

Herschel 2500 Observations

H1-1	NGC 1055	Cet	Galaxy SBb: sp	PF,CL,IE80,BM,*11N1'
Dec 16 2009	12"	11mmT6	PB,L,EON,UB,HSB,R=G	
Nov 21 2006	8"	11mmT6	PF,S,OVAL,NND,R=F	
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	
H1-3	NGC 1982	Ori M43	Nebula E	VB,VL,RW/TAIL,MBM*8
Dec 16 2009	12"	20mmUW		
Dec 26 2003	8"	25mmPL	Q/M COLD	
Feb 03 2005	31"	11mmT6	480X+,TRAPEZIUM!!!!	
Feb 17 2012	18"	17mmT4	SECOND OBJECT	
Jan 25 2018	12"	11mmT6	NICE OBJECT	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 06 2005	8"	11mmT6	VB,VL,VHISB,R=E!!!, OIII FILTER	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 17 2007	1.9"	12x50	M.M. BETWEEN CLOUDS	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 19 2006	8"	19mmW	PB,PL,R=E	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Sep 08 2006	1.9"	12x50	DFF,B,LPATCH OF NEB.,R=G	
H1-4	NGC 7009	Aqr	Planetary Neb 4+6	PLN,VB,S,ELLIPTIC
Aug 21 2015	12"	8mm Ds		
Jul 08 2004	31"	17mmT4	GREAT IN THE BIG ONE!	
Jul 08 2004	8"	25mmPL	SMALL IN 8_DOBSON	
Oct 29 2006	8"	19mmW	F,VS,OVAL,R=F	
Sep 27 2005	31"	17mmT4	VB,VL,OVAL,HISB,R=G!!	
H1-5	NGC 253	Sci	Galaxy SAB(s)c	VVB,VVL,VME54,GBM
Nov 04 2007	1.9"	12x50	PB,PL,EL,OVAL,UB,ND,R=G	
Nov 21 2006	8"	11mmT6	B,PL,EON,NND,R=G	
H1-6	NGC 2420	Gem	Open Cluster 11.0 I 1 r	CL,CL,RI,C,ST11...18
Mar 04 2006	8"	19mmW	ML,PB,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	
H1-8	NGC 2509	Pup	Open Cluster I 1 r	CL,B,PRI,LC,ST S
Mar 13 2007	8"	19mmW	F,PL,R=F,DIM PATCH	
H2-1	NGC 2775	Cnc	Galaxy SA(r)ab	CB,CL,R,VGVSBM,R
Mar 15 2005	8"	11mmT6	MB,ML,OVAL,PATCH,NND,R=G	
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	
H2-5	NGC 4536	Vir	Galaxy SAB(rs)bc	B,VL,ME110,SBM,ER
Apr 13 2005	8"	11mmT6	MB,ML,EL,EON,FNUC,R=G	
H2-6	NGC 2304	Gem	Open Cluster II 1 m	CL,PL,RI,MC,ST VS
Mar 04 2006	8"	19mmW	F,S,R=F	
H2-7	NGC 2244	Mon	Open Cluster 7.0 II 3 r n	CL,BEAUTIFUL,STSC
Feb 10 2005	8"	11mmT6	VB,VL,R=G	

Herschel 2500 Observations

H2-7	NGC 2244	Mon	Open Cluster 7.0 II 3 r n	CL, BEAUTIFUL, STSC
Feb 10 2005	8"	11mmT6	VB, VL, R=G	
Mar 08 2007	1.9"	12x50	PB, S, VFAINT NEBULOSITY, R=F	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
H3-1	NGC 3166	Sex	Galaxy SAB(rs)0/a	B, PS, R, PSMBM, 2ND OF 3
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Mar 13 2007	8"	11mmT6	CB, CL, OVAL, FNUC, MHISB, R=G	
H3-2	NGC 157	Cet	Galaxy SAB(rs)bc	PB, L, E, BET2CB*
Nov 03 2004	8"	11mmT6	MB, EL, NND, MSB, R=G	
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	
H3-8	NGC 2251	Mon	Open Cluster 9.1 III 2 m	CL, VL, E, RI, LC
Mar 29 2006	8"	19mmW	B, L, R=F	
Nov 04 2007	1.9"	12x50	F, S, R=F	
H4-1	NGC 3169	Sex	Galaxy SA(s)a pec	B, PL, VLE, PGMBM, 3RD-3
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Mar 13 2007	8"	11mmT6	CB, CL, OVAL, FNUC, R=G	
H4-2	NGC 596	Cet	Galaxy E+ pec:	PB, R, BM, R, *6F12'
Nov 21 2006	8"	11mmT6	F, PS, OVAL, FNUC, R=G	
H4-3	NGC 2939	Leo	Galaxy Sbc	VF, S, VLE, BM, TRI STNF
Mar 16 2010	12"	11mmT6	VF, VS, OVAL, NND, AV, R=F	
H4-4	NGC 3662	Leo	Galaxy SAB(r)bc pec	VF, S, ATT TO *13M
Mar 30 2014	18"	7mm TV	VF, VS, OVAL, NND, R=F	
H4-5	NGC 4123	Vir	Galaxy SB(r)c	CF, VL, E90, BMN
Apr 02 2008	8"	11mmT6	VF, L, OVAL, NND, AV, R=F	
May 16 2004	10"	28mm	CLEAR - MEGASTAR CONTROL	
H4-7	NGC 1817	Tau	Open Cluster 9.0 IV 2 r	CL, L, RI, LC, ST11...14
Dec 15 2004	8"	11mmT6	SMALL, MANY STARS R=G	
Nov 04 2007	1.9"	12x50	B, S, PAIR W/NGC 1807, R=F	
Nov 09 2006	8"	19mmW	F, PS, R=F	
H5-1	NGC 3655	Leo	Galaxy SA(s)c:	PB, PS, IR, BM, R
Mar 13 2007	8"	11mmT6	VF, VS, R, NND, AV, 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	
H5-4	NGC 4437	Vir	Galaxy SA(s)cd: sp	F, EE75, *10NF
May 19 2010	12"	7.5mmW	DIFF, CF, PS, EON, NND, AV, R=F	
H5-5	NGC 4293	Com	Galaxy (R)SB(s)0/a	F, VL, E, LBM, R
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Apr 26 2006	8"	11mmT6	PB, L, EON, UB, R=F	
H5-6	NGC 2194	Ori	Open Cluster 13.0 II 2 r	CL, L, RI, GVMCM
Mar 29 2006	8"	11mmT6	F, S, 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	
H5-8	NGC 2264	Mon	Open Cluster 5.0 III 3 m n	15MON, CL, **, (NEB)
Apr 05 2004	8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**	
Mar 08 2007	1.9"	12x50	PB, S, R=F	

Herschel 2500 Observations

H5-8	NGC 2264	Mon	Open Cluster 5.0 III 3 m n	15MON,CL,**,(NEB)
Mar 08 2007	1.9"	12x50	PB,S,R=F	
Mar 09 2004	8"	25mmPL	COMPTER = ARGO NAVIS	
Mar 13 2007	8"	19mmW	PB,PL,R-G	
H6-1	NGC 5363	Vir	Galaxy I0?	B,PL,R,PSBM,*8NF
Apr 14 2016	12"	11mmT6	PF,PS,OVAL,UB,NND,R=F	
Apr 28 2006	31"	19mmW	PB,S,R,FNUC,MSB,R=G	
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
H6-4	NGC 3423	Sex	Galaxy SA(s)cd	F,VL,R,VGBM,RR
Mar 15 2005	8"	11mmT6	VF,ROUND,NND,AV,R=F	
H6-5	NGC 5293	Boo	Galaxy SA(r)c	EF,VL,RESOLVABLE
Jul 05 2016	12"	8mm Et	VF,VS,OVAL,MEXT,UB,NND,R=F	
H6-6	NGC 2355	Gem	Open Cluster 13.0 II 2 m	CL,PS,PRI,MC,*15..16
Mar 04 2006	8"	19mmW	B,S,R=F	
H7-2	NGC 1589	Tau	Galaxy Sab sp	F,PL,LE132,*80"NP
Dec 04 2004	8"	11mmT6	VF,EL,EON,AV,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	
H7-5	NGC 3346	Leo	Galaxy SB(rs)cd	CF,VL,R,VGV LBM,ER
Apr 21 2007	31"	17mmT4	DIFF,PF,PL,R,NND,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	
H7-7	NGC 6520	Sgr	Open Cluster 9.0 I 2 r n	CL,PS,RI,LC,ST9...13
Jul 09 2005	8"	11mmT6	VB,R=G. NICE CLUSTER - BRIGHT	
Oct 08 2006	1.9"	12x50	PF,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	
H8-1	NGC 4698	Vir	Galaxy SA(s)ab	CB,PL,IR,BM,R
Apr 13 2005	8"	11mmT6	MB,ML,EON,FNUC,MSB,R=G	
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	
H8-3	NGC 2894	Leo	Galaxy Sa	VF,E,ER,2OR3* INV
Apr 09 2010	12"	11mmT6	PF,CS,OVAL,UB,NND,R=F	
H8-4	NGC 4567	Vir	Galaxy SA(rs)bc	VF,L,NP OF D NEB
Apr 14 2016	12"	11mmT6	PF,PS,OVAL,NND,R=F	
H8-5	NGC 3628	Leo	Galaxy Sb pec sp	PB,VL,VME102
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Apr 26 2006	8"	11mmT6	PF,CL,EON,NND,R=F	
May 12 2004	8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5	
H8-7	NGC 6940	Vul	Open Cluster 11.0 III 2 r	CL,VB,VL,VRI,CC,STPL
Jul 19 2017	12"	17mmT4	VERY NICE. FULL AND SCATTERED.	
Jul 23 2006	8"	11mmT6	PB,PL,R=G	
Nov 14 2006	1.9"	12x50	F,S,LOOSER,R=F	
H8-8	NGC 1647	Tau	Open Cluster 9.0 II 2 r	CL,VL,ST L,SC
Dec 04 2004	8"	11mmT6	R,R=F, SCATTERED STARS	
Nov 04 2007	1.9"	12x50	PB,PL,R=G	

Herschel 2500 Observations

H8-8	NGC 1647	Tau	Open Cluster 9.0 II 2 r	CL,VL,ST L,SC
Nov 04 2007	1.9"	12x50	PB,PL,R=G	
Nov 09 2006	8"	19mmW	F,L,R=F	
H9-1	NGC 4179	Vir	Galaxy S0 sp	PB,PS,PME135,BMN
Apr 04 2005	8"	11mmT6	MB,EON,OVAL,FNUC,MSB,R=G	
H9-2	NGC 1588	Tau	Galaxy E pec?	F,VS,R,R,F OF DNEB
Mar 20 2007	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
H9-4	NGC 4568	Vir	Galaxy SA(rs)bc	VF,L,SF OF D NEB
Apr 14 2016	12"	11mmT6	PF,PS,OVAL,NND,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.	
H9-6	NGC 5466	Boo	Globular	CL,L,VRI,VMC,ST11...
May 04 2005	8"	11mmT6	VF,R,R=F	
May 30 2016	12"	8mm Et	VF,S,R=G	
H9-7	NGC 6830	Vul	Open Cluster 10.0 II 2 p	CL,L,PRI,PC,*11...12
Jul 23 2006	8"	11mmT6	B,PS,R=F	
H10-1	NGC 4643	Vir	Galaxy SB(rs)0/a	CB,PS,LE,MBM
Apr 26 2009	16"	17mmT4	PF,PS,OVAL,FNUC,R=F	
Apr 28 2006	31"	19mmW	VB,VL,OVAL,BNUC,PHISB,R=G	
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
H10-2	NGC 7800	Peg	Galaxy Im?	F,PS,E39
Sep 09 2010	12"	5.5mmN	CF,PS,OVAL,MEXT,UB,NND,R=F,PA=95	
H10-4	NGC 3239	Leo	Galaxy IB(s)m pec	VF,*9INV NR M
Apr 21 2007	31"	17mmT4	DIFF,PF,CL,OVAL,NND,R=F	
H10-6	NGC 6144	Sco	Globular	CL,CL,MC,GBM,RRR
Jul 01 2016	12"	8mm Et	F,L,R=G	
Jul 03 2005	8"	11mmT6	VF,VS,R,AV,R=F	
Jun 05 2011	12"	17mmT4	NICE GLOB.	
Sep 19 2014	12"	17mmAT	5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14	
H10-7	NGC 2482	Pup	Open Cluster 10.0 IV 1 m	CL,L,CRI,VLC
Mar 13 2007	8"	19mmW	B,PL,R=F, LOOSE GROUP	
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	
H11-3	NGC 5417	Boo	Galaxy Sa	CF,S,R,PSBM,*P
Jul 05 2016	12"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F	
H11-4	NGC 6369	Oph	Planetary Neb 4+2	RINGNEB,PB,S,R
Jul 09 2005	8"	11mmT6	MB,MS,R,R=G	
H11-6	NGC 6284	Oph	Globular	GCL,B,L,R,CM,ST16...
Jul 02 2017	12"	17mmT4	PF,PS,R=F. SMUDGE	
Jul 15 2006	8"	19mmW	PF,PS,R=F	
Jun 14 2004	8"	25mmPL	SPOTTY CLOUDS - MEGASTAR CONTROL	
May 30 2016	12"	8mm Ds	VF,PS,R=F	
H11-7	NGC 2539	Pup	Open Cluster 9.0 III 2 m	CL,VL,RI,LC,*11...13
Mar 13 2007	8"	19mmW	B,PL,R=G,RESOLVE FAINTER STARS	
Mar 28 2008	1.9"	12x50	PB,PL,R=G	
May 22 2015	12"	17mmT4	CAUGHT BEFORE SETTING. LOW ON HORIZON	
H11-8	NGC 2395	Gem	Open Cluster 10.0 IV 2 m	CL,PRI,C
Mar 04 2006	8"	19mmW	F,S,R=F	

Herschel 2500 Observations

H11-8	NGC 2395	Gem	Open Cluster 10.0 IV 2 m	CL,PRI,C
Mar 04 2006	8"	19mmW	F,S,R=F	
H12-4	NGC 6553	Sgr	Globular	GCL,F,L,LE,VGLBM,RR
Jul 05 2016	12"	8mm Et	PF,S,R=G	
Jul 15 2006	8"	19mmW	PF,PS,R=F	
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	
H12-6	NGC 6293	Oph	Globular	GCL,VB,L,R,PSBM,ST16
Jul 01 2016	12"	7mm TV	F,S,R=F,RESOLVE OUTER STARS	
Jul 15 2006	8"	19mmW	PF,PS,R=F,FAINT STARS	
Jul 15 2015	12"	8mm Ds		
Jun 23 2004	8"	25mmPL	QUARTER MOON, LEFT @1:30AM.	
H12-7	NGC 2360	CMa	Open Cluster 10.4 I 3 r	CL,VL,RI,PC,ST9...12
Dec 18 2006	1.9"	12x50	F,S,R=F,UNCOMPRESSED GROUP	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
Mar 13 2007	8"	19mmW	F,S,R=F,RESOLVE 7+ STARS	
H12-8	NGC 6664	Sct	Open Cluster 9.0 III 2 m	CL,L,PRI,VLC
Aug 13 2007	31"	31mmT5	B,L,R=G	
Mar 18 2007	8"	11mmT6	B,L,LOOSE GROUP,R=F	
H13-1	NGC 3521	Leo	Galaxy SAB(rs)bc	CB,CL,ME140,VSMBMN
Apr 26 2006	8"	11mmT6	PB,PL,OVAL,BNUC,HISB,R=G	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
May 12 2004	8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5	
H13-2	NGC 3705	Leo	Galaxy SAB(r)ab	PF,PL,R,VSMBM,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	
H13-6	NGC 6451	Sco	Open Cluster 12.0 I 2 r n	CL,PL,PRI,BIFID,ST12
Jul 09 2005	8"	11mmT6	R=G. LOOSE GROUP W/MANY STARS	
Jul 23 2006	8"	11mmT6	PB,PL,R=G,DENSE GROUP	
H13-7	NGC 2204	CMa	Open Cluster 13.0 II 2 r	CL,L,PRI,LC
Feb 10 2005	8"	11mmT6	DIFFUSED,ML,R,R=G	
H14-1	NGC 4632	Vir	Galaxy SAc	PB,L,E45
Apr 08 2005	8"	7.5mmW	VF,VS,OVAL,NND,R=F	
Apr 26 2009	16"	17mmT4	CF,CS,OVAL,NND,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	
H14-6	NGC 6802	Vul	Open Cluster 14.0 I 1 m	CL,L,VC,E0,ST14...18
Jul 23 2006	8"	11mmT6	PF,CS,R=F	
H15-1	NGC 4666	Vir	Galaxy SABc:	B,VL,ME45,PSBM
Apr 14 2010	16"	11mmT6	PF,PS,EON,FNUC,USB,R=G	
Apr 26 2009	16"	17mmT4	PB,PS,EON,FNUC,R=G	
Apr 28 2006	31"	19mmW	VB,VL,EON,BNUC,VHISB,R=G	

Herschel 2500 Observations

H15-1	NGC 4666	Vir	Galaxy SABc:	B,VL,ME45,PSBM
Apr 28 2006	31"	19mmW	VB,VL,EON,BNUC,VHISB,R=G	
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
H15-2	NGC 4578	Vir	Galaxy SA(r)0^:	PF,PS,R,SBMN,*NP
Apr 08 2005	8"	11mmT6	MF,MS,OVAL,NND,R=G	
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	
H15-4	NGC 16	Peg	Galaxy SAB0- sp	PB,S,R,BM
Nov 02 2005	31"	19mmW	VB,ML,EON,OVAL,BNUC,HISB,R=G	
Sep 01 2005	8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F	
H15-5	NGC 6960	Cyg	Nebula E	PB,CL,EIF,KAPPACYGIN
Jul 01 2016	12"	35mm A	GREAT,R=E!! LP2 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	VB,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	
H16-1	NGC 4753	Vir	Galaxy I0	CB,L,VLE,VGLBM
Apr 28 2006	31"	19mmW	CB,CL,OVAL,BNUC,MSB,R=G	
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
H16-4	NGC 6905	Del	Planetary Neb 3+3	PLN,B,PS,R,4S*NR
Aug 09 2005	8"	11mmT6	MB,ML,PATCHY,MSB,R=G	
Aug 13 2007	31"	31mmT5	PF,CS,R,R=G, CENTRAL STAR NOT VISIBLE	
Jul 25 2017	12"	11mmT6	F,PS,R=G.. USED LP2	
H16-5	NGC 68	And	Galaxy SA0-	EF,L,3OR4*+NEB
Aug 24 2012	18"	5mm TV	VF,PS,R,UB,NND,R=F	
Oct 12 2012	18"	7mm TV	VF,VS,R,UB,NND,AV2,R=P	
H16-7	NGC 2354	CMa	Open Cluster 9.1 III 2 r	CL,CRI,LC
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
H16-8	NGC 6834	Cyg	Open Cluster 11.0 II 2 m	CL,P,LC,*11...12
Jul 16 2004	8"	25mmPL	CLEAR - SEEING NOT TOO BAD	
Jul 23 2006	8"	19mmW	PB,PS,R=F, LOOSE GROUP	
H17-1	NGC 3379	Leo M105	Galaxy E1	VB,CL,R,PSBM,R
Apr 02 2008	8"	11mmT6	PB,PLM,R,BNUC,HSB,R=G	
Feb 25 2004	8"	25mmPL	1ST. QTR.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 19 2006	8"	19mmW	FB,CL,OVAL,BNUC,HISB,R=G	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
May 06 2007	1.9"	12x50	PF,PS,OVAL,NND,R=F	
May 12 2004	8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5	
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	
H17-5	NGC 598	Tri M33	Galaxy SA(s)cd	EB,EL,R,VGBMN 6

Herschel 2500 Observations

H17-5	NGC 598	Tri M33	Galaxy SA(s)cd	EB,EL,R,VGBMN	6
Aug 21 2015	12"	35mm A			
Dec 26 2003	8"	25mmPL	Q/M COLD		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	32mmUW	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 17 2007	8"	25mmPL	M.M. BETWEEN CLOUDS		
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Mar 19 2006	8"	19mmW	DIFF,L,F,OVAL,NND,R=F		
Mar 20 2009	1.9"	12x50	MESSIER MARATHON - 2009		
Oct 21 2012	8"	25mmPL	LARGE AND FAINT AS ALWAYS		
Oct 26 2014	12"	22mmAT	EYE CANDY		
Oct 27 2004	31"	31mmT5	VB,ML,OVAL,HISB,R=E, LUNAR ECLIPSE		
Oct 29 2008	16"	20mmUW	LARGE, DIFFUSE PATCH		
Oct 31 2004	1.9"	12x50	VB,ML,EON,LSB,R=G		
H17-6	NGC 2158	Gem	Open Cluster 15.0 II 3 r	CL,PS,MC,VRI,IRRTRI	
Dec 04 2004	8"	11mmT6	OVAL,R=F		
H17-7	NGC 2362	CMa	Open Cluster 8.0 I 3 r	CL,PL,RI,30CMA	
Feb 10 2005	8"	11mmT6	VB,ML,R,R=G		
H18-1	NGC 3384	Leo	Galaxy SB(s)0-	VB,L,R,PSMBM,2ND OF3	
Apr 02 2008	8"	11mmT6	PB,PL,OVAL,UB,FNUC,R=G		
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
Apr 26 2006	8"	11mmT6	FB,PS,OVAL,UB,R=G		
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS		
May 12 2004	8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5		
H18-2	NGC 4470	Vir	Galaxy Sa?	F,PL,IR,BM	
May 25 2014	18"	8mm Ds	PF,PS,OVAL,FNUC,R=G		
H18-4	NGC 7662	And	Planetary Neb 4+3	PLN ORRING,VB,PS,R	
Aug 21 2015	12"	8mm Ds	PRETTY SMALL USED LP2 FILTER		
Aug 23 2004	8"	9mm	SMALL,FAINT. LOOK @ AGAIN LATER!		
Aug 24 2012	18"	5mm TV	ROUND AND BRIGHT, OIII, BLUE SNOWBALL, R=E!		
Nov 21 2006	8"	11mmT6	VB,PS,OVAL, NO CENTRAL STAR,R=G		
Oct 05 2016	12"	11mmT6	B,S,OIII,R=G. BLUE STREAK NEBULA		
H18-5	NGC 205	And M110	Galaxy E5 pec	VB,VL,ME165,VGVMBM	
Aug 20 2006	1.9"	12x50	B,L,OVAL,UB,NND,R=G		
Aug 21 2015	12"	8mm Ds			
Aug 31 2010	12"	17mmAT	NIGHT ENDING EYE CANDY		
Dec 05 2015	12"	17mmT4			
Dec 16 2009	12"	20mmUW			
Dec 26 2003	8"	25mmPL	Q/M COLD		
Jan 25 2018	12"	11mmT6	NICE OBJECT		
Jul 13 2013	18"	35mm A	MORE EYE CANDY		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	32mmUW	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Mar 19 2006	8"	25mmPL	PB,ML,OVALFNUC,HISB,R=G		
Mar 20 2009	1.9"	12x50	MESSIER MARATHON - 2009		

Herschel 2500 Observations

H18-5	NGC 205	And M110	Galaxy E5 pec	VB,VL,ME165,VGVMBM
Mar 20 2009	1.9"	12x50	MESSIER MARATHON - 2009	
Oct 26 2014	12"	22mmAT	EYE CANDY	
Oct 27 2004	31"	31mmT5	VB,ML,OVALL,HISB,R=E, LUNAR ECLIPSE	
Sep 02 2016	12"	35mm A	SUPER	
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	
H18-7	NGC 6823	Vul	Open Cluster 8.8 I 3 m n	CL,CRI,E,ST11...12
Jul 23 2006	8"	11mmT6	B,PS,R=F	
Jun 20 2007	1.9"	12x50	PF,PS, STARS 6+,R=F	
H18-8	NGC 6837	Aql	Open Cluster IV 1 p	CL,S,P
Sep 05 2007	8"	11mmT6	PF,PS,R=F	
H19-1	NGC 4147	Com	Globular	GCL,VB,PL,R,GBM,RRR
Apr 13 2005	8"	7.5mmW	R,MSB,R=G	
Mar 29 2006	8"	11mmT6	F,S,R,NND,R=F CLASS IX	
May 30 2016	12"	8mm Et	PF,PS,R=F. UNRESOLVED STARS	
H19-4	NGC 2170	Mon	Nebula R	*9 INV,PL,NEB,E170
Mar 28 2011	12"	17mmAT	SMALL, FAINT,IRREGULAR,R=F, OIII FILTER	
H19-5	NGC 891	And	Galaxy SA(s)b? sp	B,VL,VME22
Oct 06 2004	8"	11mmT6	MB,EL,EON,NND,R=G	
Oct 07 2010	12"	11mmT6	PF,S,EON,UB,NND,R=F,PA=85	
Oct 12 2012	18"	17mmT4	DARK DUST LANE BISECTING GALAXY. JOHN'S 20" OBSESSION	
Oct 27 2004	31"	31mmT5	VB,ML,EON,HISB,R=E, LUNAR ECLIPSE	
H19-6	NGC 5897	Lib	Globular	GCL,PF,L,VIR,VGBM,
Jul 15 2006	8"	19mmW	VF,PS,R=F, DIM, UNRESOLVED.	
Jul 21 2007	1.9"	12x50	PF,PS,AV,R=F	
Jul 23 2006	8"	11mmT6	CF,PS,R,R=F	
May 16 2004	10"	28mm	CLEAR - MEGASTAR CONTROL	
May 30 2016	12"	8mm Ds	PF,S,R=F	
H19-7	NGC 6755	Aql	Open Cluster 11.0 II 2 r	CL,VL,VRI,PC,,*12.14
Jul 08 2004	8"	25mmPL	DIM - LOOKS LIKE P.N. IN 8	
Oct 30 2007	1.9"	12x50	B,S,R=F	
H19-8	NGC 6840	Aql	Open Cluster 10.0 cluster?	CL,P,LC
Sep 05 2007	8"	11mmT6	PF,PS,R=F	
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	
H20-4	NGC 2185	Mon	Nebula R	*11\$4S*IN VF,L,NEB
Mar 13 2007	8"	11mmT6	PF,PS,R=F,HINT OF NEBULOSITY	
H20-5	NGC 247	Cet	Galaxy SAB(s)d	F,EL,VME172
Nov 21 2006	8"	19mmW	F,L,EON,NND,R=F	
H20-6	NGC 288	ScI	Globular	GCL,B,L,LE,*12...16
Oct 09 2007	8"	11mmT6	PB,PL,SMUDGE, RESOLVED NO STARS,R=G	
H20-7	NGC 2215	Mon	Open Cluster 11.0 II 2 m	CL,CL,PRI,PC,ST11.15
Mar 29 2006	8"	19mmW	F,S,R=F	
H20-8	NGC 6885	Vul	Open Cluster 5.9 III 2 m	CL,VB,VL,RI,LC,*6.11
Jul 23 2006	8"	11mmT6	PB,PS,R=F	
H21-1	NGC 3810	Leo	Galaxy SA(rs)c	B,L,VLE
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	

Herschel 2500 Observations

H21-1	NGC 3810	Leo	Galaxy SA(rs)c	B,L,VLE
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Apr 18 2012	18"	8.8 ES	PF,S,OVAL,FNUC,R=G	
Apr 26 2006	8"	11mmT6	PF,L,OVAL,UB,NND,R=F	
H21-3	NGC 3491	Leo	Galaxy S0-	EF,CS,R,BMN
Apr 19 2007	31"	17mmT4	CB,CL,R,BNUC,HISB,R=F	
H21-4	NGC 1964	Lep	Galaxy SAB(s)b	F,VS,R,VSVMBM,3*INV
Dec 04 2004	8"	11mmT6	MB,EL,FNUC,MSB,R=G	
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	
H21-6	NGC 2266	Gem	Open Cluster 11.0 II 2 m	CL,PS,EC,RI,ST11..15
Mar 04 2006	8"	19mmW	MB,S,R=F	
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+?	
H22-1	NGC 4371	Vir	Galaxy SB(r)0+	B,PS,R,GBM
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Apr 26 2006	8"	11mmT6	PF,PS,OVAL,NND,R=F	
H22-3	NGC 3506	Leo	Galaxy Sc:	VF,CS,R,VGVLBM
Apr 19 2007	31"	17mmT4	PB,L,R,FNUC,MHISB,R=G	
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	
H22-6	NGC 2548	Hya M48	Open Cluster 8.0 I 3 r	CL,VL,PRI,PMC,*9..13
Feb 25 2004	8"	25mmPL	1ST. QTR.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 19 2006	8"	25mmPL	F,R=F	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
May 22 2015	12"	17mmT4	TYPICAL OPEN CLUSTER R=F	
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	
H22-8	NGC 6882	Vul	Open Cluster	CL,P,LC
Jul 23 2006	8"	11mmT6	PB,PS,R=F	
H23-2	NGC 4420	Vir	Non-Existent	F,PL,LE,R,(=4409)
Apr 05 2005	8"	7.5mmW	VF,VS,EL,NND,AV,R=F	
Mar 30 2014	18"	7mm TV	PF,PS,OBVAL,MEXT,UB,NND,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	
H23-4	NGC 936	Cet	Galaxy SB(rs)0+	VB,VL,R,MBMN,P OF 2
Nov 21 2006	8"	11mmT6	B,LOVAL,NND,R=F	
H23-6	NGC 6645	Sgr	Open Cluster 12.0 IV 1 m	CL,PL,VRI,PC,ST11.15
Jul 08 2004	8"	25mmPL	VERY CLEAR NIGHT - LEFT AT 1:00AM	

Herschel 2500 Observations

H23-6	NGC 6645	Sgr	Open Cluster 12.0 IV 1 m	CL,PL,VRI,PC,ST11.15
Jul 08 2004	8"	25mmPL	VERY CLEAR NIGHT - LEFT AT 1:00AM	
Jul 16 2006	8"	19mmW	PB,PS,R=G	
H23-7	NGC 2489	Pup	Open Cluster 11.0 I 2 m	CL,PL,CRI,PC,*11..13
Mar 13 2007	8"	19mmW	F,S,R=F	
H23-8	NGC 6950	Del	Open Cluster cluster?	CL,P,VLC
Aug 18 2010	12"	11mmT6	PF,PS,R=F,LOOSE,STARS 30+	
H24-1	NGC 4596	Vir	Galaxy SB(r)0+	B,PS,R,GMBM,R,3*F
Apr 08 2005	8"	11mmT6	MB,ML,OVALFNUC,R=G	
H24-2	NGC 4772	Vir	Galaxy SA(s)a	PF,PS,R,MBM
Apr 08 2005	8"	11mmT6	VB,VS,EL,NND,R=F	
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	
H24-5	NGC 4565	Com	Galaxy SA(s)b? sp	B,EL,EE135,VSBMN=*10
Apr 13 2005	8"	7.5mmW	MB,ML,EL,EON,FNUC,R=G	
Mar 04 2006	31"	31mmT5	VB,VL,EON,BNUC,HISB,R=G	
May 14 2010	31"	17mmT4	VB,VL,EON,BNUC,HSB,DARK DUST LANE BISECST. FILLS EYEPIECE,R=E!!	
May 18 2009	31"	31mmT5	PB,PL,EON,BNUC,HISB,R=E, NICE DUST LANE	
H24-6	NGC 7044	Cyg	Open Cluster 15.0 I 1 r	CL,VF,PL,VRI,VC
Jul 23 2006	8"	19mmW	B,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	
H24-8	NGC 2169	Ori	Open Cluster 6.9 III 3 m	CL,S,LRI,PMC,**
Apr 17 2006	8"	19mmW	B,S,R=F	
Nov 04 2007	1.9"	12x50	PF,S,R=F	
Nov 06 2004	8"	11mmT6	NICE SHAPE	
H25-1	NGC 4754	Vir	Galaxy SB(r)0-	B,PL,R,PSBM,P OF 2
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Apr 28 2006	31"	19mmW	CB,CL,OVAL,UB,FNUC,MSB,R=G	
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	
H25-4	NGC 2327	CMa	Nebula	PB**INV INS,VF,NEB
Mar 28 2011	12"	7mm TV	SMALL,FAINT,R=F,OIII	
H25-5	NGC 246	Psc	Planetary Neb 3b	VF,L,4*IN DIF NEB
Nov 21 2006	8"	11mmT6	F,L,R,R=G	
Nov 28 2010	12"	7mm TV	PF,PS,R=F,IRREGULAR SHAPE, NO CENTRAL STAR, OIII HELPS	
H25-6	NGC 1245	Per	Open Cluster 12.0 II 2 r	CL,PL,RI,C,IR,*12.15
Nov 09 2004	8"	7.5mmW	MANY STARS - FAINT	
H25-7	NGC 2186	Ori	Open Cluster 12.0 II 2 m	CL,PL,PRI,PC,ST L\$\$
Mar 29 2006	8"	11mmT6	F,S,R=F	
H25-8	NGC 2232	Mon	Open Cluster 5.0 III 2 p	B* 10MON +CL
Mar 08 2007	1.9"	12x50	FB,S,LOOSE,R=F	
Mar 09 2004	8"	25mmPL	COMPTER = ARGO NAVIS	
Mar 13 2007	8"	19mmW	PB,PL,R=F,LOOSE GROUP	
H26-4	NGC 1535	Eri	Planetary Neb 4+2c	PLN,VB,S,R,PS,VSBM,R
Dec 28 2008	31"	17mmT4	VB,PS,R,R=G,BRIGHT CENTRAL STAR!!, OIII	

