

## Herschel 400 (I) Observations

<b>H1-1</b>	<b>NGC 1055</b>	<b>Cet</b>	<b>Galaxy SBb: sp</b>	<b>PF,CL,IE80,BM,*11N1'</b>
Nov 21 2006	8"	11mmT6	PF,S,OVAL,NND,R=F	
Dec 16 2009	12"	11mmT6	PB,L,EON,UB,HSB,R=G	
<b>H1-4</b>	<b>NGC 7009</b>	<b>Aqr</b>	<b>Planetary Neb 4+6</b>	<b>PLN,VB,S,ELLIPTIC</b>
Sep 27 2005	31"	17mmT4	VB,VL,OVAL,HISB,R=G!!	
Oct 29 2006	8"	19mmW	F,VS,OVAL,R=F	
Jul 08 2004	31"	17mmT4	GREAT IN THE BIG ONE!	
Jul 08 2004	8"	25mmPL	SMALL IN 8_DOBSON	
Aug 21 2015	12"	8mm Ds		
<b>H1-6</b>	<b>NGC 2420</b>	<b>Gem</b>	<b>Open Cluster 11.0 I 1 r</b>	<b>CL,CL,RI,C,ST11...18</b>
Mar 04 2006	8"	19mmW	ML,PB,R=G	
<b>H1-8</b>	<b>NGC 2509</b>	<b>Pup</b>	<b>Open Cluster I 1 r</b>	<b>CL,B,PRI,LC,ST S</b>
Mar 13 2007	8"	19mmW	F,PL,R=F,DIM PATCH	
<b>H2-1</b>	<b>NGC 2775</b>	<b>Cnc</b>	<b>Galaxy SA(r)ab</b>	<b>CB,CL,R,VGVSBM,R</b>
Mar 15 2005	8"	11mmT6	MB,ML,OVAL,PATCH,NND,R=G	
<b>H2-5</b>	<b>NGC 4536</b>	<b>Vir</b>	<b>Galaxy SAB(rs)bc</b>	<b>B,VL,ME110,SBM,ER</b>
Apr 13 2005	8"	11mmT6	MB,ML,EL,EON,FNUC,R=G	
<b>H2-6</b>	<b>NGC 2304</b>	<b>Gem</b>	<b>Open Cluster II 1 m</b>	<b>CL,PL,RI,MC,ST VS</b>
Mar 04 2006	8"	19mmW	F,S,R=F	
<b>H2-7</b>	<b>NGC 2244</b>	<b>Mon</b>	<b>Open Cluster 7.0 II 3 r n</b>	<b>CL,BEAUTIFUL,STSC</b>
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
Mar 08 2007	1.9"	12x50	PB,S,VFAINT NEBULOSITY,R=F	
Feb 10 2005	8"	11mmT6	VB,VL,R=G	
<b>H3-1</b>	<b>NGC 3166</b>	<b>Sex</b>	<b>Galaxy SAB(rs)0/a</b>	<b>B,PS,R,PSMBM,2ND OF3</b>
Mar 13 2007	8"	11mmT6	CB,CL,OVAL,FNUC,MHISB,R=G	
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
<b>H3-2</b>	<b>NGC 157</b>	<b>Cet</b>	<b>Galaxy SAB(rs)bc</b>	<b>PB,L,E,BET2CB*</b>
Nov 03 2004	8"	11mmT6	MB,EL,NND,MSB,R=G	
<b>H3-8</b>	<b>NGC 2251</b>	<b>Mon</b>	<b>Open Cluster 9.1 III 2 m</b>	<b>CL,VL,E,RI,LC</b>
Nov 04 2007	1.9"	12x50	F,S,R=F	
Mar 29 2006	8"	19mmW	B,L,R=F	
<b>H4-1</b>	<b>NGC 3169</b>	<b>Sex</b>	<b>Galaxy SA(s)a pec</b>	<b>B,PL,VLE,PGMBM,3RD-3</b>
Mar 13 2007	8"	11mmT6	CB,CL,OVAL,FNUC,R=G	
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
<b>H4-2</b>	<b>NGC 596</b>	<b>Cet</b>	<b>Galaxy E+ pec:</b>	<b>PB,R,BM,R,*6F12'</b>
Nov 21 2006	8"	11mmT6	F,PS,OVAL,FNUC,R=G	
<b>H4-7</b>	<b>NGC 1817</b>	<b>Tau</b>	<b>Open Cluster 9.0 IV 2 r</b>	<b>CL,L,RI,LC,ST11...14</b>
Nov 09 2006	8"	19mmW	F,PS,R=F	
Nov 04 2007	1.9"	12x50	B,S,PAIR W/NGC 1807,R=F	
Dec 15 2004	8"	11mmT6	SMALL, MANY STARS R=G	
<b>H5-1</b>	<b>NGC 3655</b>	<b>Leo</b>	<b>Galaxy SA(s)c:</b>	<b>PB,PS,IR,BM,R</b>
Mar 13 2007	8"	11mmT6	VF,VS,R,NND,AV,R=F	
<b>H5-4</b>	<b>NGC 4437</b>	<b>Vir</b>	<b>Galaxy SA(s)cd: sp</b>	<b>F,EE75,*10NF</b>
May 19 2010	12"	7.5mmW	DIFF,CF,PS,EON,NND,AV,R=F	
<b>H5-5</b>	<b>NGC 4293</b>	<b>Com</b>	<b>Galaxy (R)SB(s)0/a</b>	<b>F,VL,E,LBM,R</b>
Apr 26 2006	8"	11mmT6	PB,L,EON,UB,R=F	
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
<b>H5-6</b>	<b>NGC 2194</b>	<b>Ori</b>	<b>Open Cluster 13.0 II 2 r</b>	<b>CL,L,RI,GVMCM</b>

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<b>H5-6</b>	<b>NGC 2194</b>	<b>Ori</b>	<b>Open Cluster 13.0 II 2 r</b>	<b>CL,L,RI,GVMCM</b>
Mar 29 2006	8"	11mmT6	F,S,R=F	
<b>H5-8</b>	<b>NGC 2264</b>	<b>Mon</b>	<b>Open Cluster 5.0 III 3 m n</b>	<b>15MON,CL,**,(NEB)</b>
Mar 13 2007	8"	19mmW	PB,PL,R=G	
Mar 09 2004	8"	25mmPL	COMPTER = ARGO NAVIS	
Mar 08 2007	1.9"	12x50	PB,S,R=F	
Apr 05 2004	8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**	
<b>H6-1</b>	<b>NGC 5363</b>	<b>Vir</b>	<b>Galaxy I0?</b>	<b>B,PL,R,PSBM,*8NF</b>
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
Apr 28 2006	31"	19mmW	PB,S,R,FNUC,MSB,R=G	
Apr 14 2016	12"	11mmT6	PF,PS,OVAL,UB,NND,R=F	
<b>H6-6</b>	<b>NGC 2355</b>	<b>Gem</b>	<b>Open Cluster 13.0 II 2 m</b>	<b>CL,PS,PRI,MC,*15..16</b>
Mar 04 2006	8"	19mmW	B,S,R=F	
<b>H8-1</b>	<b>NGC 4698</b>	<b>Vir</b>	<b>Galaxy SA(s)ab</b>	<b>CB,PL,IR,BM,R</b>
Apr 13 2005	8"	11mmT6	MB,ML,EON,FNUC,MSB,R=G	
<b>H8-5</b>	<b>NGC 3628</b>	<b>Leo</b>	<b>Galaxy Sb pec sp</b>	<b>PB,VL,VME102</b>
May 12 2004	8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5	
Apr 26 2006	8"	11mmT6	PF,CL,EON,NND,R=F	
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
<b>H8-7</b>	<b>NGC 6940</b>	<b>Vul</b>	<b>Open Cluster 11.0 III 2 r</b>	<b>CL,VB,VL,VRI,CC,STPL</b>
Nov 14 2006	1.9"	12x50	F,S,LOOSER,R=F	
Jul 23 2006	8"	11mmT6	PB,PL,R=G	
Jul 19 2017	12"	17mmT4	VERY NICE. FULL AND SCATTERED.	
<b>H8-8</b>	<b>NGC 1647</b>	<b>Tau</b>	<b>Open Cluster 9.0 II 2 r</b>	<b>CL,VL,ST L,SC</b>
Nov 09 2006	8"	19mmW	F,L,R=F	
Nov 04 2007	1.9"	12x50	PB,PL,R=G	
Dec 04 2004	8"	11mmT6	R,R=F, SCATTERED STARS	
<b>H9-1</b>	<b>NGC 4179</b>	<b>Vir</b>	<b>Galaxy S0 sp</b>	<b>PB,PS,PME135,BMN</b>
Apr 04 2005	8"	11mmT6	MB,EON,OVAL,FNUC,MSB,R=G	
<b>H9-6</b>	<b>NGC 5466</b>	<b>Boo</b>	<b>Globular</b>	<b>CL,L,VRI,VMC,ST11...</b>
May 30 2016	12"	8mm Et	VF,S,R=G	
May 04 2005	8"	11mmT6	VF,R,R=F	
<b>H9-7</b>	<b>NGC 6830</b>	<b>Vul</b>	<b>Open Cluster 10.0 II 2 p</b>	<b>CL,L,PRI,PC,*11...12</b>
Jul 23 2006	8"	11mmT6	B,PS,R=F	
<b>H10-1</b>	<b>NGC 4643</b>	<b>Vir</b>	<b>Galaxy SB(rs)0/a</b>	<b>CB,PS,LE,MBM</b>
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
Apr 28 2006	31"	19mmW	VB,VL,OVAL,BNUC,PHISB,R=G	
Apr 26 2009	16"	17mmT4	PF,PS,OVAL,FNUC,R=F	
<b>H10-7</b>	<b>NGC 2482</b>	<b>Pup</b>	<b>Open Cluster 10.0 IV 1 m</b>	<b>CL,L,CRI,VLC</b>
Mar 13 2007	8"	19mmW	B,PL,R=F, LOOSE GROUP	
<b>H11-4</b>	<b>NGC 6369</b>	<b>Oph</b>	<b>Planetary Neb 4+2</b>	<b>RINGNEB,PB,S,R</b>
Jul 09 2005	8"	11mmT6	MB,MS,R,R=G	
<b>H11-6</b>	<b>NGC 6284</b>	<b>Oph</b>	<b>Globular</b>	<b>GCL,B,L,R,CM,ST16...</b>
May 30 2016	12"	8mm Ds	VF,PS,R=F	
Jun 14 2004	8"	25mmPL	SPOTTY CLOUDS - MEGASTAR CONTROL	
Jul 15 2006	8"	19mmW	PF,PS,R=F	
Jul 02 2017	12"	17mmT4	PF,PS,R=F. SMUDGE	
<b>H11-7</b>	<b>NGC 2539</b>	<b>Pup</b>	<b>Open Cluster 9.0 III 2 m</b>	<b>CL,VL,RI,LC,*11...13</b>

