,PATCH	
H254-1	NGC 4605	UMa	Galaxy SB(s)c pec	B,L,VME118,GLBM
Mar 26 2006	31"	17mmT4	EB,VL,EL,UB,HISB PATCHES DET,* OFF ONE SIDE,CNTR BULGE,R=E	
H255-1	NGC 5308	UMa	Galaxy S0- sp	B,PL,ME57,PSMBEN
Apr 03 2005	31"	17mmT4	PF,PL,EDGE ON,BLNUC,HISB CNTR,DUST SUSP,TAPERED ENDS,BULGE,R=E	
H255-2	NGC 7742	Peg	Galaxy SA(r)b	CB,CS,GMBM,*12F72"
Sep 21 1984	12.5"	16mm	DIF,PF,MS,F* TO W SIDE,R,PATCHY,SBM	
Jul 07 1981	12.5"	24mm	DIF,VF,MS,F HALO	
Sep 10 1980	12.5"	24mm		
H255-3	NGC 3156	Sex	Galaxy S0:	F,CS,R,PSBM,*9,10SF2
Nov 24 2006	12.5"	12mmT4	PB,ML,EL-OVAL,BSNUC,MHISB,R=G	
H258-1	NGC 1491	Per	Brт Nebula E	VB,S,IF,BM,R,*INV
Oct 18 2023	12.5"	17mmT4	(Lb 1),DIF,MB,ML,GRAN,BLUEISH/GREEN,EL PATCHY NEB WITH A WEIRD SHAPE,EDGES FADE TO BLACK,OIII NO GOOD,(1:12am),R=G	
Aug 10 2002	12.5"	25mm	PB,PL,MHISB,IRR IN SHAPE,B NEB,L PATCH	
H260-1	NGC 2880	UMa	Galaxy SB0-	B,CS,R,MBM,AM ST
Apr 14 2004	31"	17mmT4	PB,ML,R,BLNUC,HISB,GRADUADLY MBM,PAIR=PGC26940,R=G	
Mar 15 1985	12.5"	12mm	DIF,PF,VS,OVAL-R,BM,LINE OF F*S TO N,B* OFF TO E	
H262-1	NGC 3682	Dra	Galaxy SA(s)0/a:?	CB,S,IR,SPMBMN
Apr 03 2005	31"	17mmT4	PB,MS,EL,BLNUC,HISB CNTR,R=G	
H264-1	NGC 4250	Dra	Galaxy SAB(r)0+	PB,S,R,PGBM
Feb 04 2005	31"	17mmT4	PB,ML,R,BLNUC,HISB CNTR,GMBM,R=G	
H264-2	NGC 2139	Lep	Galaxy SAB(rs)cd	F,S
Nov 22 2006	12.5"	12mmT4	MF,MS,OVAL,PATCH,UB,NND,SHISB,R=G	
Oct 05 2002	12.5"	9mmT6	VDIF,MF,PL,PATCH,OVAL,F* OFF ONE SIDE	
H265-2	NGC 2196	Lep	Galaxy (R')SA(s)a	PF,PS,VLE,PMBM,ST NR
Oct 05 2002	12.5"	9mmT6	DIF,PF,PL,FNUC,OVAL,SBM	
Dec 03 1980	12.5"	24mm		

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H265-2	NGC 2196	Lep	Galaxy (R')SA(s)a	PF,PS,VLE,PMBM,ST NR
Dec 03 1980	12.5" 24mm			
H268-2	NGC 3078	Hya	Galaxy E2-3	PB,S,R,MBM
Mar 29 2006	31" 17mmT4	MB,MS,OVAL,BLNUC,* OFF NUC,GMBM,HISB CNTR,R=G		
H269-2	NGC 3585	Hya	Galaxy E6	B,PL,E,VSMBMN,2B*TRI
Mar 29 2006	31" 17mmT4	VB,VL,OVAL,BLNUC,MHISB,GMBM,HISB CNTR,R=G		
H270-2	NGC 718	Psc	Galaxy SAB(s)a	PB,S,IR,PSMBM
Sep 24 1981	12.5" 16mm	MF,PS,DNUC,EF* SVRL GLXY DIA TO W,SUDLY MBM,R,DIM HALO		
Oct 31 1980	12.5" 24mm			
H271-2	NGC 741	Psc	Galaxy E0:	PF,S,R,POF2,POS102
Sep 19 2020	36" 17mmT4	PB,PL,OVAL,BLNUC,HISB CNTR,PAIR=742,R=G		
Sep 24 1981	12.5" 16mm	DIF,MF,PS,COMP TO N SUSP,JUST W OF B* 3 GLXY DIA,BARELY BM,CLASS E1		
H271-3	NGC 2283	CMa	Galaxy SB(s)cd	3OR4S*+NEB
Oct 05 2002	12.5" 9mmT6	DIF,PB,ML,F* ON BOTH ENDS,STELL NUC, OVAL,PATCH		
H273-2	NGC 1070	Cet	Galaxy Sb	PF,S,IR,GBM
Sep 06 2002	12.5" 9mmT6	PB,PL,L CNTR BULGE,GBM,MHISB		
H275-1	NGC 4291	Dra	Galaxy E	PB,VS,R,LBM,3*F
Feb 04 2005	31" 17mmT4	PB,MS,OVAL,BSNUC,MHISB,2**S 90 DEG ON EDGE,PAIRS=4319/PGC39763/MAC,R=G		
H276-1	NGC 4319	Dra	Galaxy SB(r)ab	PB,PS,VLE,SBM
Feb 04 2005	31" 17mmT4	PB,ML,OVAL,FSNUC,SHISB,* OFF EDGE,GMBM,PAIRS=4291/PGC39763/MAC,R=G		
H276-2	NGC 4045	Vir	Galaxy SBa	PF,L,R,SBM,*SF
Apr 26 2003	12.5" 9mmT6	MB,ML,OVAL,BNUC,MHISB,BLNUC,R=G		
H277-2	NGC 4073	Vir	Galaxy E+	F,PS,R,PGBM,NP OF 2
Mar 25 2020	36" 17mmT4	VB,PL,OVAL,BLNUC,HISB,GRAINY HALO MHISB,PAIRS=7 OTHERS,R=G		
Apr 26 2003	12.5" 9mmT6	PB,ML,OVAL,BNUC,MHISB,BSNUC,MANY COMP,FOV RICH IN GLXY,R=G		
H278-1	NGC 4133	Dra	Galaxy SABb:	PB,CL,R,GMBM
Mar 06 2003	12.5" 9mmT6	DIF,R,PATCH,UB,R=F		
H279-2	NGC 1507	Eri	Galaxy SB(s)m pec?	VF,PL,ME,VLBM,ER
Oct 30 1981	12.5" 12mm	DIF,PF,ML,EDGE ON,SLT HISB,NND,F*E,2**S W 1 GLXY DIA,EDGES TAPERED		
H283-2	NGC 636	Cet	Galaxy E3	PB,VS,R,MBM,R
Sep 27 1981	12.5" 16mm	PF,PS,SNUC,GRAD MB,DIF NUC		
Sep 10 1980	12.5" 24mm			
Sep 07 1980	12.5" 24mm	F,ASSOC IN S CL		
H284-2	NGC 1035	Cet	Galaxy SA(s)c?	PF,L,ME,R,*17ATT SF
Sep 27 1981	12.5" 16mm	DIF,MF,MS,EDGE ON,14* S ARM,NND,OBLONG,UB		
Sep 18 1980	12.5" 24mm			
H291-2	NGC 1421	Eri	Galaxy SAB(rs)bc:	F,CL,ME0,R
Oct 24 1981	12.5" 12mm	DIF,MF,ML,EDGE ON,UB,NND		
Oct 31 1980	12.5" 24mm	EDGE ON,IMPRESSIVE!!		