Herschel 2500 Observations

H26-4	NGC 1535	Eri	Planetary Neb 4+2c	PLN,VB,S,R,PS,VSBM,R
Dec 28 2008	31"	17mmT4	VB,PS,R,R=G,BRIGHT CENTRAL STAR!!, OIII	
Feb 17 2012	18"	11mmT6	OIII FILTER - VERY NICE PLANETARY	
Nov 11 2009	12"	7.5mmW	B,PS,R=G, NO CENTRAL STAR NOTED.	
Nov 21 2006	8"	11mmT6	B,PS,R, NO CENTRAL STAR,R=F	
H26-5	NGC 3003	LMi	Galaxy Sbc?	CB,L,VME90
Mar 20 2007	8"	11mmT6	VF,L,EON,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	
H26-8	NGC 2129	Gem	Open Cluster 10.0 I 3 m	CL,PL,40OR50ST8...15
Dec 15 2004	8"	11mmT6	R, R=G	
H27-1	NGC 3412	Leo	Galaxy SB(s)0^	B,S,LE135,SMBMN
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Apr 26 2006	8"	11mmT6	FB,PS,OVAL,FNUC,MSB,R=G	
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	
H27-4	NGC 3242	Hya	Planetary Neb 4+3b	PLN,VB,LE147,45"D
Apr 08 2005	8"	7.5mmW	VB,VL,R,R=G	
May 22 2015	12"	8mm Ds	NO FILTER CENTRAL STAR NOT VISIBLE	
H27-6	NGC 2301	Mon	Open Cluster 8.0 I 3 r	CL,RI,L,IF,ST L\$S
Mar 08 2007	1.9"	12x50	PB,S,COMPRESSED,R=F	
Mar 29 2006	8"	19mmW	PB,L,R=G	
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	
H28-1	NGC 4435	Vir	Galaxy SB(s)0^	VB,CL,R,NP OF 2
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Apr 26 2006	8"	11mmT6	B,S,R,FNUC,MSB,R=G	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGONAVIS	
May 14 2017	12"	11mmT6	F,PS,R,FNUC,R=E	
H28-1	NGC 4438	Vir	Galaxy SA(s)0/a pec:	B,CL,VLE,R,SF OF 2
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Apr 26 2006	8"	11mmT6	F,PL,EL,OVAL,NND,R=F	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGONAVIS	
May 14 2017	12"	11mmT6	F,PS,EON,FNUC,R=E	
H28-2	NGC 3226	Leo	Galaxy E2: pec	PB,CL,R,DW/3227
Apr 26 2006	8"	11mmT6	PF,PS,OVAL,NND,R=F	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGONAVIS	
H28-5	NGC 2024	Ori	Nebula E	IRR,B,VVL,BLACKSPINC
Nov 22 2006	8"	11mmT6	B,L,R=G,STARSGLOW,IRREGULARSHAPE	
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	
H28-7	NGC 2423	Pup	Open Cluster 9.0 II 2 m	CL,VL,RI,PC,ST VS
Mar 13 2007	8"	19mmW	F,PL,R=G,DIM PATCH	
H28.1-4	NGC 4038	Crv	Galaxy SB(s)m pec	PB,CL,R,VGBM
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	
H28.2-4	NGC 4039	Crv	Galaxy SA(s)m pec	PF,PL

Herschel 2500 Observations

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	
H29-1	NGC 3593	Leo	Galaxy SA(s)0/a:	B,CL,E90,PSMBM
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Apr 26 2006	8"	11mmT6	F,L,EON,NND,R=F	
H29-2	NGC 3227	Leo	Galaxy SAB(s)a pec	PB,CL,R,DW/3226
Apr 26 2006	8"	11mmT6	F,S,EL,R,NND,R=F	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
Mar 23 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
H29-6	NGC 7245	Lac	Open Cluster 12.8 II 2 m	CL,C,ST ES
Nov 13 2007	8"	11mmT6	PF,VVS,R=P	
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	
H30-1	NGC 4365	Vir	Galaxy E3	CB,PL,VLE,GL,SMBM
Apr 26 2006	8"	11mmT6	PB,PL,OVAL,FNUC,MSB,R=G	
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
H30-3	NGC 3802	Leo	Galaxy S	VF,PS,2VB*P,3RD OF3
May 14 2010	31"	17mmT4	PB,PS,EON,UB,DNUC,R=G	
H30-4	NGC 4861	CVn	Galaxy SB(s)m:	VF,PL,VME30,BET2ST
Apr 06 2010	12"	11mmT6	PF,PS,EON,NND,AV,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	
H30-6	NGC 7789	Cas	Open Cluster 10.0 II 2 r	CL,VL,VRI,VMC,*11.18
Aug 21 2004	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
Dec 05 2015	12"	17mmT4	CAROLINE'S ROSE. VERY NICE	
Dec 31 2003	8"	25mmPL	H/M COLD	
Jul 24 2006	8"	11mmT6	PB,PL,R=G	
Nov 09 2006	8"	19mmW	15+,PF,R=F	
Nov 26 2006	1.9"	12x50	F,S,R=F	
H30-7	NGC 6568	Sgr	Open Cluster IV 1 m	CL,VL,LC
Jul 09 2005	8"	11mmT6	MB,R=G. NICE, BRIGHT CLUSTER	
H30-8	NGC 2527	Pup	Open Cluster II2m	CL,VL,PRI,LC,*10..15
Mar 13 2007	8"	19mmW	F,PL,R=F,PATCHY	
Mar 28 2008	1.9"	12x50	PB,PL,R=G	
H31-1	NGC 4526	Vir	Galaxy SAB(s)0^:	VB,VL,ME120,PSMBM
Apr 16 2004	8"	25mmPL	CLEAR - PALM PILOT DIRECTED	
Apr 26 2006	8"	11mmT6	VB,CS,EON,BNUC,R=G	
May 14 2007	31"	17mmT4	VB,CL,EON,BNUC,HISB,R=G	
H31-2	NGC 4592	Vir	Galaxy SA(s)dm:	F,L,E90,VGBM
Apr 08 2005	8"	11mmT6	MF,ML,EL,EON,NND,AV,R=F	
Apr 26 2009	16"	17mmT4	CF,PS,EON,UB,NND,R=F	
H31-4	NGC 7302	Aqr	Galaxy SA(s)0-:	F,PS,R,VSBSMN
Sep 12 2010	12"	5.5mmN	CF,CS,OVAL,MEXT,UB,NND,R=F,PA=165	
H31-5	NGC 1980	Ori	Nebula III 3 m n	VF,VVL,44ORIONIS INV
Mar 29 2006	8"	19mmW	PB,L,R=F	

Herschel 2500 Observations

H31-5	NGC 1980	Ori	Nebula III 3 m n	VF,VVL,44ORIONIS INV
Mar 29 2006	8"	19mmW	PB,L,R=F	
H31-6	NGC 663	Cas	Open Cluster 9.0 II 3 r	CL,B,L,ERI,ST PL
Aug 21 2015	12"	8mm Ds		
Dec 05 2015	12"	17mmT4		
Nov 09 2006	8"	19mmW	LOOSE, CLUSTERED SOUTHERN HALF,R=F	
Nov 26 2006	1.9"	12x50	F,CS,PATCHY,R=F	
Oct 21 2012	8"	11mmT6	B,L,LOOSE,STGARS=40-60,R=G	
Sep 15 2004	8"	11mmT6	NICE - LOTS OF STARS	
H31-7	NGC 6583	Sgr	Open Cluster I 2 m	CL,PRI,PC,CE,ST13...
Jul 08 2004	8"	25mmPL	VERY CLEAR NIGHT - LEFT AT 1:00AM	
Jul 23 2006	8"	11mmT6	CF,S,R=F	
H31-8	NGC 2286	Mon	Open Cluster 9.0 III 2 m	CL,L,C,AB100*9...15
Mar 29 2006	8"	19mmW	B,L,R=F	
H32-1	NGC 4570	Vir	Galaxy S0 sp	CB,PS,ME0,SBMRN
Apr 28 2006	31"	19mmW	VB,CL,EON,,BNUC,PHISB,R=G	
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
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	
H32-5	NGC 1788	Ori	Nebula R	B,CL,R,BM,***15,*1'F
Nov 21 2006	8"	11mmT6	F,S,S,R=F, BRIGHTER THAN SOME.	
H32-6	NGC 7086	Cyg	Open Cluster 10.2 II 2 m	CL,CL,VRI,PC,*11..16
Jul 23 2006	8"	19mmW	PB,PS,R=F	
H32-7	NGC 752	And	Open Cluster 8.0 II 2 r	CL,VVL,RI,*L\$SC
Nov 26 2006	1.9"	12x50	B,L,LOOSE,RESOLVE 4-5 STARS,R=F	
Oct 06 2004	8"	7.5mmW	EB,R,UB,R=G	
Oct 29 2006	8"	19mmW	50+STARS,R,R=G	
H32-8	NGC 2335	Mon	Open Cluster 10.0 III 2 m n	CL,L,LC
Mar 29 2006	8"	19mmW	F,PS,R=F	
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	
H33-2	NGC 3640	Leo	Galaxy E3	B,PL,R,PSBM
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Apr 15 2007	31"	17mmT4	PB,L,R,BNUC,HISB,R=G	
Apr 26 2006	8"	11mmT6	PB,L,OVAL,FNUC,MSB,R=G	
H33-4	NGC 1999	Ori	Nebula E	*10,11INV IN NEB
Feb 20 2006	31"	31mmT5	MB.ML,R=F, OIII	
H33-6	NGC 869	Per	Open Cluster 6.6 I 3 r	CL,VVL,VRI,*7...14
Aug 21 2015	12"	35mm A		
Aug 31 2010	12"	17mmAT	NIGHT ENDING EYE CANDY	
Dec 05 2015	12"	17mmT4		
Dec 31 2003	8"	25mmPL	H/M COLD	
Jan 25 2018	12"	35mm A	NICE OBJECT	
Oct 01 2006	1.9"	12x50	B,L,R=G, TIGHT GROUP	
Oct 12 2012	18"	35mm A	DOUBLE CLUSTER W/35MM A.T. 68 DEGREE AND PARACORR	
Oct 13 2006	1.9"	12x50	PB,PL,R=G	

Herschel 2500 Observations

H33-6	NGC 869	Per	Open Cluster 6.6 I 3 r	CL,VVL,VRI,*7...14
Oct 13 2006	1.9"	12x50	PB,PL,R=G	
Oct 21 2012	8"	25mmPL	NICE BUT NOT AS NICE AS WRO	
Oct 29 2006	8"	19mmW	B,L,LOOSE,R,R=G	
Oct 31 2004	1.9"	12x50	VERY NICE IN BINOCULARS	
Sep 01 2005	8"	7.5mmW	VB,R,R=G. BEAUTY - DOUBLE CLUSTER	
Sep 24 2016	12"	17mmT4	GREAT OBJECT.	
H33-7	NGC 1857	Aur	Open Cluster 11.0 I 3 m	CL,PRI,PC,ST7...
Dec 28 2006	1.9"	12x50	F,S,PATCHY,UNRESOLVED,R=F	
Jan 26 2006	8"	19mmW	R=P, FEW STARS	
H33-8	NGC 2343	Mon	Open Cluster 8.0 II 2 p n	CL,CL,P,LC
Mar 29 2006	8"	19mmW	F,PS,R=F	
H34-1	NGC 5248	Boo	Galaxy SAB(rs)bc	B,L,E150,PSBMRN
Jul 01 2016	12"	8mm Et	MB,ML,OVAL, FNUC,R=G	
May 04 2005	8"	11mmT6	MB,ML,OVAL,FNUC,R=G	
H34-4	NGC 2022	Ori	Planetary Neb 4+2	PLN,PB,VS,VLE
Dec 28 2008	31"	17mmT4	F,PS,OVAL,R=G, NO CENTRAL STAR	
Mar 09 2004	8"	25mmPL	COMPTER = ARGO NAVIS	
Nov 22 2006	8"	11mmT6	PF,S,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?	
H34-6	NGC 884	Per	Open Cluster 6.4 I 3 r	CL,VL,VRI,RUBY*M
Aug 21 2015	12"	35mm A		
Aug 31 2010	12"	17mmAT	NIGHT ENDING EYE CANDY	
Dec 05 2015	12"	17mmT4		
Dec 31 2003	8"	25mmPL	H/M COLD	
Jan 25 2018	12"	35mm A	NICE OBJECT	
Oct 01 2006	1.9"	12x50	PB,PL,R=G, LITTLE LOOSER	
Oct 12 2012	18"	35mm A	DOUBLE CLUSTER W/35MM A.T. 68 DEGREE AND PARACORR	
Oct 13 2006	1.9"	12x50	PB,PL,R=G	
Oct 21 2012	8"	25mmPL	NICE BUT NOT AS NICE AS WRO	
Oct 29 2006	8"	19mmW	B,L,COMPRESSED,R,R=G	
Oct 31 2004	1.9"	12x50	VERY NICE IN BINOCULARS	
Sep 01 2005	8"	7.5mmW	VB,R,R=G. BEAUTY - DOUBLE CLUSTER	
Sep 24 2016	12"	17mmT4	GREAT OBJECT.	
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	
H34-8	NGC 2353	Mon	Open Cluster 9.0 III 3 p	CL,L,LC,ONEVB*
Mar 29 2006	8"	19mmW	SMALLER, BRIGHTER,L,R=G	
H35-1	NGC 4216	Vir	Galaxy SAB(s)b:	VB,VL,VME17,SBMN
Apr 04 2005	8"	11mmT6	VB,EON,FNUC,MSB,R=G	
Apr 16 2009	16"	17mmT4	PB,PL,EON,BNUC,HSB,R=G	
May 16 2004	10"	28mm	CLEAR - MEGASTAR CONTROL	
H35-2	NGC 4457	Vir	Galaxy (R)SAB(s)0/a	CB,PS,R,SMBMN
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
H35-3	NGC 3848	Vir	Galaxy Sc	EF,VS
May 18 2007	31"	17mmT4	PB,PS,OVAL,UB,NND,R=G	
H35-4	NGC 2610	Hya	Planetary Neb 4+2	F,S,ATTTO*13,*7NF

Herschel 2500 Observations

H35-4	NGC 2610	Hya	Planetary Neb 4+2	F,S,ATTTO*13,*7NF
Mar 29 2006	8"	11mmT6	PF,PS,R=F	
H35-6	NGC 136	Cas	Open Cluster 13.0 II 1 p	GCL,VF,S,EC
Nov 03 2004	8"	11mmT6		
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	
H36-1	NGC 4550	Vir	Galaxy SB0^: sp	PB,S,VLE,SP OF 2
Apr 13 2005	8"	11mmT6	MF,MS,EL,NND,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	
H37-1	NGC 4551	Vir	Galaxy E:	PB,S,R,BM,NF OF 2
Apr 13 2005	8"	11mmT6	VF,MS,OVAL,NND,AV,R=F	
H37-2	NGC 4527	Vir	Galaxy SAB(s)bc	PB,L,PME69,MBM
Apr 13 2005	8"	11mmT6	MB,ML,EL,EON,FNUC,R=G	
H37-3	NGC 4067	Vir	Galaxy SA(s)b:	F,PS,R,GBM
Mar 08 2010	12"	11mmT6	VF,CS,OVAL,UB,NND,AV,R=F	
H37-4	NGC 6543	Dra	Planetary Neb 3a+2	PLN,VB,PS,SBMVSN
Apr 13 2005	8"	11mmT6	VB,VS,R,R=G	
Jul 09 2005	8"	11mmT6	VB,VS,OVAL,R=G	
Oct 21 2012	8"	5mm TV	B,PS,OVAL IN SHAPE,R=F	
Sep 05 2010	12"	5.5mmN	PB,PS,R=G, NO CENTRAL STAR NOTED. OIII NOT MUCH HELP - NO ADDITIONAL STRUCTURE	
H37-5	NGC 7000	Cyg	Nebula E	F,EEL,DIF NEBULOSITY
Aug 02 2005	8"	19mmW	PRETTY LARGE, PRETTY BRIGHT, PRETTY NEAT	
Aug 21 2015	12"	35mm A	LP2 FILTER	
Jul 01 2016	12"	35mm A	GREAT,R=E!! LP2 FILTER	
Jul 15 2015	12"	35mm A	LP2 FILTER - VERY NICE OBJECT	
Jul 19 2017	12"	35mm A	OUTSTANDING.	
Jul 25 2011	12"	32mmUW	B,VL,R=E!! LP-2 FILTER, OUTSTANDING	
Jun 20 2007	1.9"	12x50	F,EL,R=G, LITTLE BETTER	
H37-6	NGC 2506	Mon	Open Cluster 11.0 I 2 r	CL,PL,VRI,C,*11...20
Mar 29 2006	8"	19mmW	PF,PS,R=F, NICE GROUP	
H37-7	NGC 2262	Mon	Open Cluster II 1 m	CL,VC,IR,BM,ST ES
Nov 25 2006	8"	11mmT6	F,PS,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	
H38-2	NGC 4636	Vir	Galaxy E	B,L,IR,VGVMBM,R
Apr 26 2009	16"	17mmT4	PB,PS,OVAL,FNUC,R=F	
Apr 28 2006	31"	19mmW	VB,VL,OVAL,BNUC,PHISB,R=G	
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
H38-4	NGC 2182	Mon	Nebula R	PB**,L*NEB,E90
Mar 28 2011	12"	11mmT6	VF,VS,IRREGULAR,R=F, OIII	

Herschel 2500 Observations

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"	32mmUW9TH	OBJECT	
H38-7	NGC 2324	Mon	Open Cluster 12.0 II 2 r	CL,L,RI,CC,ST12...16
Nov 25 2006	8"	11mmT6	F,SMALL-COMPRESSED,R=G	
H38-8	NGC 2422	Pup M47	Open Cluster 5.0 I 3 m	CL,B,VL,PRI,ST L\$\$
Dec 30 2003	8"	25mmPL	H/M COLD	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 19 2006	8"	25mmPL	PB,R=G	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
H39-1	NGC 4697	Vir	Galaxy E6	VB,L,LE45,SMBMN
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Apr 28 2006	31"	19mmW	CB,VL,OVAL,VBNUC,VHISB,R=G	
H39-4	NGC 2438	Pup	Planetary Neb 4+2	PLN,PB,PS,VLE,R
Feb 17 2012	18"	11mmT6	OIII FILTER - VERY NICE PLANETARY	
Mar 13 2007	8"	7.5mmW	VF,VS,R=F, NO CENTRAL STAR	
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	
H39-6	NGC 2571	Pup	Open Cluster 8.8 II 3 m	CL,VL,CRI,LC,ST9...
Mar 13 2007	8"	19mmW	VF,L,R=F	
Mar 28 2008	1.9"	12x50	B,S,R=F	
H39-7	NGC 1907	Aur	Open Cluster 11.0 I 1 m n	CL,PRI,PC,R,ST9...12
Jan 25 2018	12"	11mmT6	NICE OBJECT	
Jan 26 2006	8"	19mmW	R=G, SMALL, TIGHT, BRIGHT	
Oct 02 2006	1.9"	12x50	CB,CS,R=F.	
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	
H40-2	NGC 2911	Leo	Galaxy SA(s)0: pec	F,PL,R,GBM,P OF 2
Mar 16 2010	12"	11mmT6	CF,CS,OVAL,UB,NND,R=F	
H40-3	NGC 4482	Vir	Galaxy E	EF,PL
May 25 2014	18"	8mm Ds	PF,PS,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	
H40-6	NGC 6171	Oph M107	Globular	GCL,L,VRI,VMC,R,RRR
Aug 20 2006	1.9"	12x50	VF,PS,AV,R=F	
Jul 02 2017	12"	17mmT4	OK	
Jun 14 2004	8"	25mmPL	SPOTTY CLOUDS - MEGASTAR CONTROL	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	

Herschel 2500 Observations

H40-6	NGC 6171	Oph M107 Globular		GCL,L,VRI,VMC,R,RRR
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 27 2006	8"	19mmW	F,L,R=F, DENSE	
H40-7	NGC 7128	Cyg Open Cluster 11.5 I 3 m		CL,S,PRI,HASARUBY*9
Jul 23 2006	8"	19mmW	PF,CS,R=F,SMUDGE, NO STARS	
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	
H41-1	NGC 4731	Vir Galaxy SB(s)cd		VF,PL,E
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
H41-2	NGC 3389	Leo Galaxy SA(s)c		F,L,E PF,VGLBM,3RD-3
Apr 02 2008	8"	11mmT6	PF,PS,OVAL,NND,R=F	
Apr 26 2006	8"	11mmT6	PF,PS,EL,OVAL,NND,R=F	
H41-3	NGC 4491	Vir Galaxy SB(s)a:		F,L,R
May 14 2007	31"	17mmT4	PF,PS,OVAL,UB,NND,R=F	
H41-4	NGC 6514	Sgr M20 Nebula EN+OC		VB,VL,TRIFID,D*INV
Aug 12 2006	1.9"	12x50	VB,VL,R=E	
Aug 15 2015	12"	11mmT6		
Jul 05 2016	12"	17mmAT	BEAUTIFUL,R=E!!, LP2 FILTER	
Jul 19 2017	12"	17mmT4	LP2 FILTER HELPS A BIT.	
Jul 19 2017	12"	27m PN	LOOKS MUCH BETTER WITH 27MM PANOPTIC.	
Jun 14 2004	8"	25mmPL	SPOTTY CLOUDS - MEGASTAR CONTROL	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 27 2006	8"	19mmW	B,L,FEW STARS,NEBULASITY OK,R=G	
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	
H41-6	NGC 6412	Dra Galaxy SA(s)c		GCL,CL,R,VGBM,RR
Sep 05 2010	12"	5.5mmN	DIFF,PF,PS,OVAL,NND,R=F,PA=170	
H41-7	NGC 7296	Lac Open Cluster 10.0 II 2 p		CL,IR,LC,ST VS
Jul 24 2006	8"	11mmT6	PF,CS,R=F	
H42-1	NGC 4995	Vir Galaxy SAB(rs)b		PB,PL,R,VGPMBM,*8NP
Apr 28 2006	31"	19mmW	PB,CL,OVAL,FNUC,MSB,R=F	
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
H42-2	NGC 3547	Leo Galaxy Sb:		F,S,LE,VLBM
Apr 19 2007	31"	17mmT4	PB,L,UB,NND,R=G	
H42-3	NGC 4497	Vir Galaxy SAB(s)0+:		VF
May 14 2007	31"	17mmT4	PB,PL,OVAL,UB,NND,R=G	
H42-4	NGC 676	Psc Galaxy S0/a: sp		VF,E161,SBM*9
Oct 09 2007	8"	11mmT6	PF,PS,EON,NND,AV,R=F	
H42-5	NGC 4631	CVn Galaxy SB(s)d sp		VB,VL,EE70,BMN,*ATTN
May 04 2005	8"	19mmW	MB,ML,EL,EON,FNUC,R=G	
H42-6	NGC 6939	Cep Open Cluster 11.9 II 1 r		CL,PL,ERI,PCM,*11.16
Oct 06 2004	8"	7.5mmW	MF,R=F	

Herschel 2500 Observations

H42-6	NGC 6939	Cep	Open Cluster 11.9 II 1 r	CL,PL,ERI,PCM,*11.16
Oct 06 2004	8"	7.5mmW	MF,R=F	
Oct 10 2004	8"	11mmT6	MF,R=F, LARGE O.C. LOTS OF STARS	
H42-7	NGC 457	Cas	Open Cluster 8.6 II 3 r	CL,B,L,PRI,*7,8,10
Dec 05 2015	12"	17mmT4	E.T. CLUSTER. AKA OWL CLUSTER	
Dec 31 2003	8"	25mmPL	H/M COLD	
Jul 23 2006	8"	7.5mmW	CB,PL,R=G,EXTENDED GROUP	
Nov 09 2006	8"	19mmW	30+,CROSS SHAPED,R=F	
Nov 26 2006	1.9"	12x50	F,L,DIM,PATCHY,R=F	
Oct 21 2012	8"	11mmT6	F,S,STARS=50-60,R=G	
Sep 24 2016	12"	11mmT6	B,L,R=G. OWL CLUSTER	
H43-1	NGC 4594	Vir M104	Galaxy SA(s)a sp	VB,VL,EE92,VSMBMN
Apr 02 2008	31"	40mm	PB,PL,EON,BNUC,HISB,R=E	
Apr 05 2005	8"	7.5mmW	VB,VL,EON,NUC,HISB,R=E!!	
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Apr 14 2016	12"	8mm Ds	PF,PS,EON,FNUC,R=F,DUST LANE FAINT.	
Apr 19 2007	31"	17mmT4	VB,VL,EON,BNUC,VHISB,R=E!!	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 26 2006	8"	19mmW	PB,PL,EON,BNUC,HISB,R=G	
May 06 2007	1.9"	12x50	PB,PL,EON,NND,R=G	
May 14 2017	12"	11mmT6	VERY NICE.	
May 22 2015	12"	8mm Ds	ALWAYS GREAT. DUST LANE VISIBLE	
May 23 2015	12"	11mmT6		
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	
H43-3	NGC 4606	Vir	Galaxy SB(s)a:	VF,PS,E,20R3VS*INV
Apr 08 2005	8"	11mmT6	MF,ML,OVAL,NND,R=F	
H43-4	NGC 1186	Per	Galaxy SB	F*W/NEB APPENDAGES
Oct 25 2009	12"	7.5mmW	VF,PS,EON,NND,AV,R=F	
H43-5	NGC 4258	CVn M106	Galaxy Sb	VB,VL,VME0,SBMBN
Dec 26 2003	8"	25mmPL	Q/M COLD	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 26 2006	8"	19mmW	MB,ML,OVAL,FNUC,MSB,,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	
H44-1	NGC 6401	Oph	Globular	PB,PL,R,*12F INV
Jul 15 2006	8"	19mmW	EF,CS,R=F,VERY DIM SMUDGE	

Herschel 2500 Observations

H44-1	NGC 6401	Oph	Globular	PB,PL,R,*12F INV
Jul 15 2006	8"	19mmW	EF,CS,R=F,VERY DIM SMUDGE	
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	
H44-2	NGC 3190	Leo	Galaxy SA(s)a pec sp	B,PS,E,PSBMN
Apr 05 2005	8"	11mmT6	MF,ML,EL,EON,FNUC,R=G	
Apr 15 2007	31"	17mmT4	VB,PL,EON,BNUC,HISB,R=G	
Apr 26 2006	8"	11mmT6	F,PS,EL,OVAL,NND,R=F	
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 = ARGONAVIS	
H44-5	NGC 2403	Cam	Galaxy Sc	CB,EL,VME,VGMBMN
Nov 26 2006	1.9"	12x50	PF,PS,OVAL,AV,R=F	
Oct 06 2004	8"	11mmT6	MB,EL,OVAL,NND,R=G	
H44-7	NGC 7510	Cep	Open Cluster 10.0 II 3 r n	CL,PRI,PC,FAN-SH,B*P
Mar 04 2006	8"	19mmW	B,S,R=G	
H45-1	NGC 6316	Oph	Globular	GCL,CB,PS,R,GVMBM
Jul 01 2016	12"	7mm TV	F,PS,R=F	
Jul 15 2006	8"	19mmW	F,PS,R=F,LOOSE SMUDGE, NO STARS	
Jun 23 2004	8"	25mmPL	QUARTER MOON, LEFT @1:30AM.	
H45-2	NGC 3193	Leo	Galaxy E2	B,S,VLE,PSLBM,*9NF
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Apr 15 2007	31"	17mmT4	VB,L,R,BNUC,HISB,R=G	
Apr 26 2006	8"	11mmT6	PF,PS,R,NND,R=F	
H45-4	NGC 2392	Gem	Planetary Neb 3b+3b	B,S,R,*9M,*8NF100"
Dec 04 2004	8"	7.5mmW	VB,R,HISB,R=E!!!	
May 22 2015	12"	8mm Ds	NO FILTER NEEDED CENTRAL STAR VISIBLE	
Nov 06 2004	8"	11mmT6	NOT A BAD PLANETARY	
H45-5	NGC 3953	UMa	Galaxy SB(r)bc	CB,L,E0,VSMLRN
Mar 18 2007	8"	11mmT6	PB,PL,EL,OVAL,FNUC,MSB,R=G	
H45-7	NGC 436	Cas	Open Cluster 10.0 I 2 m	CL,S,IF,PC
Nov 26 2006	1.9"	12x50	F,PS,DIM PATCH,R=F	
Oct 21 2012	8"	11mmT6	PF,PS,STARS=12-15,R=F	
Sep 19 2004	8"	7.5mmW	TYPICAL CLUSTER	
H46-1	NGC 6355	Oph	Globular	CF,L,R,GBM,RRR
Jul 15 2006	8"	19mmW	EF,S,AV,R=F	
Jul 23 2016	12"	8mm Et	PF,PS,R=F. DID NOT RESOLVE.	
Jun 23 2004	8"	25mmPL	QUARTER MOON, LEFT @1:30AM.	
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	
H46-5	NGC 3556	UMa M108	Galaxy SB(s)cd sp	CB,VL,VME79,PBM,R
Aug 20 2006	1.9"	12x50	PF,PS,OVAL,NND,R=F	
Dec 26 2003	8"	25mmPL	Q/M COLD	
Jul 15 2015	12"	17mmT4		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2007	1.9"	12x50	F,S,EON,NND,R=F	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	

Herschel 2500 Observations

H46-5	NGC 3556	UMa M108	Galaxy SB(s)cd sp	CB,VL,VME79,PBM,R
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 19 2006	8"	19mmW	FB,FL,EL,EON,RNUC,R=G	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
May 23 2015	12"	11mmT6		
H46-7	NGC 654	Cas	Open Cluster 10.0 II 2 r	CL,IF,RI,1*6.7,
Oct 21 2012	8"	11mmT6	F,S,LOOSE,STARS=15-20,R=F	
Sep 15 2004	8"	11mmT6	FEWER STARS	
H47-1	NGC 6712	Sct	Globular	GCL,PB,VL,IRR,RRR
Aug 13 2007	31"	31mmT5	PB,PS,R=G, RESOLVE OUTER STARS	
Jul 15 2006	8"	19mmW	PB,PS,R=G	
Jul 21 2007	1.9"	12x50	F,PS,R=F	
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	
H47-2	NGC 3437	Leo	Galaxy SAB(rs)c:	PB,PL,LE120,GBM
May 13 2007	8"	11mmT6	VF,CS,EL,OVAL,NND,AV,F	
H47-4	NGC 4915	Vir	Galaxy E0	PB,S,R,BM
Apr 09 2008	8"	11mmT6	VF,VS,R,NND,AV,R=F	
H47-5	NGC 3079	UMa	Galaxy SB(s)c sp	VB,L,ME135
Mar 04 2006	8"	11mmT6	PF,FL,EON,NND,R=F	
H47-7	NGC 1502	Cam	Open Cluster 7.0 I 3 m	CL,PRI,CC,IF
Nov 26 2006	1.9"	12x50	COMPACT, BRIGHT, R=G	
Oct 06 2004	8"	11mmT6	OVAL,HISB,R=E	
H48-1	NGC 6356	Oph	Globular	GCL,VB,CL,VGMBM,RRR
Jul 15 2006	8"	19mmW	PB,PS,R=G, DIM STARS	
Jul 21 2007	1.9"	12x50	PF,S,PATCH,R=F	
Jul 23 2016	12"	8mm Et	F,S,R=F. DID NOT RESOLVE	
Jun 23 2004	8"	25mmPL	QUARTER MOON, LEFT @1:30AM.	
H48-2	NGC 2672	Cnc	Galaxy E1-2	PB,PL,IR,MBM
Mar 15 2005	8"	11mmT6	MF,ML,OVAL,PATCH,NND,R=F	
Mar 20 2007	8"	11mmT6	VF,VS,R,NND,AV,R=F	
H48-5	NGC 1097	For	Galaxy SB(s)b	VB,L,VME151,VBMN
Nov 21 2006	8"	11mmT6	F,L,OVAL,FNUC,R=F	
H48-7	NGC 559	Cas	Open Cluster 9.0 I 1 m	CL,B,PL,PRI
Oct 06 2004	8"	7.5mmW	HISB,R=F	
Oct 21 2012	8"	11mmT6	B,S,V-SHAPE W/V-TOWARDSNE,SOME NEBULOSITY NOTED,R=G	
H49-1	NGC 6522	Sgr	Globular	GCL,B,PL,R,GVMBM,RRR
Jul 05 2016	12"	8mm Et	F,S,R=G, SAME FIELD AS NGC-6528	
Jul 15 2006	8"	19mmW	PB,S,R=F	
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	
H49-2	NGC 3599	Leo	Galaxy SA0:	B,PS,R,PGMBM
Apr 05 2005	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
H49-3	NGC 2648	Cnc	Galaxy Sa	F,S,VLE135,PSBM
Apr 05 2005	8"	11mmT6	VF,VS,EL,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