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<b>H11-7</b>	<b>NGC 2539</b>	<b>Pup</b>	<b>Open Cluster 9.0 III 2 m</b>	<b>CL,VL,RI,LC,*11...13</b>
May 22 2015	12"	17mmT4	CAUGHT BEFORE SETTING. LOW ON HORIZON	
Mar 28 2008	1.9"	12x50	PB,PL,R=G	
Mar 13 2007	8"	19mmW	B,PL,R=G,RESOLVE FAINTER STARS	
<b>H11-8</b>	<b>NGC 2395</b>	<b>Gem</b>	<b>Open Cluster 10.0 IV 2 m</b>	<b>CL,PRI,C</b>
Mar 04 2006	8"	19mmW	F,S,R=F	
<b>H12-7</b>	<b>NGC 2360</b>	<b>CMa</b>	<b>Open Cluster 10.4 I 3 r</b>	<b>CL,VL,RI,PC,ST9...12</b>
Mar 13 2007	8"	19mmW	F,S,R=F,RESOLVE 7+ STARS	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
Dec 18 2006	1.9"	12x50	F,S,R=F,UNCOMPRESSED GROUP	
<b>H12-8</b>	<b>NGC 6664</b>	<b>Sct</b>	<b>Open Cluster 9.0 III 2 m</b>	<b>CL,L,PRI,VLC</b>
Mar 18 2007	8"	11mmT6	B,L,LOOSE GROUP,R=F	
Aug 13 2007	31"	31mmT5	B,L,R=G	
<b>H13-1</b>	<b>NGC 3521</b>	<b>Leo</b>	<b>Galaxy SAB(rs)bc</b>	<b>CB,CL,ME140,VSMBMN</b>
May 12 2004	8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
Apr 26 2006	8"	11mmT6	PB,PL,OVAL,BNUC,HISB,R=G	
<b>H13-7</b>	<b>NGC 2204</b>	<b>CMa</b>	<b>Open Cluster 13.0 II 2 r</b>	<b>CL,L,PRI,LC</b>
Feb 10 2005	8"	11mmT6	DIFFUSED,ML,R,R=G	
<b>H14-5</b>	<b>NGC 6992</b>	<b>Cyg</b>	<b>Nebula E</b>	<b>EF,EL,EE,EIF,BIFID</b>
Jun 26 2004	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON	
Jun 20 2007	1.9"	12x50	PF,L,R=F, HINT OF NEBULOSITY	
Jul 25 2011	12"	32mmUW	B,L,R=E! LP-2 FILTER, WISPY FILEMENTS	
Jul 01 2016	12"	35mm A	GREAT,R=E!! LP2 FILTER	
<b>H14-6</b>	<b>NGC 6802</b>	<b>Vul</b>	<b>Open Cluster 14.0 I 1 m</b>	<b>CL,L,VC,E0,ST14...18</b>
Jul 23 2006	8"	11mmT6	PF,CS,R=F	
<b>H15-1</b>	<b>NGC 4666</b>	<b>Vir</b>	<b>Galaxy SABc:</b>	<b>B,VL,ME45,PSBM</b>
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
Apr 28 2006	31"	19mmW	VB,VL,EON,BNUC,VHISB,R=G	
Apr 26 2009	16"	17mmT4	PB,PS,EON,FNUC,R=G	
Apr 14 2010	16"	11mmT6	PF,PS,EON,FNUC,USB,R=G	
<b>H16-1</b>	<b>NGC 4753</b>	<b>Vir</b>	<b>Galaxy I0</b>	<b>CB,L,VLE,VGLBM</b>
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
Apr 28 2006	31"	19mmW	CB,CL,OVAL,BNUC,MSB,R=G	
<b>H16-4</b>	<b>NGC 6905</b>	<b>Del</b>	<b>Planetary Neb 3+3</b>	<b>PLN,B,PS,R,4S*NR</b>
Jul 25 2017	12"	11mmT6	F,PS,R=G.. USED LP2	
Aug 13 2007	31"	31mmT5	PF,CS,R,R=G, CENTRAL STAR NOT VISIBLE	
Aug 09 2005	8"	11mmT6	MB,ML,PATCHY,MSB,R=G	
<b>H16-8</b>	<b>NGC 6834</b>	<b>Cyg</b>	<b>Open Cluster 11.0 II 2 m</b>	<b>CL,P,LC,*11...12</b>
Jul 23 2006	8"	19mmW	PB,PS,R=F,LOOSE GROUP	
Jul 16 2004	8"	25mmPL	CLEAR - SEEING NOT TOO BAD	
<b>H17-1</b>	<b>NGC 3379</b>	<b>Leo M105</b>	<b>Galaxy E1</b>	<b>VB,CL,R,PSBM,R</b>
May 12 2004	8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5	
May 06 2007	1.9"	12x50	PF,PS,OVAL,NND,R=F	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 19 2006	8"	19mmW	FB,CL,OVAL,BNUC,HISB,R=G	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 16 2012	18"	17mmAT	2012 M.M.	

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<b>H17-1</b>	<b>NGC 3379</b>	<b>Leo M105</b>	<b>Galaxy E1</b>	<b>VB,CL,R,PSBM,R</b>
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Feb 25 2004	8"	25mmPL	1ST. QTR.	
Apr 02 2008	8"	11mmT6	PB,PLM,R,BNUC,HSB,R=G	
<b>H17-5</b>	<b>NGC 598</b>	<b>Tri M33</b>	<b>Galaxy SA(s)cd</b>	<b>EB,EL,R,VGBMN 6</b>
Oct 31 2004	1.9"	12x50	VB,ML,EON,LSB,R=G	
Oct 29 2008	16"	20mmUW	LARGE, DIFFUSE PATCH	
Oct 27 2004	31"	31mmT5	VB,ML,OVAL,HISB,R=E, LUNAR ECLIPSE	
Oct 26 2014	12"	22mmAT	EYE CANDY	
Oct 21 2012	8"	25mmPL	LARGE AND FAINT AS ALWAYS	
Mar 20 2009	1.9"	12x50	MESSIER MARATHON - 2009	
Mar 19 2006	8"	19mmW	DIFF,L,F,OVAL,NND,R=F	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 17 2007	8"	25mmPL	M.M. BETWEEN CLOUDS	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 08 2010	12"	32mmUW	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Dec 26 2003	8"	25mmPL	Q/M COLD	
Aug 21 2015	12"	35mm A		
<b>H17-6</b>	<b>NGC 2158</b>	<b>Gem</b>	<b>Open Cluster 15.0 II 3 r</b>	<b>CL,PS,MC,VRI,IRRTRI</b>
Dec 04 2004	8"	11mmT6	OVAL,R=F	
<b>H17-7</b>	<b>NGC 2362</b>	<b>CMa</b>	<b>Open Cluster 8.0 I 3 r</b>	<b>CL,PL,RI,30CMA</b>
Feb 10 2005	8"	11mmT6	VB,ML,R,R=G	
<b>H18-1</b>	<b>NGC 3384</b>	<b>Leo</b>	<b>Galaxy SB(s)0-:</b>	<b>VB,L,R,PSMBM,2ND OF3</b>
May 12 2004	8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
Apr 26 2006	8"	11mmT6	FB,PS,OVAL,UB,R=G	
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Apr 02 2008	8"	11mmT6	PB,PL,OVAL,UB,FNUC,R=G	
<b>H18-4</b>	<b>NGC 7662</b>	<b>And</b>	<b>Planetary Neb 4+3</b>	<b>PLN ORRING,VB,PS,R</b>
Oct 05 2016	12"	11mmT6	B,S,OIII,R=G. BLUE STREAK NEBULA	
Nov 21 2006	8"	11mmT6	VB,PS,OVAL, NO CENTRAL STAR,R=G	
Aug 24 2012	18"	5mm TV	ROUND AND BRIGHT, OIII, BLUE SNOWBALL, R=E!	
Aug 23 2004	8"	9mm	SMALL,FAINT. LOOK @ AGAIN LATER!	
Aug 21 2015	12"	8mm Ds	PRETTY SMALL USED LP2 FILTER	
<b>H18-5</b>	<b>NGC 205</b>	<b>And M110</b>	<b>Galaxy E5 pec</b>	<b>VB,VL,ME165,VGVMBM</b>
Sep 02 2016	12"	35mm A	SUPER	
Oct 27 2004	31"	31mmT5	VB,ML,OVAL,HISB,R=E, LUNAR ECLIPSE	
Oct 26 2014	12"	22mmAT	EYE CANDY	
Mar 20 2009	1.9"	12x50	MESSIER MARATHON - 2009	
Mar 19 2006	8"	25mmPL	PB,ML,OVALFNUC,HISB,R=G	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 08 2010	12"	32mmUW	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Jul 13 2013	18"	35mm A	MORE EYE CANDY	

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<b>H18-5</b>	<b>NGC 205</b>	<b>And M110</b>	<b>Galaxy E5 pec</b>	<b>VB,VL,ME165,VGVMBM</b>
Jul 13 2013	18"	35mm A	MORE EYE CANDY	
Dec 26 2003	8"	25mmPL	Q/M COLD	
Dec 16 2009	12"	20mmUW		
Dec 05 2015	12"	17mmT4		
Aug 31 2010	12"	17mmAT	NIGHT ENDING EYE CANDY	
Aug 21 2015	12"	8mm Ds		
Aug 20 2006	1.9"	12x50	B,L,OVAL,UB,NND,R=G	
<b>H18-7</b>	<b>NGC 6823</b>	<b>Vul</b>	<b>Open Cluster 8.8 I 3 m n</b>	<b>CL,CRI,E,ST11...12</b>
Jun 20 2007	1.9"	12x50	PF,PS, STARS 6+,R=F	
Jul 23 2006	8"	11mmT6	B,PS,R=F	
<b>H19-1</b>	<b>NGC 4147</b>	<b>Com</b>	<b>Globular</b>	<b>GCL,VB,PL,R,GBM,RRR</b>
May 30 2016	12"	8mm Et	PF,PS,R=F. UNRESOLVED STARS	
Mar 29 2006	8"	11mmT6	F,S,R,NND,R=F CLASS IX	
Apr 13 2005	8"	7.5mmW	R,MSB,R=G	
<b>H19-5</b>	<b>NGC 891</b>	<b>And</b>	<b>Galaxy SA(s)b? sp</b>	<b>B,VL,VME22</b>
Oct 27 2004	31"	31mmT5	VB,ML,EON,HISB,R=E, LUNAR ECLIPSE	
Oct 12 2012	18"	17mmT4	DARK DUST LANE BISECTING GALAXY. JOHN'S 20" OBSESSION	
Oct 07 2010	12"	11mmT6	PF,S,EON,UB,NND,R=F,PA=85	
Oct 06 2004	8"	11mmT6	MB,EL,EON,NND,R=G	
<b>H19-6</b>	<b>NGC 5897</b>	<b>Lib</b>	<b>Globular</b>	<b>GCL,PF,L,VIR,VGBM,</b>
May 30 2016	12"	8mm Ds	PF,S,R=F	
May 16 2004	10"	28mm	CLEAR - MEGASTAR CONTROL	
Jul 23 2006	8"	11mmT6	CF,PS,R,R=F	
Jul 21 2007	1.9"	12x50	PF,PS,AV,R=F	
Jul 15 2006	8"	19mmW	VF,PS,R=F, DIM, UNRESOLVED.	
<b>H19-7</b>	<b>NGC 6755</b>	<b>Aql</b>	<b>Open Cluster 11.0 II 2 r</b>	<b>CL,VL,VRI,PC,,*12.14</b>
Oct 30 2007	1.9"	12x50	B,S,R=F	
Jul 08 2004	8"	25mmPL	DIM - LOOKS LIKE P.N. IN 8	
<b>H20-4</b>	<b>NGC 2185</b>	<b>Mon</b>	<b>Nebula R</b>	<b>*11\$4S*IN VF,L,NEB</b>
Mar 13 2007	8"	11mmT6	PF,PS,R=F,HINT OF NEBULOSITY	
<b>H20-5</b>	<b>NGC 247</b>	<b>Cet</b>	<b>Galaxy SAB(s)d</b>	<b>F,EL,VME172</b>
Nov 21 2006	8"	19mmW	F,L,EON,NND,R=F	
<b>H20-7</b>	<b>NGC 2215</b>	<b>Mon</b>	<b>Open Cluster 11.0 II 2 m</b>	<b>CL,CL,PRI,PC,ST11.15</b>
Mar 29 2006	8"	19mmW	F,S,R=F	
<b>H20-8</b>	<b>NGC 6885</b>	<b>Vul</b>	<b>Open Cluster 5.9 III 2 m</b>	<b>CL,VB,VL,RI,LC,*6.11</b>
Jul 23 2006	8"	11mmT6	PB,PS,R=F	
<b>H21-1</b>	<b>NGC 3810</b>	<b>Leo</b>	<b>Galaxy SA(rs)c</b>	<b>B,L,VLE</b>
Apr 26 2006	8"	11mmT6	PF,L,OVAL,UB,NND,R=F	
Apr 18 2012	18"	8.8 ES	PF,S,OVAL,FNUC,R=G	
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
<b>H21-4</b>	<b>NGC 1964</b>	<b>Lep</b>	<b>Galaxy SAB(s)b</b>	<b>F,VS,R,VSVMBM,3*INV</b>
Dec 04 2004	8"	11mmT6	MB,EL,FNUC,MSB,R=G	
<b>H21-6</b>	<b>NGC 2266</b>	<b>Gem</b>	<b>Open Cluster 11.0 II 2 m</b>	<b>CL,PS,EC,RI,ST11..15</b>
Mar 04 2006	8"	19mmW	MB,S,R=F	
<b>H22-1</b>	<b>NGC 4371</b>	<b>Vir</b>	<b>Galaxy SB(r)0+</b>	<b>B,PS,R,GBM</b>
Apr 26 2006	8"	11mmT6	PF,PS,OVAL,NND,R=F	
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	