Sep 09 1980	12.5" 24mm			
H292-2	NGC 1832	Lep	Galaxy SB(r)bc	PB,IR,MBM,C*NF1'
Oct 24 1981	12.5" 12mm	DIF,MF,ML,W OF B*,NND,OVAL,UB,24MM-SBM,MHISB		
Oct 31 1980	12.5" 24mm			
H295-2	NGC 4024	Crv	Galaxy SAB0-	F,VS,IF,BM
Mar 22 2004	12.5" 12mmT4	MF,MS,OVAL,BLNUC,HOD HISB CNTR,R=G		
May 03 1981	12.5" 24mm	PB,PS,BNUC		
H301-2	NGC 4984	Vir	Galaxy (R)SAB(rs)0+	B,PL,R,PSMBM
Mar 22 2004	12.5" 12mmT4	MB,ML,R,BLNUC,SHISB,HISB CNTR,GMBM,R=G		

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H301-2	NGC 4984	Vir	Galaxy (R)SAB(rs)0+	B,PL,R,PSMBM
Mar 22 2004	12.5"	12mmT4	MB,ML,R,BLNUC,SHISB,HISB CNTR,GMBM,R=G	
H304-2	NGC 2316	Mon	Brт Nebula E+R	PF,S,R,R,S ST INV
Oct 05 2002	12.5"	9mmT6	EL,MHISB,DIF NEB,APPEARS AS AN IRR GLXYAXY	
H306-3	NGC 5056	Com	Galaxy Scd:	CF,CS,R,SP OF 2
Mar 22 2004	12.5"	12mmT4	VF,MS,PATCH,UB,NND,PAIR=5057,R=P	
H309-2	NGC 5426	Vir	Galaxy SA(s)c pec	PF,CL,R,GMBM,SP OF 2
Apr 26 2006	31"	17mmT4	MF,MS,EL,FLNUC,PATCHY,IRR IN SHAPE,F HALO,PAIR=5427,R=G	
H311-2	NGC 2986	Hya	Galaxy E2	PB,PS,IR,MBM
Mar 29 2006	31"	17mmT4	MB,ML,OVAL,BLNUC,* IN EDGE,MHISB CNTR,GMBM,PAIR=PGC27873/MAC,R=G	
H312-2	NGC 5068	Vir	Galaxy SAB(rs)cd	F,L,IR,BM
Apr 26 2006	31"	17mmT4	DIF,MF,PL,PATCH,NND,H2 RGN FROM NUC,PATCHY ARMS,L AREA OF F HALO,R=F	
H313-2	NGC 5084	Vir	Galaxy S0 sp	CB,CS,VLE90,BF
Apr 26 2006	31"	17mmT4	MB,ML,EDGE ON,BLNUC,TAPERED ENDS,MHISB MID,CNTR BULGE,PAIR=PGC46489,R=E	
H314-2	NGC 5134	Vir	Galaxy SA(s)b?	F,PS,LE,VGBM
Apr 26 2006	31"	17mmT4	MB,MS,EL,BLNUC,SHISB CNTR,R=G	
H321-2	NGC 4136	Com	Galaxy SAB(r)c	F,VL,VGMBM
Feb 27 1982	12.5"	16mm	DIF,MF,PL,PATCHY,FACE ON,ARMS SUSP,UB,OVAL	
Jan 26 1982	12.5"	16mm	MB,ML,FNUC,CLOSE TO B*,*NUC,HISB,OVAL	
H333-2	NGC 3065	UMa	Galaxy SA(r)0^	PF,VS,R,BM,*11NR
Mar 06 2003	12.5"	9mmT6	PB,ML,R,BNUC,BLNUC,HISB CNTR,PAIR=3066,R=G	
Mar 15 1985	12.5"	12mm	VF,MS,OVAL,BM,3066 CLOSE BY,F*NE SVRL GLXY DIA	
H336-2	NGC 3516	UMa	Galaxy (R)SB(s)0^:	PB,VS,IR,PSMBM*
Mar 15 1985	12.5"	12mm	PF,PS,R,BM,F* CLOSE BY SVRL GLXY DIA	
H339-2	NGC 3689	Leo	Galaxy SAB(rs)c	PB,PL,LE,BM
Mar 03 1984	12.5"	12mm	MF,MS,EL,SBM,CIGAR SHAPE	
H358-2	NGC 3274	Leo	Galaxy SABd?	F,PL,R,GLBM,D* F
Feb 21 2020	36"	17mmT4	PF,ML,OVAL,FLNUC,SMWHT BM,R=G,TIME 12:08AM	
Feb 25 1984	12.5"	12mm	VDIF,VF,MS,PATCHY,WIDE TRI OF *S SUR OBJ,UB,NND	
Jan 30 1981	12.5"	24mm	DIF,PF,PL,FNUC,F HALO	
H358-3	NGC 4169	Com	Galaxy S0	F,S,1ST OF 4
Feb 21 2020	36"	17mmT4	MB,MS,BLNUC,CL OF 4,R=FG,TIME 1:35AM	
May 30 2014	36"	17mmT4	PB,ML,OVAL,BLNUC,GMBM,GRAN CORE,PAIRS=4171,4175,4174,R=GE	
Mar 17 2009	31"	17mmT4	VB,VL,OVAL,BLNUC,HISB CNTR,OTHERS PRESENT,E GRP,R=E	
Feb 27 1982	12.5"	16mm	PF,VS,BNUC,F*S 1 GLXY DIA,SBM,R,CLOSE PAIR/4170/4175 IN TRI SHAPE	
H373-2	NGC 4185	Com	Galaxy Sbc	CF,L,R,GBM
Feb 21 2020	36"	17mmT4	MB,PL,OVAL,PATCH,UB,NND,F* OFF EDGE,R=F,TIME 1:41AM	
Feb 21 2020	36"	17mmT4	PF,PL,OBAL,PATCH,UB,NND,R=F,TIME 1:38AM	
Feb 27 1982	12.5"	16mm	VDIF,VF,ML,F*SW EDGE,NND,UB,R,FACE ON	
H378-2	NGC 4310	Com	Galaxy SB0	F,CL,LE,N OF 2
Feb 21 2020	36"	17mmT4	MF,PL,OVAL,PATCH,UB,NND,R=F,TIME 2:02AM	
Apr 26 2003	12.5"	9mmT6	MB,ML,OVAL,PATCH,UB,SHISB,R=G	
H406-2	NGC 4336	Com	Galaxy SB0/a	VF,PL,IR,(BIN)
Apr 26 2003	12.5"	9mmT6	VB,PL,OVAL,UB,VHISB,R=E	
H413-2	NGC 4956	CVn	Galaxy S0	PB,CS,R,SMBM
Mar 22 2004	12.5"	12mmT4	R,BLNUC,SBM,SHISB CNTR,R=F	
H413-3	NGC 5445	CVn	Galaxy S0?	F,*13P
Feb 25 1982	12.5"	16mm	VDIF,VF,VS,EL,F*S EDGE,NND,CIGAR SHAPE,B* OFF NE,PAIR/5444	

Herschel 400 (II) Observations

H413-3	NGC 5445	CVn	Galaxy S0?	F,*13P
Feb 25 1982	12.5" 16mm		VDIF,VF,VS,EL,F*S EDGE,NND,CIGAR SHAPE,B* OFF NE,PAIR/5444	
H414-3	NGC 5529	Boo	Galaxy Sc: sp	CF,PL,VME110,VGVMBM
Mar 26 2006	31" 17mmT4		PB,VL,EDGE ON,UB,NND,L CNTR REG,SLT BULGE IN CNTR,PAIR=P50952,R=E	
H416-2	NGC 5440	CVn	Galaxy Sa	PF,CS,LE,BM,*11SP
May 13 2021	36" 17mmT4		VB,VL,EL-OVAL,BLNUC,MHISB,TAPERED ENDS,GRAN HALO,HISB CNTR,* IN EDGE,PAIR=N5441,R=GE	
Feb 25 1982	12.5" 16mm		VDIF,PS,MF,EL,FNUC,NND,F*S TIP,UB,SBM	
H417-2	NGC 5444	CVn	Galaxy E+:	PB,PL,IVLE,VSMBM
Jan 28 1982	12.5" 16mm		MF,PS,BNUC,R,GBM,F* OFF TO S,PAIR/5445	
H417-3	NGC 5590	Boo	Galaxy S0	CF,S,R,BM*,SF OF 2
Mar 26 2006	31" 17mmT4		PB,ML,R,BLNUC,F HALO,SBM,HISB CNTR,MHISB,PAIR=5589/PGC51285,R=G	
H418-2	NGC 5533	Boo	Galaxy SA(rs)ab	PB,R,VSMBM,20R3*INV
May 06 1981	12.5" 24mm		DIF,VF,PL,F HALO	
H430-2	NGC 7541	Psc	Galaxy SB(rs)bc: pec	B,L,ME97,MBM,NF OF 2