Herschel 2500 Observations

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	
H49-7	NGC 637	Cas	Open Cluster 8.0 I 2 m	CL,PS,B\$VF ST
Oct 06 2004	8"	7.5mmW	R=F, NOT MANY STARS	
Oct 21 2012	8"	11mmT6	B,S,Y-SHAPED STARS=10-12,SOME NEBULOSITY NOTED,R=G	
H50-1	NGC 6624	Sgr	Globular	GCL,VB,PL,R,RRR,ST16
Jul 05 2016	12"	8mm Et	F,PS,R=G,VERY NICE.	
Jul 16 2006	8"	19mmW	PF,PS,R=F	
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	
H50-2	NGC 3607	Leo	Galaxy SA(s)0^:	VB,L,R,VMBM,2ND OF 3
Apr 26 2006	8"	11mmT6	PB,L,R,BNUC,HISB,R=G	
Mar 10 2004	8"	25mmPL	N/M, NO COMPUTER	
May 12 2004	8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5	
H50-3	NGC 2661	Cnc	Galaxy Scd:	EF,CL,R,LBM
Mar 17 2010	12"	11mmT6	VF,VS,R,NND,AV,R=P	
H50-4	NGC 6229	Her	Globular	GCL,VB,L,R,DISC,R
Jun 17 2016	12"	8mm Ds	COULD NOT RESOLVE	
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	
May 30 2016	12"	8mm Ds	B,S,R=G. NICE SPOT.	
Oct 24 2012	8"	11mmT6	PF,PS,R=F, THIS WAS THE FAINTEST OF THE FOUR FOR THE NIGHT.	
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	
H51-1	NGC 6638	Sgr	Globular	GCL,B,S,R,RR
Jul 05 2016	12"	8mm Et	F,PS,R=F	
Jul 16 2006	8"	19mmW	CF,PS,R=F	
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	
H51-2	NGC 3608	Leo	Galaxy E2	B,PL,R,PSBM,3RD OF 3
Apr 26 2006	8"	11mmT6	B,CL,OVAL,NND,R=F	
Mar 10 2004	8"	25mmPL	N/M, NO COMPUTER	
H51-3	NGC 3020	Leo	Galaxy SB(r)cd:	EF,PS,LE0,R
Apr 29 2011	12"	5mm TV	CF,PS,OVAL,MEXT,R=F,PA=50	
H51-4	NGC 6818	Sgr	Planetary Neb 4	PLN,B,VS,R
Jul 09 2005	8"	11mmT6	VB,VS,R,R=G	
Sep 19 2014	12"	11mmT6	B,S,ROUND DOT, HOME - 8/14/14	
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	
H51-7	NGC 7062	Cyg	Open Cluster 10.1 II 2 m	CL,PS,PRI,PC,ST13...
Jul 23 2006	8"	19mmW	PB,PS,R=F	
H52-1	NGC 7006	Del	Globular	B,PL,R,GBM
Jul 23 2006	8"	7.5mmW	VF,CS,R,R=F	
Jun 26 2004	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON	
Oct 21 2006	31"	20mmUW	FB,L,STELLAR, RESOLVE OUTERMOST STARS.	
H52-2	NGC 3626	Leo	Galaxy S0-a	B,S,VLE,SBM
Apr 26 2006	8"	11mmT6	B,PS,OVAL,FNUC,MSB,R=F	
Mar 10 2004	8"	25mmPL	N/M, NO COMPUTER	

Herschel 2500 Observations

H52-2	NGC 3626	Leo	Galaxy S0-a	B,S,VLE,SBM
Mar 10 2004	8"	25mmPL	N/M, NO COMPUTER	
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	
Nov 13 2007	8"	11mmT6	PF,PS,R=F	
H53-1	NGC 7331	Peg	Galaxy SA(s)b	B,PL,PME163,SMBM
Aug 21 2015	12"	8mm Ds		
Jul 13 2013	18"	7mm TV	EYE CANDY. ALWAYS GREAT TO LOOK AT.	
Jul 16 2004	31"	20mmUW	9.5 PHOTO MAG. BRIGHTER YET.	
Jul 16 2004	8"	25mmPL	9.5 PHOTO MAG. BRIGHT	
Jul 23 2006	8"	11mmT6	PB,PL,EON,FNUC,R=G	
Oct 07 2010	12"	17mmAT	F,PS,EON,BNUC,HSB,R=G,PA=10	
Oct 21 2012	8"	11mmT6	SMALL SPINDLE, NOT ENOUGH APERATURE OR DARK ENOUGH SKIES.	
Sep 02 2016	12"	5.5mmN	PF,PS,EON,BNUC,R=E. SQM-19.96. 56 DEGREES AT 2125 HOURS	
Sep 10 2015	12"	7mm TV	F,PS,EON,FNUC,R=G	
Sep 13 2009	12"	32mmUW	3RD OBJECT	
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	
H53-3	NGC 3153	Leo	Galaxy Scd:	EF,PL,VLE,R,ST INV
Apr 15 2007	31"	17mmT4	PB,VL,OVAL,NND,R=G	
H53-4	NGC 1501	Cam	Planetary Neb 3	PLN,PB,PS,VLE,1'DIAM
Oct 06 2004	8"	11mmT6	MB,OVAL,HISB,R=G	
H53-7	NGC 7209	Lac	Open Cluster 9.0 III 1 m	CL,L,CRI,PC,ST9...12
Jul 21 2004	8"	25mmPL	SHORT NIGHT - CLOUDS ROLLED IN.	
Jul 21 2007	1.9"	12x50	PB,PL,R=G	
Jul 24 2006	8"	11mmT6	PB,PS,R=G	
Jun 26 2004	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON	
Nov 09 2006	8"	19mmW	LARGE AND LOOSE,R=F	
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	
H54-1	NGC 393	And	Galaxy S0-:	F,VS,VLE,GBM,4S*NR
Sep 09 2010	12"	5.5mmN	PF,PS,OVAL,FNUC,MSB,R=G,PA=75	
H54-2	NGC 3691	Leo	Galaxy SBb?	F,PS,LE,R
Apr 14 2016	12"	8mm Ds	VF,VS,OVAL,NND,AV,R=F	
H54-3	NGC 3299	Leo	Galaxy SAB(s)dm	EF,CL,R,VGBM,R
Apr 21 2007	31"	17mmT4	DIFF,CF,PL,OVAL,NND,AV,R=F	
H54-4	NGC 4143	CVn	Galaxy SAB(s)0^	CB,R,VG,VSMBN
Mar 29 2006	8"	19mmW	DIFF,F,L,OVAL,NND,R=F	
H54-7	NGC 2253	Cam	Open Cluster	VF,ST ES
Mar 28 2011	12"	5mm TV	NON-EXISTENT PER NGC/IC PROJECT.	
H55-1	NGC 7479	Peg	Galaxy SB(s)c	PB,CL,ME12,BET2ST
Sep 19 2004	8"	7.5mmW	VF,EL,NND,R=F	
Sep 24 2016	12"	8mm Et	F,S,R,UB,NND,R=F	

Herschel 2500 Observations

H55-1	NGC 7479	Peg	Galaxy SB(s)c	PB,CL,ME12,BET2ST
Sep 24 2016	12"	8mm Et	F,S,R,UB,NND,R=F	
H55-2	NGC 4394	Com	Galaxy (R)SB(r)b	PB,LE,BM
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Apr 26 2006	8"	11mmT6	PF,PS,R,NND,R=F	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
H55-3	NGC 3300	Leo	Galaxy SAB(r)0⁺:?	CF,CS,R,PMBM,R,AMBST
Apr 21 2007	31"	17mmT4	CB,PL,OVAL,FNUC,MSB,R=G	
H55-4	NGC 2537	Lyn	Galaxy SB(s)m pec	GCL,PB,PL,R,RRR,ST20
Dec 04 2004	8"	7.5mmW	MF,R,NND,AV,R=F	
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	
H56-1	NGC 2903	Leo	Galaxy SAB(rs)bc	CB,VL,E,GMBM,R,SPOF2
Apr 05 2004	8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**	
Apr 26 2006	8"	19mmW	PB,PL,EL,EON,BNUC,HISB,R=G	
Feb 17 2012	18"	11mmT6	OBSERVED WITH 18" ASTROSYSTEMS	
Mar 10 2004	8"	25mmPL	N/M, NO COMPUTER	
May 12 2004	8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5	
H56-2	NGC 4450	Com	Galaxy SA(s)ab	B,L,R,GVMBM*,R,B*SP
May 17 2005	31"	11mmT6	MF,MS,OVAL,NND,R=F	
H56-3	NGC 5416	Boo	Galaxy Scd:	EF,VS,E,R
Jul 05 2016	12"	8mm Et	VF,VS,R,UB,NND,R=F	
H56-4	NGC 4051	UMa	Galaxy SAB(rs)bc	B,VL,E,VGVSMBM*11
Mar 18 2007	8"	11mmT6	PF,L,R,NND,AV,R=F	
H56-7	NGC 7790	Cas	Open Cluster 10.0 II 2 m	CL,PRI,PC
Sep 15 2004	8"	11mmT6	LIGHT CLOUDS IN & OUT	
H56-8	NGC 6910	Cyg	Open Cluster 9.6 I 3 m n	CL,PB,PS,P,PC,*20.12
Jul 23 2006	8"	19mmW	CB,PS,R=F,BRIGHTER,TIGHTER	
Jun 26 2004	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON	
Oct 08 2006	1.9"	12x50	PF,PS,R=F	
H57-1	NGC 2905	Leo	Knot in Galaxy	VF,CL,R,PSBM,R,NFOF2
Apr 05 2004	8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
Mar 20 2007	8"	11mmT6	PB,L,OVAL,FNUC,USB,R=G	
Mar 29 2006	8"	11mmT6	PB,PL,EON,BNUC,R=G	
H57-2	NGC 2872	Leo	Galaxy E2	PF,PS,R,BM
Mar 08 2010	12"	7.5mmW	CF,CS,R,NND,R=F	
May 13 2007	8"	7.5mmW	VF,VS,R,NND,AV,R=F	
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	
H57-8	NGC 7024	Cyg	Non-Existent	CL,P,LC,ST10...
Jul 27 2009	16"	11mmT6	PF,PS,R=F, SMALL GROUP	
H58-4	NGC 40	Cep	Planetary Neb 3b+3	F,VS,R,VSMBM,*12SP
Nov 11 2009	12"	7.5mmW	B,PS,R=G, CENTRAL STAR VISIBLE	
Oct 05 2016	12"	11mmT6	B,VS,R=G. OIII HELPS. NOT SURE ABOUT CENTRAL STAR	
Oct 06 2004	8"	7.5mmW	MB,R,R=G	

Herschel 2500 Observations

H58-4	NGC 40	Cep	Planetary Neb 3b+3	F,VS,R,VSMBM,*12SP
Oct 06 2004	8"	7.5mmW	MB,R,R=G	
H58-7	NGC 2479	Pup	Open Cluster III 1 m	CL,PL,PRI,PC,ST S
Mar 13 2007	8"	19mmW	F,S,R=F,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	
H59-2	NGC 3070	Leo	Galaxy E	PB,PS,R,GMBMN,AM3ST
Mar 29 2006	8"	11mmT6	PF,PS,OVAL,NND,AV,R=F	
H59-7	NGC 6866	Cyg	Open Cluster 10.0 II 2 r	CL,L,VRI,CC
Jul 16 2004	8"	25mmPL	CLEAR - SEEING NOT TOO BAD	
Jul 23 2006	8"	19mmW	PB,PS,R=F,EXTENDED GROUP	
H59-8	NGC 1664	Aur	Open Cluster 10.0 III 1 p	CL,LRI,LC,PL
Dec 28 2006	1.9"	12x50	F,S,PATCHY,AV,UNRESOLVED,R=F	
Jan 26 2006	8"	19mmW	R=F,NOT TOO BAD	
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	
H60-3	NGC 2744	Cnc	Galaxy SB(s)ab: pec	VF,S,R,R,D* NR
Mar 17 2010	12"	11mmT6	VF,VS,R,NND,AV,R=F	
H60-4	NGC 3310	UMa	Galaxy SAB(r)bc pec	CB,PL,R,VG,VSMBMN
Mar 13 2007	8"	11mmT6	CB,PS,R,FNUC,R=G	
H60-7	NGC 1513	Per	Open Cluster 11.0 II 1 m	CL,L,VRI,PC,ST VL
Nov 21 2006	8"	11mmT6	F,L,COMPRESSED,R=F	
H60-8	NGC 2311	Mon	Open Cluster 12.0 III 2 m	CL,LC,NOT RI
Mar 29 2006	8"	19mmW	N.S.R=F	
H61-1	NGC 2974	Sex	Galaxy E4	B,CS,IR,BM,*9SP43"
Mar 13 2007	8"	11mmT6	PF,PS,OVAL,NND,R=F	
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	
H61-4	NGC 3992	UMa M109	Galaxy SB(rs)bc	CB,VL,PME,SBMBRN
Jul 15 2015	12"	17mmT4		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 09 2004	8"	25mmPL	COMPTER = ARGO NAVIS	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 19 2006	8"	19mmW	F,FS,OVAL,NND,R=F	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
H61-7	NGC 1528	Per	Open Cluster 10.0 II 2 m	CL,B,VRI,CC
Nov 21 2006	8"	11mmT6	PB,PL,LOOSE GROUP,R=G	
Nov 27 2006	1.9"	12x50	F,PS,COARSE GROUP,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

Herschel 2500 Observations

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	
H62-4	NGC 3982	UMa	Galaxy SAB(r)b:	B,PL,R,G,SBM,DISC
Mar 18 2007	8"	11mmT6	PF,L,OVAL,NND,=F	
H62-7	NGC 6756	Aql	Open Cluster 13.0 I 1 m	CL,S,RI,LC,*11...12
Jul 08 2004	8"	25mmPL	DIM - LOOKS LIKE P.N. IN 8	
H62-8	NGC 7708	Cep	Open Cluster 7.3 asterism?	CL,L,P,LC,*8,10...15
Oct 24 2012	8"	11mmT6	LARGE AND LOOSE,R=F	
H63-1	NGC 1052	Cet	Galaxy E4	B,PL,R,MBM*12
Nov 21 2006	8"	11mmT6	B,L,R,FNUC,R=G	
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	
H63-7	NGC 2627	Pyx	Open Cluster 11.0 II 2 r	CL,CL,PRI,PC,*11..13
Mar 13 2007	8"	11mmT6	PF,S,R=F	
H64-1	NGC 1084	Eri	Galaxy SA(s)c	VB,PL,E,GPMBM
Jan 26 2006	8"	11mmT6	MB,ML,OVAL,NND,R=F	
H64-2	NGC 4352	Vir	Galaxy SA0: sp	CF,CS,LE
Mar 30 2014	18"	7mm TV	PF,PS,OVAL,PEXT,FNUC,R=G	
H64-4	NGC 2440	Pup	Planetary Neb 5+3	PLN,CB,NOT VWELL DEF
Feb 17 2012	18"	7mm TV	OIII FILTER - VERY NICE PLANETARY	
Mar 13 2007	8"	7.5mmW	F,PS,R=F,IRREGULAR IN SHAPE	
H64-7	NGC 2567	Pup	Open Cluster 11.0 II 2 m	CL,PL,PRI,LC,IR,*11.
Mar 13 2007	8"	19mmW	PF,L,R=F	
H64-8	NGC 381	Cas	Open Cluster 10.0 III 1 m	CL,PC
Sep 15 2004	8"	11mmT6	LIGHT CLOUDS IN & OUT	
H65-1	NGC 4361	Crv	Planetary Neb 3a+2	VB,L,R,VSMBMN,R
May 04 2005	8"	11mmT6	VF,VS,R,AV,R=F	
H65-2	NGC 4429	Vir	Galaxy SA(r)0+	B,L,CE,PSBM,*10NF
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Apr 26 2006	8"	11mmT6	F,PS,EL,OVAL,UB,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	
H65-8	NGC 659	Cas	Open Cluster 10.0 I 2 m	CL,LRI,ST B
Oct 21 2012	8"	11mmT6	PF,PS,STARS=10-12,R=F	
Sep 15 2004	8"	11mmT6	SMALLEST OF THREE IN GROUP	
H66-1	NGC 2781	Hya	Galaxy SAB(r)0+	B,S,VLE,PSMBM
Mar 16 2010	12"	11mmT6	PB,PS,EON,BNUC,R=G	
H66-2	NGC 4503	Vir	Galaxy SB0-:	PB,S,R,GBM
May 14 2007	31"	17mmT4	PB,PL,EL,OVAL,BNUC,HISB,R=G	
H66-3	NGC 3303	Leo	Galaxy Pec	VF,VS,VLE,GLBM,R
Apr 21 2007	31"	17mmT4	PF,PL,OVAL,UB,NND,R=F	
H66-7	NGC 7142	Cep	Open Cluster 11.0 I 2 r	CL,CL,CRI,PC,*11..14
Nov 03 2004	8"	11mmT6		
H66-8	NGC 1027	Cas	Open Cluster 9.0 II 3 m n	CL,L,SC ST,ONE10M
Nov 03 2004	8"	11mmT6		

Herschel 2500 Observations

H66-8	NGC 1027	Cas	Open Cluster 9.0 II 3 m n	CL,L,SC ST,ONE10M
Nov 03 2004	8"	11mmT6		
Oct 06 2004	8"	7.5mmW	R=F, SCATTERED STARS	
H67-1	NGC 3962	Crt	Galaxy E1	CB,PL,IR,GMBM,TRI2*
Apr 26 2006	8"	19mmW	PF,PS,OVAL,NND,R=F	
H67-2	NGC 4528	Vir	Galaxy S0^:	PF,CS,R,BM,*9F30S
May 14 2007	31"	17mmT4	PF,PS,OVAL,BNUC,HISB,R=G	
H67-7	NGC 2421	Pup	Open Cluster 11.0 I 2 r	CL,L,CRI,*11...13
Mar 13 2007	8"	19mmW	F,PL,R=F,DIM PATCH	
H67-8	NGC 7160	Cep	Open Cluster 7.0 I 3 p	CL,P,VLC
Aug 23 2004	8"	11mmT6	DAMP - SEEING NOT TOO BAD.	
Jul 21 2007	1.9"	12x50	PF,PS,AV,R=F	
Jul 24 2006	8"	11mmT6	PB,S,R=F	
Nov 09 2006	8"	19mmW	VS, COMPRESSED,R=F	
H68-1	NGC 4856	Vir	Galaxy SB(s)0/a	B,R,PSMBM,*13NP
Apr 16 2004	8"	25mmPL	CLEAR - PALM PILOT DIRECTED	
Apr 28 2006	31"	19mmW	CB,CL,EL,EON,BNUC,MSB,R=G	
H68-4	NGC 2950	UMa	Galaxy (R)SB(r)0^A	B,PS,R,VGVMBMN
Mar 04 2006	8"	11mmT6	PB,PS,R,FNUC,,R=G	
H68-8	NGC 2126	Aur	Open Cluster 13.0 III 2 m	CL,NOT RI,*7M NORTH
Jan 26 2006	8"	19mmW	R=F, SMALL, LOOSE , GROUP	
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^A	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	
H69-8	NGC 7686	And	Open Cluster 7.0 III 2 p	CL,P,LC,*7...11
Oct 06 2004	8"	11mmT6	EB,OVAL,HISB,R=G	
H70-1	NGC 5634	Vir	Globular	GCL,VB,CL,R,GBM,RRR
Apr 14 2016	12"	11mmT6	SURPRISE IN VIRGO.	
Apr 28 2006	31"	19mmW	PB,CL,R,R=G, CAN'T RESOLVE STARTS. VIII	
Jun 23 2004	8"	25mmPL	QUARTER MOON, LEFT @1:30AM.	
May 30 2016	12"	8mm Et	F,S,R=F	
H70-2	NGC 4638	Vir	Galaxy S0- sp	F,R,GBM
Apr 08 2005	8"	11mmT6	MB,MS,OVAL,NND,R=G	
H70-4	NGC 5144	UMi	Galaxy SAc? pec	(PLN),CB,S,R,G,SLBM
Sep 02 2016	12"	8mm Et	VF,VS,OCAL,UB,NND,R=F	
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	
H71-2	NGC 4660	Vir	Galaxy E:	VB,S,VSVMBMN
Apr 13 2005	8"	11mmT6	MF,VS,OVAL,NND,R=G	
H71-8	NGC 2281	Aur	Open Cluster 8.0 I 3 m	CL,PRI,VLC,ST PL
Apr 05 2004	8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**	

Herschel 2500 Observations

H71-8	NGC 2281	Aur	Open Cluster 8.0 I 3 m	CL,PRI,VLC,ST PL
Apr 05 2004	8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**	
Nov 09 2006	8"	19mmW	F,PS,R=F	
Nov 26 2006	1.9"	12x50	B,S,RESOLVE 4-5+,R=G	
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	
H72-8	NGC 6633	Oph	Open Cluster 8.0 III 2 m	CL,LC,ST L
Jul 02 2017	12"	17mmT4	LOOSE CLUMP	
Jul 15 2006	8"	32mmUWVB,VL	LOOSE CLUSTER	
Jun 23 2004	8"	25mmPL	QUARTER MOON, LEFT @1:30AM.	
Oct 08 2006	1.9"	12x50	N.F.:R=G, DENSER GROUP	
H73-1	NGC 4150	Com	Galaxy SA(r)0^?	B,S,R,PGMBM
Mar 29 2006	8"	11mmT6	B,L,R,FNUC,R=F	
H73-4	NGC 6826	Cyg	Planetary Neb 3a+2	PLN,B,PL,R,*11M
Aug 13 2010	31"	17mmT4	B,S,R=F, CENTRAL STAR OBSERVED AND NOTED	
Jul 19 2017	12"	11mmT6	F,PS,R=G. SQM=20.01. 71 DEGREES OUT.	
Nov 13 2007	8"	11mmT6	PB,PS,R,R=G, NO CENTRAL STAR	
Oct 13 2006	8"	19mmW	VF,PS,R=F	
Sep 04 2004	8"	11mmT6	FAINT	
H74-1	NGC 4245	Com	Galaxy SB(r)0/a:	CB,PL,VLE,SMBM,R
May 17 2005	31"	11mmT6	MF,VS,R,NND,R=F	
H74-4	NGC 7023	Cep	Nebula R	*7IN EF,EL,NEBY
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	
H75-1	NGC 4274	Com	Galaxy (R)SB(r)ab	VB,VL,E90,MBMN
May 17 2005	31"	11mmT6	PF,PS,OVAL,NND,R=F	
H75-2	NGC 4762	Vir	Galaxy SB(r)0^? sp	PB,VME31,3B*S,F OF 2
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Apr 28 2006	31"	19mmW	CB,VL,EON,BNUC,VHISB,R=G	
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	
H75-8	NGC 7243	Lac	Open Cluster 8.0 II 2 m	CL,L,P,LC,ST VL
Jul 21 2004	8"	25mmPL	SHORT NIGHT - CLOUDS ROLLED IN.	
Jul 21 2007	1.9"	12x50	PB,PL,R=G	
Jul 24 2006	8"	11mmT6	PB,PL,R=G	
Nov 09 2006	8"	19mmW	TIGHTER,HINT OF NEB.,R=F	
H76-1	NGC 4314	Com	Galaxy SB(rs)a	CB,L,E150,SBM,*NP
May 17 2005	31"	11mmT6	PB,PS,OVAL,FNUC,MSB,R=G	
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	
H76-4	NGC 6946	Cep	Galaxy SAB(rs)cd	VF,VL,VG,VSBM,RR
Aug 31 2010	12"	7mm TV	DIFF,PF,S,OVAL,MEXT,UB,NND,R=G. PA=180	
Nov 03 2004	8"	11mmT6	MB,OVAL,NND,MSB,R=G	

Herschel 2500 Observations

H76-4	NGC 6946	Cep	Galaxy SAB(rs)cd	VF,VL,VG,VSMB,RR
Nov 03 2004	8"	11mmT6	MB,OVAL,NND,MSB,R=G	
Oct 10 2004	8"	11mmT6	MF,OVAL,PATCH,NND,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?	
H77-1	NGC 4414	Com	Galaxy SA(rs)c?	VB,L,E,G,VSMBM*
May 17 2005	31"	11mmT6	PB,PL,OVAL,FNUC,MSB,R=G	
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	
H77-3	NGC 4037	Com	Galaxy SB(rs)b:	EF,PL,R,R
Mar 08 2010	12"	11mmT6	VF,PS,OVAL,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	
H77-8	NGC 7380	Cep	Open Cluster 10.0 III 2 m n	CL,PL,PRI,LC,*9...13
Aug 21 2004	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
Jul 24 2006	8"	11mmT6	PB,CS,R=F	
H78-1	NGC 2985	UMa	Galaxy (R')SA(rs)ab	VB,CL,R,PSMBM,*INV F
Mar 04 2006	8"	11mmT6	PB,FS,OVAL,FNUC,R=G	
H78-2	NGC 3367	Leo	Galaxy SB(rs)c	PB,CL,IR,VGLBM,R,1-3
Apr 26 2009	16"	17mmT4	PF,CS,R,UB,NND,R=F	
Mar 19 2004	8"	25mmPL	*12.0 MAG. 2004 MESSIER MAR.*	
May 15 2017	12"	7mm TV	VF,PS,R,UB,NND,R=G	
H78-4	NGC 4750	Dra	Galaxy (R)SA(rs)ab	PB,L,R,VG,VSMB
Feb 23 2006	31"	17mmT4	VB,VL,R,BNUC,HISB,R=G	
H78-8	NGC 225	Cas	Open Cluster 9.3 III 1 p n	CL,L,LC,*9...10
Dec 05 2015	12"	17mmT4		
Oct 21 2012	8"	11mmT6	PF,PS,STARS=22-30,R=G	
Sep 15 2004	8"	11mmT6	LIGHT CLOUDS IN & OUT	
Sep 24 2016	12"	11mmT6	B,L,R=F. SAILBOAT CLUSTER	
H79-1	NGC 3147	Dra	Galaxy SA(rs)bc	VB,L,R,VGVSVMBM
Jul 23 2006	8"	11mmT6	PF,PS,OVAL,NND,R=F	
Jul 25 2017	12"	11mmT6	PF,PS,OVAL,MEXT,NND,R=F	
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	
Sep 02 2016	12"	8mm Et	PF,PS,R,FNUC,R=F, 2 STARS TO SOUTHEAST.	
H79-3	NGC 3559	Leo	Galaxy S pec	EF,PS,LE,R
Apr 19 2007	31"	17mmT4	B,PL,OVAL,UB,NND,R=F	
H79-4	NGC 3034	UMa M82	Galaxy I0 sp	VB,VL,VME(RAY)
Apr 05 2004	8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**	
Apr 14 2004	31"	17mmT4	CLEAR NIGHT - MEGASTAR CONTROL	
Apr 14 2016	12"	8mm Ds	F,S,PEXT,NND,R=G,BRIGHT KNOT ON ONE END.	
Aug 20 2006	1.9"	12x50	PB,L,OVAL,FNUC,R=G	
Dec 30 2003	8"	25mmPL	H/M COLD	
Feb 28 2004	8"	25mmPL	COMPTER = ARGONAVIS	
Jul 01 2016	12"	8mm Et	EYE CANDY	
Jul 25 2017	12"	11mmT6	NOT BAD	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	

Herschel 2500 Observations

H79-4	NGC 3034	UMa M82	Galaxy I0 sp	VB,VL,VME(RAY)
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2007	1.9"	12x50	FB,FS,OVAL,NND,R=F	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 19 2006	8"	19mmW	PB,PL,EON,FNUC,R=G	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 30 2014	28"	17mmAT	SUPER NOVA IN M-82. NEAT TO SEE. M-82 LOOKED GREAT WITH THE DUST LANES	
May 04 2005	8"	19mmW	VB,ML,EL,EON,BNUC,VHISB,R=E!	
May 14 2017	12"	11mmT6	EXCELLENT	
Sep 19 2014	12"	17mmAT	5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14	
H79-8	NGC 129	Cas	Open Cluster 11.0 III 2 m	CL,VL,PR,LC,*9...13
Nov 09 2006	8"	19mmW	20+, LOOSE, SOME NEB. R=F	
Nov 26 2006	1.9"	12x50	F,L,DIM,RESOVLE 2-3 STARS,R=F	
Oct 06 2004	8"	7.5mmW	OVAL,R=G	
Oct 21 2012	8"	11mmT6	B,L,R=G	
H80-8	NGC 1444	Per	Open Cluster 6.8 IV 1 p	CL OF AB30*12...14
Nov 21 2006	8"	11mmT6	F,PS,COMPRESSED,R=F	
H81-1	NGC 3344	LMi	Galaxy (R)SAB(r)bc	CB,L,GBM,*INV,2ST F
Mar 13 2007	8"	11mmT6	PF,CL,OVAL,FNUC,R=F	
Mar 23 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
May 15 2017	12"	7mm TV	F,PS,OVAL,UB,NND,R=G. 3 STARS SUPERIMPOSED ON GALAXY.	
H81-2	NGC 3370	Leo	Galaxy SA(s)c	CB,PL,VLE,GBM,R
May 13 2007	8"	11mmT6	PF,PS,OVAL,NND,AV,R=F	
H81-3	NGC 3773	Leo	Galaxy S0	CF,CS,R,PSBM
Apr 18 2012	18"	8.8 ES	PF,PS,OVAL,UB,NND,R=F	
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	
H82-1	NGC 3900	Leo	Galaxy SA(r)0+	B,PL,VLE0,BMN
Mar 29 2006	8"	11mmT6	F,L,OVAL,NND,R=F	
H82-2	NGC 3455	Leo	Galaxy (R')SAB(rs)b	PF,S,E,GBM,R,SF OF 2
May 25 2014	18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F	
H83-1	NGC 4494	Com	Galaxy E1-2	VB,PL,R,VSMBMN
Apr 16 2004	8"	25mmPL	CLEAR - MEGASTAR CONTROL	
Apr 26 2006	8"	11mmT6	FB,FL,OVAL,FNUC,R=F	
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	
H85-3	NGC 5222	Vir	Galaxy E	CF,S,R,BM,2ND OF 3
May 23 2012	18"	8.8 ES	VF,CS,OVAL,MEXT,UB,,NND,AV2,R=F,PA=50	

Herschel 2500 Observations

H85-3	NGC 5222	Vir	Galaxy E	CF,S,R,BM,2ND OF 3
May 23 2012	18"	8.8 ES	VF,CS,OVAL,MEXT,UB,,NND,AV2,R=F,PA=50	
H85-8	NGC 1545	Per	Open Cluster 9.0 IV 2 p	CL,PRI,LC,ST L
Nov 21 2006	8"	11mmT6	B,L,VERY LOOSE,R=F	
H86-1	NGC 3245	LMi	Galaxy SA(r)0⁺?	VB,PL,E0, SMBMEN
Mar 13 2007	8"	11mmT6	PF,PS,OVAL,NND,R=F	
Mar 23 2004	8"	25mmPL	COMPUTER = ARGONAVIS	
May 25 2014	18"	8mm Ds	PF,PS,OVAL,MEXT,BNUC,R=G	
H86-2	NGC 4350	Com	Galaxy SA0 sp	CB,VS,ME,VSBM
Mar 30 2014	18"	7mm TV	VF,PS,OVAL,UB,NND,AV,R=P	
May 17 2005	31"	11mmT6	MB,PS,EL,OVAL,FNUC,MSB,R=G	
H86-3	NGC 5221	Vir	Galaxy Sb:	VF,S,VLE,1ST OF 3
May 23 2012	18"	8.8 ES	PF,PS,EON,FNUC,MSB,R=F,PA=120	
H86-8	NGC 6874	Cyg	Non-Existent	CL,P,LC
Jul 27 2009	16"	11mmT6	PB,PS,, LOOSE GROUP, R=F	
Jun 26 2004	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON	
H87-1	NGC 3486	LMi	Galaxy SAB(r)c	CB,CL,R,GMBM
Mar 13 2007	8"	11mmT6	VF,CL,R,NND,AV,R=F	
Mar 23 2004	8"	25mmPL	COMPUTER = ARGONAVIS	
May 15 2017	12"	7mm TV	PF,PS,OVAL,MEXT,UB,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	
H87-3	NGC 5230	Vir	Galaxy SA(s)c	F,L,E,VGBM,3RD OF 3
May 23 2012	18"	8.8 ES	PF,PS,R,UB,NND,R=F	
H88-1	NGC 3504	LMi	Galaxy (R)SAB(s)ab	B,L,E,MBMN,RR,P OF 2
Mar 29 2006	8"	11mmT6	F,S,R,UB,R=F	
H88-8	NGC 1342	Per	Open Cluster 8.0 III 2 m	CL,VL,AB60*
Nov 21 2006	8"	11mmT6	B,L,LOOSE,30+STARS,R=G	
Oct 29 2006	8"	19mmW	B,COARSE CL, R,R=F	
H89-1	NGC 4251	Com	Galaxy SB0? sp	VB,S,E,VSVMBMN,*F90S
May 17 2005	31"	11mmT6	MB,ML,EL,EON,FNUC,MSB,R=G	
H89-2	NGC 4421	Com	Galaxy SB(s)0/a	PB,PL,PGBM,B*NP
May 17 2005	31"	11mmT6	PF,PS,OVAL,NND,AV,R=F	
H89-3	NGC 3567	Leo	Galaxy S0 pec	EF,R,SBM,R
Mar 08 2013	18"	8.8 ES	VF,PS,OVAL,UB,NND,R=F	
H90-1	NGC 4278	Com	Galaxy E1-2	VB,PL,R,MBM,R,1STOF3
Apr 16 2009	16"	17mmT4	PB,PS,R,FNUC,HSB,R=G	
May 17 2005	31"	11mmT6	PB,PL,R,BNUC,R=G	
H91-1	NGC 4448	Com	Galaxy SB(r)ab	B,L,E90,SBM
May 17 2005	31"	19mmW	VF,PS,EL,NND,R=G	
H92-1	NGC 4559	Com	Galaxy SAB(rs)cd	VB,VL,ME150,GBM,3*F
Apr 13 2005	8"	7.5mmW	MB,ML,EL,FNUC,R=G	
H94-1	NGC 3813	UMa	Galaxy SA(rs)b:	CB,PL,PME90,BM
Mar 17 2007	8"	11mmT6	CF,CS,OVAL,NND,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	
H95-1	NGC 4214	CVn	Galaxy IBm	CB,CL,IE,BIN