## Herschel 400 (I) Observations

<b>H22-1</b>	<b>NGC 4371</b>	<b>Vir</b>	<b>Galaxy SB(r)0+</b>	<b>B,PS,R,GBM</b>
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
<b>H22-6</b>	<b>NGC 2548</b>	<b>Hya M48</b>	<b>Open Cluster 8.0 I 3 r</b>	<b>CL,VL,PRI,PMC,*9..13</b>
May 22 2015	12"	17mmT4	TYPICAL OPEN CLUSTER R=F	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 19 2006	8"	25mmPL	F,R=F	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Feb 25 2004	8"	25mmPL	1ST. QTR.	
<b>H22-8</b>	<b>NGC 6882</b>	<b>Vul</b>	<b>Open Cluster</b>	<b>CL,P,LC</b>
Jul 23 2006	8"	11mmT6	PB,PS,R=F	
<b>H23-4</b>	<b>NGC 936</b>	<b>Cet</b>	<b>Galaxy SB(rs)0+</b>	<b>VB,VL,R,MBMN,P OF 2</b>
Nov 21 2006	8"	11mmT6	B,LOVAL,NND,R=F	
<b>H24-1</b>	<b>NGC 4596</b>	<b>Vir</b>	<b>Galaxy SB(r)0+</b>	<b>B,PS,R,GMBM,R,3*F</b>
Apr 08 2005	8"	11mmT6	MB,ML,OVALFNUC,R=G	
<b>H24-5</b>	<b>NGC 4565</b>	<b>Com</b>	<b>Galaxy SA(s)b? sp</b>	<b>B,EL,EE135,VSBMN=*10</b>
May 18 2009	31"	31mmT5	PB,PL,EON,BNUC,HISB,R=E, NICE DUST LANE	
May 14 2010	31"	17mmT4	VB,VL,EON,BNUC,HSB,DARK DUST LANE BISECST. FILLS EYEPIECE,R=E!!	
Mar 04 2006	31"	31mmT5	VB,VL,EON,BNUC,HISB,R=G	
Apr 13 2005	8"	7.5mmW	MB,ML,EL,EON,FNUC,R=G	
<b>H24-6</b>	<b>NGC 7044</b>	<b>Cyg</b>	<b>Open Cluster 15.0 I 1 r</b>	<b>CL,VF,PL,VRI,VC</b>
Jul 23 2006	8"	19mmW	B,S,R=F	
<b>H24-8</b>	<b>NGC 2169</b>	<b>Ori</b>	<b>Open Cluster 6.9 III 3 m</b>	<b>CL,S,LRI,PMC,**</b>
Nov 06 2004	8"	11mmT6	NICE SHAPE	
Nov 04 2007	1.9"	12x50	PF,S,R=F	
Apr 17 2006	8"	19mmW	B,S,R=F	
<b>H25-1</b>	<b>NGC 4754</b>	<b>Vir</b>	<b>Galaxy SB(r)0-</b>	<b>B,PL,R,PSBM,P OF 2</b>
Apr 28 2006	31"	19mmW	CB,CL,OVAL,UB,FNUC,MSB,R=G	
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
<b>H25-4</b>	<b>NGC 2327</b>	<b>CMa</b>	<b>Nebula</b>	<b>PB**INV INS,VF,NEB</b>
Mar 28 2011	12"	7mm TV	SMALL,FAINT,R=F,OIII	
<b>H25-5</b>	<b>NGC 246</b>	<b>Psc</b>	<b>Planetary Neb 3b</b>	<b>VF,L,4*IN DIF NEB</b>
Nov 28 2010	12"	7mm TV	PF,PS,R=F,IRREGULAR SHAPE, NO CENTRAL STAR, OIII HELPS	
Nov 21 2006	8"	11mmT6	F,L,R,R=G	
<b>H25-6</b>	<b>NGC 1245</b>	<b>Per</b>	<b>Open Cluster 12.0 II 2 r</b>	<b>CL,PL,RI,C,IR,*12.15</b>
Nov 09 2004	8"	7.5mmW	MANY STARS - FAINT	
<b>H25-7</b>	<b>NGC 2186</b>	<b>Ori</b>	<b>Open Cluster 12.0 II 2 m</b>	<b>CL,PL,PRI,PC,ST L\$\$</b>
Mar 29 2006	8"	11mmT6	F,S,R=F	
<b>H25-8</b>	<b>NGC 2232</b>	<b>Mon</b>	<b>Open Cluster 5.0 III 2 p</b>	<b>B* 10MON +CL</b>
Mar 13 2007	8"	19mmW	PB,PL,R=F,LOOSE GROUP	
Mar 09 2004	8"	25mmPL	COMPTER = ARGO NAVIS	
Mar 08 2007	1.9"	12x50	FB,S,LOOSE,R=F	
<b>H26-4</b>	<b>NGC 1535</b>	<b>Eri</b>	<b>Planetary Neb 4+2c</b>	<b>PLN,VB,S,R,PS,VSBM,R</b>
Nov 21 2006	8"	11mmT6	B,PS,R, NO CENTRAL STAR,R=F	
Nov 11 2009	12"	7.5mmW	B,PS,R=G, NO CENTRAL STAR NOTED.	
Feb 17 2012	18"	11mmT6	OIII FILTER - VERY NICE PLANETARY	

## Herschel 400 (I) Observations

<b>H26-4</b>	<b>NGC 1535</b>	<b>Eri</b>	<b>Planetary Neb 4+2c</b>	<b>PLN,VB,S,R,PS,VSBM,R</b>
Feb 17 2012	18"	11mmT6	OIII FILTER - VERY NICE PLANETARY	
Dec 28 2008	31"	17mmT4	VB,PS,R,R=G,BRIGHT CENTRAL STAR!!, OIII	
<b>H26-8</b>	<b>NGC 2129</b>	<b>Gem</b>	<b>Open Cluster 10.0 I 3 m</b>	<b>CL,PL,40OR50ST8...15</b>
Dec 15 2004	8"	11mmT6	R, R=G	
<b>H27-1</b>	<b>NGC 3412</b>	<b>Leo</b>	<b>Galaxy SB(s)0^A</b>	<b>B,S,LE135,SMBMN</b>
Apr 26 2006	8"	11mmT6	FB,PS,OVAL,FNUC,MSB,R=G	
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
<b>H27-4</b>	<b>NGC 3242</b>	<b>Hya</b>	<b>Planetary Neb 4+3b</b>	<b>PLN,VB,LE147,45"D</b>
May 22 2015	12"	8mm Ds	NO FILTER CENTRAL STAR NOT VISIBLE	
Apr 08 2005	8"	7.5mmW	VB,VL,R,R=G	
<b>H27-6</b>	<b>NGC 2301</b>	<b>Mon</b>	<b>Open Cluster 8.0 I 3 r</b>	<b>CL,RI,L,IF,ST L\$S</b>
Mar 29 2006	8"	19mmW	PB,L,R=G	
Mar 08 2007	1.9"	12x50	PB,S,COMPRESSED,R=F	
<b>H28-1</b>	<b>NGC 4435</b>	<b>Vir</b>	<b>Galaxy SB(s)0^A</b>	<b>VB,CL,R,NP OF 2</b>
May 14 2017	12"	11mmT6	F,PS,R,FNUC,R=E	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGONAVIS	
Apr 26 2006	8"	11mmT6	B,S,R,FNUC,MSB,R=G	
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
<b>H28-1</b>	<b>NGC 4438</b>	<b>Vir</b>	<b>Galaxy SA(s)0/a pec:</b>	<b>B,CL,VLE,R,SF OF 2</b>
May 14 2017	12"	11mmT6	F,PS,EON,FNUC,R=E	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGONAVIS	
Apr 26 2006	8"	11mmT6	F,PL,EL,OVAL,NND,R=F	
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
<b>H28-2</b>	<b>NGC 3226</b>	<b>Leo</b>	<b>Galaxy E2: pec</b>	<b>PB,CL,R,DW/3227</b>
Mar 13 2004	8"	25mmPL	COMPUTER = ARGONAVIS	
Apr 26 2006	8"	11mmT6	PF,PS,OVAL,NND,R=F	
<b>H28-5</b>	<b>NGC 2024</b>	<b>Ori</b>	<b>Nebula E</b>	<b>IRR,B,VVL,BLACKSPINC</b>
Nov 22 2006	8"	11mmT6	B,L,R=G,STARSGLOW,IRREGULARSHAPE	
<b>H28-7</b>	<b>NGC 2423</b>	<b>Pup</b>	<b>Open Cluster 9.0 II 2 m</b>	<b>CL,VL,RI,PC,ST VS</b>
Mar 13 2007	8"	19mmW	F,PL,R=G,DIM PATCH	
<b>H28.1-4</b>	<b>NGC 4038</b>	<b>Crv</b>	<b>Galaxy SB(s)m pec</b>	<b>PB,CL,R,VGBM</b>
Apr 19 2007	31"	17mmT4	PB,CL,OVAL,UB,NND,R=G	
Apr 14 2016	12"	8mm Ds	PF,PS,UB,NND, NOT MUCH TO SEE IN MOON AND LOW HORIZON	
Apr 13 2005	8"	7.5mmW	VF,VS,NND,AV,R=F	
<b>H29-1</b>	<b>NGC 3593</b>	<b>Leo</b>	<b>Galaxy SA(s)0/a:</b>	<b>B,CL,E90,PSMBM</b>
Apr 26 2006	8"	11mmT6	F,L,EON,NND,R=F	
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
<b>H29-2</b>	<b>NGC 3227</b>	<b>Leo</b>	<b>Galaxy SAB(s)a pec</b>	<b>PB,CL,R,DW/3226</b>
Mar 23 2004	8"	25mmPL	COMPUTER = ARGONAVIS	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGONAVIS	
Apr 26 2006	8"	11mmT6	F,S,EL,R,NND,R=F	
<b>H30-1</b>	<b>NGC 4365</b>	<b>Vir</b>	<b>Galaxy E3</b>	<b>CB,PL,VLE,GL,SMBM</b>
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
Apr 26 2006	8"	11mmT6	PB,PL,OVAL,FNUC,MSB,R=G	
<b>H30-6</b>	<b>NGC 7789</b>	<b>Cas</b>	<b>Open Cluster 10.0 II 2 r</b>	<b>CL,VL,VRI,VMC,*11.18</b>
Nov 26 2006	1.9"	12x50	F,S,R=F	
Nov 09 2006	8"	19mmW	15+,PF,R=F	