Sep 17 2009	31" 17mmT4		VB,EL,EL,UB,NND,HISB,IRR,ONE END THICKER THAN OTHER,PAIR=7537,E PAIR,R=E	
Oct 30 1981	12.5" 24mm		F,E1 GLXY CLOSE BY	
Oct 31 1980	12.5" 24mm		FT ELIPTICAL COMP BESIDE OBJ	
H431-2	NGC 7600	Aqr	Galaxy S0- sp	CF,S,R,PSMBM
Jul 10 1981	12.5" 16mm		SMWHT EDGE ON,DIF,PF,PS,F HALO	
H433-2	NGC 337	Cet	Galaxy SB(s)d	PF,L,E,GLBM,*10F21S
Sep 27 1981	12.5" 16mm		DIF,MB,ML,HISB,NND,PATCHY,OVAL	
Sep 10 1980	12.5" 24mm			
Sep 09 1980	12.5" 24mm			
H434-2	NGC 357	Cet	Galaxy SB(r)0/a:	F,S,IR,SBM,*14NF20"
Sep 27 1981	12.5" 16mm		DIF,MF,PS,OVAL,SBM,BH-2 RGN SUSP,PATCHY-DUSTY,F* SE	
H434-3	NGC 991	Cet	Galaxy SAB(rs)c	VF,CL,IF,VLBM
Sep 27 1981	12.5" 16mm		VDIF,VF,PL,12 MAG * S ARM,FACE ON?,NND,UB,BTR IN 24MM	
Sep 18 1980	12.5" 24mm			
H435-3	NGC 7623	Peg	Galaxy SA0^:	F,VS,R,PSBM
Sep 27 1981	12.5" 16mm		VDIF,MF,PS,NNS,R,DIF HALO,4 COMP GLXY	
H439-2	NGC 7619	Peg	Galaxy E	CB,PS,R,PSBM
Oct 04 2005	31" 17mmT4		VB,VL,R,BLNUC,HISB,GMBM,PAIR=7619,R=E	
Sep 21 1984	12.5" 12mm		PF,PS,3 COMP DET,FORMS A TRI WITH A B* IN CNTR,R,BM,NO *S	
Sep 24 1981	12.5" 16mm		MF,PS,DNUC,R,GBM	
Oct 31 1980	12.5" 24mm		PAIR/7626	
Sep 07 1980	12.5" 24mm		COMP PRESENT,BOTH HAVE BNUC	
H440-2	NGC 7626	Peg	Galaxy E pec:	CB,PS,R,PSBM
Sep 21 1984	12.5" 12mm		PF,PS,F* CLOSE BY,R-OVAL,SBM,PAIR/7619	
Sep 24 1981	12.5" 16mm		MF,PS,DNUC,COMP SUSP SE BY B*,SAME VIS APPAREANCE AS 7619,PAIR/7319	
Oct 31 1980	12.5" 24mm		PAIR/7619	
H449-3	NGC 1114	Eri	Galaxy SA(r)c	PF,PL,PME,GLBM
Sep 06 2002	12.5" 9mmT6		EDIF,PF,PL,EL,UB,NND	
H452-3	NGC 7156	Peg	Galaxy SAB(rs)cd:	F,PL,R,BM,R
Aug 10 2002	12.5" 9mmT6		VDIF,VF,PL,OVAL,UB,NND	
H453-3	NGC 1762	Ori	Galaxy SA(rs)c:	VF,VS
Sep 06 2002	12.5" 9mmT6		DIF,PF,MS,OVAL,*NUC,SBM,MHISB	
H455-3	NGC 1073	Cet	Galaxy SB(rs)c	VF,L,LBM,ER

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H455-3	NGC 1073	Cet	Galaxy SB(rs)c	VF,L,LBM,ER
Sep 27 1981	12.5" 16mm	VDIF,MF,VL,SBM,R-OVAL,UB,NND,BTR IN 24MM		
Sep 18 1980	12.5" 24mm			
Sep 09 1980	12.5" 32mm	EL,PF,JUST BELOW S TRI OF *S		
H461-3	NGC 24	ScI	Galaxy SA(s)c	VF,CL,ME,GBM
Sep 04 2002	12.5" 16mm	PB,PL,EDGE ON,UB,MHISB,F* IN EDGE OF GLXY		
H465-2	NGC 1090	Cet	Galaxy SB(rs)bc	VF,PL,IR,BM
Sep 19 2020	36" 17mmT4	MF,VL,OVAL,NND,SHISB,* OF NUC,GRAN,R=F		
Sep 27 1981	12.5" 16mm	MDIF,MF,PL,FACE ON,NND,UB,OVAL SHAPE,PAIR/1087 AND ANOTHER		
Sep 09 1980	12.5" 16mm	SAME FOV WITH 1087		
H466-2	NGC 1087	Cet	Galaxy SAB(rs)c	PB,CL,LE,MBM
Sep 19 2020	36" 17mmT4	MF,VL,OVAL,VFSNUC,SHISB,FACE ON,SPR STR SUSP,PATCHY,GRAN,R=FG		
Sep 27 1981	12.5" 16mm	MB,PL,OVAL,HISB,SBM,PAIR/1090 AND ANOTHER		
Oct 29 1980	8" 24mm			
Sep 18 1980	12.5" 24mm			
Sep 09 1980	12.5" 24mm	PAIR/1090		
H467-2	NGC 7562	Psc	Galaxy E2-3	CB,PS,IR,PSBM
Sep 04 2002	12.5" 16mm	PF,PS,OVAL,GMBM,L NEC AREA,PAIR/7562A/7557		
H468-2	NGC 7785	Psc	Galaxy E5-6	PB,PS,IR,PSBM,R,*8P
Sep 27 1981	12.5" 16mm	MF,MS,BNUC,NE OF 1 B*,HISB,GMBM		
H469-3	NGC 1162	Eri	Galaxy E:	F,R,GLBM,STELLAR
Sep 06 2002	12.5" 9mmT6	PB,PL,OVAL,BM,BLNUC,SBM		
Sep 06 2002	12.5" 9mmT6	PF,PS,R,SVRL VF*S IN ARMS OF GLXY,SNUC RGN		
H478-2	NGC 151	Cet	Galaxy SBbc	PF,PL,LE90,VGLBM
Sep 24 1981	12.5" 16mm	DIF,MB,ML,EL,F* OFF E SIDE,SBM		
Sep 10 1980	12.5" 24mm			
Sep 07 1980	12.5" 24mm	F,LOC 157 FIRST		
H480-2	NGC 217	Cet	Galaxy S0/a: sp	F,S,LE90,GLBM
Sep 04 2002	12.5" 9mmT6	MB,PL,EDGE ON,TAPERED,UB,L CNTR BULGE		
H480-3	NGC 4241	Vir	Galaxy SB(s)cd	VF,L,VGBM,*7 S; = IC 3103
Mar 05 2021	36" 17mmT4	MB,ML,OVAL,SOFT LNUC,MHISB,GRAN,R=G		
H488-2	NGC 1045	Cet	Galaxy SA0- pec?	F,S,R,BM
Sep 06 2002	12.5" 9mmT6	DIF,PB,PL,OVAL PATCH,SBM,SHISB		
H492-2	NGC 3067	Leo	Galaxy SAB(s)ab?	PB,PL,E106,GBM,*94'P
Feb 25 1984	12.5" 12mm	DIF,VF,VS,EL,NND,UB,PATCHY,NO *S		
Jan 30 1981	12.5" 24mm	PF,DIF,VS,F HALO		
H494-2	NGC 3424	LMi	Galaxy SB(s)b: ?	PF,PL,LE,SP OF 3
Jan 08 2003	12.5" 9mmT6	PB,ML,EDGE ON,STR SUSP,DUST,F* IN EDGE,HISP,PAIR/3430/3413		
H496-2	NGC 4233	Vir	Galaxy S0^	PF,R,VSBMSN
Apr 25 1981	12.5" 24mm	DIF,PS,PS,FNUC,F HALO,PAIR/4224/4235		
H500-3	NGC 1779	Eri	Galaxy (R')SAB(r)0/a?	PB,S,R,GPMBM
Sep 06 2002	12.5" 9mmT6	PB,ML,MHISB IN CNTR,OVAL PATCH,LNUC		
H502-2	NGC 1172	Eri	Galaxy E+:	PF,PL,R,PSBM
Oct 24 1981	12.5" 12mm	VDIF,PF,VS,BARELY VISIBLE IN 24MM,SM,R-OVAL,SBM,NUC SUSP		
H503-2	NGC 1199	Eri	Galaxy E3:	CB,PS,IR,SMBM
Sep 16 2009	31" 17mmT4	EB,EL,R,BLNUC,HISB,OTHERS,R=E		