Herschel 2500 Observations

H95-1	NGC 4214	CVn	Galaxy IBm	CB,CL,IE,BIN
Mar 29 2006	8"	11mmT6	F,PS,R,NND,R=F	
H95-3	NGC 4341	Vir	Galaxy SAB(s)0⁺ sp	EF,VS,R
Mar 30 2014	18"	7mm TV	PF,PS,EON,UB,NND,R=F	
H96-1	NGC 5005	CVn	Galaxy SAB(rs)bc	VB,VL,VME66,VSBMN
Apr 06 2010	12"	11mmT6	PB,PS,EON,BNUC,R=G	
Apr 16 2004	8"	25mmPL	CLEAR - MEGASTAR CONTROL	
Apr 26 2006	8"	11mmT6	PB,PL,EON,BNUC,R=G	
H96-2	NGC 5962	Ser	Galaxy SA(r)c	PF,PL,ILE,GBM
Sep 05 2007	8"	11mmT6	PF,PS,OVAL,NND,AV,R=F	
H96-3	NGC 4342	Vir	Galaxy S0- sp	EF,VS,R
Mar 30 2014	18"	7mm TV	PF,PS,OVAL,BNUC,R=F	
H97-1	NGC 5033	CVn	Galaxy SA(s)c	VB,PL,E167,SMBMVBN
Apr 06 2010	12"	11mmT6	PF,PS,EXT,OVAL,UB,NND,R=F	
Apr 16 2004	8"	25mmPL	CLEAR - MEGASTAR CONTROL	
Apr 26 2006	8"	11mmT6	B,L,EON,ND,R=F	
H97-2	NGC 5996	Ser	Galaxy S?	PF,CS,R,R,BET 2D*
May 30 2011	12"	7mm TV	PF,PS,OVAL,UB,NND,R=P	
H98-1	NGC 5273	CVn	Galaxy SA(s)0⁺	CB,PL,R,G,PSMBM
Mar 29 2006	8"	11mmT6	PF,PS,R,NND,AV,R=F	
H98-2	NGC 3041	Leo	Galaxy SAB(rs)c	GCL,F,L,R,VGLBM,RR
Apr 05 2005	8"	11mmT6	MF,MS,OVAL,NND,AV,R=F	
H99-1	NGC 5557	Boo	Galaxy E1	CB,S,R,VSBM*
Mar 29 2006	8"	11mmT6	F,S,R,FNUC,R=F	
H99-2	NGC 3377	Leo	Galaxy E5-6	VB,CL,LE,SVMBMBN
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Apr 26 2006	8"	11mmT6	VF,PS,OVAL,NND,AV,R=F	
Apr 26 2009	16"	17mmT4	PF,PS,OVAL,FNUC,R=F	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
May 15 2017	12"	7mm TV	PF,PS,OVAL,FNUC,R=G	
H100-1	NGC 584	Cet	Galaxy E4	VB,PL,R,MBM,P OF 2
Nov 21 2006	8"	11mmT6	B,PS,OVAL,FNUC,R=G	
H100-2	NGC 3485	Leo	Galaxy SB(r)b:	F,L,R,GLBM,R
Apr 19 2007	31"	17mmT4	B,L,OVAL,UB,FNUC,R=G	
H101-1	NGC 779	Cet	Galaxy SAB(r)b	CB,L,ME162,MBM
Nov 21 2006	8"	11mmT6	F,L,EON,NND,R=F	
H101-2	NGC 3489	Leo	Galaxy SAB(rs)0⁺	VB,PL,LE80,SMBMN
Apr 26 2006	8"	11mmT6	FB,FS,OVAL,UB,FNUC,R=G	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
H102-1	NGC 1022	Cet	Galaxy (R')SB(s)a	CB,PL,R,MBM,*11NF 2'
Nov 21 2006	8"	11mmT6	PF,L,OVAL,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	
H102-3	NGC 3833	Vir	Galaxy Sc	EF,PS
May 18 2007	31"	17mmT4	DIFF,PF,PL,OVAL,NND,R=F	
H103-1	NGC 6934	Del	Globular	GCL,B,L,R,RRR,*16...
Aug 20 2006	1.9"	12x50	B,L,R=G	

Herschel 2500 Observations

H103-1	NGC 6934	Del	Globular	GCL,B,L,R,RRR,*16...
Aug 20 2006	1.9"	12x50	B,L,R=G	
Aug 31 2008	31"	17mmT4	PB,PS,R=G	
Jul 23 2006	8"	7.5mmW	PB,CS,R,R=G	
Jun 26 2004	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON	
Oct 08 2006	1.9"	12x50	F,S,R=F, SMALL SMUDGE.	
Oct 25 2009	12"	11mmT6	PB,PS,R=G. RESOLVE OUTER STARTS ONLY	
H104-1	NGC 7606	Aqr	Galaxy SA(s)b	PF,CL,PME0
Oct 06 2004	8"	11mmT6	MB,EL,EON,NND,R=G	
H104-2	NGC 3872	Leo	Galaxy E5	B,S,R,SMBM*
Apr 18 2012	18"	8.8 ES	PF,PS,OVAL,FNUC,R=F	
May 07 2007	31"	17mmT4	CB,PL,R,BNUC,HISB,R=G	
H105-1	NGC 720	Cet	Galaxy E5	CB,PL,LE,PSMBM
Nov 21 2006	8"	11mmT6	B,PS,OVAL,NND,R=F	
H105-2	NGC 4168	Vir	Galaxy E2	PB,PL,IF,PSBM,R,*INV
Apr 04 2005	8"	11mmT6	MB,OVAL,PATCH,NND,R=G	
H105-3	NGC 4598	Vir	Galaxy SB0	EF,L,R,VLBM
May 18 2014	18"	8mm Ds	VF,PS,OVAL,UB,NND,R=F	
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	
H107-1	NGC 1407	Eri	Galaxy E0	VB,L,R,SVMBMN
Nov 08 2010	12"	11mmT6	PF,PS,R,BNUC,R=G	
Nov 21 2006	8"	11mmT6	PF,L,R,NND,R=G	
H107-3	NGC 3356	Leo	Galaxy Sbc	VF,PS,R,BM,*9S150"
Apr 21 2007	31"	17mmT4	PB,PL,EL,OVAL,FNUC,MSB,R=G	
H108-1	NGC 467	Psc	Galaxy SA(s)0^ pec?	PB,PL,R,GBM
Oct 09 2007	8"	11mmT6	PF,VS,R,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	
H108-3	NGC 3425	Leo	Non-Existent	EF,ES,R
Apr 07 2008	31"	17mmT4	PF,PS,R,UB,NND,R=F	
H109-2	NGC 4222	Com	Galaxy Sd: sp	VF,PS,R
Mar 16 2012	18"	8.8 ES	PF,CS,EON,UB,NND,R=F, A.L. FLAT GALAXY	
H109-3	NGC 3790	Leo	Galaxy S0/a	CF,VS,PME,SBM,1STOF3
May 14 2010	31"	17mmT4	PB,CS,OVAL,UB,FNUC,R=G	
H110-1	NGC 7723	Aqr	Galaxy SB(r)b	CB,CL,E,GMBM,R
Oct 06 2004	8"	11mmT6	MB,OVAL,NND,R=G	
H110-2	NGC 4262	Com	Galaxy SB(s)0-?	B,S,R,R
Mar 13 2004	8"	25mmPL	COMPUTER = ARGONAVIS	
H110-3	NGC 5587	Boo	Galaxy S0/a	F,CS,VLE,*8SF
Apr 29 2011	12"	7mm TV	PF,PS,OVAL,VEXT,UB,NND,R=F	
H111-1	NGC 7727	Aqr	Galaxy SAB(s)a pec	PB,PL,IR,MBM
Oct 06 2004	8"	11mmT6	MB,OVAL,FNUC,R=G	
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	
H111-3	NGC 3535	Leo	Galaxy SA(s)a pec:	CF,VS,R,BM,R
Apr 19 2007	31"	17mmT4	PB,CS,OVAL,BNUC,R=G	

Herschel 2500 Observations

H111-3	NGC 3535	Leo	Galaxy SA(s)a pec:	CF,VS,R,BM,R
Apr 19 2007	31"	17mmT4	PB,CS,OVAL,BNUC,R=G	
H112-1	NGC 772	Ari	Galaxy SA(s)b	B,CL,R,GBM,R
Dec 04 2004	8"	11mmT6	MB,EL,OVAL,NND,MSB,R=G	
Nov 03 2004	8"	11mmT6	MF,EL,OVAL,NND,R=F	
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	
H112-3	NGC 3679	Leo	Galaxy Sbc	EF,CL,R,R,VNR VB*
Mar 30 2014	18"	7mm TV	VF,VS,OVAL,NND,AV1,R=P	
H113-2	NGC 4419	Com	Galaxy SB(s)a sp	B,PME135,SBM
May 17 2005	31"	11mmT6	MB,ML,EL,EON,FNUC,MSB,R=G	
H114-1	NGC 2964	Leo	Galaxy SAB(r)bc:	B,VL,LE,VGBM,SP OF 3
Feb 10 2005	8"	11mmT6	MB,ML,EL,OVAL,PATCHY,NND,MSB,R=G	
H114-2	NGC 4473	Com	Galaxy E5	PB
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Apr 26 2006	8"	11mmT6	PB,CS,OVAL,FNUC,R=G	
May 14 2017	12"	11mmT6	PF,PS,OVAL,MEXT,FNUC,R=G	
H115-1	NGC 3021	LMi	Galaxy SA(rs)bc:	PB,PS,VLE,MBM,*10SP
Mar 20 2007	8"	11mmT6	PF,PS,OVAL,NND,AV,R=F	
H115-2	NGC 4477	Com	Galaxy SB(s)0:?	PB,CL
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Apr 26 2006	8"	11mmT6	PB,CS,R,FNUC,R=G	
May 14 2017	12"	11mmT6	PF,PS,R,FNUC,R=G	
H115-3	NGC 5146	Vir	Galaxy E/S0	VF,VS,STELLAR
Apr 06 2010	12"	11mmT6	CF,CS,R,UB,NND,R=F	
H116-1	NGC 3395	LMi	Galaxy SAB(rs)cd pec:	CB,PS,ILE,1ST OF 2
Mar 04 2006	8"	11mmT6	VF,VS,R,NND,R=F	
Mar 29 2006	8"	11mmT6	PF,PS,EL,OVAL,NND,R=F	
May 15 2017	12"	7mm TV	VF,PS,OVAL,MEXT,UB,NND,R=G. PAIRED W/NGC3396	
H116-3	NGC 5885	Lib	Galaxy SAB(r)c	F,CL,R,VGBM
Jul 06 2010	12"	7.5mmW	PF,CS,R,UB,NND,R=F	
H117-1	NGC 3396	LMi	Galaxy IBm pec	PB,PS,ILE,2ND OF 2
Mar 04 2006	8"	11mmT6	VF,PS,OVAL,NND,R=F	
Mar 29 2006	8"	11mmT6	PF,VS,R,NND,R=F	
May 15 2017	12"	7mm TV	VF,PS,OVAL,MEXTG,UB,NND,R=F. PAIRED W/NGC3395	
H117-2	NGC 4474	Com	Galaxy S0 pec:	PF,R,R
Apr 26 2006	8"	11mmT6	VF,VS,OVAL,NND,R=F	
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	
H120-2	NGC 4548	Com M91	Galaxy SB(rs)b	B,L,LE,LBM
Apr 26 2006	8"	11mmT6	B,L,EON,NND,R=F	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	

Herschel 2500 Observations

H120-2	NGC 4548	Com M91	Galaxy SB(rs)b	B,L,LE,LBM
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 26 2006	8"	19mmW	B,L,EON,NND,R=F	
May 06 2007	1.9"	12x50	VF,S,OVAL,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	
H121-1	NGC 4030	Vir	Galaxy SA(s)bc	CB,L,VLE,PSMBM,BSTNR
Apr 04 2005	8"	11mmT6	MB,OVAL,FNUC,MSB,R=G	
H121-2	NGC 4458	Vir	Galaxy E0-1	PB,S,R,BM,P OF 2
Apr 09 2010	12"	11mmT6	PB,PS,R,NND,R=G	
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	
H122-2	NGC 4461	Vir	Galaxy SB(s)0+:	PF,S,R,BM,F OF 2
Apr 09 2010	12"	11mmT6	PB,PS,OVAL,PEXT,BNUC,HSB,R=G	
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	
H123-1	NGC 4378	Vir	Galaxy (R)SA(s)a	B,S,*8,9SF3'
Apr 09 2010	12"	11mmT6	PF,PS,R,FNUC,R=F	
H123-2	NGC 4476	Vir	Galaxy SA(r)0-:	F,S,R,BM,1ST OF 3
May 25 2014	18"	8mm Ds	PF,VS,OVAL,FNUC,R=G	
H124-1	NGC 4580	Vir	Galaxy SAB(rs)a pec	PB,L,VGBM
Apr 08 2005	8"	11mmT6	MB,ML,R,NND,R=G	
H124-2	NGC 4478	Vir	Galaxy E2	PB,S,R,PSBM,2ND OF 3
Apr 05 2005	8"	7.5mmW	MB,MS,R,FNUC,MSB,R=G	
H124-3	NGC 6278	Her	Galaxy S0	VF,STELLAR
May 21 2009	16"	11mmT6	PF,PS,EL,OVAL,FNUC,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	
H126-1	NGC 5746	Vir	Galaxy SAB(rs)b? sp	B,L,VME170,BMBN
May 04 2005	8"	11mmT6	VB,VL,EL,EON,FNUC,R=G	
H126-2	NGC 4654	Vir	Galaxy SAB(rs)cd	F,VL,PME,(D),3*NR
Apr 08 2005	8"	11mmT6	VF,ML,NND,R=F	
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
H127-1	NGC 5813	Vir	Galaxy E1-2	B,PS,R,PSMBM
Apr 09 2008	8"	11mmT6	PF,PS,OVAL,FNUC,MSB,R=G	
H128-1	NGC 5846	Vir	Galaxy E0-1	VB,PL,R,PSBMN,F*INVS
Apr 28 2006	31"	19mmW	CB,CL,R,FNUC,R=G	
Jun 23 2004	8"	25mmPL	QUARTER MOON, LEFT @1:30AM.	
May 19 2010	12"	7.5mmW	PF,PS,R,FNUC,R=G	
H128-2	NGC 4689	Com	Galaxy SA(rs)bc	PB,VL,E,VGLBM,R

Herschel 2500 Observations

H128-2	NGC 4689	Com	Galaxy SA(rs)bc	PB,VL,E,VGLBM,R
May 04 2005	8"	11mmT6	MF,ML,R,NND,R=F	
H129-1	NGC 4699	Vir	Galaxy SAB(rs)b	VB,R,VMBMRN,R
Apr 16 2004	8"	25mmPL	CLEAR - PALM PILOT DIRECTED	
Apr 28 2006	31"	19mmW	CB,CL,OVAL,BNUC,HISB,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	
H130-1	NGC 4958	Vir	Galaxy SB(r)0? sp	VB,PS,E,BMBN
Apr 28 2006	31"	19mmW	CB,P,EON,BNUC,HISB,R=G	
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
H130-2	NGC 5936	Ser	Galaxy SB(rs)b	F,PL,IR,VGBM,R
Sep 05 2007	8"	11mmT6	PF,VS,R,NND,AV,R=F	
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	
H132-2	NGC 3976	Vir	Galaxy SAB(s)b	B,PL,CE30,VSMBMN
Apr 04 2005	8"	11mmT6	MF,EL,EON,NND,R=F	
H132-3	NGC 5635	Boo	Galaxy S pec	F,S,E,SBM
Jul 05 2016	12"	7mm TV	VF,PS,OVAL,MEXT,UB,NND,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	
H134-1	NGC 4781	Vir	Galaxy SB(rs)d	CB,VL,ME
Apr 13 2005	8"	11mmT6	MF,ML,EL,NND,R=F	
H134-2	NGC 4197	Vir	Galaxy Sd	PF,PME,VGBM
May 30 2014	18"	8mm Ds	PF,PS,EON,UB,NND,R=F,PA=30	
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	
H135-2	NGC 4215	Vir	Galaxy SA(r)0+: sp	B,PS,E,SBM*11
Mar 08 2010	12"	11mmT6	CF,CS,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	
H137-1	NGC 2859	LMi	Galaxy (R)SB(r)0+	VB,PL,R,SMBM
Mar 13 2007	8"	11mmT6	PF,S,R,NND,R=F	
H137-3	NGC 6372	Her	Galaxy Sb? pec	VF,PS,IF,SF OF 2
May 21 2009	16"	11mmT6	CF,PS,OVAL,NND,R=F	
H138-1	NGC 5061	Hya	Galaxy E0	VB,S,R,VSMBM,*10F
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	
Apr 14 2016	12"	11mmT6	DIFF,PS,,S,R,UB,NND,R=F	
H138-3	NGC 5898	Lib	Galaxy E0	F,S,R,GBM
Jul 06 2010	12"	7.5mmW	F,CS,OVAL,UB,NND,AV,R=F	
H139-1	NGC 4303	Vir M61	Galaxy SAB(rs)bc	VB,VL,VSBM*,BIN
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGONAVIS	
Mar 16 2012	18"	17mmAT	2012 M.M.	

Herschel 2500 Observations

H139-1	NGC 4303	Vir M61	Galaxy SAB(rs)bc	VB,VL,VSBM*,BIN
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 26 2006	8"	19mmW	DIFF,F,L,OVAL,NND,R=F	
May 06 2007	1.9"	12x50	PB,PS,OVAL,NND,R=G	
H139-2	NGC 4261	Vir	Galaxy E2-3	PB,PS,R,GBM
Apr 14 2016	12"	11mmT6	PF,PS,R,FNUC,R=F	
Apr 26 2006	8"	11mmT6	B,L,OVAL,FNUC,MSB,R=G	
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
H139-3	NGC 5903	Lib	Galaxy E2	CF,S,R,GPMBM
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	
H140-1	NGC 4713	Vir	Galaxy SAB(rs)d	PB,L,VLE,GLBM
May 18 2014	18"	8mm Ds	PF,PS,OVAL,FNUC,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	
H141-2	NGC 4326	Vir	Galaxy SAB(r)ab:	VF,S,R,BM,1ST OF 3
May 10 2005	8"	11mmT6	MF,VS,R,NND,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	
H142-1	NGC 4664	Vir	Galaxy SB(s)0/a	PB,2S*IN M,(=4665)
Apr 14 2016	12"	11mmT6	PF,PS,R,UB,NND,R=G	
Jun 07 2010	12"	11mmT6	PF,PS,OVAL,UB,NND,R=F	
H142-3	NGC 6926	Aql	Galaxy SB(s)bc pec	VF,PL,E176,P OF 2
Aug 02 2005	8"	11mmT6	VF,VS,NND,AV,R=F	
Aug 31 2008	31"	17mmT4	DIFF,CF,S,OVAL,NND,R=F	
H143-1	NGC 4900	Vir	Galaxy SB(rs)c	CB,CE,*10ATT POS135
Apr 28 2006	31"	19mmW	FB,PL,R,UB,NND,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	
H144-1	NGC 5566	Vir	Galaxy SB(r)ab	B,PL,R,PSBM,R,*F1.5'
Apr 28 2006	31"	19mmW	CB,CL,EON,BNUC,HISB,R=G	
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
May 23 2012	18"	8.8 ES	PB,PS,OVAL,PEXT,BNUC,R=G, PAIRED WITH NGC-5569	
May 30 2016	12"	8mm Ds	PF,PS,PEXT,FNUC,R=G	
H144-2	NGC 4370	Vir	Galaxy Sa sp	PF,PS,LE,BM
Mar 30 2014	18"	7mm TV	PF,PS,OVAL,UB,NND,R=F	
H144-3	NGC 6857	Cyg	Nebula HII	F,AM MILKY WAY ST
Aug 02 2005	8"	19mmW	MB,VL,HISB,R=G	
H145-1	NGC 5574	Vir	Galaxy SB0:-? sp	PF,PS,LE,P OF 2
Apr 28 2006	31"	19mmW	F,CL,OVAL,UB,NND,R=F	
May 30 2016	12"	7mm TV	PF,PS,OVAL,NND,R=F	
H145-3	NGC 7052	Vul	Galaxy E	F,S,VLE,R
Sep 01 2008	31"	17mmT4	PF,S,EL,OVAL,UB,NND,R=F	
Sep 01 2011	31"	17mmT4	PB,PS,OVAL,PEXT,FNUC,R=G	
H146-1	NGC 5576	Vir	Galaxy E3	B,S,R,VSBM,F OF 2

Herschel 2500 Observations

H146-1	NGC 5576	Vir	Galaxy E3	B,S,R,VSMBM,F OF 2
Apr 28 2006	31"	19mmW	B,L,OVALBNUC,HISB,R=G	
May 30 2016	12"	7mm TV	F,PS,OVAL,MEXT,FNUC,R=F	
H146-3	NGC 7720	Peg	Galaxy E+ pec:	F,S,LE,BM,AM ST
Sep 12 2004	8"	11mmT6	F,EL,OVAL,NND,AV,F 13.9 (P) MAG.	
H147-1	NGC 6304	Oph	Globular	GCL,B,CL,R,LBM,RRR
Jul 01 2016	12"	7mm TV	F,S,R=F,RESOLVE OUTER STARS	
Jul 15 2006	8"	19mmW	CF,PS,R=F,TIGHT SMUDGE, NO STARS	
Jun 23 2004	8"	25mmPL	QUARTER MOON, LEFT @1:30AM.	
H147-2	NGC 4532	Vir	Galaxy IBm	PB,PL,PME,VGBM,R
May 14 2007	31"	17mmT4	PB,PL,EON,UB,FNUC,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	
H148-1	NGC 5921	Ser	Galaxy SB(r)bc	CB,CL,IR,VSBM*12,AM*
May 30 2011	12"	7mm TV	PF,PS,OVAL,UB,NND,R=F	
Sep 05 2007	8"	11mmT6	PF,PL,OVAL,NND,R=F	
H148-2	NGC 4612	Vir	Galaxy (R)SAB0^	PB,S,R,PSMBM
Apr 08 2005	8"	11mmT6	MB,MS,OVAL,RNUC,R=G	
H148-3	NGC 108	And	Galaxy (R)SB(r)0+	PF,PL,R,PSLBM
Oct 17 2004	8"	7.5mmW	VF,OVAL,NND,AV,R=F	
H149-1	NGC 6342	Oph	Globular	CB,PS,LE,ER
Jul 01 2016	12"	7mm TV	PF,PS,R=F	
Jul 15 2006	8"	19mmW	VF,PS,R=F, DIM, UNRESOLVED.	
Jun 23 2004	8"	25mmPL	QUARTER MOON, LEFT @1:30AM.	
H149-2	NGC 4623	Vir	Galaxy SB0+ sp	CF,PL,E,PSLBM,R
Apr 08 2005	8"	11mmT6	MF,MS,OVAL,NND,AV,R=F	
H149-3	NGC 233	And	Galaxy E?	F,VS,R,LBM
Sep 09 2010	12"	5.5mmN	PF,PS,R,FNUC,R=F	
H150-1	NGC 6440	Sgr	Globular	PB,PL,R,BM
Jul 13 2007	8"	11mmT6	PF,CS,ALMOST RESOLVE STARS,R=G	
Jul 15 2006	8"	19mmW	CF,CS,R=F	
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	
H150-3	NGC 604	Tri	Knot in Galaxy	B,VS,R,VVLBM
Nov 10 2007	31"	17mmT4	VB,PS,COMPACT RECTANGULAR,R=G	
H151-1	NGC 524	Psc	Galaxy SA(rs)0+	VB,PL,MBM,4S*NR
Aug 21 2004	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
Nov 21 2006	8"	11mmT6	PF,S,R,NND,R=F	
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	
H151-3	NGC 807	Tri	Galaxy E	VF,VS,IR,BET2*N\$SP
Nov 02 2005	31"	19mmW	PB,FS,R,FNUC,MSB,R=G	
H152-1	NGC 821	Ari	Galaxy E6?	PB,VS,VLE,SVMBM,*NP
Sep 04 2005	8"	11mmT6	MF,MS,OVAL,FNUC,R=G	
H152-2	NGC 3692	Leo	Galaxy Sb	F,ME,R
Apr 14 2016	12"	8mm Ds	VF,VS,EON,UB,NND,R=F	
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	

Herschel 2500 Observations

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	
H153-1	NGC 908	Cet	Galaxy SA(s)c	CB,VL,E
Nov 21 2006	8"	11mmT6	PF,L,OVAL,NND,R=F	
H153-2	NGC 3822	Vir	Galaxy S0?	PF,PS,3RD OF 4
May 18 2007	31"	17mmT4	PF,PS,OVAL,NND,R=F	
H153-3	NGC 266	Psc	Galaxy SB(rs)ab	PB,PS,LE,PSBM,*8SF4'
Oct 09 2007	8"	11mmT6	VF,PS,R,NND,AV,R=F	
H154-1	NGC 949	Tri	Galaxy SA(rs)b:?	CB,L,E,VGBM
Nov 09 2004	8"	11mmT6	VF,OVAL,NND,MSB,R=G	
H154-2	NGC 3825	Vir	Galaxy SBa	PF,PS,4TH OF 4
May 18 2007	31"	17mmT4	PF,CS,OVAL,NND,R=F	
H155-2	NGC 4417	Vir	Galaxy SB0: sp	F,PL,E,LBP
Apr 05 2005	8"	7.5mmW	VF,ML,EL,EON,NND,AV,R=F	
H156-1	NGC 1023	Per	Galaxy SB(rs)0-	VB,VL,VME,VVMBM
Oct 10 2004	8"	11mmT6	MB,EL,RNUC,R=G	
Sep 09 2010	12"	17mmAT	B,S,EON,BNUC,R=G,PA=165	
H156-2	NGC 4442	Vir	Galaxy SB(s)0^	VB,PL,R,SMBM
Apr 26 2006	8"	11mmT6	PB,CS,EON,FNUC,R=G	
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
H156-3	NGC 495	Psc	Galaxy (R')SB(s)0/a p:	VF,S,1ST OF3
Nov 10 2007	31"	17mmT4	PB,S,OVAL,BNUC,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	
H157-2	NGC 4469	Vir	Galaxy SB(s)0/a? sp	PF,PL,ME,BM,R
Apr 05 2005	8"	7.5mmW	MF,ML,EL,EON,NND,R=G	
H157-3	NGC 496	Psc	Galaxy Sbc	VF,VS,2ND OF 3
Nov 10 2007	31"	17mmT4	PF,PL,OVAL,UB,NND,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	
H159-1	NGC 278	Cas	Galaxy SAB(rs)b	CB,PL,R,2*10NR
Aug 21 2004	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
Jul 23 2006	8"	11mmT6	PF,CS,R,NND,R=F	
Oct 05 2016	12"	11mmT6	F,S,FNUC,R=G	
H159-2	NGC 3681	Leo	Galaxy SAB(r)bc	B,PS,R,BM
May 13 2007	8"	11mmT6	CF,CS,R,NND,AV,R=P	
H159-3	NGC 507	Psc	Galaxy SA(r)0^	VF,PL,R,BM,S OF 2
Oct 30 2005	31"	17mmT4	VB,VL,R,FNUC,MSB,R=G	
H160-1	NGC 4546	Vir	Galaxy SB(s)0-:	VB,CL,PME78,VSMBMN
Apr 16 2004	8"	25mmPL	CLEAR - PALM PILOT DIRECTED	
Apr 26 2006	8"	11mmT6	F,L,OVAL,NND,R=F	

Herschel 2500 Observations

H160-1	NGC 4546	Vir	Galaxy SB(s)0-:	VB,CL,PME78,VSMBMN
Apr 26 2006	8"	11mmT6	F,L,OVAL,NND,R=F	
H160-2	NGC 3686	Leo	Galaxy SB(s)bc	PB,L,VLE,VGBM,R
Apr 26 2006	8"	11mmT6	VF,PS,OVAL,NND,AV,R=F	
H160-3	NGC 508	Psc	Galaxy E0:	VF,S,N OF 2
Oct 30 2005	31"	17mmT4	VB,VL,R,FNUC,MSB,R=G	
H161-1	NGC 4459	Com	Galaxy SA(r)0+	PB,PL,IR,BM,R,*8SF2'
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Apr 26 2006	8"	11mmT6	PF,PS,OVAL,NND,R=F	
H161-2	NGC 3801	Leo	Galaxy S0?	PF,PL,R,BM,R,2ND OF3
May 13 2007	8"	11mmT6	PF,PS,OVAL,NND,R=F	
May 14 2010	31"	17mmT4	PB,PL,OVAL,MEXT,BNUC,HSB,R=G	
H161-3	NGC 987	Tri	Galaxy SB0/a	F,S,VLE,BM,R,2*14 NP
Dec 19 2006	31"	17mmT4	PB,CL,OVAL,BNUC,HISB,R=F	
H162-1	NGC 4866	Vir	Galaxy SA(r)0+: sp	B,PL,ME90,SBMN,S*INV
Apr 28 2006	31"	19mmW	CN.VL,EON,BNUC,MSB,R=G	
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
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	
H163-1	NGC 3115	Sex	Galaxy S0- sp	VB,L,VME46,VGSMBMEN
Mar 15 2005	8"	11mmT6	VB,ML,EL,EON, FNUC,MSB,R=G	
H164-1	NGC 3294	LMi	Galaxy SA(s)c	CB,L,ME135,GLBM
Mar 13 2007	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
May 15 2017	12"	7mm TV	PF,PS,OVAL,UB,NND,R=F	
H165-1	NGC 4151	CVn	Galaxy (R')SAB(rs)ab:	VB,S,R,VSMBMBN,P OF2
Mar 29 2006	8"	11mmT6	F,S,OVAL,NND,R=F	
H165-2	NGC 4206	Vir	Galaxy SA(s)bc:	F,VME
Apr 04 2005	8"	11mmT6	VF,EON,NND,AV,R=F	
Apr 16 2009	16"	17mmT4	VF,PS,EON,NND,VLOWSB,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	
H166-3	NGC 7335	Peg	Galaxy SA(rs)0+	VF,VS
Aug 17 2012	18"	7mm TV	F,PS,OVA,PRETTY EXTENDED,NND,R=F	
Oct 23 2008	31"	17mmT4	CF,CS,OVAL,UB,FNUC,R=F	
Sep 02 2016	12"	5.5mmN	VF,VS,OVAL,NND,R=F	
H167-1	NGC 2782	Lyn	Galaxy SAB(rs)a pec	CB,R,MBMBN
Mar 13 2007	8"	11mmT6	PF,PS,OVAL,NND,AV,R=F	
H167-2	NGC 4387	Vir	Galaxy E	PF,VS,R,*13NP90,NP-2
Apr 09 2010	12"	11mmT6	PF,CS,OVAL,UB,NND,R=F	
May 14 2017	12"	11mmT6	F,PS,OVAL,FNUC,R=E	
H168-1	NGC 3184	UMa	Galaxy SBc	PB,VL,R,VGBM
Mar 13 2007	8"	11mmT6	VF,S,R,NND,AV,R=F	
H168-2	NGC 4388	Vir	Galaxy SA(s)b: sp	VF,E,SF OF2
May 14 2017	12"	11mmT6	F,PS,EON,BNUC,R=E	
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	