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<b>H30-6</b>	<b>NGC 7789</b>	<b>Cas</b>	<b>Open Cluster 10.0 II 2 r</b>	<b>CL,VL,VRI,VMC,*11.18</b>
Nov 09 2006	8"	19mmW	15+,PF,R=F	
Jul 24 2006	8"	11mmT6	PB,PL,R=G	
Dec 31 2003	8"	25mmPL	H/M COLD	
Dec 05 2015	12"	17mmT4	CAROLINE'S ROSE. VERY NICE	
Aug 21 2004	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
<b>H31-1</b>	<b>NGC 4526</b>	<b>Vir</b>	<b>Galaxy SAB(s)0^:</b>	<b>VB,VL,ME120,PSMBM</b>
May 14 2007	31"	17mmT4	VB,CL,EON,BNUC,HISB,R=G	
Apr 26 2006	8"	11mmT6	VB,CS,EON,BNUC,R=G	
Apr 16 2004	8"	25mmPL	CLEAR - PALM PILOT DIRECTED	
<b>H31-5</b>	<b>NGC 1980</b>	<b>Ori</b>	<b>Nebula III 3 m n</b>	<b>VF,VVL,44ORIONIS INV</b>
Mar 29 2006	8"	19mmW	PB,L,R=F	
<b>H31-6</b>	<b>NGC 663</b>	<b>Cas</b>	<b>Open Cluster 9.0 II 3 r</b>	<b>CL,B,L,ERI,ST PL</b>
Sep 15 2004	8"	11mmT6	NICE - LOTS OF STARS	
Oct 21 2012	8"	11mmT6	B,L,LOOSE,STGARS=40-60,R=G	
Nov 26 2006	1.9"	12x50	F,CS,PATCHY,R=F	
Nov 09 2006	8"	19mmW	LOOSE, CLUSTERED SOUTHERN HALF,R=F	
Dec 05 2015	12"	17mmT4		
Aug 21 2015	12"	8mm Ds		
<b>H31-8</b>	<b>NGC 2286</b>	<b>Mon</b>	<b>Open Cluster 9.0 III 2 m</b>	<b>CL,L,C,AB100*9...15</b>
Mar 29 2006	8"	19mmW	B,L,R=F	
<b>H32-1</b>	<b>NGC 4570</b>	<b>Vir</b>	<b>Galaxy S0 sp</b>	<b>CB,PS,ME0,SBMRN</b>
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
Apr 28 2006	31"	19mmW	VB,CL,EON,,BNUC,PHISB,R=G	
<b>H32-5</b>	<b>NGC 1788</b>	<b>Ori</b>	<b>Nebula R</b>	<b>B,CL,R,BM,***15,*1'F</b>
Nov 21 2006	8"	11mmT6	F,S,S,R=F, BRIGHTER THAN SOME.	
<b>H32-6</b>	<b>NGC 7086</b>	<b>Cyg</b>	<b>Open Cluster 10.2 II 2 m</b>	<b>CL,CL,VRI,PC,*11..16</b>
Jul 23 2006	8"	19mmW	PB,PS,R=F	
<b>H32-7</b>	<b>NGC 752</b>	<b>And</b>	<b>Open Cluster 8.0 II 2 r</b>	<b>CL,VVL,RI,*L\$SC</b>
Oct 29 2006	8"	19mmW	50+STARS,R,R=G	
Oct 06 2004	8"	7.5mmW	EB,R,UB,R=G	
Nov 26 2006	1.9"	12x50	B,L,LOOSE,RESOLVE 4-5 STARS,R=F	
<b>H32-8</b>	<b>NGC 2335</b>	<b>Mon</b>	<b>Open Cluster 10.0 III 2 m n</b>	<b>CL,L,LC</b>
Mar 29 2006	8"	19mmW	F,PS,R=F	
<b>H33-2</b>	<b>NGC 3640</b>	<b>Leo</b>	<b>Galaxy E3</b>	<b>B,PL,R,PSBM</b>
Apr 26 2006	8"	11mmT6	PB,L,OVAL,FNUC,MSB,R=G	
Apr 15 2007	31"	17mmT4	PB,L,R,BNUC,HISB,R=G	
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
<b>H33-4</b>	<b>NGC 1999</b>	<b>Ori</b>	<b>Nebula E</b>	<b>*10,11INV IN NEB</b>
Feb 20 2006	31"	31mmT5	MB.ML,R=F, OIII	
<b>H33-6</b>	<b>NGC 869</b>	<b>Per</b>	<b>Open Cluster 6.6 I 3 r</b>	<b>CL,VVL,VRI,*7...14</b>
Sep 24 2016	12"	17mmT4	GREAT OBJECT.	
Sep 01 2005	8"	7.5mmW	VB,R,R=G. BEAUTY - DOUBLE CLUSTER	
Oct 31 2004	1.9"	12x50	VERY NICE IN BINOCULARS	
Oct 29 2006	8"	19mmW	B,L,LOOSE,R,R=G	
Oct 21 2012	8"	25mmPL	NICE BUT NOT AS NICE AS WRO	
Oct 13 2006	1.9"	12x50	PB,PL,R=G	
Oct 12 2012	18"	35mm A	DOUBLE CLUSTER W/35MM A.T. 68 DEGREE AND PARACORR	



## Herschel 400 (I) Observations

<b>H33-6</b>	<b>NGC 869</b>	<b>Per</b>	<b>Open Cluster 6.6 I 3 r</b>	<b>CL,VVL,VRI,*7...14</b>
Oct 12 2012	18"	35mm A	DOUBLE CLUSTER W/35MM A.T. 68 DEGREE AND PARACORR	
Oct 01 2006	1.9"	12x50	B,L,R=G, TIGHT GROUP	
Dec 31 2003	8"	25mmPL	H/M COLD	
Dec 05 2015	12"	17mmT4		
Aug 31 2010	12"	17mmAT	NIGHT ENDING EYE CANDY	
Aug 21 2015	12"	35mm A		
<b>H33-7</b>	<b>NGC 1857</b>	<b>Aur</b>	<b>Open Cluster 11.0 I 3 m</b>	<b>CL,PRI,PC,ST7...</b>
Jan 26 2006	8"	19mmW	R=P, FEW STARS	
Dec 28 2006	1.9"	12x50	F,S,PATCHY,UNRESOLVED,R=F	
<b>H33-8</b>	<b>NGC 2343</b>	<b>Mon</b>	<b>Open Cluster 8.0 II 2 p n</b>	<b>CL,CL,P,LC</b>
Mar 29 2006	8"	19mmW	F,PS,R=F	
<b>H34-1</b>	<b>NGC 5248</b>	<b>Boo</b>	<b>Galaxy SAB(rs)bc</b>	<b>B,L,E150,PSBMRN</b>
May 04 2005	8"	11mmT6	MB,ML,OVAL,FNUC,R=G	
Jul 01 2016	12"	8mm Et	MB,ML,OVAL, FNUC,R=G	
<b>H34-4</b>	<b>NGC 2022</b>	<b>Ori</b>	<b>Planetary Neb 4+2</b>	<b>PLN,PB,VS,VLE</b>
Nov 22 2006	8"	11mmT6	PF,S,R=F	
Mar 09 2004	8"	25mmPL	COMPTER = ARGO NAVIS	
Dec 28 2008	31"	17mmT4	F,PS,OVAL,R=G, NO CENTRAL STAR	
<b>H34-6</b>	<b>NGC 884</b>	<b>Per</b>	<b>Open Cluster 6.4 I 3 r</b>	<b>CL,VL,VRI,RUBY*M</b>
Sep 24 2016	12"	17mmT4	GREAT OBJECT.	
Sep 01 2005	8"	7.5mmW	VB,R,R=G. BEAUTY - DOUBLE CLUSTER	
Oct 31 2004	1.9"	12x50	VERY NICE IN BINOCULARS	
Oct 29 2006	8"	19mmW	B,L,COMPRESSED,R,R=G	
Oct 21 2012	8"	25mmPL	NICE BUT NOT AS NICE AS WRO	
Oct 13 2006	1.9"	12x50	PB,PL,R=G	
Oct 12 2012	18"	35mm A	DOUBLE CLUSTER W/35MM A.T. 68 DEGREE AND PARACORR	
Oct 01 2006	1.9"	12x50	PB,PL,R=G, LITTLE LOOSER	
Dec 31 2003	8"	25mmPL	H/M COLD	
Dec 05 2015	12"	17mmT4		
Aug 31 2010	12"	17mmAT	NIGHT ENDING EYE CANDY	
Aug 21 2015	12"	35mm A		
<b>H34-8</b>	<b>NGC 2353</b>	<b>Mon</b>	<b>Open Cluster 9.0 III 3 p</b>	<b>CL,L,LC,ONEVB*</b>
Mar 29 2006	8"	19mmW	SMALLER, BRIGHTER,L,R=G	
<b>H35-1</b>	<b>NGC 4216</b>	<b>Vir</b>	<b>Galaxy SAB(s)b:</b>	<b>VB,VL,VME17,SBMN</b>
May 16 2004	10"	28mm	CLEAR - MEGASTAR CONTROL	
Apr 16 2009	16"	17mmT4	PB,PL,EON,BNUC,HSB,R=G	
Apr 04 2005	8"	11mmT6	VB,EON,FNUC,MSB,R=G	
<b>H35-6</b>	<b>NGC 136</b>	<b>Cas</b>	<b>Open Cluster 13.0 II 1 p</b>	<b>GCL,VF,S,EC</b>
Nov 03 2004	8"	11mmT6		
<b>H36-1</b>	<b>NGC 4550</b>	<b>Vir</b>	<b>Galaxy SB0<sup>+</sup>: sp</b>	<b>PB,S,VLE,SP OF 2</b>
Apr 13 2005	8"	11mmT6	MF,MS,EL,NND,R=G	
<b>H37-2</b>	<b>NGC 4527</b>	<b>Vir</b>	<b>Galaxy SAB(s)bc</b>	<b>PB,L,PME69,MBM</b>
Apr 13 2005	8"	11mmT6	MB,ML,EL,EON,FNUC,R=G	
<b>H37-4</b>	<b>NGC 6543</b>	<b>Dra</b>	<b>Planetary Neb 3a+2</b>	<b>PLN,VB,PS,SBMVSN</b>
Sep 05 2010	12"	5.5mmN	PB,PS,R=G, NO CENTRAL STAR NOTED. OIII NOT MUCH HELP - NO ADDITIONAL STRUCTURE	
Oct 21 2012	8"	5mm TV	B,PS,OVAL IN SHAPE,R=F	

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<b>H37-4</b>	<b>NGC 6543</b>	<b>Dra</b>	<b>Planetary Neb 3a+2</b>	<b>PLN,VB,PS,SBMVSN</b>
Oct 21 2012	8"	5mm TV	B,PS,OVAL IN SHAPE,R=F	
Jul 09 2005	8"	11mmT6	VB,VS,OVAL,R=G	
Apr 13 2005	8"	11mmT6	VB,VS,R,R=G	
<b>H37-5</b>	<b>NGC 7000</b>	<b>Cyg</b>	<b>Nebula E</b>	<b>F,EEL,DIF NEBULOSITY</b>
Jun 20 2007	1.9"	12x50	F,EL,R=G, LITTLE BETTER	
Jul 25 2011	12"	32mmUW	B,VL,R=E!! LP-2 FILTER, OUTSTANDING	
Jul 19 2017	12"	35mm A	OUTSTANDING.	
Jul 15 2015	12"	35mm A	LP2 FILTER - VERY NICE OBJECT	
Jul 01 2016	12"	35mm A	GREAT,R=E!! LP2 FILTER	
Aug 21 2015	12"	35mm A	LP2 FILTER	
Aug 02 2005	8"	19mmW	PRETTY LARGE, PRETTY BRIGHT, PRETTY NEAT	
<b>H37-6</b>	<b>NGC 2506</b>	<b>Mon</b>	<b>Open Cluster 11.0 I 2 r</b>	<b>CL,PL,VRI,C,*11...20</b>
Mar 29 2006	8"	19mmW	PF,PS,R=F, NICE GROUP	
<b>H38-2</b>	<b>NGC 4636</b>	<b>Vir</b>	<b>Galaxy E</b>	<b>B,L,IR,VGVMBM,R</b>
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
Apr 28 2006	31"	19mmW	VB,VL,OVAL,BNUC,PHISB,R=G	
Apr 26 2009	16"	17mmT4	PB,PS,OVAL,FNUC,R=F	
<b>H38-7</b>	<b>NGC 2324</b>	<b>Mon</b>	<b>Open Cluster 12.0 II 2 r</b>	<b>CL,L,RI,CC,ST12...16</b>
Nov 25 2006	8"	11mmT6	F,SMALL-COMPRESSED,R=G	
<b>H38-8</b>	<b>NGC 2422</b>	<b>Pup M47</b>	<b>Open Cluster 5.0 I 3 m</b>	<b>CL,B,VL,PRI,ST L\$S</b>
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 19 2006	8"	25mmPL	PB,R=G	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Dec 30 2003	8"	25mmPL	H/M COLD	
<b>H39-1</b>	<b>NGC 4697</b>	<b>Vir</b>	<b>Galaxy E6</b>	<b>VB,L,LE45,SMBMN</b>
Apr 28 2006	31"	19mmW	CB,VL,OVAL,VBNUC,VHISB,R=G	
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
<b>H39-4</b>	<b>NGC 2438</b>	<b>Pup</b>	<b>Planetary Neb 4+2</b>	<b>PLN,PB,PS,VLE,R</b>
Mar 13 2007	8"	7.5mmW	VF,VS,R=F, NO CENTRAL STAR	
Feb 17 2012	18"	11mmT6	OIII FILTER - VERY NICE PLANETARY	
<b>H39-7</b>	<b>NGC 1907</b>	<b>Aur</b>	<b>Open Cluster 11.0 I 1 m n</b>	<b>CL,PRI,PC,R,ST9...12</b>
Oct 02 2006	1.9"	12x50	CB,CS,R=F.	
Jan 26 2006	8"	19mmW	R=G, SMALL, TIGHT, BRIGHT	
<b>H40-6</b>	<b>NGC 6171</b>	<b>Oph M107</b>	<b>Globular</b>	<b>GCL,L,VRI,VMC,R,RRR</b>
Mar 27 2006	8"	19mmW	F,L,R=F, DENSE	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Jun 14 2004	8"	25mmPL	SPOTTY CLOUDS - MEGASTAR CONTROL	
Jul 02 2017	12"	17mmT4	OK	
Aug 20 2006	1.9"	12x50	VF,PS,AV,R=F	
<b>H40-7</b>	<b>NGC 7128</b>	<b>Cyg</b>	<b>Open Cluster 11.5 I 3 m</b>	<b>CL,S,PRI,HASARUBY*9</b>
Jul 23 2006	8"	19mmW	PF,CS,R=F,SMUDGE, NO STARS	