Oct 24 1981	12.5" 12mm	DIF,MF,MS,BNUC,GBM,R		
H504-2	NGC 1209	Eri	Galaxy E6:	B,S,CE,PSBM

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H504-2	NGC 1209	Eri	Galaxy E6:	B,S,CE,PSBM
Oct 24 1981	12.5"	12mm	DIF,MF,PS,NEC DET,R,SIM TO 1199	
H510-2	NGC 5037	Vir	Galaxy SA(s)a:	CF,PS,VLE,BM
May 09 2010	31"	17mmT4	MB,ML,EL-EDGE ON,FLNUC,F* OFF TIP,ANOTHER VF* OPPOSITE TIP,MANY OTHERS,R=G	
Mar 22 2004	12.5"	12mmT4	MF,MS,EL,FSNUC,F* IN TIP,SBM,PAIR=5044 AND OTHERS,R=F	
H511-2	NGC 5044	Vir	Galaxy E0	PB,PL,R,BM
May 09 2010	31"	17mmT4	MB,ML,OVAL,FVLNUC,S HALO SUR NUC,SBM,NUC UB,SHISB CNTR,MANY OTHERS,R=G	
Mar 22 2004	12.5"	12mmT4	MB,ML,OVAL,PATCH,FLNUC,SHISB CNTR,PAIR=OTHERS,R=G	
H517-2	NGC 4904	Vir	Galaxy SB(s)cd	PB,PS,R,BM
Mar 22 2004	12.5"	12mmT4	PF,MS,OVAL,PATCH,FLNUC,SBM,R=F	
H518-3	NGC 3145	Hya	Galaxy SB(rs)bc	F,PL,R,VGSLBM
Mar 29 2006	31"	17mmT4	MB,PL,EL-OVAL,SOFT LNUC,GMBM,R=G	
H520-2	NGC 2765	Hya	Galaxy S0	VF,PL,E,GBM,ER
Mar 29 2006	31"	17mmT4	PB,PL,EL,BSNUC,SHISB,DUST LANE SUSP,R=G	
H521-2	NGC 3611	Leo	Galaxy SA(s)a pec	PF,CS,IR,PSMBM,*NP3'
Mar 03 1984	12.5"	12mm	DIF,VF,VS,FNUC,R,BM,B* TO W	
H524-2	NGC 1618	Eri	Galaxy SB(r)b:	F,S,IF,LBM,2*SF
Sep 06 2002	12.5"	9mmT6	VDIF,BF,PL,EL,PATCH,KEEP B* OUT OF FOV,UB,PAIR/1622/1625	
H532-3	NGC 3693	Crt	Galaxy (R')SA(r)b:	CF,S,E,GBM
Apr 26 2006	31"	17mmT4	MF,ML,EDGE ON,BLNUC,MBM,F TOWARDS ENDS,R=G	
H537-2	NGC 4999	Vir	Galaxy SB(r)b	CF,PL,R,LBM,ER
Mar 22 2004	12.5"	12mmT4	MF,MS,OVAL,PATCH,NND,LOCATED IN BARRON FOV,VF* IN GLXY,SMWHT BM,R=F	
H539-2	NGC 5806	Vir	Galaxy SAB(s)b	CB,CL,E165,SBMN
Mar 19 2004	12.5"	12mmT4	DIF,VF,MS,EL,UB,NND,R=F	
H540-2	NGC 5831	Vir	Galaxy E3	PB,S,MBM
Mar 19 2004	12.5"	12mmT4	MF,MS,OVAL,BLNUC,SBM,SHISB CNTR,R=F	
H542-2	NGC 5838	Vir	Galaxy SA0-	PB,PS
Mar 19 2004	12.5"	12mmT4	MF,MS,OVAL,BLNUC,HISB CNTR,R=G	
H543-2	NGC 5850	Vir	Galaxy SB(r)b	CF,S,LE,PSBM
Mar 16 2010	31"	17mmT4	MB,PL,OVAL,BLNUC,SOF NUC,GRAD BM,MHISB CNTR,F BAR ACROSS NUC,F HALO ARMS,R=G	
Mar 19 2004	12.5"	12mmT4	MF,MS,OVAL,NND,PAIRS=5846,R=F	
H544-2	NGC 5854	Vir	Galaxy SB(s)0+ sp	PB,S,VLE,LBM,AM ST
Mar 19 2004	12.5"	12mmT4	MF,MS,EL,FLNUC,SBM,R=F	
H550-2	NGC 3636	Crt	Galaxy E0	F,VS,R,LBM,*7F,P OF2
Nov 24 2006	12.5"	12mmT4	MB,MS,R,BLNUC,B* IN FOV,GBM,MHISB CNTR,PAIR=3637,R=G	
H551-2	NGC 3637	Crt	Galaxy (R)SB(r)0^	F,VS,R,PSBM,*7P,FOF2
Nov 24 2006	12.5"	12mmT4	MB,MS,R,BLNUC,B* IN FOV,BGM,MHISB CNTR,PAIR=3636,R=G	
H552-2	NGC 3732	Crt	Galaxy SAB(s)0/a:	F,S,R,PSBM,*14SP
Apr 26 2006	31"	17mmT4	PB,ML,R,BLNUC,HISB CNTR,BMBM,R=G	
H553-2	NGC 3892	Crt	Galaxy SB(rs)0+	PB,PL,R,GBM,R
Apr 26 2006	31"	17mmT4	PB,ML,R,BLNUC,B INNER RGN,HISB CNTR,GMBM,PAIRS=MAC'S,R=G	
H553-3	NGC 6070	Ser	Galaxy SA(s)cd	F,L,PME,VGBM,R
May 31 1981	12.5"	16mm	DIF,PB,PL,EL,B HALO	
H554-3	NGC 5775	Vir	Galaxy SBc? sp	F,PS,VME148,GVLBM
Apr 26 2006	31"	17mmT4	VB,EL,EDGE ON,NND,1/2 BTR THAN OTHER,DUST LANE SUSP,PATCHY,BKN AREAS,PAIR,R=E	
H555-2	NGC 2889	Hya	Galaxy SAB(rs)c	PF,PS,VLE,VGLBM,R

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H555-2	NGC 2889	Hya	Galaxy SAB(rs)c	PF,PS,VLE,VGLBM,R
Mar 29 2006	31"	17mmT4	MB,ML,R,FLNUC,GMBM,SHISB,R=G	
H555-3	NGC 6548	Her	Galaxy SB0	CF,S,LE,R
Jul 03 2003	12.5"	9mmT6	PB,VL,R,BNUC,SHISB,HISB CNTR,SOFT LNUC,PAIR=6549,R=G	
Sep 04 2002	12.5"	9mmT6	PB,ML,OVAL,GMBM,MHISB,PAIR/6549	
H558-3	NGC 7492	Aqr	Globular XII	EF,L,BET2D*
Jul 01 2019	36"	17mmT4	(Class XII),VF,ML,PATCH,UB,NND,NO *S CL IN CNTR,EVENLY DISP,R=P	
Jul 10 1981	12.5"	16mm	DIF,PF,VL,F DIF *S	
Sep 10 1980	12.5"	32mm	BARELY VISIBLE	
H561-2	NGC 4939	Vir	Galaxy SA(s)bc	PB,L,R,GMBM
Mar 22 2004	12.5"	12mmT4	MF,MS,PATCH,FLNUC,SBM,R=F	
H566-2	NGC 5078	Hya	Galaxy SA(s)a: sp	PB,PS,CE,PSBM,*7,8F
Apr 26 2006	31"	17mmT4	PB,ML,EDGE ON,BLNUC,SHARP ENDS,CNTR BULGE,HISB CNTR,PAIR=IC879,R=G	
H568-2	NGC 4270	Vir	Galaxy S0	PB,S,R
Apr 26 2003	12.5"	9mmT6	PB,PL,EL-OVAL,FNUC,SHISB,SBM,CL,6 OF 9,R=G	
Apr 25 1981	12.5"	24mm	DIF,PF,PS,DARM,PAIR/4273/4281	
H574-2	NGC 5668	Vir	Galaxy SA(s)d	F,PS,VLE,*14INV
Apr 26 2006	31"	17mmT4	PB,PL,R,UB,NND,SHISB,R=G	
H578-3	NGC 1207	Per	Galaxy SA(rs)b	CF,VS,R,PSB INNPEND
Nov 13 2020	36"	55mm	(II 3 m),EB,EL,FITS NICE IN FOV,-50*S VAR MAG,SC BUT STANDS OUT WELL,OUTER EDGE IC 1805,(11:19pm),R=F	
Aug 21 1982	12.5"	16mm	CLASS AS E2,MF,PS,BNUC,F*N EDGE,F*W EDGE,LOC IN TRI OF B*S,R,GMBM	
Aug 17 1982	12.5"	16mm	DIF,PF,PS,FNUC,*NUC SUSP,PATCH	