Herschel 2500 Observations

H168-2	NGC 4388	Vir	Galaxy SA(s)b: sp	VF,E,SF OF2
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
H169-2	NGC 4413	Vir	Non-Existent	CF,S,GBM,2ST N,NP
Apr 09 2010	12"	11mmT6	CF,PS,OVAL,MEXT,UB,NND,R=F	
Mar 30 2014	18"	7mm TV	PF,PS,OVAL,UB,ND,R=F	
H169-3	NGC 513	And	Galaxy S?	F,S,STELLAR
Nov 10 2007	31"	17mmT4	PB,PS,OVAL,FNUC,R=F	
H170-2	NGC 4425	Vir	Galaxy SB0+: sp	PF,S,R,BM
Apr 09 2010	12"	11mmT6	PF,PS,OVAL,PEXT,FNUC,R=G	
H170-3	NGC 523	And	Galaxy Pec	DNEB,VF,VS,DIST30"
Nov 08 2010	12"	5.5mmN	CF,CS,EON,UB,NND,AV1,R=F	
H171-3	NGC 536	And	Galaxy SB(r)b	PB,PL,GBM,F OF 2
Dec 01 2004	31"	11mmT6	MB,OVAL,FNUC,MSB,R=G, SOLO EFFORT	
Nov 03 2004	8"	11mmT6	VF,EL,NND,AV,R=F	
Oct 17 2004	8"	7.5mmW	VF,EL,NND,AV,R=F	
H172-1	NGC 3432	LMi	Galaxy SB(s)m sp	PB,PL,VME40,**NR SP
Mar 29 2006	8"	11mmT6	F,L,EON,NND,R=F	
May 15 2017	12"	7mm TV	PF,PS,EON,UB,NND,R=G	
H173-1	NGC 3941	UMa	Galaxy SB(s)0^A	VB,PL,R,SMBM*9
Mar 17 2007	8"	11mmT6	PB,CS,OVA,,BNUC,R=G	
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	
H174-3	NGC 614	Tri	Galaxy S0?	PF,PSBM,STELLAR
Nov 24 2006	31"	20mmUW	PB,O,R,FNUC,R=G	
H175-1	NGC 4203	Com	Galaxy SAB0-:	VB,S,R,PSMBM
Apr 06 2010	12"	11mmT6	PB,PS, R,FNUC,R=G	
May 17 2005	31"	11mmT6	MB,ML,R,FNUC,MHS,R=G	
H175-2	NGC 4531	Vir	Galaxy SB0+:	F,PL,R,VGBM
May 14 2007	31"	17mmT4	DIFF,PF,PL,OVAL,NND,R=F	
H175-3	NGC 679	And	Galaxy S0-:	F,STELLAR
Oct 07 2010	12"	5.5mmN	PF,PS,R,FNUC,R=F	
H176-1	NGC 4656	CVn	Galaxy SB(s)m pec	PB,L,VME34,SP OF 2
May 04 2005	8"	11mmT6	VF,ML,EL,EON,NND,R=F	
H176-3	NGC 735	Tri	Galaxy Sb	EEF,STELLAR
Nov 24 2006	31"	20mmUW	PF,PS,OVAL,NND,R=F	
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	
H178-1	NGC 4618	CVn	Galaxy SB(rs)m	B,L,E,MBM,CVDBRANCHN
Apr 06 2010	12"	11mmT6	DIFF,PF,PS,R,NND,R=F	
Apr 14 2010	16"	11mmT6	PF,PS,R,NND,R=F	
Mar 29 2006	8"	11mmT6	PF,PS,OVAL,NND,AV,R=F	
H178-2	NGC 5953	Ser	Galaxy SAa: pec	PB,CS,P OF D NEB
May 30 2011	12"	7mm TV	PF,PS,R,UB,NND,R=F	

Herschel 2500 Observations

H178-2	NGC 5953	Ser	Galaxy SAa: pec	PB,CS,P OF D NEB
May 30 2011	12"	7mm TV	PF,PS,R,UB,NND,R=F	
H178-3	NGC 1167	Per	Galaxy SA0-	VF,PL,R,SPMBM
Oct 25 2009	12"	7.5mmW	VF,PS,R,UB,NND,R=F	
H179-2	NGC 5954	Ser	Galaxy SAB(rs)cd: pec	PB,CS,F OF D NEB
May 30 2011	12"	7mm TV	PF,CS,OVAL,PEXT,UB,NND,R=F	
H179-3	NGC 697	Ari	Galaxy SAB(r)c:	F,CL,E,MBM
Sep 04 2005	8"	11mmT6	VF,VS,EL,NND,AV,R=F	
H180-2	NGC 4454	Vir	Galaxy (R)SB(r)0/a	F,L,R,GBM,ER
May 25 2014	18"	8mm Ds	PF,PS,OVAL,NND,R=F	
H180-3	NGC 7316	Peg	Galaxy S	F,S,R,*8SP
Oct 23 2008	31"	17mmT4	DIFF,F,CS,OVAL,UB,NND,R=F	
Sep 14 2012	36"	17mmT4	F,PS,OVAL,EXT,FNUC,R=G,FAINT STAR AT SW CORNER.	
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	
H181-2	NGC 4684	Vir	Galaxy SB(r)0+	B,PL,PME25
Apr 14 2010	16"	11mmT6	PF,PS,OVAL,VEXT,UB,NND,R=F	
H181-3	NGC 7550	Peg	Galaxy SA0-	CF,S,R
Aug 12 2005	8"	11mmT6	VF,VS,R,NND,AV,R=F	
Aug 25 2009	16"	11mmT6	CF,CS,R,UB,NND,R=F	
Sep 10 2015	12"	7mm TV	PF,PS,R,UB,NND,R=F	
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	
H183-2	NGC 4593	Vir	Galaxy (R)SB(rs)b	PB,CL,E,SBMN=*
Apr 08 2005	8"	11mmT6	MF,MS,OVAL,NND,R=F	
Apr 14 2016	12"	11mmT6	PF,S,OVAL,UB,NND,R=F	
H183-3	NGC 52	Peg	Galaxy S?	VF,S,E
Nov 02 2005	31"	19mmW	PF,PL,EON,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	
H184-2	NGC 4602	Vir	Galaxy SAB(rs)bc	F,L,E,VGLBM
Apr 08 2005	8"	11mmT6	MF,MS,EON,NND,R=F	
H184-3	NGC 7506	Psc	Galaxy (R')SB(r)0+:	CF,VS,R,SBM*15
Sep 19 2014	18"	8mm Ds	PF,PS,OVAL,FNUC,R=F, WRO - 9/19/14	
H185-1	NGC 5633	Boo	Galaxy (R)SA(rs)b	CB,PS,R,PGLBM
Jul 01 2016	12"	8mm Et	PF,PS,OVAL,UB,NND,R=F	
H185-3	NGC 7566	Psc	Galaxy (R')SB(rs)a pec	VF,PS,E,ER,3F*INV
Sep 19 2014	18"	8mm Ds	VF,PS,OVAL,MEXT,UB,NND,R=F, WRO - 9/19/14	
H186-1	NGC 5195	CVn	Galaxy I0 pec	B,PS,LE,VGBM,INV-M51
Apr 14 2016	12"	8mm Ds	F,PS,R,UB,NND,R=F,COULD NOT SEE LINK TO M51	
Apr 16 2004	8"	25mmPL	CLEAR - MEGASTAR CONTROL	
Apr 26 2006	8"	11mmT6	PB,L,OVAL,FNUC,MSB,R=G	
Aug 21 2015	12"	17mmT4		
Jul 13 2013	18"	7mm TV	MORE EYE CANDY - MAYTAG GALAXY	
May 23 2015	12"	8mm Ds	COMPANION TO M51	
May 30 2014	18"	8mm Ds	MORE DETAIL THAN THE 36". AT ZENITH	

Herschel 2500 Observations

H186-1	NGC 5195	CVn	Galaxy I0 pec	B,PS,LE,VGBM,INV-M51
May 30 2014	18"	8mm Ds	MORE DETAIL THAN THE 36". AT ZENITH	
May 30 2014	36"	17mmT4	GREAT VIEW.	
H186-2	NGC 4775	Vir	Galaxy SA(s)d	F,CL,R,VGLBM,R
Apr 14 2016	12"	11mmT6	VF,PS,R,UB,NND,R=F	
H187-3	NGC 7694	Psc	Galaxy Im pec:	EF,PL,STELLAR
Sep 19 2014	18"	8mm Ds	PF,PS,OVAL,VEXT,FNUC,R=G, WRO - 9/19/14	
H188-1	NGC 5689	Boo	Galaxy SB(s)0/a:	CB,PL,E87,PSMBM
May 04 2005	8"	11mmT6	MB,ML,EL,FNUC,R=G	
H188-3	NGC 7701	Psc	Galaxy	VF,S,R,MBM,*11SP
Sep 19 2014	18"	8mm Ds	PF,VS,OVAL,UB,NND,R=F, WRO - 9/19/14	
H189-1	NGC 5676	Boo	Galaxy SA(rs)bc	B,L,E45,PGBM,R
Apr 26 2006	8"	11mmT6	F,L,EL,OVAL,NND,R=F	
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
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	
H192-1	NGC 7008	Cyg	Planetary Neb 3	CB,L,E45,R,**ATT
Aug 02 2005	8"	19mmW	FB,FL,R=G, BEHIND STAR	
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	
H193-1	NGC 650	Per M76	Planetary Neb 3+6	VB,P OF DNEB
Dec 01 2004	31"	11mmT6	VB,HISB,R=E, SOLO EFFORT	
Dec 26 2003	8"	25mmPL	Q/M COLD	
Jul 24 2006	8"	11mmT6	PF,L,R,R=G	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 19 2006	8"	19mmW	PF,L,VLE,R=G	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Oct 01 2006	1.9"	12x50	PF,PS,R,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	
H194-1	NGC 3675	UMa	Galaxy SA(s)b	VB,CL,VME0,VSMBMN
Mar 17 2007	8"	11mmT6	PB,PL,EL,OVAL,BNUC,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	
H195-1	NGC 4111	CVn	Galaxy SA(r)0+: sp	VB,PS,ME151
Apr 13 2005	8"	11mmT6	VB,ML,EON,FNUC,MSB,R=G	
H195-2	NGC 6287	Oph	Globular	GCL,CB,L,R,GPMC,M,RRR
Jul 08 2004	8"	25mmPL	VERY CLEAR NIGHT - LEFT AT 1:00AM	
Jul 15 2006	8"	19mmW	CF,PS,R=F, DIM SMUDGE, NO STARS	
Jul 15 2015	12"	8mm Ds		

Herschel 2500 Observations

H195-2	NGC 6287	Oph	Globular	GCL,CB,L,R,GPMCM,RRR
Jul 15 2015	12"	8mm Ds		
May 30 2016	12"	8mm Ds	VF,PS,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	
H196-2	NGC 5694	Hya	Globular	CB,CS,R,PSBM,R,*9SP
Apr 13 2005	8"	7.5mmW	VS,VF,R,R=F	
H197-1	NGC 4485	CVn	Galaxy IB(s)m pec	B,PS,IR,NP OF 2
Mar 29 2006	8"	11mmT6	PF,PS,R,NND,R=F	
H197-2	NGC 6544	Sgr	Globular	CF,PL,IR,R
Aug 14 2004	8"	11mmT6		
Jul 05 2016	12"	8mm Et	PF,S,R=F	
Jul 15 2006	8"	19mmW	PF,CS,R=F,SMUDGE, NO STARS	
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	
H198-1	NGC 4490	CVn	Galaxy SB(s)d pec	VB,VL,ME130,R,SF OF2
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Mar 29 2006	8"	11mmT6	F,S,OVAL,FNUC,R=F	
H198-2	NGC 6540	Sgr	Globular	PF,S,IE,ER OR CL
Jul 05 2016	12"	8mm Et	F,PS,R=F, ALMOST LOST IN HEAVY STAR FIELD	
Jul 09 2005	8"	11mmT6	R=F. LOOSE GROUP, FEWER STARS	
Jul 13 2007	8"	7.5mmW	VF,VS,PATCHY,R=F	
H199-1	NGC 3198	UMa	Galaxy SB(rs)c	PB,VL,ME45,VGBM
Mar 13 2007	8"	11mmT6	VF,S,EON,NND,AV,R=F	
H199-2	NGC 6517	Oph	Globular	PB,PL,R,RR
Jul 03 2005	8"	11mmT6	VF,VS,AV,R=F	
Jul 09 2005	8"	11mmT6	MF,ML,R=F	
H199-3	NGC 1160	Per	Galaxy Scd:	F,E
Oct 25 2009	12"	7.5mmW	VF,VS,EL,OVAL,NND,AV,R=F	
H200-1	NGC 2683	Lyn	Galaxy SA(rs)b	VB,VL,VME39,GMBM
Mar 13 2007	8"	11mmT6	PB,PL,EON,FNUC,R=G	
H200-2	NGC 6528	Sgr	Globular	GCL,PF,CS,R,GBM,RRR
Jul 05 2016	12"	8mm Et	PF,PS,R=G, SAME FIELD AS NGC-6522	
Jul 15 2006	8"	19mmW	CF,CS,R=G	
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	
H201-1	NGC 3877	UMa	Galaxy SA(s)c:	B,L,ME37
Apr 14 2010	16"	11mmT6	PB,PL,EON,FNUC,R=G	
Mar 17 2007	8"	11mmT6	PF,PL,EON,NND,R=F	
H201-2	NGC 6569	Sgr	Globular	GCL,CB,L,R,RRR,*15..
Jul 05 2016	12"	8mm Et	F,S,R=F,CAN'T RESOLVE STARS	
Jul 15 2006	8"	19mmW	F,CS,R=F	
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	
H202-1	NGC 3949	UMa	Galaxy SA(s)bc:	CB,PL,PME,VGBM
Mar 17 2007	8"	11mmT6	PF,S,OVAL,NND,R=F	
H202-3	NGC 7468	Peg	Galaxy E3: pec	EF,VS
Oct 15 2006	31"	19mmW	PB,L,EL,OVAL,FNUC,R=G	
H203-1	NGC 3938	UMa	Galaxy SA(s)c	B,VL,R,BMPBN,ER
Mar 17 2007	8"	11mmT6	DIFF,PF,PL,OVAL,NND,R=F	
H203-2	NGC 7013	Cyg	Galaxy SA(r)0/a	PB,CS,R,PSBM,PB*NP

Herschel 2500 Observations

H203-2	NGC 7013	Cyg	Galaxy SA(r)0/a	PB,CS,R,PSBM,PB*NP
Jul 21 2004	8"	25mmPL	SHORT NIGHT - CLOUDS ROLLED IN.	
H203-3	NGC 7497	Peg	Galaxy SB(s)d	VF,L,PME45,LBM
Oct 06 2004	8"	7.5mmW	VF,EON,NND,AV,R=F	
Sep 19 2004	8"	7.5mmW	VF,PATCH,NND,AV,R=F MAG=13.3	
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	
H204-2	NGC 6629	Sgr	Planetary Neb 2a	PLNORGCL,PB,EES,R
Jul 09 2005	8"	11mmT6	VF,VS,AV,R=F	
H204-3	NGC 251	Psc	Galaxy Sc	VF,S,R,LBM,*INV,2S*F
Nov 28 2010	12"	7mm TV	DIFF,CF,CS,OVAL,UB,NND,R=F	
H205-1	NGC 2841	UMa	Galaxy SA(r)b:	VB,L,VME151,VSMBM*10
Mar 04 2006	8"	11mmT6	PB,PL,EON,FNUC,MSB,R=G	
H205-2	NGC 6642	Sgr	Globular	GCL,PB,PL,IR,GPMBM
Jul 05 2016	12"	8mm Et	PF,PS,R=F	
Jul 16 2006	8"	19mmW	F,CS,R=F	
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	
H206-1	NGC 4088	UMa	Galaxy SAB(rs)bc	B,CL,E55,LBM
Mar 18 2007	8"	11mmT6	PF,L,EON,UB,NND,R=F	
H206-2	NGC 6979	Cyg	Non-Existent	
Aug 07 2016	12"	27m PN	BRIGHT,LARGE,F=E. LP3. SQM-19.81, 62 DEGREES F.	
Jun 20 2007	1.9"	12x50	PF,PL,R=F, HINT OF NEBULOSITY	
H207-1	NGC 4096	UMa	Galaxy SAB(rs)c	PB,VL,ME32
Mar 01 2011	12"	11mmT6	PF,PS,EON,FNUC,R=F	
H207-2	NGC 7217	Peg	Galaxy (R)SA(r)ab	B,PL,GBM,ER
Jul 16 2004	8"	25mmPL	10.2 PHOTO MAG. VERY FAINT	
Sep 14 2012	36"	17mmT4	B,S,R,BNUC,R=G, SPIRAL STRUCTURE NOTED	
Sep 15 2004	8"	7.5mmW	F.NND.AV.R=F	
Sep 24 2016	12"	8mm Et	B,S,R,FNUC,R=G	
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	
H208-2	NGC 7741	Peg	Galaxy SB(s)cd	CF,CL,IR,D*10,12NP2'
Aug 21 2004	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
Sep 12 2004	8"	11mmT6	B,S,EL,OVAL,FNUC,HISB,G	
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		
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	
H210-1	NGC 4346	CVn	Galaxy S0 sp	VF,S,ME100,VSMBMBN
Mar 29 2006	8"	11mmT6	F,S,EON,FNUC,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	

Herschel 2500 Observations

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	
H211-1	NGC 4800	CVn	Galaxy SA(rs)b	PB,CS,R,PSBM,*14P
Mar 29 2006	8"	11mmT6	PF,PS,R,NND,R=F	
H211-2	NGC 972	Ari	Galaxy Sab	PB,CL,LE,GMBM,3*S
Nov 21 2006	8"	11mmT6	VF,L,OVAL,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	
H213-1	NGC 4449	CVn	Galaxy IBm	VB,CL,ME,DORBIFID,*F
Apr 16 2004	8"	25mmPL	CLEAR - MEGASTAR CONTROL	
Mar 13 2007	8"	11mmT6	PB,PL,OVAL,FNUC,MHISB,R=G	
H213-2	NGC 7753	Peg	Galaxy SAB(rs)bc	CF,CL,VLE,VGLBM,R
Sep 05 2010	12"	7mm TV	CF,PS,OVAL,UB,NND,R=F,PA=100	
H213-3	NGC 7691	Peg	Galaxy SAB(rs)bc	EF,PL,TRI W/2*10
Aug 24 2012	18"	5mm TV	PF,PS,OVAL,UB,NND,R=F	
H214-1	NGC 5474	UMa	Galaxy S(c)	PB,L,BM
Mar 18 2007	8"	11mmT6	VF,PS,R,NND,AV,R=F	
H215-1	NGC 5866	Dra M102	Galaxy SA0+ sp	VB,CL,PME146,GBM
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 26 2006	8"	19mmW	B,S,OVAL,FNUC,MSB,R=F	
H216-1	NGC 2787	UMa	Galaxy SB(r)0+	B,PL,LE90,MBM,R,*INV
Mar 04 2006	8"	11mmT6	F,PS,R,NND,R=F	
H216-3	NGC 7385	Peg	Galaxy E pec:	CF,S,R,GLBM,*11NP
Aug 12 2005	8"	11mmT6	VF,VS,R,NND,AV,R=F	
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	
H217-3	NGC 7386	Peg	Galaxy SA0:	CF,S,R,PGBM,F OF 2
Aug 12 2005	8"	11mmT6	VS,VS,OVAL,NND,AV,R=F	
H218-1	NGC 2419	Lyn	Globular	PB,PL,LE90,VGBM,*4'F
Dec 04 2004	8"	7.5mmW	OVAL,R=G	
H218-3	NGC 7648	Peg	Galaxy S0	VF,PS,LE,BM

Herschel 2500 Observations

H218-3	NGC 7648	Peg	Galaxy S0	VF,PS,LE,BM
Sep 09 2010	12"	5.5mmN	PF,PS,OVAL,MEXT,FNUC,R=F,PA=135	
H219-1	NGC 3665	Leo	Galaxy SA(s)0^A	CB,CL,IR,PGMBM
Mar 17 2007	8"	11mmT6	PB,L,OVAL,BNUC,R=G	
H219-3	NGC 6956	Del	Galaxy SBb	VF,S,STELL,**ATT
Sep 25 2006	31"	19mmW	PB,L,OVAL,NND,R=G	
H220-2	NGC 410	Psc	Galaxy E+:	PB,PL,NF OF 2
Oct 09 2007	8"	11mmT6	CF,CS,OVAL,NND,R=F	
H220-3	NGC 7515	Peg	Galaxy S?	F,CS,R,VGLBM,R
Sep 04 2005	8"	11mmT6	VF,VS,R,NND,AV,R=F	
H221-1	NGC 3718	UMa	Galaxy SB(s)a pec	PB,VL,R,VGLBM
Feb 23 2006	31"	17mmT4	VB,VL,OVAL,BNUC,HISB,R=G	
May 23 2012	18"	8.8 ES	F,S,OVAL,MEXT,UB,NND,R=F	
H221-2	NGC 736	Tri	Galaxy E+:	PB,R,BM
Nov 09 2004	8"	11mmT6	VF,OVAL,NND,AV,R=F	
Nov 24 2006	31"	20mmUW	CB,CL,OVAL,FNUC,R=G	
H221-2	NGC 740	Tri	Galaxy SBb?	F,L,CE
Nov 24 2006	31"	20mmUW	B,PL,EON,UB,NND,R=F	
H222-1	NGC 3729	UMa	Galaxy SB(r)a pec	PB,PL,LE0,GBM,*12NR
Feb 23 2006	31"	17mmT4	FB,FL,R,BNUC,HISB,R=G	
H222-2	NGC 750	Tri	Galaxy E pec	CB,PL,R,DW/751,25"
Nov 09 2004	8"	11mmT6	VF,EL,OVAL,NND,AV,R=F	
H222-3	NGC 7563	Peg	Galaxy SBa	PF,CS,R,SBM*16,SFOF2
Sep 04 2005	8"	7.5mmW	VF,OVAL,NND,AV,R=F	
H223-1	NGC 4026	UMa	Galaxy S0 sp	VB,CL,ME176,VSVMBMBN
Mar 18 2007	8"	11mmT6	PB,L,OVAL,FNUC,MSB,R=G	
H223-2	NGC 777	Tri	Galaxy E1	PB,PL,R,GLBM
Nov 09 2004	8"	11mmT6	VF,OVAL,NND,MSB,R=G	
Oct 29 2008	16"	17mmT4	PF,CS,R,FNUC,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	
H224-1	NGC 4085	UMa	Galaxy SAB(s)c:?	B,PL,ME78,VSBM
Mar 18 2007	8"	11mmT6	VF,PS,EL,EON,NND,AV,R=F	
H224-2	NGC 404	And	Galaxy SA(s)0-:	PB,CL,R,GBM,
Dec 01 2004	31"	11mmT6	MB,OVAL,FNUC,MSB,R=G, SOLO EFFORT	
Oct 05 2016	12"	8mm Et	PF,S,R,UB,NND,R=F	
Oct 06 2004	8"	7.5mmW	VB,EL,OVAL,FNUC,R=G	
H225-1	NGC 4102	UMa	Galaxy SAB(s)b?	B,PS,R,BMBN,*12SPVNR
Mar 18 2007	8"	11mmT6	PF,PS,EL,OVAL,UB,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	
H225-3	NGC 2124	Lep	Galaxy SA(s)b?	EEF,PS,E,R
Nov 22 2006	8"	11mmT6	VF,CS,EON,NND,R=F	
H226-1	NGC 3631	UMa	Galaxy SA(s)c	PB,L,R,SVMBMRN
Mar 17 2007	8"	11mmT6	B,PL,R,FNUC,R=G	
H226-2	NGC 7678	Peg	Galaxy SAB(rs)c	VF,PL,VLE,LBM,AM4ST

Herschel 2500 Observations

H226-2	NGC 7678	Peg	Galaxy SAB(rs)c	VF,PL,VLE,LBM,AM4ST
Aug 25 2009	16"	11mmT6	CF,CS,OVAL,NND,R=F	
Sep 04 2005	8"	7.5mmW	VF,VS,OVAL,NND,R=F	
H226-3	NGC 7671	Peg	Galaxy SA0:	PB,S,R,VSMBM,*9P
Aug 24 2012	18"	5mm TV	PF,VS,OVAL,MEXT,FNUC,R=F	
H227-2	NGC 7817	Peg	Galaxy SABc: sp	PF,CL,ME45,LBM
Aug 25 2009	16"	11mmT6	DIFF,CF,PS,EON,NND,R=F	
Sep 15 2004	8"	7.5mmW	EF,OVAL,PATCH,NND,AV,R=F	
Sep 19 2014	18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F, WRO - 9/13/14	
Sep 24 2016	12"	8mm Et	VF,PS,OVAL,MEXT,NND,R=F	
H228-1	NGC 3898	UMa	Galaxy SA(s)ab	B,PL,LE,SVMBM
Mar 17 2007	8"	11mmT6	PB,PS,OVALFNUC,R=G	
H229-1	NGC 3998	UMa	Galaxy SA(r)0^?	CB,PS,R,VG,SMBM
Mar 18 2007	8"	11mmT6	PB,PL,OVAL,FNUC,MSB,R=G	
H229-2	NGC 680	Ari	Galaxy E+ pec:	PB,S,IR,MBM,F OF 2
Nov 21 2006	8"	11mmT6	PF,S,OVAL,NND,R=F	
H230-2	NGC 7769	Peg	Galaxy (R)SA(rs)b	PF,PS,R,MBM
Oct 26 2014	12"	11mmT6	PF,S,OVAL,UB,NND,R=G	
Sep 04 2005	8"	11mmT6	MF,ML,R,NND,R=G	
Sep 10 2015	12"	7mm TV	PF,PS,R,UB,NND,R=F	
Sep 19 2014	18"	8mm Ds	PF,PS,R,FNUC,R=G, WRO - 9/19/14	
H230-3	NGC 7469	Peg	Galaxy (R')SAB(rs)a	VF,VS,VSMBM *12
Oct 05 2016	12"	8mm Et	PF,PS,OVAL,UB,NND,R=F	
Sep 19 2004	8"	7.5mmW	B,OVAL,NUC,R=G	
H231-1	NGC 5473	UMa	Galaxy SAB(s)0-:	PB,S,R,GBM
Mar 18 2007	8"	11mmT6	PF,PS,OVAL,UB,NND,R=F	
Sep 19 2014	12"	17mmAT	5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14	
H231-2	NGC 7771	Peg	Galaxy SB(s)a	PB,PL,E84,BM,N OF 2
Oct 26 2014	12"	11mmT6	PF,PS,OVAL,MEXT,UB,NND,R=F	
Sep 04 2005	8"	11mmT6	MF,ML,OVAL,NND,R=F	
Sep 10 2015	12"	7mm TV	VF,PS,OVAL,MEXT,NND,R=F	
Sep 19 2014	18"	8mm Ds	PF,PS,OVAL,MEXT,UB,NND,R=F, WRO - 9/19/14	
H231-3	NGC 7778	Psc	Galaxy E	CF,S,R,PSBM,1ST OF4
Oct 26 2014	12"	11mmT6	VF,VS,R,UB,NND,R=F	
Sep 19 2014	18"	8mm Ds	PF,PS,R,UB,NND,R=F,PAIRED W/NGC-7779, WRO - 9/19/14	
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	
H232-2	NGC 7798	Peg	Galaxy S	PF,S,R,SBM,*10SP
Nov 21 2006	8"	11mmT6	VF,PS,OVAL,AV,R=F	
H232-3	NGC 7779	Psc	Galaxy (R')SA0/a:	PF,S,R,PSBM,2ND OF 4
Oct 26 2014	12"	11mmT6	VF,VS,OVAL,UB,NND,R=P	
Sep 19 2014	18"	8mm Ds	PF,PS,R,UB,NND,R=F, PAIRED W/NGC-7778, WRO - 9/19/14	
H233-1	NGC 3448	UMa	Galaxy I0	B,PL,ME67,GBM
Apr 09 2010	12"	11mmT6	PF,PS,EON,UB,NND,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	

Herschel 2500 Observations

H233-2	NGC 7332	Peg	Galaxy S0 pec sp	CB,S,ME156,SMBMN,P-2
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	
H233-3	NGC 7782	Psc	Galaxy SA(s)b	PF,PL,LE,GLBM,4THOF4
Oct 26 2014	12"	11mmT6	PF,PS,OVAL,MEXT,NND,R=F	
Sep 19 2014	18"	8mm Ds	PF,PS,OVAL,MEXT,UB,NND,R=F, WRO - 9/19/14	
H234-2	NGC 7339	Peg	Galaxy SAB(s)bc:?	F,PS,ME89,VGLBM,FOF2
Aug 25 2009	16"	11mmT6	DIFF,PF,PS,EON,NND,R=F	
Oct 21 2006	31"	20mmUW	PB,PL,EON,NNUC,,R=G,PAIR W/N7332	
Sep 12 2004	8"	11mmT6	B,S,EL,OVAL,FNUC,HISB,G	
Sep 14 2012	36"	17mmT4	F,S,EON,UB,HSB,R=G, VERY NEAR, NGC-7332	
Sep 15 2004	8"	7.5mmW	F,PATCH,NND,AV,R=F	
Sep 24 2016	12"	8mm Et	PF,PS,EON,UB,NND,R=F	
H234-3	NGC 2599	Cnc	Galaxy SAa	VF,S,STELLAR
Mar 17 2010	12"	11mmT6	PF,PS,OVAL,R,UB,NND,R=F	
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	
H235-2	NGC 7556	Psc	Galaxy S0-	CF,PL,R,B** F
Sep 19 2014	18"	8mm Ds	PF,PS,OVAL,FNUC,R=G, WRO - 9/19/14	
H236-1	NGC 5631	UMa	Galaxy SA(s)0^	B,S,R,PSBMN
Mar 18 2007	8"	11mmT6	CF,CS,R,NND,R=F	
H236-2	NGC 7585	Aqr	Galaxy (R')SA(s)0+ pec	PB,PS,IR,GBM
Sep 05 2007	8"	11mmT6	PF,PS,OVAL,FNUC,R=F	
H236-3	NGC 2764	Cnc	Galaxy S0:	CF,VS,R,ER,BET2PB*
Mar 20 2007	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
H237-1	NGC 5678	Dra	Galaxy SAB(rs)b	B,L,LE0,VGMBM
Aug 06 2010	12"	7mm TV	PF,PS,OVAL,UB,MSB,R=F	
H237-3	NGC 7321	Peg	Galaxy SB(r)b	F,S,IR,VGV LBM
Aug 29 2010	12"	7mm TV	VF,CS,OVAL,UB,NND,R=F. PA=75	
Oct 23 2008	31"	17mmT4	DIFF,F,CS,OVAL,UB,NND,R=F	
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	
H238-3	NGC 7570	Peg	Galaxy SBa	EF,ES
Sep 09 2010	12"	5.5mmN	VF,CS,OVAL,PEXT,NND,AV,R=F,PA=90	
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	
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	
H240-3	NGC 1979	Lep	Galaxy SA0:	VF,VS,STELLAR
Nov 22 2006	8"	11mmT6	VF,PS,OVAL,NND,AV,R=F	