## Herschel 400 (I) Observations

<b>H40-7</b>	<b>NGC 7128</b>	<b>Cyg</b>	<b>Open Cluster 11.5 I 3 m</b>	<b>CL,S,PRI,HASARUBY*9</b>
Jul 23 2006	8"	19mmW	PF,CS,R=F,SMUDGE, NO STARS	
<b>H41-5</b>	<b>NGC 4244</b>	<b>CVn</b>	<b>Galaxy SA(s)cd: sp</b>	<b>PB,VL,EE43,VGBM</b>
May 04 2005	8"	19mmW	MB,ML,EL,EON,FNUC,R=G	
<b>H41-7</b>	<b>NGC 7296</b>	<b>Lac</b>	<b>Open Cluster 10.0 II 2 p</b>	<b>CL,IR,LC,ST VS</b>
Jul 24 2006	8"	11mmT6	PF,CS,R=F	
<b>H42-1</b>	<b>NGC 4995</b>	<b>Vir</b>	<b>Galaxy SAB(rs)b</b>	<b>PB,PL,R,VGPMBM,*8NP</b>
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
Apr 28 2006	31"	19mmW	PB,CL,OVAL,FNUC,MSB,R=F	
<b>H42-5</b>	<b>NGC 4631</b>	<b>CVn</b>	<b>Galaxy SB(s)d sp</b>	<b>VB,VL,EE70,BMN,*ATTN</b>
May 04 2005	8"	19mmW	MB,ML,EL,EON,FNUC,R=G	
<b>H42-6</b>	<b>NGC 6939</b>	<b>Cep</b>	<b>Open Cluster 11.9 II 1 r</b>	<b>CL,PL,ERI,PCM,*11.16</b>
Oct 10 2004	8"	11mmT6	MF,R=F, LARGE O.C. LOTS OF STARS	
Oct 06 2004	8"	7.5mmW	MF,R=F	
<b>H42-7</b>	<b>NGC 457</b>	<b>Cas</b>	<b>Open Cluster 8.6 II 3 r</b>	<b>CL,B,L,PRI,*7,8,10</b>
Sep 24 2016	12"	11mmT6	B,L,R=G. OWL CLUSTER	
Oct 21 2012	8"	11mmT6	F,S,STARS=50-60,R=G	
Nov 26 2006	1.9"	12x50	F,L,DIM,PATCHY,R=F	
Nov 09 2006	8"	19mmW	30+,CROSS SHAPED,R=F	
Jul 23 2006	8"	7.5mmW	CB,PL,R=G,EXTENDED GROUP	
Dec 31 2003	8"	25mmPL	H/M COLD	
Dec 05 2015	12"	17mmT4	E.T. CLUSTER. AKA OWL CLUSTER	
<b>H43-1</b>	<b>NGC 4594</b>	<b>Vir M104</b>	<b>Galaxy SA(s)a sp</b>	<b>VB,VL,EE92,VSMBMN</b>
May 23 2015	12"	11mmT6		
May 22 2015	12"	8mm Ds	ALWAYS GREAT. DUST LANE VISIBLE	
May 14 2017	12"	11mmT6	VERY NICE.	
May 06 2007	1.9"	12x50	PB,PL,EON,NND,R=G	
Mar 26 2006	8"	19mmW	PB,PL,EON,BNUC,HISB,R=G	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Apr 19 2007	31"	17mmT4	VB,VL,EON,BNUC,VHISB,R=E!!	
Apr 14 2016	12"	8mm Ds	PF,PS,EON,FNUC,R=F,DUST LANE FAINT.	
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Apr 05 2005	8"	7.5mmW	VB,VL,EON,NUC,HISB,R=E!!	
Apr 02 2008	31"	40mm	PB,PL,EON,BNUC,HISB,R=E	
<b>H43-5</b>	<b>NGC 4258</b>	<b>CVn M106</b>	<b>Galaxy Sb</b>	<b>VB,VL,VME0,SBMBN</b>
Mar 26 2006	8"	19mmW	MB,ML,OVAL,FNUC,MSB,,R=F	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Dec 26 2003	8"	25mmPL	Q/M COLD	
<b>H43-7</b>	<b>NGC 7419</b>	<b>Cep</b>	<b>Open Cluster 10.0 I 2 m</b>	<b>CL,PRI,CC</b>

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<b>H43-7</b>	<b>NGC 7419</b>	<b>Cep</b>	<b>Open Cluster 10.0 I 2 m</b>	<b>CL,PRI,CC</b>
Nov 13 2007	8"	11mmT6	VF,VS,FAINT SMUDGE,R=F	
<b>H43-8</b>	<b>NGC 1750</b>	<b>Tau</b>	<b>Open Cluster OCL</b>	<b>CL,ST L,VCSC</b>
Dec 15 2004	8"	11mmT6	R,MSB,R=G	
<b>H44-1</b>	<b>NGC 6401</b>	<b>Oph</b>	<b>Globular</b>	<b>PB,PL,R,*12F INV</b>
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	
Jul 15 2006	8"	19mmW	EF,CS,R=F,VERY DIM SMUDGE	
<b>H44-2</b>	<b>NGC 3190</b>	<b>Leo</b>	<b>Galaxy SA(s)a pec sp</b>	<b>B,PS,E,PSBMN</b>
Apr 26 2006	8"	11mmT6	F,PS,EL,OVAL,NND,R=F	
Apr 15 2007	31"	17mmT4	VB,PL,EON,BNUC,HISB,R=G	
Apr 05 2005	8"	11mmT6	MF,ML,EL,EON,FNUC,R=G	
<b>H44-5</b>	<b>NGC 2403</b>	<b>Cam</b>	<b>Galaxy Sc</b>	<b>CB,EL,VME,VGMBMN</b>
Oct 06 2004	8"	11mmT6	MB,EL,OVAL,NND,R=G	
Nov 26 2006	1.9"	12x50	PF,PS,OVAL,AV,R=F	
<b>H44-7</b>	<b>NGC 7510</b>	<b>Cep</b>	<b>Open Cluster 10.0 II 3 r n</b>	<b>CL,PRI,PC,FAN-SH,B*P</b>
Mar 04 2006	8"	19mmW	B,S,R=G	
<b>H45-2</b>	<b>NGC 3193</b>	<b>Leo</b>	<b>Galaxy E2</b>	<b>B,S,VLE,PSLBM,*9NF</b>
Apr 26 2006	8"	11mmT6	PF,PS,R,NND,R=F	
Apr 15 2007	31"	17mmT4	VB,L,R,BNUC,HISB,R=G	
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
<b>H45-4</b>	<b>NGC 2392</b>	<b>Gem</b>	<b>Planetary Neb 3b+3b</b>	<b>B,S,R,*9M,*8NF100"</b>
Nov 06 2004	8"	11mmT6	NOT A BAD PLANETARY	
May 22 2015	12"	8mm Ds	NO FILTER NEEDED CENTRAL STAR VISIBLE	
Dec 04 2004	8"	7.5mmW	VB,R,HISB,R=E!!!	
<b>H45-5</b>	<b>NGC 3953</b>	<b>UMa</b>	<b>Galaxy SB(r)bc</b>	<b>CB,L,E0,VSMBLRN</b>
Mar 18 2007	8"	11mmT6	PB,PL,EL,OVAL,FNUC,MSB,R=G	
<b>H45-7</b>	<b>NGC 436</b>	<b>Cas</b>	<b>Open Cluster 10.0 I 2 m</b>	<b>CL,S,IF,PC</b>
Sep 19 2004	8"	7.5mmW	TYPICAL CLUSTER	
Oct 21 2012	8"	11mmT6	PF,PS,STARS=12-15,R=F	
Nov 26 2006	1.9"	12x50	F,PS,DIM PATCH,R=F	
<b>H46-5</b>	<b>NGC 3556</b>	<b>UMa M108</b>	<b>Galaxy SB(s)cd sp</b>	<b>CB,VL,VME79,PBM,R</b>
May 23 2015	12"	11mmT6		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 19 2006	8"	19mmW	FB,FL,EL,EON,RNUC,R=G	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 08 2007	1.9"	12x50	F,S,EON,NND,R=F	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Jul 15 2015	12"	17mmT4		
Dec 26 2003	8"	25mmPL	Q/M COLD	
Aug 20 2006	1.9"	12x50	PF,PS,OVAL,NND,R=F	
<b>H46-7</b>	<b>NGC 654</b>	<b>Cas</b>	<b>Open Cluster 10.0 II 2 r</b>	<b>CL,IF,RI,1*6.7,</b>
Sep 15 2004	8"	11mmT6	FEWER STARS	
Oct 21 2012	8"	11mmT6	F,S,LOOSE,STARS=15-20,R=F	
<b>H47-1</b>	<b>NGC 6712</b>	<b>Sct</b>	<b>Globular</b>	<b>GCL,PB,VL,IRR,RRR</b>
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	
Jul 21 2007	1.9"	12x50	F,PS,R=F	