H579-2	NGC 5560	Vir	Galaxy SB(s)b pec	PF,CL,E,GBM
Apr 26 2003	12.5"	9mmT6	DIF,PF,VL,EL,UB,PATCH,NND,PAIR/5566/5569,R=F	
H581-2	NGC 5638	Vir	Galaxy E1	CB,PL,R,SF OF 2
Apr 26 2003	12.5"	9mmT6	VB,ML,R,BNUC,MHISB,SOFT NUC,GBM,PAIR=5636,R=G	
H585-2	NGC 5864	Vir	Galaxy SB(s)0^? sp	PF,CS,ILE,GBM,*14F
Apr 26 2006	31"	17mmT4	PB,ML,EL,BLNUC,MHISB,* OFF EDGE,CNTR BULGE,HISB CNTR,BM,GMBM,R=G	
H588-2	NGC 665	Psc	Galaxy (R)S0^?	F,S,LE,BM,R
Sep 04 2002	12.5"	9mmT6	PB,PL,GBM,MHISB,OVAL	
H593-2	NGC 1400	Eri	Galaxy SA0-	CB,PS,R,PSMBM
Nov 11 2020	36"	17mmT4	VB,VL,VBLNUC,HISB,GRAN HALO,R=G	
Oct 24 1981	12.5"	12mm	MB,ML,BNUC,R,PAIT/1407	
Oct 31 1980	12.5"	24mm	PAIR/1407	
Sep 09 1980	12.5"	24mm		
H596-2	NGC 706	Psc	Galaxy Sbc?	F,S,BM,*13N1'
Sep 04 2002	12.5"	9mmT6	DIF,PB,PL,PATCH,UB,F* OFF ONE SIDE	
H598-2	NGC 7377	Aqr	Galaxy SA(s)0+	PB,S,VLE,VGMBM,*12P
Jul 10 1981	12.5"	16mm	R,BM,DIF HALO	
H600-2	NGC 7640	And	Galaxy SB(s)c	CF,L,ME164,VLBM,R
Aug 31 1984	12.5"	16mm	DIF,PF,ML,EL,UB,B* ON W TIP,B* ON E SIDE,STRETCHES BET 2*S,PREVIOUS * THERE	
Sep 23 1981	12.5"	16mm	EL3B*S SUR GLXY,F 14* ON SE ARM,DIF ARMS,SBM,MB,PS	
Sep 10 1980	12.5"	24mm		
H602-3	NGC 4571	Com	Galaxy SA(r)d	VF,L,E,VGBM,*9NF NR
Mar 22 2004	12.5"	12mmT4	DIF,VF,VL,OVAL,PATCH,UB,NND,SMWHT BM,R=F	
H607-2	NGC 1175	Per	Galaxy SA(r)0+	F,CL,E
Aug 17 1982	12.5"	16mm	DIF,MF,VS,SLT EL,SBM,PATCHY,F*S SUSP,COMPANION/1177	

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H607-2	NGC 1175	Per	Galaxy SA(r)0+	F,CL,E
Aug 17 1982	12.5" 16mm	DIF,MF,VS,SLT EL,SBM,PATCHY,F*S SUSP,COMPANION/1177		
Oct 03 1981	12.5" 12mm	EDIF,VF,ES,EL,*NUC SUSP,OBLONG IN SHAPE		
H608-2	NGC 1193	Per	Open Cluster I 2 m	F,CL,ER
Aug 10 2002	12.5" 9mmT6	PF,PS,TIGHT GRP,*S SIM MAG		
H615-2	NGC 2274	Gem	Galaxy E	F,S,BM
Oct 05 2002	12.5" 9mmT6	PB,PL,BNUC,R-OVAL,LNUC,MHISB,PAIR/2275		
H619-2	NGC 1156	Ari	Galaxy IB(s)m	PB,CL,PME0,BET2*
Oct 23 1982	12.5" 16mm	HISB,SAME		
Sep 24 1981	12.5" 16mm	* IN GLXY N SIDE(13MAG),PATCHY DIF,UB,2-3F*S SUR GLXY		
Oct 31 1980	12.5" 24mm			
Sep 10 1980	12.5" 24mm	B*N PART		
H620-2	NGC 1169	Per	Galaxy SAB(r)b	PF,PS,IF,SBM
Aug 17 1982	12.5" 16mm	DIF,MF,MS,FNUC,F*S AND E 1 OR 2 GLXY DIA,SBM,CLASS E3		
Oct 03 1981	12.5" 16mm	DIF,VF,PS,DNUC,F*W PART OF GLXY,SBM,NUC DET		
H622-2	NGC 428	Cet	Galaxy SAB(s)m	F,L,R,BM,ER
Sep 27 1981	12.5" 16mm	VDIF,MF,PL,BET 2F*S ON OPPOSITE SIDES,NNS,UB,PATCHY-OVAL		
Sep 10 1980	12.5" 24mm			
Sep 09 1980	12.5" 32mm	BET 2 B*S		
H628-2	NGC 4312	Com	Galaxy SA(rs)ab: sp	PB,CL,E,GBM
Apr 26 2003	12.5" 9mmT6	MB,PL,EDGE ON,UB,SHISB,CNTR PART OF GLXY HISB,TIPS FTR,R=G		
H633-2	NGC 1058	Per	Galaxy SA(rs)c	PF,CL,R,GLBM
Aug 17 1982	12.5" 16mm	F* IN NE PART,B*S SUR GLXY,R-OVAL,NND,HISB		
Oct 03 1981	12.5" 16mm	DIF,MB,ML,VR,F* SUR GLXY,NND,UB		
Aug 19 1980	12.5" 24mm	EF AND DIF		
Jul 24 1980	12.5" 24mm	LOW SURFACE B,*NUC		
H637-3	NGC 6058	Her	Planetary Neb 3+2	PF,VS,R,STELLAR
Mar 20 2009	31" 17mmT4	MF,MS,R,B CNTR* 12TH MAG,GRAN NEB,OIII KNOCKS OUT CNTR*,DOESNOT HELP MUCH,R=F		
Sep 06 2002	12.5" 16mm	PB,ML,R,DIF HALO,BM		
Sep 06 2002	12.5" 9mmT6	BM,MHISB,CNTR *		
H639-2	NGC 3158	LMi	Galaxy E3:	CB,CS,R,PSBM,R
Dec 26 2003	31" 17mmT4	MF,ML,R,BLNUC,MHISB CNTR,R=G		
Feb 25 1982	12.5" 16mm	MF,MS,BNUC,BET 3*S SAME MAG,R,SBM,NUC DET,1 OF 5 COMP		
H645-2	NGC 4914	CVn	Galaxy E	PB,CS,R,SMBM,*17NP
May 13 2021	36" 17mmT4	VB,PL,OVAL,BLNUC,MHISB,SMWHT TAPERED ENDS,HISB CNTR,GRAN ARMS,PAIR=N4916,R=G		
Jan 28 1982	12.5" 16mm	EEDIF,VF,PS,OVAL,SMB		
H648-3	NGC 4359	Com	Galaxy SB(rs)c? sp	CF,PME90,VLBM
Mar 22 2004	12.5" 12mmT4	PF,ML,EL,BSNUC,SHISB,HISB CNTR,GMBM,R=E		
H650-2	NGC 5899	Boo	Galaxy SAB(rs)c	CB,PL,PME,SMBMN
May 14 2010	31" 17mmT4	PB,ML,EL,BSNUC,MHISB,GRAN ARMS,SBM,HISB CNTR,R=G		
May 06 1981	12.5" 24mm	MB,VL,DNUC,DIM HALO		
H653-2	NGC 5129	Vir	Galaxy E	PB,VS,R,GMBM,**F
Apr 26 2006	31" 17mmT4	MB,MS,OVAL,BLNUC,MHISB CNTR,PAIRS=PGC'S,R=G		
H664-2	NGC 5023	CVn	Galaxy Scd: sp	PF,L,ME20,VLBM
Jan 28 1982	12.5" 16mm	VDIF,VF,MS,V EDGE ON,SPIKE LIKE		
H665-2	NGC 5103	CVn	Galaxy S?	PB,CS,E

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H665-2	NGC 5103	CVn	Galaxy S?	PB,CS,E
Jan 28 1982	12.5" 16mm	DIF,PF,PS,B*N,F*NE,SBM,MHISB		
H676-3	NGC 5520	Boo	Galaxy Sb	F,S,LE,STELLAR
Jun 01 2003	12.5" 9mmT6	DIF,PF,PL,OVAL,PATCH,FNUC,SHISB,SNUC AREA,SBM,R=F		
Mar 06 2003	12.5" 9mmT6	MB,MS,EL,BNUC,BSNUC,SLT HISB,R=F		