Herschel 2500 Observations

H240-3	NGC 1979	Lep	Galaxy SA0:	VF,VS,STELLAR
Nov 22 2006	8"	11mmT6	VF,PS,OVAL,NND,AV,R=F	
H241-1	NGC 3621	Hya	Galaxy SA(s)d	CB,VL,E160,AM4*
Mar 18 2007	8"	11mmT6	PF,PL,OVAL,NND,AV,R=F	
H241-2	NGC 57	Psc	Galaxy E	F,S,R,SBM
Oct 06 2004	8"	7.5mmW	F,EL,EON,FNUC,R=F	
H241-3	NGC 2073	Lep	Galaxy SA(rs)0-:	EF,VS,R,GBM
Nov 22 2006	8"	11mmT6	VF,VS,R,NND,AV,R=F	
H242-1	NGC 2681	UMa	Galaxy (R')SAB(rs)0/a	VB,VL,VG,VSMBM*10
May 10 2005	8"	11mmT6	MB,FS,R,FNUC,R=F	
H243-3	NGC 7436	Peg	Galaxy E	F,PS,F*ATT P,GBM
Aug 24 2012	18"	5mm TV	DIFF,PF,PS,R,UB,NND,R=F	
Aug 25 2009	16"	11mmT6	DIFF,CF,PS,R,NND,R=F	
H244-1	NGC 3619	UMa	Galaxy (R)SA(s)0+:	CB,CL,R,VGMBM
Mar 17 2007	8"	11mmT6	F,PS,R,NND,R=F	
H244-2	NGC 7711	Peg	Galaxy S0	F,S,R,PSBM,STELLAR
Sep 09 2010	12"	5.5mmN	PF,PS,OVAL,PEXT,FNUC,R=F,PA=170	
H244-3	NGC 216	Cet	Galaxy S0^? sp	EF,VS,LE
Nov 28 2010	12"	7mm TV	PF,CS,EON,UB,NND,R=F,PA=45	
H245-1	NGC 3642	UMa	Galaxy SA(r)bc:	PB,PL,R,VGBM
Mar 17 2007	8"	11mmT6	F,PL,OVAL,NND,R=F	
H245-2	NGC 234	Psc	Galaxy SAB(rs)c	F,PS,ILE,BM
Nov 28 2010	12"	7mm TV	DIFF,VF,CS,R,UB,NND,R=F,AV2	
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	
H246-2	NGC 877	Ari	Galaxy SAB(rs)bc	PF,PL,LE,PGBM,
Nov 21 2006	8"	11mmT6	PF,L,OVAL,NND,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	
H247-1	NGC 3690	UMa	Galaxy IBm pec	PB,PS,VLE80,PGBM
Jun 22 2012	18"	8.8 ES	PF,PS,OVAL,UB,NND,R=F,PAIRED W/IC-694	
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	
H248-2	NGC 7280	Peg	Galaxy SAB(r)0+	F,CS,R,GBMS*,3*N,NF
Aug 12 2005	8"	7.5mmW	VF,VS,OVAL,AV,R=F	
Oct 23 2008	31"	17mmT4	PF,PS,OVAL,BNUC,MSB,R=G	
H249-1	NGC 2742	UMa	Galaxy SA(s)c:	CB,CL,E90,ER
Mar 13 2007	8"	11mmT6	PF,PS,OVAL,NND,R=F	
H249-2	NGC 7454	Peg	Galaxy E4	F,CS,LE,LBM,*11P1'
Aug 21 2004	8"	11mmT6	****13.6 PHOTO MAGNITUDE****	
H250-1	NGC 2768	UMa	Galaxy E6:	CB,CL,LE,PSBMLBN
Mar 04 2006	8"	11mmT6	MB,ML,OVAL,NND,R=F	
H250-2	NGC 7625	Peg	Galaxy SA(rs)a pec	PB,CS,R,SMBM
Sep 01 2005	8"	7.5mmW	VF,VS,R,NND,AV,R=F	

Herschel 2500 Observations

H250-2	NGC 7625	Peg	Galaxy SA(rs)a pec	PB,CS,R,SMBM
Sep 01 2005	8"	7.5mmW	VF,VS,R,NND,AV,R=F	
H250-3	NGC 470	Psc	Galaxy SA(rs)b	PB,L,IR
Oct 09 2007	8"	11mmT6	PB,PS,OVAL,NND,R=F	
H251-1	NGC 3945	UMa	Galaxy (R)SB(rs)0+	B,PL,R,GMBM,R,*12SP
Mar 17 2007	8"	11mmT6	PF,S,OVAL,NND,R=F	
H251-2	NGC 7448	Peg	Galaxy SA(rs)bc	PB,L,E173,VGBM,*F2'
Aug 21 2004	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
Oct 26 2014	18"	8mm Ds	PF,PS,OVAL,MEXT,UB,NND,R=G	
Sep 10 2015	12"	8mm Ds	F,PS,OVAL,MEXT,UB,NND,R=F	
Sep 12 2004	8"	11mmT6	F,EL,OVAL,NND,AV,F	
Sep 24 2016	12"	8mm Et	F,S,OVAL,FNUC,R=G	
H251-3	NGC 474	Psc	Galaxy SA(s)0^	PB,S,SMBM,F OF 2
Oct 09 2007	8"	11mmT6	PF,PL,R,NND,R=F	
H252-1	NGC 4041	UMa	Galaxy SA(rs)bc:	B,CL,R,G,PSVMBMRN
Mar 18 2007	8"	11mmT6	PF,PL,R,NND,R=F	
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	
H252-3	NGC 488	Psc	Galaxy SA(r)b	PB,L,R,SVMBM,*8F10'
Aug 21 2004	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
Nov 21 2006	8"	11mmT6	B,L,OVAL,FNUC,R=F	
H253-1	NGC 4036	UMa	Galaxy S0-	VB,VL,E
Mar 18 2007	8"	11mmT6	PB,PL,EON,FNUC,MSB,R=G	
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	
H253-3	NGC 520	Psc	Galaxy Pec	F,CL,E137
Oct 09 2007	8"	11mmT6	PB,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	
H254-3	NGC 3044	Sex	Galaxy SB(s)c? sp	VF,VL,VME122
Mar 30 2014	18"	7mm TV	B,PS,EON,UB,NND,R=G,PA=145,REALLY NICE	
Mar 30 2014	28"	7mm TV	SUPER WITH IMAGE INTENSIFIER. SOME DETAIL IN CORE DEFINITION COMES AND GOES	
H255-1	NGC 5308	UMa	Galaxy S0- sp	B,PL,ME57,PSBMBEN
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	
H256-1	NGC 5322	UMa	Galaxy E3-4	VB,PL,IR,PSMBM
Mar 18 2007	8"	11mmT6	PB,L,OVAL,FNUC,HISB,R=G	
H256-2	NGC 7743	Peg	Galaxy (R)SB(s)0+	PF,S,R,*14SF
Sep 19 2004	8"	7.5mmW	F,EL,OVAL,NND,R=G	
H257-2	NGC 95	Psc	Galaxy SAB(rs)c pec	F,PL,R,GBM
Nov 28 2010	12"	7mm TV	PF,PS,OVAL,PEXT,FNUC,R=F	
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	
H258-2	NGC 1232	Eri	Galaxy SAB(rs)c	PB,CL,R,GBM,R
Jan 26 2006	8"	11mmT6	DIFF,VF,ML,R,NND,R=F	

Herschel 2500 Observations

H258-2	NGC 1232	Eri	Galaxy SAB(rs)c	PB,CL,R,GBM,R
Jan 26 2006	8"	11mmT6	DIFF,VF,ML,R,NND,R=F	
H259-1	NGC 3923	Hya	Galaxy E4-5	B,PL,LE,GMBM,R,VS*SP
Mar 01 2011	12"	11mmT6	PF,PS,OVAL,UB,NND,R=F	
H259-2	NGC 2577	Cnc	Galaxy S0-	F,S,IF,R
Mar 17 2010	12"	28mm	PF,CS,OVAL,UB,NND,R=F	
H260-1	NGC 2880	UMa	Galaxy SB0-	B,CS,R,MBM,AM ST
Mar 04 2006	8"	11mmT6	PF,PS,R,NND,R=F	
H260-2	NGC 2916	Leo	Galaxy SA(rs)b?	F,S,VLE
Apr 02 2008	8"	11mmT6	PF,PS,OVAL,NND,AV,R=F	
Feb 10 2005	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
H261-1	NGC 1931	Aur	Open Cluster I 3 p n	VB,L,R,B***IN M
Nov 03 2004	8"	7.5mmW	NICE CLUSTER	
H261-2	NGC 7137	Peg	Galaxy SAB(rs)c	F,PS,R,VGLBM,R
Oct 06 2004	8"	7.5mmW	VF,OVAL,NND,AV,R=F	
Sep 24 2016	12"	8mm Et	PF,S,OVAL,UB,NND,R=F	
H261-3	NGC 941	Cet	Galaxy SAB(rs)c	VF,CL,R,F OF 2
Nov 21 2006	8"	11mmT6	VF,S,OVAL,NND,V,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	
H263-1	NGC 4128	Dra	Galaxy SA0: sp	CB,LE,BM
Aug 29 2010	12"	7mm TV	PF,PS,OVAL,PEXT,FNUC,R=F. PA=10	
Aug 31 2010	12"	7mm TV	PF,PS,EON,FNUC,MSB,R=G. PA=10	
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	
H266-1	NGC 3206	UMa	Galaxy SB(s)cd	PB,CL,E,VGLBM
Apr 09 2010	12"	11mmT6	VF,CS,OVAL,PEXT,UB,NND,AV,R=F	
H266-2	NGC 2613	Pyx	Galaxy SA(s)b	CB,L,VME110
Mar 13 2007	8"	11mmT6	PF,PS,EON,NND,AV,R=F	
H267-1	NGC 3445	UMa	Galaxy SAB(s)m	CB,PL,IR,VGLBM,*NF2'
May 30 2014	18"	8mm Ds	PFL,PS,R,UB,NND,R=F	
H268-1	NGC 3458	UMa	Galaxy SAB0:	VB,VS,R,STELLAR
Apr 09 2010	12"	11mmT6	PB,CS,R,BNUC,R=G	
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
Mar 29 2006	8"	11mmT6	B,L,OVAL,FNUC,R=F	
H270-1	NGC 3610	UMa	Galaxy E5:	VB,PS,LE90,VSVMBSN
Mar 13 2007	8"	11mmT6	PF,PS,R,NND,R=F	
Mar 17 2007	8"	11mmT6	PB,S,R,BNUC,R=G	
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	
H271-1	NGC 3613	UMa	Galaxy E6	VB,CL,ME305,SMBMN

Herschel 2500 Observations

H271-1	NGC 3613	UMa	Galaxy E6	VB,CL,ME305,SMBMN
Mar 17 2007	8"	11mmT6	F,PS,OVAL,FNUC,R=G	
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	
H272-1	NGC 3332	Leo	Galaxy (R)SA0-	VF,S,LE130
Apr 21 2007	31"	17mmT4	DIFF,PF,PL,R,NND,R=F	
H272-3	NGC 3052	Hya	Galaxy SAB(r)c:	F,PL,R,GLBM,NF OF 2
Apr 08 2005	8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F	
H273-1	NGC 4589	Dra	Galaxy E2	CB,L,LE,PGMBM
Feb 23 2006	31"	17mmT4	VB,FL,OVAL,BNUC,HISB,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	
H273-3	NGC 3072	Hya	Galaxy S0/a? sp	VF,PS,LE,GLBM
Apr 08 2005	8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F	
H274-1	NGC 4648	Dra	Galaxy E3	PB,CS,R,GBM,**P
Feb 23 2006	31"	17mmT4	VB,FL,OVAL,BNUC,HISB,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	
H277-1	NGC 4386	Dra	Galaxy SAB0^:	PB,CL,LE,PSMBM
Jul 14 2010	12"	7.5mmW	PF,CS,OVAL,MEXT,FNUC,R=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	
H277-3	NGC 2992	Hya	Galaxy Sa pec	CF,S,R,BM,STEL,P OF2
Apr 08 2005	8"	7.5mmW	VF,VS,EL,EON,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	
H278-3	NGC 2993	Hya	Galaxy Sa pec	CF,S,R,BM,STEL,F OF2
Apr 08 2005	8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F	
H279-1	NGC 4127	Cam	Galaxy SAC?	F,PL,VLE,GLBM
May 25 2014	18"	8mm Ds	VF,PS,OVAL,PEXT,UB,NND,R=F	
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	
H279-3	NGC 4035	Crv	Galaxy (R')SAB(rs)bc p	EF,PL,*9M NR
Apr 07 2008	31"	17mmT4	PF,PS,OVAL,NND,LSB,R=F	
H280-1	NGC 6217	UMi	Galaxy (R)SB(rs)bc	B,CL,LE,SLBM
Mar 18 2007	8"	11mmT6	VF,VS,R,NND,AV,R=F	
Sep 02 2016	12"	8mm Et	PF,PS,OVAL,FNUC,R=F. SQM-20.08	
H281-1	NGC 613	ScI	Galaxy SB(rs)bc	VB,VL,VME118,SBM,*NF

Herschel 2500 Observations

H281-1	NGC 613	Scl	Galaxy SB(rs)bc	VB,VL,VME118,SBM,*NF
Oct 09 2007	8"	11mmT6	PB,PL,OVAL,FNUC,R=G	
H281-3	NGC 4756	Crv	Galaxy SAB(s)0^?	VF,PS,RESOLVABLE
Sep 15 2004	8"	7.5mmW	EF,PATCH,NND,AV,R=F, MAG=13.0	
H282-1	NGC 2977	Dra	Galaxy Sb:	CB,PL,IF,
Aug 31 2010	12"	7mm TV	VF,VS,OVAL,MEXT,PATCH,NND,R=F. PA=110	
H282-2	NGC 615	Cet	Galaxy SA(rs)b	PB,PL,ILE,GBM,*8NP10
Nov 21 2006	8"	11mmT6	VF,VS,OVAL,NND,R=F	
H283-1	NGC 3183	Dra	Non-Existent	F,PL,E,LBM
Aug 06 2010	12"	7mm TV	CF,CS,OVAL,UB,NND,AV,R=F	
H283-1	NGC 3218	Dra	Galaxy SB(s)bc:	CB,CL,ER,
Aug 25 2011	12"	5mm TV	F,VS,OVAL,MEXT,UB,NND,AV1,R=P	
H283-2	NGC 636	Cet	Galaxy E3	PB,VS,R,MBM,R
Nov 10 2007	31"	17mmT4	PB,PS,OVAL,BNUC,R=G	
H284-1	NGC 3329	Dra	Non-Existent	PB,S,LE,PSMBM
Aug 06 2010	12"	7mm TV	VF,VS,OVAL,NND,AV,R=F	
Aug 18 2010	12"	7mm TV	CF,CS,OVAL,MEXT,UB,NND,A=F. PA=100, 2 STARS NEAR W.N.W.	
Aug 29 2010	12"	7mm TV	CF,CS,OVAL,MEXGT,UB,NND,R=F. PA=100.	
H284-1	NGC 3397	Dra	Galaxy (R)SA(r)b:	CB,VS,IF
Aug 25 2011	12"	5mm TV	F,VS,OVAL,PEXT,UB,FNUC,R=F	
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	
H284-3	NGC 3818	Vir	Galaxy E5	F,PS,R,PSBM
Apr 02 2008	8"	11mmT6	B,S,OVAL,FNUC,R=F	
Apr 04 2005	8"	11mmT6	MF,EL,EON,NND,R=F	
H285-1	NGC 2976	UMa	Galaxy SAc pec	B,VL,ME152,ST INV
Mar 04 2006	8"	11mmT6	DIFF,F,FL,EON,NND,R=F	
H286-1	NGC 3077	UMa	Galaxy I0 pec	CB,CL,MBM,R WITH RAY
Mar 13 2007	8"	11mmT6	PF,L,OVAL,NND,AV,R=F	
May 24 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
H286-2	NGC 1241	Eri	Galaxy SB(rs)b	F,PL,R,VGLBM,*9N
Jan 26 2006	8"	11mmT6	DIFF,VF,MS,OVAL,NND,R=F	
H287-1	NGC 3735	Dra	Galaxy SAc: sp	PB,L,ME130,MBM
Aug 29 2010	12"	7mm TV	CF,PS,EON,UB,NND,R=F. PA=90	
Aug 31 2010	12"	7mm TV	CF,PS,EON,UB,NND,R=F. PA=90	
H288-1	NGC 2655	Cam	Galaxy SAB(s)0/a	VB,CL,LE90,GSVMBM
Oct 06 2004	8"	7.5mmW	MB,EL,EON,FNUC,R=G	
H289-2	NGC 1888	Lep	Galaxy SB(s)c pec	PB,PL,R,R
Nov 22 2006	8"	11mmT6	PF,S,EL,OVAL,R=F	
H289-3	NGC 2983	Hya	Galaxy SB(rs)0+	F,PS,R,BM,R,STELLAR
Apr 08 2005	8"	7.5mmW	VF,VS,OVAL,NND,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	
H291-3	NGC 2750	Cnc	Galaxy SABc	VF,CL,R,BMN,2C *P
Mar 20 2007	8"	11mmT6	VF,VS,R,NND,AV,R=F	
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	
H292-3	NGC 2604	Cnc	Galaxy SB(rs)cd	VF,PL,R,LBM,R,D*NR

Herschel 2500 Observations

H292-3	NGC 2604	Cnc	Galaxy SB(rs)cd	VF,PL,R,LBM,R,D*NR
Mar 17 2010	12"	11mmT6	DIFF,,VF,CS,OVAL,NND,R=F	
H293-2	NGC 3091	Hya	Galaxy E3:	PB,PS,IR,BM,P OF 2
Apr 08 2005	8"	11mmT6	MF,MS,OVAL,NND,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	
H295-3	NGC 2783	Cnc	Galaxy E	VF,VS,R,2PB* SP
Mar 17 2010	12"	11mmT6	PF,CS,OVAL,UB,FNUC,R=F	
H296-2	NGC 4027	Crv	Galaxy SB(s)dm	GCL,PF,PL,R,RR,ST16
Apr 07 2008	31"	17mmT4	PB,PS,R,UB,FNUC,MSB,R=G	
Mar 29 2006	8"	11mmT6	PF,PS,R,NND,AV,R=F	
H297-2	NGC 5247	Vir	Galaxy SA(s)bc	CF,VL,VG,PSMBMLN,
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
H298-3	NGC 2918	Leo	Galaxy E	VF,CS,R,SBMN
Apr 09 2010	12"	11mmT6	PF,PS,OVAL,UB,NND,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	
H303-2	NGC 2554	Cnc	Galaxy S0/a	F,S,R,MBM,R
Mar 17 2010	12"	11mmT6	PF,PS,OVAL,UB,NND,R=F	
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	
H310-2	NGC 5427	Vir	Galaxy SA(s)c pec	PF,CL,R,NF OF 2
May 23 2012	18"	8.8 ES	PF,PL,OVAL,MEXT,FNUC,R=G, PA=90, PAIRED WITH NGC-5426	
May 30 2016	12"	8mm Ds	VF,VS,OVAL,NND,R=F. PAIRED W/NGC-5426	
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	
H315-2	NGC 2592	Cnc	Galaxy E	PF,S,R,VSBM*
Mar 17 2010	12"	11mmT6	PF,PS,OVAL,UB,NND,R=F	
H315-3	NGC 2963	Dra	Galaxy SBab	VF,VS,R,BM
Jul 13 2013	18"	7mm TV	PF,PS,OVAL,PEXT,UB,NND,R=F	
H316-2	NGC 2371	Gem	Planetary Neb 3a+2	B,S,R,BMN,P OF DNEB
Dec 04 2004	8"	7.5mmW	MF,OVAL,R=G	
Feb 23 2006	31"	19mmW	FAIRLY LONG, ELONG,MSB,R=G	
H316-3	NGC 3252	Dra	Galaxy SBd? sp	EF,PS,ME,R

Herschel 2500 Observations

H316-3	NGC 3252	Dra	Galaxy SBd? sp	EF,PS,ME,R
Jul 13 2013	18"	7mm TV	PF,PS,EON,UB,NND,R=F,PA=35	
H317-2	NGC 2372	Gem	Non-Existent	PB,S,R,BMN,F OF DNEB
Nov 21 2006	8"	11mmT6	B,S,OVAL,R=F	
H317-3	NGC 3343	Dra	Galaxy E	PF,S,R,GBM
Jul 13 2013	18"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F	
H318-2	NGC 2608	Cnc	Galaxy SB(s)b:	F,VLE,MBM,R
Mar 20 2007	8"	11mmT6	PF,VS,OVAL,NND,AV,R=F	
H319-2	NGC 2619	Cnc	Galaxy Sbc	F,PS,R,BM,R
Mar 17 2010	12"	11mmT6	CF,PS,OVAL,UB,NND,R=F	
H320-3	NGC 3812	Leo	Galaxy E	CF,VS,R,1STOF3,*6SF
Apr 28 2006	31"	19mmW	CB,PL,R,FNUC,R=G	
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	
H321-3	NGC 3902	Leo	Galaxy SAB(s)bc:	F,PS,LE,VGLBM
May 07 2007	31"	17mmT4	DIFF,PF,PL,OVAL,NND,R=F	
H325-3	NGC 4007	Leo	Non-Existent	
May 14 2010	31"	17mmT4	PF,PS,OVAL,MEXT,BNUC,HSB,R=G	
H328-2	NGC 5127	CVn	Galaxy E pec	PB,PL,R,GMBM,**P
Apr 06 2010	12"	11mmT6	DIFF,PF,PS,OVAL,NND,R=P	
H329-2	NGC 5623	Boo	Galaxy E	CF,S,R,VSMBM,R
Jul 01 2016	12"	8mm Et	VF,VS,OVAL,UB,NND,R=F	
H330-2	NGC 5653	Boo	Galaxy (R')SA(rs)b	PF,PS,R,BM
Aug 03 2008	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
H330-3	NGC 3216	Leo	Galaxy E:	VF,PS,R,BM
Apr 21 2007	31"	17mmT4	PF,PS,OVAL,FNUC,R=F	
H331-3	NGC 3270	Leo	Galaxy SAB(r)b:	CF,VS,E,GLBM
Apr 21 2007	31"	17mmT4	PB,PL,EON,FNUC,R=G	
H332-2	NGC 5832	UMi	Galaxy SB(rs)b?	PB,CL,IR,BP,R
Sep 02 2016	12"	8mm Et	VF,PS,OVAL,AV1,R=P	
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	
H335-2	NGC 3403	Dra	Galaxy SAbc:	PF,L,IE,VGBM
Feb 23 2006	31"	17mmT4	MB,FS,OVAL,NND,LSB.R=F	
H335-3	NGC 3651	Leo	Galaxy E	CF,VS,R,BM,NP OF 2
Apr 26 2008	31"	17mmT4	PB,S,OVAL,UB,NND,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	
H336-3	NGC 3653	Leo	Galaxy S0?	VF,VS,SF OF 2
Apr 26 2008	31"	17mmT4	PB,S,OVAL,NND,MSB,R=F	
H337-2	NGC 3562	Dra	Galaxy E	PF,PS,LE,GBM,*70"NP
Aug 31 2010	12"	7mm TV	CF,PS,OVAL,PATCH,NND,AV,R=F. PA=135	
H338-2	NGC 3629	Leo	Galaxy SA(s)cd:	CF,L,R,VGVLBM
Apr 15 2007	31"	17mmT4	F,PL,OVAL,NND,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	

Herschel 2500 Observations

H339-2	NGC 3689	Leo	Galaxy SAB(rs)c	PB,PL,LE,BM
May 13 2007	8"	11mmT6	F,VS,R,NND,AV,R=F	
H339-3	NGC 3815	Leo	Galaxy Sab	CF,S,3RD OF 3
Apr 28 2006	31"	19mmW	CB,PL,OVAL,UB,NND,R=F	
H341-3	NGC 3911	Leo	Galaxy SB?	VF,S,P OF 2
May 07 2007	31"	17mmT4	DIFF,PF,PL,OVAL,NND,AV,R=F	
H342-2	NGC 3912	Leo	Galaxy SAB(s)b? pec	F,PL,R,PGBM
Mar 29 2006	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
H344-3	NGC 4002	Leo	Galaxy S0?	VF,VS,R,N OF 2
May 14 2010	31"	17mmT4	PB,CS,OVAL,MEXT,BNUC,HSB,R=G	
H347-2	NGC 3248	Leo	Galaxy S0	PB,S,R,PSBM
Apr 21 2007	31"	17mmT4	PB,PL,EL,OVAL,FNUC,MSB,R=G	
H347-3	NGC 5559	Boo	Galaxy SBb	VF,S,VLE,BM
May 04 2005	8"	11mmT6	MB,MS,OVAL,FNUC,R=G	
H348-3	NGC 3196	Leo	Galaxy	EEF,PS,LE
Apr 21 2007	31"	17mmT4	PF,PS,OVAL,NND,R=F	
H349-2	NGC 3701	Leo	Galaxy Sbc	PF,PL,LE
Mar 30 2014	18"	7mm TV	VF,PS,OVAL,MEXT,UB,NND,AV,R=F,PA=135	
H350-2	NGC 3710	Leo	Galaxy E	F,S,*7,8NF 5'
May 14 2010	31"	17mmT4	PB,PS,R,BNUC,HSB,R=G	
H353-2	NGC 4162	Com	Galaxy (R)SA(rs)bc	B,L,IE,BM
Mar 08 2010	12"	11mmT6	CF,PS,OB,NND,R=F	
H354-3	NGC 4004	Leo	Galaxy Pec	F,VS,R,*12 NEAR
Apr 28 2006	31"	19mmW	CF,CS,EON,UB,NND,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	
H359-2	NGC 3277	LMi	Galaxy SA(r)ab	CB,CS,R,PGBM
Mar 13 2007	8"	11mmT6	VF,VS,R,NND,R=F	
H362-2	NGC 3414	LMi	Galaxy S0 pec	B,PL,R,MBM
Mar 04 2006	8"	11mmT6	MB,FS,OVAL,FNUC,R=G	
May 15 2017	12"	7mm TV	PF,PS,OVAL,MEXT,FNUC,R=G	
H363-2	NGC 3418	LMi	Galaxy SAB(s)0/a:	CF,S,R,BM
May 15 2017	12"	7mm TV	VF,PS,OVAL,UB,NND,R=F	
H365-2	NGC 3510	LMi	Galaxy SB(s)m sp	F,L,CE,*7NF8'
Mar 20 2007	8"	11mmT6	PF,L,EON,NND,AV,R=F	
H366-2	NGC 3512	LMi	Galaxy SAB(rs)c	F,PS,R,PGBM,F OF 2
Mar 20 2007	8"	11mmT6	VF,VS,R,NND,AV,R=F	
H367-2	NGC 3713	Leo	Galaxy S0-:	F,CS,R,SBMN
May 14 2010	31"	17mmT4	PB,PS,OVAL,MEXT,BNUC,HSB,R=G	
H368-2	NGC 4008	Leo	Galaxy E5	PB,PS,E,PSBM,*INV N
May 13 2007	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
H370-2	NGC 4104	Com	Galaxy S0	PB,PS,LE,BM
Mar 08 2010	12"	11mmT6	CF,CS,OVAL,MEXT,UB,NND,R=F	
H372-2	NGC 4173	Com	Non-Existent	
Mar 16 2012	18"	8.8 ES	PB,CS,EON,BNUC,R=G, A.L. FLAT GALLAXY	
H372-3	NGC 3883	Leo	Galaxy SA(rs)b	VF,CL

Herschel 2500 Observations

H372-3	NGC 3883	Leo	Galaxy SA(rs)b	VF,CL
May 07 2007	31"	17mmT4	DIFF,PF,CL,OVAL,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	
H373-3	NGC 5768	Lib	Galaxy SA(rs)c:	F,R,BM FN,S*S
May 29 2006	31"	19mmW	F,PS,OVAL,NND,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	
H379-3	NGC 3926A	Leo	Galaxy E/S0	EF,ES,VLE,ER,ST NR
May 07 2007	31"	17mmT4	PB,S,R,UB,NND,R=F	
H379-3	NGC 3926B	Leo	Galaxy E/S0	EF,ES,VLE,ER,ST NR
May 07 2007	31"	17mmT4	PB,PS,OVAL,UB,NND,R=G	
H380-3	NGC 3940	Leo	Galaxy E	VF,CS,R
May 07 2007	31"	17mmT4	PB,PL,R,FNUC,HISB,R=G	
H383-2	NGC 4816	Com	Galaxy S0-:	VF,PL
May 18 2009	31"	17mmT4	PB,PS,OVAL,BNUC,MHISB,R=G	
H385-3	NGC 3862	Leo	Galaxy E	VF,VS,R,*17N
May 07 2007	31"	17mmT4	PB,PL,R,FNUC,HISB,R=G	
May 13 2007	8"	11mmT6	CF,CS,EON,NND,R=F	
May 13 2007	8"	11mmT6	VF,VS,R,NND,AV,R=F	
H386-3	NGC 3860	Leo	Galaxy S?	VF,VS,RESOLVABLE
May 07 2007	31"	17mmT4	PB,PL,OVAL,UB,FNUC,R=G	
H387-3	NGC 3875	Leo	Galaxy S0/a	VF,VS,RESOLVABLE
May 07 2007	31"	17mmT4	PB,PL,EON,UB,FNUC,R=G	
H388-3	NGC 3884	Leo	Galaxy SA(r)0/a	CF,S,IR,GBM,R,*7SP6'
May 07 2007	31"	17mmT4	PB,PL,OVAL,UB,FNUC,MSB,R=G	
H389-2	NGC 4874	Com	Galaxy E+0	F,4869\$72 P
Apr 18 2012	18"	8.8 ES	PF,PS,R,UB,NND,R=F	
H389-3	NGC 3937	Leo	Galaxy S0-:	EF, VS, 3937 F 12S
May 07 2007	31"	17mmT4	PB,PL,OVAL,UB,FNUC,MSB,R=G	
H391-2	NGC 4889	Com	Non-Existent	PB,PME,BM,*7N
Apr 13 2005	8"	7.5mmW	VF,VS,NND,AV,R=F	
Apr 18 2012	18"	8.8 ES	PF,PS,R,MEXT,UB,NND,R=F	
H402-2	NGC 6118	Ser	Galaxy SA(s)cd	VF,CL,CE45,R
Jul 24 2006	8"	11mmT6	VF,PS,OVAL,NND,AV,R=F	
May 30 2011	12"	7mm TV	PF,PS,OVAL,PEXT,UB,NND,R=F	
H404-2	NGC 4032	Com	Galaxy Im:	PF,PL,R,GBM,*12NF
Jun 09 2007	8"	11mmT6	VF,PS,R,NND,AV,R=F	
H405-2	NGC 4158	Com	Galaxy SA(r)b:	F,PS,LE,BM,PB*SF
Mar 08 2010	12"	11mmT6	CF,CS,R,UB,NND,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	

Herschel 2500 Observations

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	
H420-2	NGC 5614	Boo	Galaxy SA(r)ab pec	PB,S,R,SMBM
Apr 26 2009	16"	11mmT6	CF,CS,OVAL,UB,NND,R=F	
Aug 03 2008	8"	11mmT6	VF,VS,R,NND,AV,R=F	
Jun 05 2011	31"	17mmT4	PF,PS,R,BNUC,R=G	
H421-2	NGC 5656	Boo	Galaxy Sab	PF,PL,R,MBM,R
Jun 05 2011	31"	17mmT4	PF,PS,R,BNUC,HSB,R=G, POSSIBLE ARM STRUCTURE DETECTED.	
H421-3	NGC 5684	Boo	Galaxy S0	F,CS,R,BM,P OF 2
Jun 05 2011	31"	17mmT4	PF,PS,R,FNUC,R=F	
H422-2	NGC 5675	Boo	Galaxy S?	F,PS,E,BM
Jun 05 2011	31"	17mmT4	F,S,OVAL,VEXT,FNUC,HSB,R=F,PA=40	
H423-2	NGC 5695	Boo	Galaxy S?	PB,CS,R,BM,R
Jun 05 2011	31"	17mmT4	PF,CS,R,BNUC,R=F,DETECTED KNOT ON WEST SIDE.	
H425-2	NGC 5990	Ser	Galaxy (R')Sa pec?	VF,VS,R,GBM
May 30 2011	12"	7mm TV	CF,CS,OVAL,UB,NND,R=F	
H426-2	NGC 6962	Aqr	Galaxy SAB(r)ab	CF,S,R,BM
Sep 13 2007	31"	17mmT4	CB,CL,OVAL,FNUC,MSB,R=G	
H426-3	NGC 7685	Psc	Galaxy SAB(s)c:	EF,CL,R,GBM,**NR
Sep 19 2014	18"	8mm Ds	VF,PS,OVAL,MEXT,UB,NND,R=F, WRO - 9/19/14	
H427-2	NGC 6964	Aqr	Galaxy E+ pec:	F,VS,R,BM,*14SF1/2'
Sep 13 2007	31"	17mmT4	CB,CL,OVAL,FNUC,MSB,R=G	
H427-3	NGC 7750	Psc	Galaxy (R')SB(rs)c pec	CF,PL,VLE0,LBM,*11SF
Sep 19 2014	18"	8mm Ds	PF,PS,OVAL,PEXT,UB,NND,R=F	
H428-2	NGC 7311	Peg	Galaxy Sab	PF,S,R,PSBM,R
Aug 12 2005	8"	11mmT6	VF,VS,EL,NND,AV,R=F	
Oct 18 2009	12"	11mmT6	VF,VS,OVAL,NND,AV	
H429-2	NGC 7537	Psc	Galaxy SABc:	VF,CS,R,BM,SP OF 2
Oct 09 2007	8"	11mmT6	PF,PS,EON,NND,R=F	
H429-3	NGC 274	Cet	Galaxy SAB(r)0- pec	PB,PS,SMBM,NP OF 2
Nov 28 2010	12"	7mm TV	PF,PS,R,FNUC,R=F,PAIRED W/NGC-275	
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	
H432-2	NGC 7721	Aqr	Galaxy SA(s)c	PF,CL,E12,VGBM
Nov 09 2004	8"	11mmT6	VF,EL,EON,NND,AV,R=F	