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<b>H47-1</b>	<b>NGC 6712</b>	<b>Sct</b>	<b>Globular</b>	<b>GCL,PB,VL,IRR,RRR</b>
Jul 21 2007	1.9"	12x50	F,PS,R=F	
Jul 15 2006	8"	19mmW	PB,PS,R=G	
Aug 13 2007	31"	31mmT5	PB,PS,R=G, RESOLVE OUTER STARS	
<b>H47-5</b>	<b>NGC 3079</b>	<b>UMa</b>	<b>Galaxy SB(s)c sp</b>	<b>VB,L,ME135</b>
Mar 04 2006	8"	11mmT6	PF,FL,EON,NND,R=F	
<b>H47-7</b>	<b>NGC 1502</b>	<b>Cam</b>	<b>Open Cluster 7.0 I 3 m</b>	<b>CL,PRI,CC,IF</b>
Oct 06 2004	8"	11mmT6	OVAL,HISB,R=E	
Nov 26 2006	1.9"	12x50	COMPACT, BRIGHT, R=G	
<b>H48-1</b>	<b>NGC 6356</b>	<b>Oph</b>	<b>Globular</b>	<b>GCL,VB,CL,VGVMBM,RRR</b>
Jun 23 2004	8"	25mmPL	QUARTER MOON, LEFT @1:30AM.	
Jul 23 2016	12"	8mm Et	F,S,R=F. DID NOT RESOLVE	
Jul 21 2007	1.9"	12x50	PF,S,PATCH,R=F	
Jul 15 2006	8"	19mmW	PB,PS,R=G, DIM STARS	
<b>H48-7</b>	<b>NGC 559</b>	<b>Cas</b>	<b>Open Cluster 9.0 I 1 m</b>	<b>CL,B,PL,PRI</b>
Oct 21 2012	8"	11mmT6	B,S,V-SHAPE W/V-TOWARDSNE,SOME NEBULOSITY NOTED,R=G	
Oct 06 2004	8"	7.5mmW	HISB,R=F	
<b>H49-7</b>	<b>NGC 637</b>	<b>Cas</b>	<b>Open Cluster 8.0 I 2 m</b>	<b>CL,PS,B\$VF ST</b>
Oct 21 2012	8"	11mmT6	B,S,Y-SHAPED STARS=10-12,SOME NEBULOSITY NOTED,R=G	
Oct 06 2004	8"	7.5mmW	R=F, NOT MANY STARS	
<b>H50-2</b>	<b>NGC 3607</b>	<b>Leo</b>	<b>Galaxy SA(s)0^:</b>	<b>VB,L,R,VMBM,2ND OF 3</b>
May 12 2004	8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5	
Mar 10 2004	8"	25mmPL	N/M, NO COMPUTER	
Apr 26 2006	8"	11mmT6	PB,L,R,BNUC,HISB,R=G	
<b>H50-4</b>	<b>NGC 6229</b>	<b>Her</b>	<b>Globular</b>	<b>GCL,VB,L,R,DISC,R</b>
Oct 24 2012	8"	11mmT6	PF,PS,R=F, THIS WAS THE FAINTEST OF THE FOUR FOR THE NIGHT.	
May 30 2016	12"	8mm Ds	B,S,R=G. NICE SPOT.	
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	
Jun 17 2016	12"	8mm Ds	COULD NOT RESOLVE	
<b>H51-2</b>	<b>NGC 3608</b>	<b>Leo</b>	<b>Galaxy E2</b>	<b>B,PL,R,PSBM,3RD OF 3</b>
Mar 10 2004	8"	25mmPL	N/M, NO COMPUTER	
Apr 26 2006	8"	11mmT6	B,CL,OVAL,NND,R=F	
<b>H51-4</b>	<b>NGC 6818</b>	<b>Sgr</b>	<b>Planetary Neb 4</b>	<b>PLN,B,VS,R</b>
Sep 19 2014	12"	11mmT6	B,S,ROUND DOT, HOME - 8/14/14	
Jul 09 2005	8"	11mmT6	VB,VS,R,R=G	
<b>H51-7</b>	<b>NGC 7062</b>	<b>Cyg</b>	<b>Open Cluster 10.1 II 2 m</b>	<b>CL,PS,PRI,PC,ST13...</b>
Jul 23 2006	8"	19mmW	PB,PS,R=F	
<b>H52-1</b>	<b>NGC 7006</b>	<b>Del</b>	<b>Globular</b>	<b>B,PL,R,GBM</b>
Oct 21 2006	31"	20mmUW	FB,L,STELLAR, RESOLVE OUTERMOST STARS.	
Jun 26 2004	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON	
Jul 23 2006	8"	7.5mmW	VF,CS,R,R=F	
<b>H52-2</b>	<b>NGC 3626</b>	<b>Leo</b>	<b>Galaxy S0-a</b>	<b>B,S,VLE,SBM</b>
Mar 10 2004	8"	25mmPL	N/M, NO COMPUTER	
Apr 26 2006	8"	11mmT6	B,PS,OVAL,FNUC,MSB,R=F	
<b>H52-5</b>	<b>NGC 3359</b>	<b>UMa</b>	<b>Galaxy SB(rs)c</b>	<b>PB,L,E0,GLBM</b>
Apr 09 2010	12"	11mmT6	PF,PS,OVAL,PEXT,FNUC,R=G	
<b>H53-1</b>	<b>NGC 7331</b>	<b>Peg</b>	<b>Galaxy SA(s)b</b>	<b>B,PL,PME163,SMBM</b>
Sep 13 2009	12"	32mmUW	3RD OBJECT	

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<b>H53-1</b>	<b>NGC 7331</b>	<b>Peg</b>	<b>Galaxy SA(s)b</b>	<b>B,PL,PME163,SMBM</b>
Sep 13 2009	12"	32mmUW	3RD OBJECT	
Sep 10 2015	12"	7mm TV	F,PS,EON,FNUC,R=G	
Sep 02 2016	12"	5.5mmN	PF,PS,EON,BNUC,R=E. SQM-19.96. 56 DEGREES AT 2125 HOURS	
Oct 21 2012	8"	11mmT6	SMALL SPINDLE, NOT ENOUGH APERATURE OR DARK ENOUGH SKIES.	
Oct 07 2010	12"	17mmAT	F,PS,EON,BNUC,HSB,R=G,PA=10	
Jul 23 2006	8"	11mmT6	PB,PL,EON,FNUC,R=G	
Jul 16 2004	31"	20mmUW	9.5 PHOTO MAG. BRIGHTER YET.	
Jul 16 2004	8"	25mmPL	9.5 PHOTO MAG. BRIGHT	
Jul 13 2013	18"	7mm TV	EYE CANDY. ALWAYS GREAT TO LOOK AT.	
Aug 21 2015	12"	8mm Ds		
<b>H53-4</b>	<b>NGC 1501</b>	<b>Cam</b>	<b>Planetary Neb 3</b>	<b>PLN,PB,PS,VLE,1'DIAM</b>
Oct 06 2004	8"	11mmT6	MB,OVAL,HISB,R=G	
<b>H53-7</b>	<b>NGC 7209</b>	<b>Lac</b>	<b>Open Cluster 9.0 III 1 m</b>	<b>CL,L,CRI,PC,ST9...12</b>
Nov 09 2006	8"	19mmW	LARGE AND LOOSE,R=F	
Jun 26 2004	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON	
Jul 24 2006	8"	11mmT6	PB,PS,R=G	
Jul 21 2007	1.9"	12x50	PB,PL,R=G	
Jul 21 2004	8"	25mmPL	SHORT NIGHT - CLOUDS ROLLED IN.	
<b>H54-4</b>	<b>NGC 4143</b>	<b>CVn</b>	<b>Galaxy SAB(s)0^</b>	<b>CB,R,VG,VSBMN</b>
Mar 29 2006	8"	19mmW	DIFF,F,L,OVAL,NND,R=F	
<b>H55-1</b>	<b>NGC 7479</b>	<b>Peg</b>	<b>Galaxy SB(s)c</b>	<b>PB,CL,ME12,BET2ST</b>
Sep 24 2016	12"	8mm Et	F,S,R,UB,NND,R=F	
Sep 19 2004	8"	7.5mmW	VF,EL,NND,R=F	
<b>H55-2</b>	<b>NGC 4394</b>	<b>Com</b>	<b>Galaxy (R)SB(r)b</b>	<b>PB,LE,BM</b>
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
Apr 26 2006	8"	11mmT6	PF,PS,R,NND,R=F	
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
<b>H55-7</b>	<b>NGC 7762</b>	<b>Cep</b>	<b>Open Cluster 11.0 II 2 m</b>	<b>CL,PRI,PC,*11...15</b>
Nov 13 2007	8"	11mmT6	PF,PS,FAINT,R=F	
<b>H56-1</b>	<b>NGC 2903</b>	<b>Leo</b>	<b>Galaxy SAB(rs)bc</b>	<b>CB,VL,E,GMBM,R,SPOF2</b>
May 12 2004	8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5	
Mar 10 2004	8"	25mmPL	N/M, NO COMPUTER	
Feb 17 2012	18"	11mmT6	OBSERVED WITH 18" ASTROSYSTEMS	
Apr 26 2006	8"	19mmW	PB,PL,EL,EON,BNUC,HISB,R=G	
Apr 05 2004	8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**	
<b>H56-2</b>	<b>NGC 4450</b>	<b>Com</b>	<b>Galaxy SA(s)ab</b>	<b>B,L,R,GVMBM*,R,B*SP</b>
May 17 2005	31"	11mmT6	MF,MS,OVAL,NND,R=F	
<b>H56-4</b>	<b>NGC 4051</b>	<b>UMa</b>	<b>Galaxy SAB(rs)bc</b>	<b>B,VL,E,VGVSBM*11</b>
Mar 18 2007	8"	11mmT6	PF,L,R,NND,AV,R=F	
<b>H56-7</b>	<b>NGC 7790</b>	<b>Cas</b>	<b>Open Cluster 10.0 II 2 m</b>	<b>CL,PRI,PC</b>
Sep 15 2004	8"	11mmT6	LIGHT CLOUDS IN & OUT	
<b>H56-8</b>	<b>NGC 6910</b>	<b>Cyg</b>	<b>Open Cluster 9.6 I 3 m n</b>	<b>CL,PB,PS,P,PC,*20.12</b>
Oct 08 2006	1.9"	12x50	PF,PS,R=F	
Jun 26 2004	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON	
Jul 23 2006	8"	19mmW	CB,PS,R=F,BRIGHTER,TIGHTER	
<b>H57-7</b>	<b>NGC 2192</b>	<b>Aur</b>	<b>Open Cluster 14.0 II 2 m</b>	<b>CL,CL,C,IF,ST VS</b>
Jan 26 2006	8"	19mmW	R=F, SMALL, LOOSE , GROUP	

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<b>H57-7</b>	<b>NGC 2192</b>	<b>Aur</b>	<b>Open Cluster 14.0 II 2 m</b>	<b>CL,CL,C,IF,ST VS</b>
Jan 26 2006	8"	19mmW	R=F, SMALL, LOOSE , GROUP	
<b>H58-4</b>	<b>NGC 40</b>	<b>Cep</b>	<b>Planetary Neb 3b+3</b>	<b>F,VS,R,VSMBM,*12SP</b>
Oct 06 2004	8"	7.5mmW	MB,R,R=G	
Oct 05 2016	12"	11mmT6	B,VS,R=G. OIII HELPS. NOT SURE ABOUT CENTRAL STAR	
Nov 11 2009	12"	7.5mmW	B,PS,R=G, CENTRAL STAR VISIBLE	
<b>H58-7</b>	<b>NGC 2479</b>	<b>Pup</b>	<b>Open Cluster III 1 m</b>	<b>CL,PL,PRI,PC,ST S</b>
Mar 13 2007	8"	19mmW	F,S,R=F,LOOSE GROUP	
<b>H58-8</b>	<b>NGC 6997</b>	<b>Cyg</b>	<b>Open Cluster III 2 m n</b>	<b>CL,P,LC,ST L</b>
Nov 13 2007	8"	11mmT6	PF,PS,LOOSE GROUP, R=F	
Jul 16 2004	8"	25mmPL	CLEAR - SEEING NOT TOO BAD	
Aug 23 2004	8"	11mmT6	DAMP - SEEING NOT TOO BAD.	
<b>H59-7</b>	<b>NGC 6866</b>	<b>Cyg</b>	<b>Open Cluster 10.0 II 2 r</b>	<b>CL,L,VRI,CC</b>
Jul 23 2006	8"	19mmW	PB,PS,R=F,EXTENDED GROUP	
Jul 16 2004	8"	25mmPL	CLEAR - SEEING NOT TOO BAD	
<b>H59-8</b>	<b>NGC 1664</b>	<b>Aur</b>	<b>Open Cluster 10.0 III 1 p</b>	<b>CL,LRI,LC,PL</b>
Jan 26 2006	8"	19mmW	R=F,NOT TOO BAD	
Dec 28 2006	1.9"	12x50	F,S,PATCHY,AV,UNRESOLVED,R=F	
<b>H60-4</b>	<b>NGC 3310</b>	<b>UMa</b>	<b>Galaxy SAB(r)bc pec</b>	<b>CB,PL,R,VG,VSMBMN</b>
Mar 13 2007	8"	11mmT6	CB,PS,R,FNUC,R=G	
<b>H60-7</b>	<b>NGC 1513</b>	<b>Per</b>	<b>Open Cluster 11.0 II 1 m</b>	<b>CL,L,VRI,PC,ST VL</b>
Nov 21 2006	8"	11mmT6	F,L,COMPRESSED,R=F	
<b>H60-8</b>	<b>NGC 2311</b>	<b>Mon</b>	<b>Open Cluster 12.0 III 2 m</b>	<b>CL,LC,NOT RI</b>
Mar 29 2006	8"	19mmW	N.S.R=F	
<b>H61-1</b>	<b>NGC 2974</b>	<b>Sex</b>	<b>Galaxy E4</b>	<b>B,CS,IR,BM,*9SP43"</b>
Mar 13 2007	8"	11mmT6	PF,PS,OVAL,NND,R=F	
<b>H61-4</b>	<b>NGC 3992</b>	<b>UMa M109</b>	<b>Galaxy SB(rs)bc</b>	<b>CB,VL,PME,SBMBRN</b>
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 19 2006	8"	19mmW	F,FS,OVAL,NND,R=F	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 09 2004	8"	25mmPL	COMPTER = ARGO NAVIS	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Jul 15 2015	12"	17mmT4		
<b>H61-7</b>	<b>NGC 1528</b>	<b>Per</b>	<b>Open Cluster 10.0 II 2 m</b>	<b>CL,B,VRI,CC</b>
Nov 27 2006	1.9"	12x50	F,PS,COARSE GROUP,R=F	
Nov 21 2006	8"	11mmT6	PB,PL,LOOSE GROUP,R=G	
<b>H61-8</b>	<b>NGC 1778</b>	<b>Aur</b>	<b>Open Cluster 10.1 III 2 p</b>	<b>CL,PC,LRI,IF,ST L</b>
Jan 26 2006	8"	19mmW	R=P FEW STARS	
Dec 28 2006	1.9"	12x50	PF,PS,PATCHY,AV,UNRESOLVED,R=F	
<b>H62-4</b>	<b>NGC 3982</b>	<b>UMa</b>	<b>Galaxy SAB(r)b:</b>	<b>B,PL,R,G,SBM,DISC</b>
Mar 18 2007	8"	11mmT6	PF,L,OVAL,NND,=F	
<b>H62-7</b>	<b>NGC 6756</b>	<b>Aql</b>	<b>Open Cluster 13.0 I 1 m</b>	<b>CL,S,RI,LC,*11...12</b>
Jul 08 2004	8"	25mmPL	DIM - LOOKS LIKE P.N. IN 8	
<b>H63-1</b>	<b>NGC 1052</b>	<b>Cet</b>	<b>Galaxy E4</b>	<b>B,PL,R,MBM*12</b>
Nov 21 2006	8"	11mmT6	B,L,R,FNUC,R=G	
<b>H64-1</b>	<b>NGC 1084</b>	<b>Eri</b>	<b>Galaxy SA(s)c</b>	<b>VB,PL,E,GPMBM</b>