H687-2	NGC 5506	Vir	Galaxy Sa pec sp	PB,L,E20,LBM
Apr 26 2003	12.5" 9mmT6	MB,PL,EL TO EDGE ON,UB,NND,PAIR=5507,R=G		
H690-2	NGC 6155	Her	Galaxy S?	F,PS,IF,GBM
Feb 27 1982	12.5" 16mm	DIF,VF,MS,OVAL,MHISB,NND		
H691-2	NGC 5448	UMa	Galaxy (R)SAB(r)a	PB,CL,VME90,SMBMN
Nov 24 2006	12.5" 12mmT4	MB,PL,EL,PATCH,UB,NND,SHISB,R=G		
H691-3	NGC 5791	Lib	Galaxy E6:	PF,S,R,STELLAR
May 02 1981	12.5" 16mm	DIF,VF,PS,F HALO		
H692-2	NGC 5480	UMa	Galaxy SA(s)c:	F,PS,VGBM,NP OF 2
Mar 06 2003	12.5" 9mmT6	DIF,MB,PL,R,PATCH,SBM,L THAN COMP,PAIR/5481,R=F		
H692-3	NGC 7171	Aqr	Galaxy SB(rs)b	VF,CL,E124,VGBM
Oct 04 2005	31" 17mmT4	MF,VL,OVAL,UB,PATCHY NUC,VF* IN EDGE OF GLXY,R=G		
Jul 10 1981	12.5" 16mm	DIF,PF,MS,EL,F HALO		
Sep 10 1980	12.5" 16mm			
H693-2	NGC 5481	Boo	Galaxy E+	F,VS,SMBM,STELL,SF-2
Mar 06 2003	12.5" 9mmT6	DIF,MB,ML,R,PATCH,*NUC,PAIR/5480,R=F		
H694-2	NGC 5602	Boo	Galaxy Sa	PF,PS,LE,MBM
Jun 01 2003	12.5" 9mmT6	MF,MS,OVAL,FNUC,SHISB,SNUC,R=F		
H695-2	NGC 5660	Boo	Galaxy SAB(rs)c	PB,L,IR,VGBM
May 06 1981	12.5" 24mm	DIF,PB,PL,B HALO		
H695-3	NGC 896	Cas	Brт Nebula E	EF,PL,IF
Nov 13 2020	36" 31mmT5	(Lb 2),DIF,VB,EEL,W/OIII,AWESOME,PATCHY AREAS STAND OUT IN FOV,2-3 FOV'S,DK AREAS THROUGH OUT,(10:55pm),R=GE		
Sep 06 2002	12.5" 9mmT6	PF,EL,B NEB,F HINT OF B AREA COMPARED TO BG,LOC GOOD		
H696-3	NGC 7139	Cep	Planetary Neb 3b	VF,CS,R,R
Sep 12 2012	36" 17mmT4	MB,ML,R,UB,W/OIII,SOME PATCHY DARK AREAS,OIII HELPS BRING OUT MORE DETAIL,R=G		
Aug 25 1982	12.5" 24mm	VDIF,VF,ML,R,BARELY VISIBLE IN 24MM,F* IN S PART OF NEB,UB		
H700-3	NGC 3319	UMa	Galaxy SB(rs)cd	CF,L,IE,MB,S OF M
Mar 15 1985	12.5" 24mm	EDIF,EF,MS,OVAL,UB,*S OFF TO ONE SIDE		
H702-2	NGC 7392	Aqr	Galaxy SA(s)bc	PB,PS,LE120,MBM
Jul 10 1981	12.5" 24mm	NO BTOWARDS CNTR,SEEMS TO BE A WISP IN THE S ARM,MF,MS,DIF		
H704-2	NGC 1184	Cep	Galaxy S0/a	F,PL,ME
Jan 30 2003	12.5" 9mmT6	MB,PL,EDGE ON,FNUC,SBM,CNTR BULGE,R=G		
Sep 06 2002	12.5" 9mmT6	MB,ML,EL,SMWHT EDGE ON,HISB CNTR,GMBM,CNTR BULGE		
H705-2	NGC 7354	Cep	Planetary Neb 4+3b	PLN,B,S,R,PGVLBM
Sep 12 2012	36" 17mmT4	PB,ML,R,UB,MHISB,BLUEISH GREEN,NO CNTR*,OIII DARKENS NEB AND BRINGS OUT MORE DET,PATCHY,DARK AREAS,R=E		
Sep 02 2008	31" 17mmT4	PB,ML,R,UB,GREENISH,NO CNTR* TOO F,OIII DOESNOT HELP MUCH,R=E		
Jul 09 1983	12.5" 12mm	VF,PS,2F*S ON EDGE,VR,SOFT UB GLOW		
H709-3	NGC 2500	Lyn	Galaxy SB(rs)d	F,L,R,VGBM,R,AM ST
Jan 08 2003	12.5" 9mmT6	MB,VL,FARMS,*NUC,F* IN EDGE OF ARM,R-OVAL,SPR STR SUSP		
H710-3	NGC 2541	Lyn	Galaxy SA(s)cd	F,L,E,VGBM
Jan 08 2003	12.5" 9mmT6	EDIF,VF,VL,L OVAL PATCH UB,F* IN GLXY EDGE,*NUC SUSP		

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H710-3	NGC 2541	Lyn	Galaxy SA(s)cd	F,L,E,VGBM
Jan 08 2003	12.5" 9mmT6	EDIF,VF,VL,L	OVAL PATCH UB,F* IN GLXY EDGE,*NUC SUSP	
H716-2	NGC 5371	CVn	Galaxy SBbc	PB,L,R,BMFn
May 13 2021	36" 17mmT4	VB,VL,R,BLNUC,FACE ON,ARMS DET,SPR STR DET,MHISB CNTR,GMBM,GRAN ARMS,F*S IN ARMS,R=E		
Jan 28 1982	12.5" 16mm	DIF,MB,PL,DNUC,2*S OFF W SIDE,1*NE,SNUC,SOME KNTY STR SUSP,R,FACE ON		
H717-3	NGC 4100	UMa	Galaxy (R')SA(rs)bc	PB,VL,VME161,VGVLBM
Apr 26 2006	31" 17mmT4	PB,PL,BSNUC,MHISB,BVS*NUC,UB THROT,R=E		
H724-3	NGC 5087	Vir	Galaxy SA0:	CF,VS,IF
Apr 26 2006	31" 17mmT4	PB,ML,EL-OVAL,BLNUC,HISB CNTR,R=G		
H727-3	NGC 6239	Her	Galaxy SB(s)b pec?	VF,E,BIN,NPSF
Mar 27 1982	12.5" 16mm	VDIF,VF,MS,PATCHY,UB,NND		
Feb 25 1982	12.5" 16mm	EDIF,MF,MS,F*N SVRL GLXY DIA,SBM,OVAL,NUC SUSP		
H728-2	NGC 3583	UMa	Galaxy SB(s)b	PB,PL,R,VGMBM
Mar 25 2020	36" 17mmT4	VB,PL,OVAL-R,SBNC,HISB,FACE ON,SVBM,SPR ARMS IN A RING SUR NUC,GRAINY ARMS,PAIR=N3577,R=E		
Mar 21 2020	36" 17mmT4	VB,VL,OVAL-R,BSNUC,MHISB,GRAN ARMS,PATCHY,SPR STR SUSP,PAIR=3357,R=E		
Mar 15 1985	12.5" 12mm	PB,MS,R,SBM,MHISB,B*S SUR OBJ		
H733-2	NGC 4013	UMa	Galaxy Sb sp	B,CL,ME62,VSVMBM*10
Apr 26 2006	31" 17mmT4	VB,EL,EL,PATCH,VB* CNTR OF NUC,12TH MAG,SS?,L CNTR BULGE,SHISB,R=E		
H736-3	NGC 5878	Lib	Galaxy SA(s)b	PB,PL,PME0,PSMBM
May 02 1981	12.5" 16mm	DIF,PF,VL,EDGE ON,FNUC,MF HALO		
H739-3	NGC 6015	Dra	Galaxy SA(s)cd	VF,PL,R,VGBM
Jun 01 2003	12.5" 9mmT6	MB,VL,EL-OVAL,NND,SHISB,F*S IN TIP,CIGAR SHAPE,CNTR BULGE,R=G		
Jul 09 1983	12.5" 16mm	MB,PL,OVAL,MHISB,3F*S OFF TO N,B*NW CLOSE BY,NND		
Jul 22 1981	12.5" 16mm	DIF,OVAL,F* TO N SIDE,SPR STR SUPS,14MAG *		
Jul 14 1980	12.5" 24mm	LOOKS LIKE A S CL,~4 *S?		