Herschel 2500 Observations

H432-2	NGC 7721	Aqr	Galaxy SA(s)c	PF,CL,E12,VGBM
Nov 09 2004	8"	11mmT6	VF,EL,EON,NND,AV,R=F	
H432-3	NGC 600	Cet	Galaxy (R')SB(rs)d	EEF
Nov 21 2006	8"	11mmT6	F,S,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	
H437-3	NGC 7751	Psc	Galaxy S?	F,S,R,GBM,ER
Sep 19 2014	18"	8mm Ds	VF,VS,R,UB,NND,R=F, WRO - 9/19/14	
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	
H441-2	NGC 7634	Peg	Galaxy SB0	F,S,F**ATT
Sep 05 2010	12"	5.5mmN	CF,CS,R,UB,NND,R=P,PA=90	
H442-2	NGC 7364	Aqr	Galaxy S0/a pec:	F,S,R,PSBM
Sep 13 2007	31"	17mmT4	PB,PS,OVAL,FNUC,MSB,R=G	
H443-2	NGC 7391	Aqr	Galaxy E:	CF,CS,R,SBM*13,*NP
Sep 13 2007	31"	17mmT4	PB,PL,OVAL,FNUC,HISB,R=G	
H444-2	NGC 227	Cet	Galaxy S0- pec:	F,PL,LBM
Nov 28 2010	12"	5.5mmN	DIFF,VF,PS,OVAL,UB,NND,R=F,AV3	
H445-2	NGC 245	Cet	Galaxy SA(rs)b pec?	F,PS,IF,ER
Nov 28 2010	12"	7mm TV	PF,PS,OVAL,FNUC,R=F,PA=125	
H446-2	NGC 271	Cet	Galaxy (R')SB(rs)ab	PF,S,LE,PSBM,*8F5S
Nov 28 2010	12"	7mm TV	CF,CS,OVAL,UB,NND,R=F,AV1	
H447-3	NGC 1924	Ori	Galaxy SB(r)bc	VF,PL,IR,ST NR
Nov 21 2006	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
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	
H450-2	NGC 7443	Aqr	Galaxy SB(s)0+: sp	F,VS,VLE,SMBM,ER,N-2
Oct 31 2010	12"	5.5mmN	PF,PS,OVAL,PEXT,FNUC,R=F,PA=90. PAIRED WITH NGC-7444	

Herschel 2500 Observations

H450-2	NGC 7443	Aqr	Galaxy SB(s)0+:	sp	F,VS,VLE,SMBM,ER,N-2
Oct 31 2010	12"	5.5mmN	PF,PS,OVAL,PEXT,FNUC,R=F,PA=90. PAIRED WITH NGC-7444		
H451-2	NGC 7444	Aqr	Galaxy SB(r)0^?	sp	F,VS,VLE,SMBM,ER,S-2
Oct 31 2010	12"	5.5mmN	CF,PS,OVAL,PEXT,FNUC,R=F,PA=45. PAIRED WITH NGC-7443		
H452-2	NGC 210	Cet	Galaxy SAB(s)b		B,PS,R,PSBM,R,*11P'
Dec 16 2009	12"	7.5mmW	PF,PS,OVAL,UB,NND,R=F		
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		
H453-2	NGC 7393	Aqr	Galaxy SB(rs)c pec		VF,PL,LE,VGBM,R
Sep 13 2007	31"	17mmT4	PF,PS,EON,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		
H455-2	NGC 1417	Eri	Galaxy SAB(rs)b		PF,PL,LE,LBM,*SF
Jan 26 2006	8"	11mmT6	VF,MS,OVAL,NND,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		
H456-3	NGC 36	Psc	Galaxy SAB(rs)b		VF,PS,IF
Dec 12 2012	36"	17mmT4	VF,VS,R,FNUC,R=F,SOME SPIRAL STRUTURE ON ARMS		
Nov 28 2010	12"	7mm TV	CF,CS,OVAL,UB,NND,R=F,PA=40		
H458-3	NGC 7252	Aqr	Galaxy (R)SA(r)0^:		F,S,R,ER
Sep 05 2007	8"	11mmT6	PF,PS,OVAL,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.		
H463-3	NGC 268	Cet	Galaxy SB(s)bc:		VF,PS,ILE,R
Nov 28 2010	12"	7mm TV	PF,CS,OVAL,UB,NND,R=F,PA=35		
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		
H465-3	NGC 7432	Peg	Galaxy E		EF,S,R
Nov 03 2013	36"	17mmT4	CF,CS,OVAL,UB,NND,R=G		
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		
H466-3	NGC 7794	Peg	Galaxy S?		VF,PS,IR
Sep 09 2010	12"	5.5mmN	CF,CS,R,UB,NND,R=F		
H467-2	NGC 7562	Psc	Galaxy E2-3		CB,PS,IR,PSBM
Oct 09 2007	8"	11mmT6	PB,PS,OVAL,FNUC,R=F		
H467-3	NGC 154	Cet	Galaxy E		EF,VS,R
Nov 28 2010	12"	7mm TV	CF,CS,OVAL,MEXT,UB,NND,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		
H469-2	NGC 7284	Aqr	Galaxy SB(s)0^ pec		CF,CS,LE,R,D*INV
Sep 05 2007	8"	11mmT6	VF,VS,R,NND,AV,R=F		
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		
H471-2	NGC 137	Psc	Galaxy S0		F,IF,LBM
Oct 07 2010	12"	5.5mmN	PF,CS,,R,UB,NND,R=F		
H472-2	NGC 255	Cet	Galaxy SAB(rs)bc		F,PS,R,GBM
Nov 28 2010	12"	7mm TV	PF,PS,R,FNUC,R=F		
H473-3	NGC 7647	Peg	Galaxy E		EF,(CL),P A ROWOF ST

Herschel 2500 Observations

H473-3	NGC 7647	Peg	Galaxy E	EF,(CL),P A ROWOF ST
Oct 25 2006	31"	17mmT4	CF,CS,OVAL,NND,R=F	
H475-3	NGC 1036	Ari	Galaxy Pec?	F,S,R,LBM
Oct 30 2005	31"	17mmT4	MB,ML,OVAL,NND,R=G	
H476-2	NGC 7309	Aqr	Galaxy SAB(rs)c	VF,PL,R,GLBM,R
Sep 12 2010	12"	5.5mmN	VF,PS,R,UB,NND,R=F	
H476-3	NGC 160	And	Galaxy (R)SA0+ pec	VF,VS,STELL,*8NP4'
Oct 17 2004	8"	7.5mmW	VF,EL,OVAL,NND,AV,R=F	
H477-2	NGC 7371	Aqr	Galaxy (R)SA(r)0/a:	VF,PL,R,LBM
Sep 05 2007	8"	11mmT6	PF,VS,R,NND,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	
H479-2	NGC 191	Cet	Galaxy SAB(rs)c: pec	PB,PL,IE0,
Nov 28 2010	12"	7mm TV	CF,CS,R,UB,NND,R=F	
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	
H481-3	NGC 4356	Vir	Galaxy Scd:	VF
May 25 2014	18"	8mm Ds	PF,PS,EON,UB,NND,R=F, MAG 13 STAR ON SOUTH EDGE.	
H483-3	NGC 4464	Vir	Galaxy S?	F,VS,R,PGBM
May 14 2007	31"	17mmT4	PB,PS,R,FNUC,MSB,R=G	
H484-3	NGC 4488	Vir	Galaxy SB(s)0/a pec:	VF,VS,LE
May 14 2007	31"	17mmT4	PB,PS,OVAL,UB,FNUC,MSB,R=G	
H485-3	NGC 244	Cet	Galaxy S0 pec?	VF,S,IR,R,*10S5'
Nov 28 2010	12"	7mm TV	PF,CS,OVAL,FNUC,R=F,PA=45	
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	
H491-2	NGC 2968	Leo	Galaxy I0	PB,PL,LE,VGLBM,2ND-3
Feb 10 2005	8"	11mmT6	DIFF,MF,MS,OVAL,NND,AV,R=F	
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	
H493-2	NGC 3413	LMi	Galaxy S0 sp	F,S
May 15 2017	12"	7mm TV	VF,VS,OVAL,MEXT,UB,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	
H495-2	NGC 2906	Leo	Galaxy Scd:	F,PS,LE,GBM
Mar 16 2010	12"	11mmT6	CF,CS,OVAL,MEXT,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	
H498-3	NGC 3495	Leo	Galaxy Sd:	VF,PL,ME
Apr 19 2007	31"	17mmT4	B,PL,EON,FNUC,MHISB,R=G	
H499-2	NGC 4492	Vir	Galaxy SA(s)a?	PF,PL,VGLBM,2*NR
May 14 2007	31"	17mmT4	PB,PS,R,FNUC,MSB,R=G	
H500-2	NGC 4535	Vir	Galaxy SAB(s)c	PF,VL,R
Apr 26 2006	8"	11mmT6	F,VL,OVAL,NND,R=F	

Herschel 2500 Observations

H500-2	NGC 4535	Vir	Galaxy SAB(s)c	PF,VL,R
Apr 26 2006	8"	11mmT6	F,VL,OVAL,NND,R=F	
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
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	
H503-3	NGC 1729	Ori	Galaxy SA(s)c	VF,PL,2B*V NR
Nov 21 2006	8"	11mmT6	VF,VS,OVAL,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	
H505-2	NGC 2811	Hya	Galaxy SB(rs)a	PB,PS,E,PSMBM
Mar 29 2006	8"	11mmT6	PF,PS,EL,OVAL,NND,AV,R=F	
H508-2	NGC 4033	Crv	Galaxy E6	PB,S,LE,BM
Mar 18 2007	8"	11mmT6	VF,PS,OVAL,NND,AV,R=F	
H508-3	NGC 5729	Lib	Galaxy Sb pec:	F,PL,E,R
May 28 2006	31"	19mmW	PF,PS,EON,NND,R=F	
H509-3	NGC 4599	Vir	Galaxy SA0/a sp	VF,VS
May 18 2014	18"	8mm Ds	VF,PS,OVAL,UB,NND,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	
H512-3	NGC 2513	Cnc	Galaxy E	F,S,R,PSMBM,R
Mar 17 2010	12"	11mmT6	CF,CS,OVAL,UB,NND,R=F	
H513-2	NGC 5054	Vir	Galaxy SA(s)bc	F,PS,IR
Apr 28 2006	31"	19mmW	CB,PL,OVAL,UB,NND,R=F	
H514-3	NGC 4703	Vir	Galaxy Sb sp	EF,CS,PME
May 18 2014	18"	8mm Ds	PF,PS,EON,FNUC,R=G,PA=153	
H515-3	NGC 4739	Vir	Galaxy E+ pec:	F,PL,LE,PGLBM
May 14 2007	31"	17mmT4	DIFF,PF,PL,R,NND,R=F	
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	
H524-3	NGC 4700	Vir	Galaxy SB(s)c? sp	F,L,ME40,VLBM,B*P
May 18 2014	18"	8mm Ds	PF,PS,EON,FNUC,R=F,PA=48	
H526-2	NGC 1653	Eri	Galaxy E+:	F,CS,R,LBM
Dec 15 2004	8"	11mmT6	MF,R,NND,AV,R=F	

Herschel 2500 Observations

H526-2	NGC 1653	Eri	Galaxy E+:	F,CS,R,LBM
Dec 15 2004	8"	11mmT6	MF,R,NND,AV,R=F	
H527-2	NGC 1682	Ori	Galaxy E/S0	VF,VS,1684F12S,*9S4'
Dec 04 2004	8"	11mmT6	VF,R,NND,AV,R=F	
H528-2	NGC 1684	Ori	Galaxy E+ pec:	PF,PS,R,BM,*9SF
Dec 04 2004	8"	11mmT6	VF,OVAL,NND,AV,R=G	
Dec 15 2004	8"	11mmT6	VF,OVAL,NND,AV,R=F	
Nov 06 2004	8"	11mmT6	VF,EL,OVAL,NND,AV,R=F	
H532-2	NGC 4630	Vir	Galaxy IB(s)m?	CF,S,R,LBM
Apr 08 2005	8"	7.5mmW	VF,VS,OVAL,NND,AV,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	
H533-3	NGC 4114	Crv	Galaxy (R')SAB(rs)a:	CF,S,IR,GBM
Apr 07 2008	31"	17mmT4	F,PS,OVAL,UB,NND,R=F	
Mar 18 2007	8"	11mmT6	VF,VS,R,NND,AV,R=F	
H534-2	NGC 5364	Vir	Galaxy SA(rs)bc pec	CF,L,R,GBM
Apr 28 2006	31"	19mmW	B,CS,R,NND,R=F	
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
H534-3	NGC 4177	Crv	Galaxy SA(rs)c pec:	VF,PL,R,VGBM
Apr 07 2008	31"	17mmT4	DIFF,F,S,OVAL,NND,LSB,R=F	
H535-3	NGC 4265	Crv	Galaxy Sb	VF,PS,R
Apr 07 2008	31"	17mmT4	F,PS,EL,OVAL,NND,LSB,R=F	
H536-2	NGC 4845	Vir	Galaxy SA(s)ab sp	PF,PL,PME,VGBM,*NF
May 04 2005	8"	11mmT6	MF,MS,EL,EON,FNUC,R=G	
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
May 19 2010	12"	7.5mmW	CF,CS,OVAL,MEXT,UB,NND,R=F	
H541-2	NGC 5839	Vir	Galaxy SAB(rs)0^:	PF,PS
May 19 2010	12"	7.5mmW	CF,VS,R,FNUC,R=F	
H541-3	NGC 2955	LMi	Galaxy (R')SA(r)b	CF,PS,IR,GLBM,R
Mar 20 2007	8"	11mmT6	VF,VS,OVAL,NND,AV,SUSP,R=P	
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	
H549-2	NGC 4818	Vir	Galaxy SAB(rs)ab pec:	PB,L,PME0,GBM
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
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	
H550-3	NGC 5718	Vir	Galaxy S0-:	VF,S,R,VGLBM,*8,9NF
Apr 18 2012	18"	11mmT6	PB,PS,EON,FNUC,HSB,R=G, PA=60	
May 23 2012	18"	8.8 ES	CF,PS,OVAL,MEXT,UB,NND,AV2,R=F	
H551-2	NGC 3637	Crt	Galaxy (R)SB(r)0^	F,VS,R,PSBM,*7P,FOF2

Herschel 2500 Observations

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	
H552-3	NGC 5549	Vir	Galaxy S0	VF,VS,R
May 18 2014	18"	8mm Ds	PF,PS,OVAL,MET,FNUC,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	
H554-2	NGC 2507	Cnc	Galaxy S0/a pec	PB,PL,IR,VGBM,ER,*S
Mar 17 2010	12"	11mmT6	VF,VS,OVAL,UB,NND,AV,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	
H558-3	NGC 7492	Aqr	Globular	EF,L,BET2D*
Oct 05 2016	12"	11mmT6	F,PS,R=G	
Sep 05 2007	8"	11mmT6	VF,VS,AV,R=F	
H560-3	NGC 551	And	Galaxy SBbc	VF,S,E,VGLBM,*13NR
Sep 12 2010	12"	5.5mmN	VF,PS,EON,NND,AF,R=P,PA=175	
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	
H561-3	NGC 687	And	Galaxy S0	VF,STELLAR
Oct 07 2010	12"	7mm TV	CF,PS,R,UB,NND,R=F	
H562-3	NGC 703	And	Galaxy S0-	VF,VS,R,1ST OF 4
Oct 07 2010	12"	7mm TV	CF,PS,OVAL,NND,R=F,PA=90	
H563-3	NGC 704	And	Galaxy S0	VF,VS,R,2ND OF 4
Oct 07 2010	12"	7mm TV	CF,CS,R,UB,NND,R=F	
H565-2	NGC 3381	LMi	Galaxy SB pec	PF,CL,IR,VGLBM,1ST-3
Mar 20 2007	8"	11mmT6	VF,PS,R,NND,AV,R=F	
H565-3	NGC 708	And	Galaxy E	F,PL,BM,4TH OF 4
Oct 07 2010	12"	7mm TV	PF,PS,R,NND,R=F	
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	
H566-3	NGC 797	And	Galaxy SAB(s)a	VF,S,IR,SBM,*NR
Oct 17 2004	8"	7.5mmW	VF,OVAL,NND,AV,R=F	
H567-3	NGC 834	And	Galaxy S?	VF,S,LE
Nov 08 2010	12"	5.5mmN	PF,PS,OVAL,UB,NND,R=F,PA=90	
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	
H569-2	NGC 4273	Vir	Galaxy SB(s)c	PB,L,E,GBM
Apr 04 2005	8"	11mmT6	MB,OVAL,FNUC,MSB,R=G	

Herschel 2500 Observations

H569-2	NGC 4273	Vir	Galaxy SB(s)c	PB,L,E,GBM
Apr 04 2005	8"	11mmT6	MB,OVAL,FNUC,MSB,R=G	
May 14 2017	12"	11mmT6	PF,PS,OVAL,FNUC,R=G	
H570-3	NGC 898	And	Galaxy Sab sp	EF,VS,LE
Nov 08 2010	12"	5.5mmN	PF,PS,EON,FNUC,R=F,PA=45	
H571-3	NGC 910	And	Galaxy E+	VF,PS,STELLAR
Oct 30 2005	31"	17mmT4	VB,ML,R,FNUC,MSB,R=G	
H572-2	NGC 4300	Vir	Galaxy Sa	F,LE,VGBM
May 18 2014	18"	8mm Ds	PF,PS,OVAL,FNUC,R=F	
H572-3	NGC 980	And	Galaxy S0	VF,PS,SP OF 2
Nov 08 2010	12"	5.5mmN	CF,PS,OVAL,MEXT,UB,NND,R=F,PA=180	
Oct 07 2010	12"	7mm TV	VF,CS,OVAL,PEXT,UB,NND,R=F,AV-2,PA=170	
H573-2	NGC 4281	Vir	Galaxy S0+: sp	B,VL,R,PGBM
Apr 04 2005	8"	11mmT6	MB,EL,OVAL,NND,MSB,R=F	
Apr 14 2016	12"	11mmT6	PF,PS,OVAL,MEXT,FNUC,R=F	
May 14 2017	12"	11mmT6	PF,PS,OVAL,FNUC,R=G	
H573-3	NGC 982	And	Galaxy Sa	F,S,NF OF 2
Nov 08 2010	12"	5.5mmN	PF,PS,OVAL,PEXT,UB,NND,R=F,PA=15	
Oct 07 2010	12"	7mm TV	CF,CS,OVAL,PEXT,UB,NND,R=F,PA=10	
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	
H575-2	NGC 5701	Vir	Galaxy (R)SB(rs)0/a	CB,PS,R,MBM,*11P15S
Apr 29 2006	31"	19mmW	CB,S,R,FNUC,MSB,R=F	
May 30 2016	12"	8mm Ds	PF,PS,R,UB,NND,R=F	
H576-3	NGC 7426	Lac	Galaxy E	VF,CS,R,STELLAR,D*P
Aug 24 2012	18"	5mm TV	VF,PS,R,UB,NND,AV3,R=P	
H577-2	NGC 4600	Vir	Galaxy S0	F,S,R,2*8F
May 18 2014	18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F	
H577-3	NGC 477	And	Galaxy SAB(s)c	VF,PS,VLE,VGLBM
Oct 30 2005	31"	17mmT4	MF,ML,OVAL,NND,R=F	
H578-2	NGC 4701	Vir	Galaxy SA(s)cd	F,S
May 18 2014	18"	8mm Ds	PF,PS,OVAL,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	
H580-2	NGC 5636	Vir	Galaxy SAB(r)0+	EF,CL,R,NP OF 2
May 19 2010	12"	7.5mmW	VF,CS,OVAL,UB,NND,R=F	
H580-3	NGC 1138	Per	Galaxy SB0	VF,VS,R,GBM,2S* TRI
Oct 31 2010	12"	5.5mmN	PF,PS,R,UB,NND,R=F. STAR IN FRONT.	
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	
H584-2	NGC 6235	Oph	Globular	PB,CL,IR,RRR,*14..16
Jul 08 2004	8"	25mmPL	VERY CLEAR NIGHT - LEFT AT 1:00AM	
Jul 15 2006	8"	19mmW	CF,PS,R-F,LITTLE BRIGHTER, DIM STARS	

Herschel 2500 Observations

H584-2	NGC 6235	Oph	Globular	PB,CL,IR,RRR,*14..16
Jul 15 2006	8"	19mmW	CF,PS,R-F,LITTLE BRIGHTER, DIM STARS	
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	
H586-2	NGC 6445	Sgr	Planetary Neb 3b+3	PB,PS,R,GBM,R,*15NP
Jul 09 2005	8"	11mmT6	MB,ML,MSB,R=G	
H587-2	NGC 6426	Oph	Globular	VF,CL,E,VLBM
Jul 09 2005	8"	11mmT6	VF,VS,R=F	
Sep 19 2014	12"	17mmAT	5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14	
H588-2	NGC 665	Psc	Galaxy (R)S0^?	F,S,LE,BM,R
Nov 10 2007	31"	17mmT4	PB,PL,OVAL,BNUC,R=G	
H590-2	NGC 7458	Psc	Galaxy E	CF,CS,PSBM
Sep 19 2014	18"	8mm Ds	PF,PS,R,FNUC,R=G, WRO - 9/19/14	
H590-3	NGC 1954	Lep	Galaxy SA(rs)bc pec:	VF,S,R,SMBM
Nov 22 2006	8"	11mmT6	PF,S,OVAL,NND,AV,R=F	
H591-2	NGC 14	Peg	Galaxy (R)IB(s)m pec	VF,PS,R,GLBM
Oct 06 2004	8"	11mmT6	EF,EL,EON,NND,AV,R=F	
Oct 30 2008	16"	17mmT4	F,VS,R,NND,R=F	
H592-2	NGC 1024	Ari	Galaxy (R')SA(r)ab	PF,S,LE,BM,*11NF 1'
Sep 04 2005	8"	11mmT6	MF,ML,OVAL,NND,AV,R=F	
H593-2	NGC 1400	Eri	Galaxy SA0-	CB,PS,R,PSMBM
Nov 08 2010	12"	11mmT6	PF,CS,R,BNUC,R=G	
H595-2	NGC 7183	Aqr	Galaxy S0+ pec sp	VF,PL,E90,LBM
Sep 13 2007	31"	17mmT4	PB,PL,EON,UB,FNUC,R=G	
H595-3	NGC 193	Psc	Galaxy SAB(s)0-:	F,L,P OF2,*15CLOSESP
Oct 06 2004	8"	11mmT6	MF,EL,FNUC,R=F	
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	
H598-3	NGC 3509	Leo	Galaxy SA(s)bc pec	EF,S,(LE)
Apr 19 2007	31"	17mmT4	B,PL,EL,OVAL,FNUC,MHISB,R=G	
H599-2	NGC 7197	Lac	Galaxy Sa	F,CS,CE,VGLBM,ER
Aug 24 2012	18"	5mm TV	PF,VS,OVAL,MEXT,UB,NND,R=F	
H599-3	NGC 2595	Cnc	Galaxy SAB(rs)c	VF,PL,IF,R,D*SP2'
Apr 05 2005	8"	11mmT6	VF,VS,OVAL,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	
H600-3	NGC 3053	Leo	Galaxy SBa?	VF,S,VLE,GBM
Mar 16 2010	12"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
H601-2	NGC 1122	Per	Galaxy SBb	VF,PS,R,*NR N
Oct 25 2009	12"	7.5mmW	F,S,OVAL,PATCHY,NND,R=F	
H602-2	NGC 1129	Per	Galaxy E	CF,PS,IR,VGLBM, F*SP
Nov 09 2004	8"	7.5mmW	VF,EL,NND,AV,RF=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	
H603-2	NGC 1275	Per	Galaxy Pec	F,S
Nov 09 2004	8"	7.5mmW	VF,EL,NND,AV,R=F	

Herschel 2500 Observations

H603-2	NGC 1275	Per	Galaxy Pec	F,S
Nov 09 2004	8"	7.5mmW	VF,EL,NND,AV,R=F	
Nov 10 2012	18"	7mm TV	PF,PS,R,FNUC,MSB,R=F	
Nov 11 2009	12"	7.5mmW	PF,PS,R,FNUC,R=F	
Oct 07 2010	12"	7mm TV	PF,PS,R,FNUC,R=F	
H604-2	NGC 818	And	Galaxy SABc:	PB,CL,LE,MBM
Nov 21 2006	8"	11mmT6	VF,S,OVAL,NND,AV,R=F	
H604-3	NGC 845	And	Galaxy Sb	VF,IF,STELLAR
Oct 10 2012	18"	8.8 ES	F,S,EON,UB,ND,R=F	
H605-2	NGC 828	And	Galaxy Sa: pec	PB,S,IR,D*F15S
Nov 21 2006	8"	11mmT6	VF,S,OVAL,NND,AV,R=F	
H606-2	NGC 7231	Lac	Galaxy SBa	EF,S,ER
Aug 24 2012	18"	5mm TV	PF,VS,EON,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	
H607-3	NGC 2562	Cnc	Galaxy S0/a:	VF,CS,R
Mar 20 2007	8"	11mmT6	VF,VS,OVAL,NND,AV,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	
H609-2	NGC 252	And	Galaxy (R)SA(r)0+:	PB,S,R,PMBM,R,**P
Aug 24 2012	18"	5mm TV	PF,PS,OVAL,FNUC,R=F	
Sep 09 2010	12"	5.5mmN	PF,PS,OVAL,FNUC,MSB,R=F,PA=130	
H610-2	NGC 661	Tri	Galaxy E+:	F,S,R,BM,R
Nov 24 2006	31"	20mmUW	VB,CL,OVAL,BNUC,R=G	
H610-3	NGC 4705	Vir	Galaxy SAB(s)bc: sp	CF,PL,LE
May 18 2014	18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F	
H611-2	NGC 670	Tri	Galaxy SA0	F,S,LE
Nov 24 2006	31"	20mmUW	PB,CL,EON,FNUC,R=G	
H611-3	NGC 4725	Com	Galaxy SAB(r)ab pec	VB,VL,E,VG,VSVMBMEBN
May 17 2005	31"	11mmT6	PB,PL,OVAL,FNUC,MSB,R=G	
H612-2	NGC 684	Tri	Galaxy Sb sp	F,VLE,*13F100"
Nov 24 2006	31"	20mmUW	CB,CL,EON,UB,FNUC,R=G	
H612-3	NGC 3952	Vir	Galaxy IBm: sp	CF,CS,LE90,BM,R
Mar 08 2010	12"	11mmT6	PF,PS,EON,UB,NND,R=F	
H613-2	NGC 855	Tri	Galaxy E	F,S,LE90,BM
Nov 09 2004	8"	11mmT6	VF,EL,EON,NND,AV,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	
H617-2	NGC 691	Ari	Galaxy SA(rs)bc	F,CL,VGLBM
Sep 04 2005	8"	7.5mmW	VF,VS,OVAL,NND,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	
H621-2	NGC 259	Cet	Galaxy Sbc: sp	F,S,E135,LBM
Nov 28 2010	12"	7mm TV	CF,CS,EON,UB,NND,R=F,AV1,PA=160	

Herschel 2500 Observations

H621-2	NGC 259	Cet	Galaxy Sbc: sp	F,S,E135,LBM
Nov 28 2010	12"	7mm TV	CF,CS,EON,UB,NND,R=F,AV1,PA=160	
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	
H625-2	NGC 4348	Vir	Galaxy SAbc: sp	F,PL,E70,VLBM
Mar 30 2014	18"	7mm TV	PF,PS,EON,UB,NND,R=F,PA=40	
H626-2	NGC 3604	Leo	Galaxy	PB,S,LE,MBM
May 13 2007	8"	11mmT6	VF,PS,R,NND,AV,R=F	
H627-2	NGC 2545	Cnc	Galaxy (R)SB(r)ab	F,S,LE45,*8NP4'
Mar 20 2007	8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F	
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	
H634-2	NGC 2563	Cnc	Galaxy S0^:	CF,S,R,BM
Mar 15 2005	8"	11mmT6	VF,VS,EON,OVAL,NND,AV,R=F	
H636-2	NGC 4597	Vir	Galaxy SB(rs)m	F,VL,BM
Apr 08 2005	8"	7.5mmW	VF,VS,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	
H638-3	NGC 6146	Her	Galaxy E?	CF,VS,R,BM
Oct 17 2004	8"	7.5mmW	VF,EL,NND,AV,R=F	
H639-2	NGC 3158	LMi	Galaxy E3:	CB,CS,R,PSBM,R
Mar 20 2007	8"	11mmT6	VF,VS,R,NND,AV,R=F	
H640-3	NGC 6173	Her	Galaxy E	CF,VS,R,BM
Oct 17 2004	8"	7.5mmW	VF,EL,FNUC,AV,R=F	
H642-2	NGC 4156	CVn	Galaxy SB(rs)b	PF,S,E,VGBM,F OF 2
Mar 29 2006	8"	11mmT6	F,PS,R,NND,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	
H646-2	NGC 5112	CVn	Galaxy SB(rs)cd	F,L,IR,VGLBM
Apr 06 2010	12"	11mmT6	DIFF,PF,PS,OVAL,NND,R=P	
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	
H657-2	NGC 6012	Ser	Galaxy (R)SB(r)ab:	F,BET 2B ST
May 30 2011	12"	7mm TV	PF,PS,OVAL,UB,NND,R=F	
H659-2	NGC 4627	CVn	Galaxy E4 pec	F,S,R,NP OF 2
May 04 2005	8"	19mmW	MF,VS,OVAL,NND,R=F	
H660-2	NGC 4625	CVn	Galaxy SAB(rs)m pec	PF,S,R
Apr 06 2010	12"	11mmT6	PF,CS,OVAL,NND,AV,R=P	
Apr 14 2010	16"	11mmT6	PF,PS,R,UB,NND,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

Herschel 2500 Observations

H665-2	NGC 5103	CVn	Galaxy S?	PB,CS,E
Mar 28 2011	12"	7mm TV	PF,VS,OVAL,UB,NND,R=F	
H667-2	NGC 5145	CVn	Galaxy S?	PB,VS,VLE,GLBM
Apr 06 2010	12"	11mmT6	PF,CS,OVA,UB,NND,R=F	
H671-3	NGC 5716	Lib	Galaxy SB(rs)c?	VF,PL,R
May 28 2006	31"	19mmW	CF,PS,OVAL,NND,R=F	
H672-3	NGC 5173	CVn	Galaxy E0:	F,VS,R,STELLAR
Apr 06 2010	12"	11mmT6	VF,VS,OVAL,NND,AV,R=P	
H674-2	NGC 5630	Boo	Galaxy Sdm:	F,S,E90,GBM
Jul 05 2016	12"	7mm TV	PF,PS,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	
May 21 2009	16"	11mmT6	PF,PS,OVAL,UB,NND,R=F	
H680-3	NGC 6154	Her	Galaxy SB(r)a	VF,S,R,LBM,ER
Oct 17 2004	8"	7.5mmW	VF,EL,OVAL,NND,AV,R=F	
H683-2	NGC 5792	Lib	Galaxy SB(rs)b	PB,PL,R,MBM,*8,9NP1'
Jul 03 2005	8"	11mmT6	VF,VS,EON,NND,R=F	
H685-3	NGC 5515	Boo	Galaxy Sab	VF,S,VLE
Jul 05 2016	12"	7mm TV	VF,VS,OVAL,UB,NND,AV,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	
H687-3	NGC 5754	Boo	Galaxy SB(rs)b	CF,CS,R,BM
Jun 05 2011	31"	17mmT4	PF,S,R,FNUC,HSB,R=G	
H689-2	NGC 5198	CVn	Galaxy E1-2:	PF,PS,R,MBM
Apr 06 2010	12"	11mmT6	PF,CS,R,UB,NND,R=F	
H689-3	NGC 6255	Her	Galaxy SBcd:	EF,CL,E90
Oct 17 2004	8"	7.5mmW	MB,EL,FNUC,R=G	
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	
H690-3	NGC 5757	Lib	Galaxy (R)SB(r)b	VF,S,IR,LBM
May 29 2006	31"	19mmW	F,PS,OVAL,NND,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	
H693-3	NGC 7180	Aqr	Galaxy S0^?	VF,S,R,LBM,P OF 2
Sep 13 2007	31"	17mmT4	PB,PS,EL,OVAL,FNUC,MSB,R=G	
H694-2	NGC 5602	Boo	Galaxy Sa	PF,PS,LE,MBM
May 21 2009	16"	11mmT6	CF,PS,OVAL,NND,R=F	
H694-3	NGC 1343	Cas	Galaxy SAB(s)b: pec	F,VS,IR,GBM,D*V NR
Oct 31 2010	12"	5.5mmN	PF,CS,OVAL,MEXT,UB,NND,R=F. TWO STARS AT WEST EDGE.	