## Herschel 400 (I) Observations

<b>H64-1</b>	<b>NGC 1084</b>	<b>Eri</b>	<b>Galaxy SA(s)c</b>	<b>VB,PL,E,GPMBM</b>
Jan 26 2006	8"	11mmT6	MB,ML,OVAL,NND,R=F	
<b>H64-4</b>	<b>NGC 2440</b>	<b>Pup</b>	<b>Planetary Neb 5+3</b>	<b>PLN,CB,NOT VWELL DEF</b>
Mar 13 2007	8"	7.5mmW	F,PS,R=F,IRREGULAR IN SHAPE	
Feb 17 2012	18"	7mm TV	OIII FILTER - VERY NICE PLANETARY	
<b>H64-8</b>	<b>NGC 381</b>	<b>Cas</b>	<b>Open Cluster 10.0 III 1 m</b>	<b>CL,PC</b>
Sep 15 2004	8"	11mmT6	LIGHT CLOUDS IN & OUT	
<b>H65-1</b>	<b>NGC 4361</b>	<b>Crv</b>	<b>Planetary Neb 3a+2</b>	<b>VB,L,R,VSMBMN,R</b>
May 04 2005	8"	11mmT6	VF,VS,R,AV,R=F	
<b>H65-2</b>	<b>NGC 4429</b>	<b>Vir</b>	<b>Galaxy SA(r)0+</b>	<b>B,L,CE,PSBM,*10NF</b>
Apr 26 2006	8"	11mmT6	F,PS,EL,OVAL,UB,R=F	
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
<b>H65-8</b>	<b>NGC 659</b>	<b>Cas</b>	<b>Open Cluster 10.0 I 2 m</b>	<b>CL,LRI,ST B</b>
Sep 15 2004	8"	11mmT6	SMALLEST OF THREE IN GROUP	
Oct 21 2012	8"	11mmT6	PF,PS,STARS=10-12,R=F	
<b>H66-7</b>	<b>NGC 7142</b>	<b>Cep</b>	<b>Open Cluster 11.0 I 2 r</b>	<b>CL,CL,CRI,PC,*11..14</b>
Nov 03 2004	8"	11mmT6		
<b>H66-8</b>	<b>NGC 1027</b>	<b>Cas</b>	<b>Open Cluster 9.0 II 3 m n</b>	<b>CL,L,SC ST,ONE10M</b>
Oct 06 2004	8"	7.5mmW	R=F, SCATTERED STARS	
Nov 03 2004	8"	11mmT6		
<b>H67-1</b>	<b>NGC 3962</b>	<b>Crt</b>	<b>Galaxy E1</b>	<b>CB,PL,IR,GMBM,TRI2*</b>
Apr 26 2006	8"	19mmW	PF,PS,OVAL,NND,R=F	
<b>H67-7</b>	<b>NGC 2421</b>	<b>Pup</b>	<b>Open Cluster 11.0 I 2 r</b>	<b>CL,L,CRI,*11...13</b>
Mar 13 2007	8"	19mmW	F,PL,R=F,DIM PATCH	
<b>H67-8</b>	<b>NGC 7160</b>	<b>Cep</b>	<b>Open Cluster 7.0 I 3 p</b>	<b>CL,P,VLC</b>
Nov 09 2006	8"	19mmW	VS, COMPRESSED,R=F	
Jul 24 2006	8"	11mmT6	PB,S,R=F	
Jul 21 2007	1.9"	12x50	PF,PS,AV,R=F	
Aug 23 2004	8"	11mmT6	DAMP - SEEING NOT TOO BAD.	
<b>H68-1</b>	<b>NGC 4856</b>	<b>Vir</b>	<b>Galaxy SB(s)0/a</b>	<b>B,R,PSMBM,*13NP</b>
Apr 28 2006	31"	19mmW	CB,CL,EL,EON,BNUC,MSB,R=G	
Apr 16 2004	8"	25mmPL	CLEAR - PALM PILOT DIRECTED	
<b>H68-4</b>	<b>NGC 2950</b>	<b>UMa</b>	<b>Galaxy (R)SB(r)0^A</b>	<b>B,PS,R,VGVMBMN</b>
Mar 04 2006	8"	11mmT6	PB,PS,R,FNUC,,R=G	
<b>H68-8</b>	<b>NGC 2126</b>	<b>Aur</b>	<b>Open Cluster 13.0 III 2 m</b>	<b>CL,NOT RI,*7M NORTH</b>
Jan 26 2006	8"	19mmW	R=F, SMALL, LOOSE , GROUP	
<b>H69-8</b>	<b>NGC 7686</b>	<b>And</b>	<b>Open Cluster 7.0 III 2 p</b>	<b>CL,P,LC,*7...11</b>
Oct 06 2004	8"	11mmT6	EB,OVAL,HISB,R=G	
<b>H70-1</b>	<b>NGC 5634</b>	<b>Vir</b>	<b>Globular</b>	<b>GCL,VB,CL,R,GBM,RRR</b>
May 30 2016	12"	8mm Et	F,S,R=F	
Jun 23 2004	8"	25mmPL	QUARTER MOON, LEFT @1:30AM.	
Apr 28 2006	31"	19mmW	PB,CL,R,R=G, CAN'T RESOLVE STARTS. VIII	
Apr 14 2016	12"	11mmT6	SURPRISE IN VIRGO.	
<b>H71-2</b>	<b>NGC 4660</b>	<b>Vir</b>	<b>Galaxy E:</b>	<b>VB,S,VSVMBMN</b>
Apr 13 2005	8"	11mmT6	MF,VS,OVAL,NND,R=G	
<b>H71-8</b>	<b>NGC 2281</b>	<b>Aur</b>	<b>Open Cluster 8.0 I 3 m</b>	<b>CL,PRI,VLC,ST PL</b>
Nov 26 2006	1.9"	12x50	B,S,RESOLVE 4-5+,R=G	
Nov 09 2006	8"	19mmW	F,PS,R=F	



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<b>H71-8</b>	<b>NGC 2281</b>	<b>Aur</b>	<b>Open Cluster 8.0 I 3 m</b>	<b>CL,PRI,VLC,ST PL</b>
Nov 09 2006	8"	19mmW	F,PS,R=F	
Apr 05 2004	8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**	
<b>H72-8</b>	<b>NGC 6633</b>	<b>Oph</b>	<b>Open Cluster 8.0 III 2 m</b>	<b>CL,LC,ST L</b>
Oct 08 2006	1.9"	12x50	N.F.:R=G, DENSER GROUP	
Jun 23 2004	8"	25mmPL	QUARTER MOON, LEFT @1:30AM.	
Jul 15 2006	8"	32mmUW	VB,VL,LOOSE CLUSTER	
Jul 02 2017	12"	17mmT4	LOOSE CLUMP	
<b>H73-1</b>	<b>NGC 4150</b>	<b>Com</b>	<b>Galaxy SA(r)0<sup>^</sup>?</b>	<b>B,S,R,PGMBM</b>
Mar 29 2006	8"	11mmT6	B,L,R,FNUC,R=F	
<b>H73-4</b>	<b>NGC 6826</b>	<b>Cyg</b>	<b>Planetary Neb 3a+2</b>	<b>PLN,B,PL,R,*11M</b>
Sep 04 2004	8"	11mmT6	FAINT	
Oct 13 2006	8"	19mmW	VF,PS,R=F	
Nov 13 2007	8"	11mmT6	PB,PS,R,R=G, NO CENTRAL STAR	
Jul 19 2017	12"	11mmT6	F,PS,R=G. SQM=20.01. 71 DEGREES OUT.	
Aug 13 2010	31"	17mmT4	B,S,R=F, CENTRAL STAR OBSERVED AND NOTED	
<b>H74-1</b>	<b>NGC 4245</b>	<b>Com</b>	<b>Galaxy SB(r)0/a:</b>	<b>CB,PL,VLE,SMBM,R</b>
May 17 2005	31"	11mmT6	MF,VS,R,NND,R=F	
<b>H74-4</b>	<b>NGC 7023</b>	<b>Cep</b>	<b>Nebula R</b>	<b>*7IN EF,EL,NEBY</b>
Nov 13 2007	8"	19mmW	PF,PS,HINT OF NEBULOSITY,R=F	
<b>H75-1</b>	<b>NGC 4274</b>	<b>Com</b>	<b>Galaxy (R)SB(r)ab</b>	<b>VB,VL,E90,MBMN</b>
May 17 2005	31"	11mmT6	PF,PS,OVAL,NND,R=F	
<b>H75-2</b>	<b>NGC 4762</b>	<b>Vir</b>	<b>Galaxy SB(r)0<sup>^</sup>? sp</b>	<b>PB,VME31,3B*S,F OF 2</b>
Apr 28 2006	31"	19mmW	CB,VL,EON,BNUC,VHISB,R=G	
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
<b>H75-8</b>	<b>NGC 7243</b>	<b>Lac</b>	<b>Open Cluster 8.0 II 2 m</b>	<b>CL,L,P,LC,ST VL</b>
Nov 09 2006	8"	19mmW	TIGHTER,HINT OF NEB.,R=F	
Jul 24 2006	8"	11mmT6	PB,PL,R=G	
Jul 21 2007	1.9"	12x50	PB,PL,R=G	
Jul 21 2004	8"	25mmPL	SHORT NIGHT - CLOUDS ROLLED IN.	
<b>H76-1</b>	<b>NGC 4314</b>	<b>Com</b>	<b>Galaxy SB(rs)a</b>	<b>CB,L,E150,SBM,*NP</b>
May 17 2005	31"	11mmT6	PB,PS,OVAL,FNUC,MSB,R=G	
<b>H76-4</b>	<b>NGC 6946</b>	<b>Cep</b>	<b>Galaxy SAB(rs)cd</b>	<b>VF,VL,VG,VSBM,RR</b>
Oct 10 2004	8"	11mmT6	MF,OVAL,PATCH,NND,R=F	
Nov 03 2004	8"	11mmT6	MB,OVAL,NND,MSB,R=G	
Aug 31 2010	12"	7mm TV	DIFF,PF,S,OVAL,MEXT,UB,NND,R=G. PA=180	
<b>H77-1</b>	<b>NGC 4414</b>	<b>Com</b>	<b>Galaxy SA(rs)c?</b>	<b>VB,L,E,G,VSBM*</b>
May 17 2005	31"	11mmT6	PB,PL,OVAL,FNUC,MSB,R=G	
<b>H77-8</b>	<b>NGC 7380</b>	<b>Cep</b>	<b>Open Cluster 10.0 III 2 m n</b>	<b>CL,PL,PRI,LC,*9...13</b>
Jul 24 2006	8"	11mmT6	PB,CS,R=F	
Aug 21 2004	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
<b>H78-1</b>	<b>NGC 2985</b>	<b>UMa</b>	<b>Galaxy (R')SA(rs)ab</b>	<b>VB,CL,R,PSMBM,*INV F</b>
Mar 04 2006	8"	11mmT6	PB,FS,OVAL,FNUC,R=G	
<b>H78-8</b>	<b>NGC 225</b>	<b>Cas</b>	<b>Open Cluster 9.3 III 1 p n</b>	<b>CL,L,LC,*9...10</b>
Sep 24 2016	12"	11mmT6	B,L,R=F. SAILBOAT CLUSTER	
Sep 15 2004	8"	11mmT6	LIGHT CLOUDS IN & OUT	
Oct 21 2012	8"	11mmT6	PF,PS,STARS=22-30,R=G	
Dec 05 2015	12"	17mmT4		