Jul 11 1980	12.5" 24mm			
Jun 20 1980	12.5" 24mm			
H741-2	NGC 4047	UMa	Galaxy (R)SA(rs)b:	PB,PS,R
Apr 26 2003	12.5" 9mmT6	MB,ML,OVAL,BNUC,MHISB,R=G		
H742-2	NGC 4248	CVn	Galaxy I0? sp	VF,S,PME,PSBM
Mar 08 2010	31" 17mmT4	MB,ML,PATCH,UB,NND,IRR IN SHAPE,* IN EDGE,R=G		
Mar 22 2004	12.5" 12mmT4	PF,MS,OVAL,PATCH,UB,NND,F* IN GLXY BY NUC,PAIRS=M106/4231/4232,R=F		
H744-3	NGC 6814	Aql	Galaxy SAB(rs)bc	PF,PL,R,BM,R
Jul 30 2002	12.5" 12mm	PF,PS,FACE ON,3 F*S SUR OBJ,SOME SPR STR SUSP,BM		
Aug 31 1984	12.5" 16mm	VDIF,PF,MS,SAME		
Jul 10 1981	12.5" 12mm	DIF,NO STR DET,F* ON W EDGE		
H746-2	NGC 5018	Vir	Galaxy E3:	CB,S,R,MBMPBN
Mar 22 2004	12.5" 12mmT4	PB,ML,OVAL,BLNUC,SHISB,HISB CNTR,GMBM,PAIR=5022,R=G		
H746-3	NGC 2347	Cam	Galaxy (R')SA(r)b:	VF,S,R,LBM
Feb 01 2005	31" 17mmT4	PB,VL,OVAL,FLNUC,SOFT GLOW,R=G		
Sep 18 1980	12.5" 24mm			
H747-2	NGC 4144	UMa	Galaxy SAB(s)cd? sp	PF,CL,VME109,VGBM
Mar 22 2004	12.5" 12mmT4	MF,PL,EDGE ON,SHISB,SB TOWARDS BAR,CNTR BULDGE,R=E		
H748-2	NGC 4217	CVn	Galaxy Sb sp	PF,L,ME45,**N,P OF 2
Jan 26 1982	12.5" 16mm	VDIF,MF,MS,EDGE ON,HISB,3*S IN PLANE OF GLXY,SEEMS TO BE A HOOK IN S ARM		
Mar 27 1981	12.5" 24mm			

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H748-2	NGC 4217	CVn	Galaxy Sb sp	PF,L,ME45,**N,P OF 2
Mar 27 1981	12.5"	24mm		
H748-3	NGC 2366	Cam	Galaxy Irr	VF,PL,MBM,CVEDTAILS
Feb 01 2005	31"	17mmT4	MF,EL,BSNUC,IRR,FARM'S OFF ONE SIDE,2 NUC DET,S B,S F,COMP=2363,R=F	
Dec 21 1981	12.5"	24mm	EDIF,EF,ML,EL,BSNUC	
Sep 18 1980	12.5"	24mm		
H750-3	NGC 2493	Lyn	Galaxy SB0	CB,S,R,SBM
Feb 17 2004	31"	17mmT4	PB,PL,OVAL,BLNUC,HISB CNTR,PAIRS=2495/PGC22463,R=E	
Jan 08 2003	12.5"	9mmT6	MB,ML,FNUC,R,GSBM,F* OFF ONE SIDE	
H753-2	NGC 6181	Her	Galaxy SAB(rs)c	PB,PL,VLE,PGMBM
Feb 27 1982	12.5"	16mm	DIF,MF,PS,F*S CLOSE,MHISB	
Jul 14 1980	12.5"	24mm		
Jul 05 1980	12.5"	24mm		
H754-2	NGC 5582	Boo	Galaxy E	PB,PS,R,BMFn,*SP
Mar 29 2006	31"	17mmT4	PB,PL,R,BLNUC,HISB CNTR,GMBM,R=G	
H757-2	NGC 5879	Dra	Galaxy SA(rs)bc:?	CB,S,E,MBMRN,R
Apr 23 2003	12.5"	9mmT6	EL-OVAL,BNUC,MHISB,LNUC AREA,HISB CNTR,R=G	
Jul 09 1983	12.5"	16mm	MB,ML,EL,BNUC,SBM,NO *S,LNUC AREA	
Jul 22 1981	12.5"	16mm	DIF,MF,ML,EL TO EDGE ON,GBM,F HALO	
H766-2	NGC 5985	Dra	Galaxy SAB(r)b	PB,CL,IE,R
Apr 23 2003	12.5"	9mmT6	MB,VL,OVAL,PATCH,UB,NND,PATCHY KNTS SUSP,PAIR=5981/5982,R=G	
Jul 09 1983	12.5"	12mm	*NUC OR *,OTHERS PRESENT	
Jul 09 1983	12.5"	16mm	MF,PL,EL,UB,SPR STR SUSP,OTHER COMP	
Jul 22 1981	12.5"	16mm	DIF,R,SPR STR SUSP,OTHER GLXY PRESENT	
Jul 14 1980	12.5"	24mm		
Jul 11 1980	12.5"	24mm		
Jun 20 1980	12.5"	24mm		
H767-2	NGC 6340	Dra	Galaxy SA(s)0/a	CF,PL,R,VGMBM
Jun 22 2003	12.5"	9mmT6	PB,PL,R,BNUC,MHISB,BSNUC,FACE ON,SPR STR SUSP,PAIR=IC1251/IC1254,R=G	
Jul 22 1981	12.5"	16mm	ALM *NUC,DIF HALO,F* SUSP N SIDE	
H769-2	NGC 2339	Gem	Galaxy SAB(rs)bc	PB,PL,R,GLBM
Feb 21 1984	12.5"	16mm	SAME	
Oct 30 1981	12.5"	12mm	DIF,PF,ML,14* IN GLXY E SIDE,MHISB,NND	
Oct 31 1980	12.5"	24mm	AMONG FIELD OF RICH *S,UB	
H775-2	NGC 3652	UMa	Galaxy Scd?	PF,CL,LE,VGBM
Apr 26 2006	31"	17mmT4	MF,PL,OVAL,FLNUC,MHISB CNTR,SOME PATCHY AREAS DET,PAIR=MAC,R=G	
H776-2	NGC 4487	Vir	Galaxy SAB(rs)cd	F,VL,ER
May 01 1981	12.5"	24mm	DIF,EF,PL,FARM	
H784-2	NGC 3756	UMa	Galaxy SAB(rs)bc	PF,L,LE
Mar 15 1985	12.5"	16mm	PF,PL,OVAL,MHISB,UB,PAIR/3738	
H787-3	NGC 5447	UMa	Knot in Galaxy	PB,S,R,GMBM,CONN101
Mar 08 2010	31"	17mmT4	MF,MS,PATCH,2 PARTS ONE WITH VF* IN IT,KNOT IN GLXY,SQUARE IN SHAPE,PAIRS=NGC'S,R=F	
Nov 24 2006	12.5"	12mmT4	PF,PS,PATCH,UB,VF* ON SIDE/EDGE,KNOT IN M101,R=F	
H789-3	NGC 5462	UMa	Knot in Galaxy	PB,PL,IR,GBM,CONN101
Mar 08 2010	31"	17mmT4	MB,MS,EL,UB,KNOT IN GLXY,RECTANGLAR SHAPE,UB PATCH,PAIRS=NGC'S,R=F	