Herschel 2500 Observations

H694-3	NGC 1343	Cas	Galaxy SAB(s)b: pec	F,VS,IR,GBM,D*V NR
Oct 31 2010	12"	5.5mmN	PF,CS,OVAL,MEXT,UB,NND,R=F. TWO STARS AT WEST EDGE.	
Sep 12 2010	12"	5.5mmN	CF,CS,OVAL,UB,NND,R=F,PA=110	
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	
H697-3	NGC 4183	CVn	Galaxy SA(s)cd? sp	VF,CL,ME170
Mar 16 2012	18"	8.8 ES	PF,S,EON,UB,NND,R=F,A.L. FLAT GALAXY	
H699-3	NGC 5355	CVn	Galaxy S0?	VF,PS,4TH OF 4
May 12 2005	31"	19mmW	MB,ML,EL,OVAL,FNUC,R=G	
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	
H701-2	NGC 6207	Her	Galaxy SA(s)c	PB,PL,E45,VGMBM
Jul 16 2007	16"	11mmT6	PF,PS,EL.OVAL,FNUC,R=F	
Jun 03 2005	31"	19mmW	VB,ML,OVAL,FNUC,HISB,R=G	
Mar 18 2007	8"	11mmT6	PF,L,OVAL,NND,R=F	
Sep 12 2004	8"	11mmT6	F,S,EL, NND,AV,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	
H706-2	NGC 7538	Cep	Nebula E	VF,L,2PB*INV
Nov 28 2010	12"	11mmT6	PF,PS,R=F,HINT OF NEBULOSITY, OIII FILTER	
H707-2	NGC 185	Cas	Galaxy E3 pec	PB,VL,IR,VGMBM,R
Aug 21 2004	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
Jul 23 2006	8"	11mmT6	VF,PL,OVAL,NND,AV,R=F	
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	
H711-3	NGC 2552	Lyn	Galaxy SA(s)m?	EF,CL,LE45
Nov 10 2012	18"	7mm TV	DIFF,PF,S,OVAL,UB,NND,R=F	
H713-2	NGC 5350	CVn	Galaxy SB(r)b	CF,PL,BM,*7P,1ST OF4
May 12 2005	31"	19mmW	VB,ML,OVAL,FNUC,MSB,R=G	
H714-2	NGC 5353	CVn	Galaxy S0 sp	PB,S,R,2ND OF 4
May 12 2005	31"	19mmW	VB,ML,OVAL,BNUC,PHISB,R=G	
H715-2	NGC 5354	CVn	Galaxy S0 sp	PF,S,R,3RD OF 4
May 12 2005	31"	19mmW	VB,ML,OVAL,BNUC,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	

Herschel 2500 Observations

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	
H722-3	NGC 4708	Vir	Galaxy SA(r)ab pec?	EF,S
May 18 2014	18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F, MEGASTAR SAYS 14.5 MAG.	
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	
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	
H730-2	NGC 3726	UMa	Galaxy SAB(r)c	PB,VL,LE0,VSMBM,*11N
Mar 17 2007	8"	11mmT6	PF,PL,OVAL,NND,R=F	
H730-3	NGC 6186	Her	Galaxy (R')SB(s)a	EF,VS,E
May 21 2009	16"	11mmT6	PF,PS,OVAL,UB,NND,R=F	
H731-3	NGC 5536	Boo	Galaxy SBa	CF,VS,R,SP OF 2
May 22 2006	31"	19mmW	PB,CS,R,NND,R=G	
H732-3	NGC 5541	Boo	Galaxy S?	CF,S,R,GBM,NF OF 2
May 22 2006	31"	19mmW	CB,PL,OVAL,FNUC,R=G	
H733-2	NGC 4013	UMa	Galaxy S_b sp	B,CL,ME62,VSVMBM*10
Mar 01 2011	12"	11mmT6	PF,PS,EON,BNUC,R=G	
H733-3	NGC 5598	Boo	Galaxy S0	F,VS,R,BM
May 22 2006	31"	19mmW	PB,PL,OVAL,NND,R=G	
H734-2	NGC 2326	Lyn	Galaxy SB(rs)b	VF,PL,IR,PSMBM,ST P
Nov 10 2012	18"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F	
H734-3	NGC 5603	Boo	Galaxy S0	CF,PS,R,GBM
May 22 2006	31"	19mmW	F,PL,R,NND,R=F	
H735-3	NGC 6241	Her	Galaxy Sc	EF,PS
Jul 16 2009	16"	17mmT4	CF,PS,R,UB,NND,R=F	
H736-2	NGC 2340	Lyn	Galaxy E	PF,S,R,GLBM,R
Feb 01 2005	31"	17mmT4	MB,ML,EL,OVAL,FNUC,MSB,R=G	
Nov 16 2012	18"	7mm TV	PF,PS,OVAL,UB,NND,R=F	
H736-3	NGC 5878	Lib	Galaxy SA(s)b	PB,PL,PME0,PSMBM
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	
H738-2	NGC 3893	UMa	Galaxy SAB(rs)c:	B,PL,R,MBM
Mar 17 2007	8"	11mmT6	VF,PS,OVAL,NND,AV,R=F	
H738-3	NGC 5989	Dra	Galaxy Scd?	VF,VS
Aug 15 2015	12"	8mm Ds	VF,PS,OVAL,UB,NND,R=F	
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	
H740-3	NGC 6140	Dra	Galaxy SB(s)cd pec	CF,PL,IR
Sep 07 2005	8"	11mmT6	VF,VS,OVAL,NND,AV,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	
H741-3	NGC 6434	Dra	Galaxy SBbc:	VF,VS,R,STELLAR,*8S
Sep 05 2010	12"	5.5mmN	PF,CS,OVAL,PEXT,NND,R=F,PA=160	
H742-2	NGC 4248	CVn	Galaxy I0? sp	VF,S,PME,PSBM
Mar 26 2009	16"	17mmT4	VF,VS,OVAL,NND,AV,R=F	

Herschel 2500 Observations

H742-2	NGC 4248	CVn	Galaxy I0? sp	VF,S,PME,PSBM
Mar 26 2009	16"	17mmT4	VF,VS,OVAL,NND,AV,R=F	
H742-3	NGC 6742	Dra	Planetary Neb 2c	VF,STELLAR
Sep 05 2010	12"	5.5mmN	CF,CS,R=F. NO CENTRAL STAR NOTED. OIII ADDS NOTHING.	
H743-3	NGC 6781	Aql	Planetary Neb 3+3	PLN,F,L,R,VSBM DISC
Aug 07 2016	12"	8mm Et	PF,PS,R=G., LP3. LITTLE RING.	
Oct 06 2004	8"	11mmT6	MB,OVAL,HISB,R=G	
Sep 13 2009	12"	32mmUW	8TH OBJECT	
Sep 19 2014	12"	11mmT6	F,PL,OVAL,R=G, LP-2, 3 STARS INSIDE, HOME - 9/14/14	
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	
H747-3	NGC 1961	Cam	Galaxy SAB(rs)c	CF,PL,IF,MBM,ER,*INV
Nov 03 2004	8"	11mmT6	VF,EL,OVAL,NND,AV,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	
H749-2	NGC 4389	CVn	Galaxy SB(rs)bc pec:	PB,PL,IE,VGLBM
Apr 06 2010	12"	11mmT6	VF,CS,OVAL,NND,AV,R=F	
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	
H755-3	NGC 4403	Vir	Galaxy SA(r)ab pec sp	VF,VS,E
Mar 30 2014	18"	7mm TV	PF,PS,OVAL,PEXT,UB,NND,R=F,PAIRED W/NGC-4404	
H756-3	NGC 4404	Vir	Galaxy SA(r)0- pec:	VF,VS,E
Mar 30 2014	18"	7mm TV	PF,PS,OVAL,UB,NND,R=F,PAIRED W/NGC-4403	
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	
H757-3	NGC 4520	Vir	Galaxy SA0- pec sp	VF,S,2VS*INV
May 14 2007	31"	17mmT4	PF,PS,OVAL,UB,FNUC,R=F	
H758-2	NGC 5905	Dra	Galaxy SB(r)b	PF,PS,IR
Aug 06 2010	12"	7mm TV	DIFF,PF,PS,R,UB,NND,R=F	
H759-2	NGC 5907	Dra	Galaxy SA(s)c: sp	CB,VL,VME155,VGPSBMN
Jul 23 2006	8"	11mmT6	PF,PS,EON,VFNUC,R=F	
Jun 07 2010	12"	7.5mmW	PF,PL,EON,FNUC,FAINT BULGE,R=G	

Herschel 2500 Observations

H759-2	NGC 5907	Dra	Galaxy SA(s)c: sp	CB,VL,VME155,VGPSBMN
Jun 07 2010	12"	7.5mmW	PF,PL,EON,FNUC,FAINT BULGE,R=G	
H760-2	NGC 5908	Dra	Galaxy SA(s)b: sp	PF,PS,R
Aug 06 2010	12"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F	
H761-2	NGC 5963	Dra	Galaxy S pec	PF,PS,IF
Aug 06 2010	12"	7mm TV	PF,CS,OVAL,MEXT,UB,NND,R=F	
H762-2	NGC 5965	Dra	Galaxy Sb	CF,CL,LE
Aug 06 2010	12"	7mm TV	CF,CS,EON,UB,NND,R=F	
H763-2	NGC 5894	Dra	Galaxy SBdm?	PF,PS,E0
Aug 06 2010	12"	7mm TV	VF,FS,PEXT,UB,NND,AV,R=F	
H763-3	NGC 5618	Vir	Galaxy SB(rs)c	EF,S
Apr 28 2006	31"	19mmW	PF,PS,OVAL,NND,R=F	
H764-2	NGC 5982	Dra	Galaxy E3	CB,S,R,PSBM,R
Apr 13 2005	8"	11mmT6	VF,VS,OVAL,NND,R=F	
Aug 15 2015	12"	8mm Ds	F,PS,OVAL,FNUC,R-F	
H765-2	NGC 5987	Dra	Galaxy Sb	PF,CS
Aug 06 2010	12"	7mm TV	PF,PS,OVAL,PEXT,FNUC,MSB,R=G	
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	
H768-2	NGC 1569	Cam	Galaxy IBm	PB,S,LE,BNM,*9.5N1'
Oct 12 2012	18"	7mm TV	PF,PS,OVAL,PEXT,FNUC,R=G,DISTURBED NE CORNER,PA=45	
H768-3	NGC 3657	UMa	Galaxy SAB(rs)c pec	CF,VS,R,STELLAR
May 30 2014	18"	8mm Ds	PF,PS,R,UB,NND,R=F	
H769-2	NGC 2339	Gem	Galaxy SAB(rs)bc	PB,PL,R,GLBM
Dec 15 2004	8"	11mmT6	VF,OVAL,NND,AV,R=F	
H771-2	NGC 4504	Vir	Galaxy SA(s)cd	PB,CL,IE,GVLBM,ER
May 14 2007	31"	17mmT4	DIFF,PF,PL,OVAL,NND,R=F	
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
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	
H782-2	NGC 3656	UMa	Galaxy (R')I0: pec	PB,S,R,VGBM,*12P
May 30 2014	18"	8mm Ds	PF,PS,R,UB,NND,R=F	
H783-2	NGC 3738	UMa	Galaxy Im	PB,PL,BM
Jun 22 2012	18"	8.8 ES	B,PS,OVAL,MEXT,UB,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	
H785-2	NGC 3888	UMa	Galaxy SAB(rs)c	PB,S,LE,PGBM
Mar 17 2007	8"	11mmT6	PF,PS,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,CONNM101
Mar 01 2011	12"	11mmT6	BRIGHT SPOT SE SIDE - KNOT IN GALAXY	

Herschel 2500 Observations

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	
H806-3	NGC 5777	Dra	Galaxy Sb	VF,VS,LE
May 23 2012	18"	11mmT6	PF,PS,EON,UB,NND,R=F, PA=100	
H807-2	NGC 5667	Dra	Galaxy Scd: pec	PB,PS,E0
Aug 15 2015	12"	8mm Ds	PF,PS,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	
H812-2	NGC 6338	Dra	Galaxy S0	F,S,R,VGLBM
Apr 29 2011	12"	5mm TV	VF,CS,OVAL,UB,NND,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	
H822-2	NGC 2426	Lyn	Galaxy E	CF,R,VGBM,R,*8P
Nov 10 2012	18"	7mm TV	PF,PS,OVAL,UB,NND,R=F	
H824-3	NGC 3497	Crt	Galaxy SA(s)0^:	VF,VS,IR,GLBM
Apr 14 2016	12"	8mm Ds	VF,PS,OVAL,NND,AV,R=F, LOW ON HORIZON	
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	
H829-3	NGC 2431	Lyn	Galaxy (R')SB(s)a:	EF,VS,R,BM
Feb 01 2005	31"	17mmT4	MB,EL,OVAL,NND,R=G	
H830-3	NGC 2474	Lyn	Galaxy E0	F,PS,(E),(BMVS*)L*NF
Nov 10 2012	18"	7mm TV	VF,VS,R,UB,NND,R=F, PAIRED W/NGC-2475	
H836-3	NGC 2469	Lyn	Galaxy Sbc pec:	F,VS,R,*9SF
Nov 10 2012	18"	7mm TV	PF,VS,OVAL,UB,NND,R=F	
H837-3	NGC 2488	Lyn	Galaxy S0-:	VF,VS,R,GLBM
Nov 10 2012	18"	7mm TV	PF,PS,OVAL,UB,NND,R=F	
H838-3	NGC 2497	Lyn	Galaxy E?	EF,VS
Nov 10 2012	18"	7mm TV	PF,PS,R,UB,NND,R=F	
H839-3	NGC 2505	Lyn	Galaxy SBa	EF,VS
Nov 10 2012	18"	7mm TV	PF,PS,OVAL,VEXT,UB,NND,R=F,PA=90	
H840-3	NGC 2534	Lyn	Galaxy E1? pec	PF,PL,R,PSBM,*8S
Nov 10 2012	18"	7mm TV	PF,PS,R,FNUC,R=F	
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	
H847-2	NGC 4332	Dra	Galaxy SB(s)a	PF,S,VLE,VGBM

Herschel 2500 Observations

H847-2	NGC 4332	Dra	Galaxy SB(s)a	PF,S,VLE,VGBM
Jul 14 2010	12"	7.5mmW	CF,PS,OVAL,UB,NND,R=F	
H848-2	NGC 4441	Dra	Galaxy SAB0+ pec	PB,S,IR,BM
Jul 14 2010	12"	7.5mmW	VF,PS,R,NND,AV,R=P	
H849-2	NGC 4521	Dra	Galaxy S0/a	PB,S,PME,PGBM,*P12S
Aug 31 2010	12"	7mm TV	CF,PS,EON,UB,NND,R=G. PA=195	
H850-2	NGC 4545	Dra	Galaxy SB(s)cd:	F,L,IR,VGBM,S*NF
Feb 23 2006	31"	17mmT4	PB,PL,OVAL,FNUC,PHISB,R=G	
H850-3	NGC 4210	Dra	Galaxy SB(r)b	PF,PS,R,VGBM
Aug 31 2010	12"	7mm TV	VF,PS,R,NND,R=F	
H852-3	NGC 4391	Dra	Galaxy SA0-:	CF,S,R,SBM,***SP
Jul 14 2010	12"	7.5mmW	CF,VS,R,UB,NND,R=F	
H853-2	NGC 29	And	Galaxy SAB(s)bc:	PB,PL,E0
Sep 09 2010	12"	5.5mmN	CF,PS,OVAL,PEXT,UB,NND,R=F,PA=45	
H853-3	NGC 3073	UMa	Galaxy SAB0-	VF,S,VGLBM
Mar 28 2011	12"	5mm TV	VF,VS,R,UB,NND,AV,R=F	
H854-2	NGC 128	Psc	Galaxy S0 pec sp	PB,PS,LE2,BM
Oct 09 2007	8"	11mmT6	PB,PS,OVAL,UB,NND,R=F	
H855-2	NGC 132	Cet	Galaxy SAB(s)bc	PF,CL,R,VGLBM,R
Nov 28 2010	12"	7mm TV	PF,PS,OVAL,UB,NND,R=F,PA=30	
H855-3	NGC 7805	Peg	Galaxy SAB0^: pec	EF,S,R,SBM,SP OF 2
Nov 02 2005	31"	19mmW	PB,PL,OVAL,FNUC,MSB,R=G	
H856-2	NGC 194	Psc	Galaxy E	PB,S,R,VGBM
Oct 06 2004	8"	11mmT6	MF,EL,NND,AV,R=F	
H856-3	NGC 7806	Peg	Galaxy SA(rs)bc? pec	EF,S,R,NF OF 2,STELL
Nov 02 2005	31"	19mmW	PB,PL,EL,OVAL,FNUC,MSB,R=G	
H857-2	NGC 198	Psc	Galaxy SA(r)c	F,S,VGBM
Nov 10 2007	31"	17mmT4	PB,PL,R,NND,UB,R=F	
H858-2	NGC 200	Psc	Galaxy SB(s)bc	PB,S,VGBM
Nov 10 2007	31"	17mmT4	PB,PL,OVAL,UB,NND,R=F	
H858-3	NGC 7046	Equ	Galaxy SB(rs)cd	EF,PL,R,LBM
Sep 19 2014	18"	8mm Ds	VF,PS,OVAL,UB,NND,R=F, WRO - 9/19/14	
H859-3	NGC 7081	Aqr	Galaxy Sb pec?	F,S,R,MBM,*14S
Sep 13 2007	31"	17mmT4	PB,PL,R,UB,NND,R=G	
H860-2	NGC 196	Cet	Galaxy SB0 pec:	F,PS,R,PSMBM
Nov 28 2010	12"	7mm TV	CF,PS,OVAL,UB,NND,R=F	
H860-3	NGC 7680	Peg	Galaxy S0-:	VF,S,R,LBM,R
Sep 04 2005	8"	7.5mmW	VF,VS,R,FNUC,AV,R=F	
H861-2	NGC 2320	Lyn	Galaxy E	PB,S,IR,GBM,*8SP
Nov 10 2012	18"	7mm TV	PF,PS,OVAL,FNUC,R=F	
H861-3	NGC 39	And	Galaxy SA(rs)c	VF,PS,R
Oct 12 2012	18"	7mm TV	VF,PS,R,UB,NND,AV,R=P	
H862-2	NGC 2332	Lyn	Galaxy S0:	F,S,R,PSBM
Nov 10 2012	18"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F	
H862-3	NGC 7223	Lac	Galaxy SB(rs)bc	EF,PS,LE,R,AM3ST
Aug 24 2012	18"	5mm TV	DIFF,VF,PS,OVAL,UB,AV2,R=F	
H863-2	NGC 257	Psc	Galaxy Scd:	PL,LE,GBM,R
Nov 28 2010	12"	7mm TV	PF,PS,OVAL,UB,NND,R=F	

Herschel 2500 Observations

H863-2	NGC 257	Psc	Galaxy Scd:	PL,LE,GBM,R
Nov 28 2010	12"	7mm TV	PF,PS,OVAL,UB,NND,R=F	
H863-3	NGC 7248	Lac	Galaxy SA0-:	VF,VS,MBM
Aug 24 2012	18"	5mm TV	PF,VS,OVAL,FNUC,R=F,	
H864-3	NGC 7250	Lac	Galaxy Sdm?	VF,S,ME165
Aug 24 2012	18"	5mm TV	VF,VS,OVAL,MEXT,UB,NND,AV2,R=F, STAR AT NE TIP	
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	
H865-3	NGC 1985	Aur	Nebula R	CF,S,R,PSBM
Nov 21 2006	8"	11mmT6	F,S,R=P	
H866-2	NGC 4106	Hya	Galaxy SB(s)0+	PF,PS,R,PGBM, F OF 2
Mar 28 2011	12"	7mm TV	PF,CS,OVAL,UB,NND,R=F	
H866-3	NGC 13	And	Galaxy (R)Sab:	VF,VS,S ST+NEB
Aug 24 2012	18"	5mm TV	VF,PS,OVAL,VEXT,UB,NND,R=F	
Oct 17 2004	8"	7.5mmW	MF,EL,EON,NND,AV,R=G	
H867-3	NGC 7797	Psc	Galaxy Sbc	EF,PS,IR,LBM
Sep 19 2014	18"	8mm Ds	VF,PS,R,UB,NND,AV,R=F	
H868-3	NGC 12	Psc	Galaxy SAB(rs)c:	EF,PL,VGLBM
Dec 12 2012	36"	17mmT4	PF,PS,R,NND,R=F,15TH MAG STAR TO WEST,BRIGHTER TOWARDS THE MIDDLE.	
Nov 28 2010	12"	7mm TV	VF,CS,R,UB,NND,R=F,AV2	
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	
H870-3	NGC 182	Psc	Galaxy (R')SAB(rs)a p:	VF,S,IR,VGBM
Oct 07 2010	12"	5.5mmN	VF,VS,OVAL,UB,NND,R=F,AV-5,PA=100	
H871-3	NGC 173	Cet	Galaxy SA(rs)c	VF,S,R,VGBM,*11SP1'
Nov 28 2010	12"	5.5mmN	CF,PS,OVAL,UB,NND,R=F,PA=100	
H872-3	NGC 192	Cet	Galaxy (R')SB(r)a:	F,PS,PME,BM
Nov 28 2010	12"	7mm TV	PF,PS,EON,FNUC,R=F,PA=175	
H873-2	NGC 6048	UMi	Galaxy E	F,R,BM
Sep 02 2016	12"	8mm Et	PF,PS,OVAL,NND,R=F	
H873-3	NGC 201	Cet	Galaxy SAB(r)c	VF,CL,E,VGLBM
Nov 28 2010	12"	7mm TV	CF,PS,OVAL,UB,NND,R=F,AV1	
H874-2	NGC 5928	Ser	Galaxy S0	PB,CS,R,PSBM,*7N
May 30 2011	12"	7mm TV	PF,CS,R,UB,NND,R=F	
H874-3	NGC 2322	Lyn	Galaxy SBa:	VF,VS,LE
Nov 10 2012	18"	7mm TV	PF,VS,OVAL,VEXT,HSB,R=G	
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	
H876-2	NGC 5492	Boo	Galaxy Sb pec?	PB,VS,E
Jun 03 2005	31"	11mmT6	MB,ML,EL,EON,NND,R=G	
H876-3	NGC 180	Psc	Galaxy SB(rs)bc	VF,PL,IR,*NP INV
Nov 28 2010	12"	7mm TV	DIFF,CF,PS,OVAL,UB,NND,R=F	
H877-2	NGC 5513	Boo	Galaxy S0	PB,PL,IR
Jun 03 2005	31"	11mmT6	MB,MS,EL,FNUC,MSB,R=G	
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

Herschel 2500 Observations

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
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	
H880-2	NGC 3654	UMa	Galaxy S?	F,S,LE15
May 30 2014	18"	8mm Ds	PF,PS,OVAL,MEXT,UB,NND,R=F	
H881-2	NGC 3879	Dra	Galaxy Sdm:	F,PL,ME105
Feb 23 2006	31"	17mmT4	FB,FL,EON,FNUC,MSB,R=G	
H882-2	NGC 3225	UMa	Galaxy Scd:	CF,PL,LE,VGBM
Mar 28 2011	12"	5mm TV	VF,VS,OVAL,NND,AV,R=F	
H884-3	NGC 6079	UMi	Galaxy E	VF,VS
Aug 15 2015	12"	8mm Ds	VF,VS,OVAL,UB,NND,R=F	
Aug 31 2010	12"	7mm TV	CF,PS,OVAL,NND,R=F. PA=90	
H886-2	NGC 3674	UMa	Galaxy S0 sp	PF,IF
May 30 2014	18"	8mm Ds	PF,PS,OVAL,EEXT,UB,NND,R=F,PA=25	
H887-2	NGC 3435	UMa	Galaxy Sb	CF,PS,LE,VGBM
May 30 2014	18"	8mm Ds	VF,PS,OVAL,UB,NND,R=F	
H891-2	NGC 5652	Vir	Non-Existent	PB,PL,VLE,BM
Apr 28 2006	31"	19mmW	F,S,OVAL,UB,NND,R=F	
H892-2	NGC 5661	Vir	Galaxy SBb:	VF,PS,IE
Apr 29 2006	31"	19mmW	CF,PS,EON,NND,R=F	
H895-2	NGC 5257	Vir	Galaxy SAB(s)b pec	VF,S,R,BM,P OF DNEB
May 23 2012	18"	8.8 ES	PF,CS,OVAL,MEXT,FNUC,R=G,PA=135, PAIRED WITH NGC-5258, NO INTERATION VISIBLE	
H896-2	NGC 5258	Vir	Galaxy SA(s)b: pec	F,S,IR,F OF DNEB
May 23 2012	18"	8.8 ES	PF,PS,OVAL,MEXT,FNUC,R=G,PA=45, PAIRED W/NGC-5257, NO INTERATION VISIBLE	
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	
H898-3	NGC 2289	Gem	Galaxy S0	EF,VS
Sep 24 2016	12"	17mmT4	B,L,R=E. CAROLINE'S ROSE.	
H901-2	NGC 6389	Her	Galaxy Sbc	F,S,IF,ER
May 21 2009	16"	11mmT6	CF,PS,OVAL,UB,NND,R=F	
H902-2	NGC 6555	Her	Galaxy SAB(rs)c	F,L,R,VGLBM
Mar 18 2007	8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F	
H903-2	NGC 3061	Dra	Galaxy (R')SB(rs)c	VF,PL,RESOLVABLE
Sep 09 2010	12"	5.5mmN	VF,CS,R,NND,AV,R=F	
H903-3	NGC 4034	Dra	Galaxy Scd:	EF,S,IF,GVLBM
Jul 13 2013	18"	7mm TV	VF,PS,OVAL,MEXT,UB,NND,R=F	
H904-2	NGC 3523	Dra	Galaxy Sbc	F,PL,LBM,
Feb 23 2006	31"	17mmT4	DIFF,B,ML,R,NND,R=F	
Jul 13 2013	18"	7mm TV	VF,PS,R,UB,NND,AV,R=F	
H904-3	NGC 4120	Dra	Galaxy SA(rs)cd:	EF,VS,E
Jul 13 2013	18"	7mm TV	VF,PS,EON,UB,NND,R=F	

Herschel 2500 Observations

H904-3	NGC 4120	Dra	Galaxy SA(rs)cd:	EF,VS,E
Jul 13 2013	18"	7mm TV	VF,PS,EON,UB,NND,R=F	
H905-2	NGC 3752	Dra	Galaxy Sab	PB,PL
Jul 13 2013	18"	7mm TV	PF,PS,OVAL,MEXT,NND,R=F	
H905-3	NGC 3961	Dra	Galaxy (R)SB(r)a:	EF,VS
Feb 23 2006	31"	17mmT4	FB,FL,OVALM,FNUC,MSB,R=G	
Jul 13 2013	18"	7mm TV	VF,VS,OVAL,NND,AV2,R=F	
H906-2	NGC 5949	Dra	Galaxy SA(r)bc?	F,S,LE45,VGLBM
Aug 06 2010	12"	7mm TV	PF,CS,OVAL,UB,NND,R=F	
H906-3	NGC 4693	Dra	Galaxy Sd	VF,PLE
Feb 23 2006	31"	17mmT4	MB,ML,EON,UB,NND,R=G	
H907-2	NGC 6646	Lyr	Galaxy Sa	F,S,IF
Aug 16 2009	31"	17mmT4	PF,PS,OVAL,UB,NND,R=G	
H907-3	NGC 4749	Dra	Galaxy Sb? sp	VF,CL,E135
Feb 23 2006	31"	17mmT4	MB,ML,EON,UB,NND,R=G	
H908-3	NGC 4857	Dra	Galaxy SABb	EF,VS,IR,VLBM
Feb 23 2006	31"	17mmT4	PB,FL,OVAL,FNUC,MSB,R=G	
H914-3	NGC 3440	UMa	Galaxy SBb? sp	VF,S,LE
May 30 2014	18"	8mm Ds	PF,PS,EON,UB,NND,R=F,PA=50	
H927-3	NGC 5599	Vir	Galaxy Sb	F,S,LE
Apr 28 2006	31"	19mmW	F,PS,EON,NND,R=F	
H930-3	NGC 7165	Aqr	Galaxy SB(r)ab	EF
Sep 13 2007	31"	17mmT4	PB,PS,R,UB,NND,R=F	
H933-3	NGC 7251	Aqr	Galaxy (R')SA(rs)a?	F,PS,R,GPMBM
Sep 05 2007	8"	11mmT6	VF,VS,R,AV,R=F	
H939-3	NGC 4572	Dra	Galaxy S	EF,S
Feb 23 2006	31"	17mmT4	PF,FL,EON,NND,R=F	
H940-3	NGC 3890	Dra	Galaxy S?	VF,S,R,BM
Feb 23 2006	31"	17mmT4	FB,FL,R,BNUC,FHISB,R=G	
Jul 13 2013	18"	7mm TV	VF,VS,OVAL,UB,NND,AV1,R=F	
H941-3	NGC 4159	Dra	Galaxy S?	EF,PS,R,TRI2*
Apr 17 2015	18"	8mm Ds	VF,PS,OVAL,UB,NND,R=F	
H945-3	NGC 6324	UMi	Galaxy S?	VF,S,E,S*S
Sep 02 2016	12"	8mm Et	VF,VS,OVAL,NND,R=F	
H946-3	NGC 5295	Cam	Galaxy	VF,VS,R
May 25 2014	18"	8mm Ds	VF,VS,R,NND,AV3,R=P	
H949-3	NGC 5640	Cam	Galaxy Ia	EF,S,LE
May 25 2014	18"	8mm Ds	VF,VS,R,UB,NND,AV3,R=P	
H954-3	NGC 163	Cet	Galaxy E0	VF,VS
Nov 28 2010	12"	7mm TV	CF,CS,R,FNUC,R=F	
H955-3	NGC 270	Cet	Galaxy S0+	PF,VS,IR,PGBM
Nov 28 2010	12"	7mm TV	PF,PS,OVAL,FNUC,R=F,PA=15	
H957-3	NGC 6500	Her	Galaxy SAab:	VF,VS,SP OF 2
May 21 2009	16"	11mmT6	PF,PS,OVAL,FNUC,MSB,R=F	
H958-3	NGC 6501	Her	Galaxy SA0+:	VF,VS,NF OF 2
May 21 2009	16"	11mmT6	PF,PS,OVAL,FNUC,MSB,R=F	
H963-3	NGC 2938	Dra	Galaxy SB(rs)cd	EF,S,IF,D*F3'
May 23 2012	18"	8.8 ES	VF,CS,OVAL,MEXT,UB,NNE,AV2,R=F	

Herschel 2500 Observations

H963-3	NGC 2938	Dra	Galaxy SB(rs)cd	EF,S,IF,D*F3'
May 23 2012	18"	8.8 ES	VF,CS,OVAL,MEXT,UB,NNE,AV2,R=F	
H965-3	NGC 3194	Dra	Galaxy S?	VF,VS
Aug 31 2010	12"	7mm TV	CF,VS,OVAL,MEXT,UB,NND,AV,R=P. PA=170	
H966-3	NGC 3197	Dra	Galaxy Sbc	VF,VS
Jul 13 2013	18"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F	
H967-3	NGC 3465	Dra	Non-Existent	EF,PL,R,VGLBM,**NF
Feb 23 2006	31"	17mmT4	MF,FS,R,FNUC,MSB,R=F	
Jul 13 2013	18"	7mm TV	VF,PS,OVAL,MEXT,UB,NND,R=F	
H970-3	NGC 3901	Cam	Galaxy Scd:	PF,PL,RESOLVABLE
May 25 2014	18"	8mm Ds	VF,PS,OVAL,VEXT,UB,NND,R=F	
H972-3	NGC 3471	UMa	Galaxy Sa	VF,S,R,BM
Apr 09 2010	12"	11mmT6	PF,CS,OVAL,UB,NND,R=F	
H973-3	NGC 6068	UMi	Galaxy SBbc?	VF,VS,LE0,R
Sep 02 2016	12"	8mm Et	VF,VS,OVAL,NNDL,AV,R=F	
H974-3	NGC 6251	UMi	Galaxy E	CF,S,BM,P OF 2
Sep 02 2016	12"	8mm Et	VF,VS,R,NND,R=F	
H977-3	NGC 2908	Dra	Galaxy S	EF,VS
May 23 2012	18"	8.8 ES	CF,CS,R,UB,NND,AV1,R=F	
H978-3	NGC 3057	Dra	Galaxy SB(s)dm	EF,PL,VLBM,2S* S
Sep 09 2010	12"	5.5mmN	VF,CS,OVAL,R,NND,AV,R=P	
H980-3	NGC 3212	Dra	Galaxy SB?	VF,S,2ND OF 3
Jul 13 2013	18"	7mm TV	VF,PS,OVAL,MEXT,UB,NND,R=F,PAIRED W/NGC-3215	
H981-3	NGC 3215	Dra	Galaxy S?	VF,S,3RD OF 3
Jul 13 2013	18"	7mm TV	VF,PS,PEXT,UB,NND,R=F,PAIRED W/NGC-3212	
H984-3	NGC 7810	Peg	Galaxy S0	PF,STELL,2*NP INLINE
Nov 02 2005	31"	19mmW	PBML,OVAL,FNUC,MSB,R=G	