Nov 24 2006	12.5"	12mmT4	VF,VS,PATCH,UB,AV FIRST THEN HOLDS,KNOT IN M101,R=F	
H799-2	NGC 5443	UMa	Galaxy SB(s)b?	PF,L,E

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H799-2	NGC 5443	UMa	Galaxy SB(s)b?	PF,L,E
Mar 06 2003	12.5" 9mmT6	PB,ML,OVAL,PATCH,SHISB,F* IN EDGE,SBM,R=G		
H804-2	NGC 4271	UMa	Galaxy S0-:	PB,PL,IF
Feb 04 2005	31" 17mmT4	PB,MS,OVAL,BLNUC,F* OFF ONE SIDE,ANOTHER OFF END,MHISB MID,PAIR=MAC,R=G		
H805-2	NGC 4290	UMa	Galaxy SB(rs)ab:	PB,L,R,GMBM
Feb 04 2005	31" 17mmT4	PB,ML,OVAL,BSNUC,SHISB,HISB CNTR,BM,PAIR=4284,R=G		
H808-2	NGC 5687	Boo	Galaxy S0-?	PF,S,IF,RESOLVA,*10F
Apr 14 2004	31" 17mmT4	MF,MS,EL,* BOTH TIPS,SOFT BLNUC,MHISB CNTR,PAIR=PGC52098,R=F		
May 06 1981	12.5" 24mm	MB,MS,BNUC,DIM HALO,*13 MAG EDGE OF GLXY		
H821-2	NGC 2415	Lyn	Galaxy Im?	PB,CS,R,VGVLBM,R,
Nov 24 2003	31" 17mmT4	VF,PL,OVAL,BVLNUC,HISB CNTR,FTR HALO DET,HISB,R=E		
Jan 08 2003	12.5" 9mmT6	PB,ML,BNUC,MHISB,R,2F*S BOTH SIDES,GMBM		
H827-2	NGC 5430	UMa	Galaxy SB(s)b	PB,S,IE,MBM
Mar 06 2003	12.5" 9mmT6	MB,PL,OVAL,PATCH,*NUC,R=F		
H828-2	NGC 2756	UMa	Galaxy Sb	PB,PS,E,VGBM
Mar 06 2003	12.5" 9mmT6	MB,ML,R,BNUC,LNUC AREA,MHISB CNTR,PAIR=PGC25755,R=G		
Jan 08 2003	12.5" 9mmT6	MB,ML,SMHISB,PATCH,OVAL,UB,COMP SUSP		
H829-2	NGC 3669	UMa	Galaxy SBcd: sp	VF,PL,PME135,ER
Apr 03 2005	31" 17mmT4	MF,PL,EDGE ON,UB,NND,NO NUC,NO CNTR BULGE,R=E		
H845-2	NGC 3668	UMa	Galaxy Sbc	F,PS,IR,GBM,*9NP
Apr 03 2005	31" 17mmT4	PB,PL,OVAL-R,BSNUC,COMP NOT DET,VF* IN EDGE,GBM,HISB CNTR,FARMSSUSP,R=G		
H846-2	NGC 4256	Dra	Galaxy SA(s)b: sp	PB,L,CE38,BMBN
Feb 04 2005	31" 17mmT4	PB,ML,EDGE ON,BSNUC,CNTR BULGE,HISB CNTR,BM,DUST SUSP,R=E		
H853-3	NGC 3073	UMa	Galaxy SAB0-	VF,S,VGLBM
Mar 06 2003	12.5" 9mmT6	PF,PS,OVAL,PATCH,FNUC,PAIR=3079,R=P		
Jan 08 2003	12.5" 9mmT6	MF,MS,BNUC,OVAL,GMBM,B CNTR BULGE,PAIR/3079/PGC28990		
H857-2	NGC 198	Psc	Galaxy SA(r)c	F,S,VGBM
Sep 04 2002	12.5" 9mmT6	DIF,PF,VL,OVAL PATCH,PAIR/200/194		
H865-2	NGC 4105	Hya	Galaxy E3	PF,PS,R,PSBM,R,P OF2
Mar 29 2006	31" 17mmT4	VB,VL,OVAL,BLNUC,GMBM,HISB,PAIR=4106,R=G		
H865-3	NGC 1985	Aur	Brn Nebula R	CF,S,R,PSBM
Dec 20 2003	31" 25mm	MB,MS,B CNTR *,SMWHT MHISB NEBULOUSITY,PATCHY,R=E		
H869-3	NGC 125	Psc	Galaxy (R)SA0+ pec:	VF,S,BM,D*SP
Sep 04 2002	12.5" 16mm	DIF,PF,PS,PATCH,NND,2F*S ONE EDGE,GRP OF GLXY		
Sep 04 2002	12.5" 9mmT6	HISB,B CNTR BULGE,R		
H875-2	NGC 6166	Her	Galaxy E+2 pec	PF,S,VLE,VGMBM
Feb 27 1982	12.5" 16mm	VDIF,VF,MS,R,PATCHY,SBM,OVAL		
H877-3	NGC 2525	Pup	Galaxy SB(s)c	CF,PL,R,VGVLBM,AM ST
Dec 03 1980	12.5" 24mm			
H878-2	NGC 6824	Cyg	Galaxy SA(s)b:	PB,IF,BM
Oct 12 2012	36" 17mmT4	MB,ML,OVAL,LNUC,MHISB,VF* OUTER EDGE IN GLXY,GRADUALLY BIN CNTR,R=FG		
Jun 21 2003	12.5" 9mmT6	VB,VL,BNUC,VHISB,F* OFF TO EDGE,BLNUC,GMBM,R=E		
Jul 06 2002	12.5" 16mm	DIF,PF,MS,OVAL PATCH,UB,12MAG * CLOSE BY		
H878-3	NGC 2805	UMa	Galaxy SAB(rs)d	VF,L,R,MBM
Apr 14 2004	31" 17mmT4	DIF,PF,VL,PATCH,UB,NND,R=F		
Jan 08 2003	12.5" 9mmT6	DIF,PF,PL,FNUC,R,UB WITH FT NUC,OVAL		
H879-2	NGC 3622	UMa	Galaxy S?	PB,S,R,GBM
Apr 03 2005	31" 17mmT4	MF,MS,OVAL,UB,NND,SHISB,R=G		

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H879-2	NGC 3622	UMa	Galaxy S?	PB,S,R,GBM
Apr 03 2005	31"	17mmT4	MF,MS,OVAL,UB,NND,SHISB,R=G	
H882-2	NGC 3225	UMa	Galaxy Scd:	CF,PL,LE,VGBM
Apr 23 2003	12.5"	9mmT6	DIF,MF,PL,EL,PATCH,NND,SHISB,F* OFF ONE SIDE,R=F	
Jan 08 2003	12.5"	9mmT6	DIF,PF,MS,FNUC,OVAL,SBM,F* ON EDGE,L CNTR RGN	
H897-2	NGC 7218	Aqr	Galaxy SB(rs)cd	PB,LE,R
Jul 10 1981	12.5"	16mm	SMWHT EDGE ON,*S N AND S,NO STR SUSP,DIF,PF,MS	
Sep 10 1980	12.5"	24mm		
H898-2	NGC 3107	Leo	Galaxy Sbc:	PF,PL,IR,*8NP 112"
Jan 08 2003	12.5"	9mmT6	MB,MS,OVAL,MHISB,B*CLOSE BY,UB	