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<b>H78-8</b>	<b>NGC 225</b>	<b>Cas</b>	<b>Open Cluster 9.3 III 1 p n</b>	<b>CL,L,LC,*9...10</b>
Dec 05 2015	12"	17mmT4		
<b>H79-1</b>	<b>NGC 3147</b>	<b>Dra</b>	<b>Galaxy SA(rs)bc</b>	<b>VB,L,R,VGVSVMBM</b>
Sep 02 2016	12"	8mm Et	PF,PS,R,FNUC,R=F, 2 STARS TO SOUTHEAST.	
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	
Jul 25 2017	12"	11mmT6	PF,PS,OVAL,MEXT,NND,R=F	
Jul 23 2006	8"	11mmT6	PF,PS,OVAL,NND,R=F	
<b>H79-4</b>	<b>NGC 3034</b>	<b>UMa M82</b>	<b>Galaxy I0 sp</b>	<b>VB,VL,VME(RAY)</b>
Sep 19 2014	12"	17mmAT	5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14	
May 14 2017	12"	11mmT6	EXCELLENT	
May 04 2005	8"	19mmW	VB,ML,EL,EON,BNUC,VHISB,R=E!	
Mar 30 2014	28"	17mmAT	SUPER NOVA IN M-82. NEAT TO SEE. M-82 LOOKED GREAT WITH THE DUST LANES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 19 2006	8"	19mmW	PB,PL,EON,FNUC,R=G	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 08 2007	1.9"	12x50	FB,FS,OVAL,NND,R=F	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Jul 25 2017	12"	11mmT6	NOT BAD	
Jul 01 2016	12"	8mm Et	EYE CANDY	
Feb 28 2004	8"	25mmPL	COMPTER = ARGO NAVIS	
Dec 30 2003	8"	25mmPL	H/M COLD	
Aug 20 2006	1.9"	12x50	PB,L,OVAL,FNUC,R=G	
Apr 14 2016	12"	8mm Ds	F,S,PEXT,NND,R=G,BRIGHT KNOT ON ONE END.	
Apr 14 2004	31"	17mmT4	CLEAR NIGHT - MEGASTAR CONTROL	
Apr 05 2004	8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**	
<b>H79-8</b>	<b>NGC 129</b>	<b>Cas</b>	<b>Open Cluster 11.0 III 2 m</b>	<b>CL,VL,PR,LC,*9...13</b>
Oct 21 2012	8"	11mmT6	B,L,R=G	
Oct 06 2004	8"	7.5mmW	OVAL,R=G	
Nov 26 2006	1.9"	12x50	F,L,DIM,RESOVLE 2-3 STARS,R=F	
Nov 09 2006	8"	19mmW	20+, LOOSE, SOME NEB. R=F	
<b>H80-8</b>	<b>NGC 1444</b>	<b>Per</b>	<b>Open Cluster 6.8 IV 1 p</b>	<b>CL OF AB30*12...14</b>
Nov 21 2006	8"	11mmT6	F,PS,COMPRESSED,R=F	
<b>H81-1</b>	<b>NGC 3344</b>	<b>LMi</b>	<b>Galaxy (R)SAB(r)bc</b>	<b>CB,L,GBM,*INV,2ST F</b>
May 15 2017	12"	7mm TV	F,PS,OVAL,UB,NND,R=G. 3 STARS SUPERIMPOSED ON GALAXY.	
Mar 23 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
Mar 13 2007	8"	11mmT6	PF,CL,OVAL,FNUC,R=F	
<b>H82-1</b>	<b>NGC 3900</b>	<b>Leo</b>	<b>Galaxy SA(r)0+</b>	<b>B,PL,VLE0,BMN</b>
Mar 29 2006	8"	11mmT6	F,L,OVAL,NND,R=F	
<b>H83-1</b>	<b>NGC 4494</b>	<b>Com</b>	<b>Galaxy E1-2</b>	<b>VB,PL,R,VSMBMN</b>
Apr 26 2006	8"	11mmT6	FB,FL,OVAL,FNUC,R=F	
Apr 16 2004	8"	25mmPL	CLEAR - MEGASTAR CONTROL	
<b>H85-8</b>	<b>NGC 1545</b>	<b>Per</b>	<b>Open Cluster 9.0 IV 2 p</b>	<b>CL,PRI,LC,ST L</b>
Nov 21 2006	8"	11mmT6	B,L,VERY LOOSE,R=F	
<b>H86-1</b>	<b>NGC 3245</b>	<b>LMi</b>	<b>Galaxy SA(r)0^:?</b>	<b>VB,PL,E0, SMBMEN</b>
May 25 2014	18"	8mm Ds	PF,PS,OVAL,MEXT,BNUC,R=G	
Mar 23 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	

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<b>H86-1</b>	<b>NGC 3245</b>	<b>LMi</b>	<b>Galaxy SA(r)0<sup>+</sup>?</b>	<b>VB,PL,E0, SMBMEN</b>
Mar 23 2004	8"	25mmPL	COMPUTER = ARGONAVIS	
Mar 13 2007	8"	11mmT6	PF,PS,OVAL,NND,R=F	
<b>H86-2</b>	<b>NGC 4350</b>	<b>Com</b>	<b>Galaxy SA0 sp</b>	<b>CB,VS,ME,VSBM</b>
May 17 2005	31"	11mmT6	MB,PS,EL,OVAL,FNUC,MSB,R=G	
Mar 30 2014	18"	7mm TV	VF,PS,OVAL,UB,NND,AV,R=P	
<b>H87-1</b>	<b>NGC 3486</b>	<b>LMi</b>	<b>Galaxy SAB(r)c</b>	<b>CB,CL,R,GMBM</b>
May 15 2017	12"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F	
Mar 23 2004	8"	25mmPL	COMPUTER = ARGONAVIS	
Mar 13 2007	8"	11mmT6	VF,CL,R,NND,AV,R=F	
<b>H88-1</b>	<b>NGC 3504</b>	<b>LMi</b>	<b>Galaxy (R)SAB(s)ab</b>	<b>B,L,E,MBMN,RR,P OF 2</b>
Mar 29 2006	8"	11mmT6	F,S,R,UB,R=F	
<b>H88-8</b>	<b>NGC 1342</b>	<b>Per</b>	<b>Open Cluster 8.0 III 2 m</b>	<b>CL,VL,AB60*</b>
Oct 29 2006	8"	19mmW	B,COARSE CL, R,R=F	
Nov 21 2006	8"	11mmT6	B,L,LOOSE,30+STARS,R=G	
<b>H89-1</b>	<b>NGC 4251</b>	<b>Com</b>	<b>Galaxy SB0? sp</b>	<b>VB,S,E,VSVMBMN,*F90S</b>
May 17 2005	31"	11mmT6	MB,ML,EL,EON,FNUC,MSB,R=G	
<b>H90-1</b>	<b>NGC 4278</b>	<b>Com</b>	<b>Galaxy E1-2</b>	<b>VB,PL,R,MBM,R,1STOF3</b>
May 17 2005	31"	11mmT6	PB,PL,R,BNUC,R=G	
Apr 16 2009	16"	17mmT4	PB,PS,R,FNUC,HSB,R=G	
<b>H91-1</b>	<b>NGC 4448</b>	<b>Com</b>	<b>Galaxy SB(r)ab</b>	<b>B,L,E90,SBM</b>
May 17 2005	31"	19mmW	VF,PS,EL,NND,R=G	
<b>H92-1</b>	<b>NGC 4559</b>	<b>Com</b>	<b>Galaxy SAB(rs)cd</b>	<b>VB,VL,ME150,GBM,3*F</b>
Apr 13 2005	8"	7.5mmW	MB,ML,EL,FNUC,R=G	
<b>H94-1</b>	<b>NGC 3813</b>	<b>UMa</b>	<b>Galaxy SA(rs)b:</b>	<b>CB,PL,PME90,BM</b>
Mar 17 2007	8"	11mmT6	CF,CS,OVAL,NND,R=F	
<b>H95-1</b>	<b>NGC 4214</b>	<b>CVn</b>	<b>Galaxy IBm</b>	<b>CB,CL,IE,BIN</b>
Mar 29 2006	8"	11mmT6	F,PS,R,NND,R=F	
<b>H96-1</b>	<b>NGC 5005</b>	<b>CVn</b>	<b>Galaxy SAB(rs)bc</b>	<b>VB,VL,VME66,VSBMN</b>
Apr 26 2006	8"	11mmT6	PB,PL,EON,BNUC,R=G	
Apr 16 2004	8"	25mmPL	CLEAR - MEGASTAR CONTROL	
Apr 06 2010	12"	11mmT6	PB,PS,EON,BNUC,R=G	
<b>H97-1</b>	<b>NGC 5033</b>	<b>CVn</b>	<b>Galaxy SA(s)c</b>	<b>VB,PL,E167,SMBMVBN</b>
Apr 26 2006	8"	11mmT6	B,L,EON,ND,R=F	
Apr 16 2004	8"	25mmPL	CLEAR - MEGASTAR CONTROL	
Apr 06 2010	12"	11mmT6	PF,PS,EXT,OVAL,UB,NND,R=F	
<b>H98-1</b>	<b>NGC 5273</b>	<b>CVn</b>	<b>Galaxy SA(s)0<sup>+</sup></b>	<b>CB,PL,R,G,PSMBM</b>
Mar 29 2006	8"	11mmT6	PF,PS,R,NND,AV,R=F	
<b>H99-1</b>	<b>NGC 5557</b>	<b>Boo</b>	<b>Galaxy E1</b>	<b>CB,S,R,VSBM*</b>
Mar 29 2006	8"	11mmT6	F,S,R,FNUC,R=F	
<b>H99-2</b>	<b>NGC 3377</b>	<b>Leo</b>	<b>Galaxy E5-6</b>	<b>VB,CL,LE,SVMBMBN</b>
May 15 2017	12"	7mm TV	PF,PS,OVAL,FNUC,R=G	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGONAVIS	
Apr 26 2009	16"	17mmT4	PF,PS,OVAL,FNUC,R=F	
Apr 26 2006	8"	11mmT6	VF,PS,OVAL,NND,AV,R=F	
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
<b>H100-1</b>	<b>NGC 584</b>	<b>Cet</b>	<b>Galaxy E4</b>	<b>VB,PL,R,MBM,P OF 2</b>
Nov 21 2006	8"	11mmT6	B,PS,OVAL,FNUC,R=G	

## Herschel 400 (I) Observations

<b>H100-1</b>	<b>NGC 584</b>	<b>Cet</b>	<b>Galaxy E4</b>	<b>VB,PL,R,MBM,P OF 2</b>
Nov 21 2006	8"	11mmT6	B,PS,OVAL,FNUC,R=G	
<b>H101-1</b>	<b>NGC 779</b>	<b>Cet</b>	<b>Galaxy SAB(r)b</b>	<b>CB,L,ME162,MBM</b>
Nov 21 2006	8"	11mmT6	F,L,EON,NND,R=F	
<b>H101-2</b>	<b>NGC 3489</b>	<b>Leo</b>	<b>Galaxy SAB(rs)0+</b>	<b>VB,PL,LE80,SMBMN</b>
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
Apr 26 2006	8"	11mmT6	FB,FS,OVAL,UB,FNUC,R=G	
<b>H102-1</b>	<b>NGC 1022</b>	<b>Cet</b>	<b>Galaxy (R')SB(s)a</b>	<b>CB,PL,R,MBM,*11NF 2'</b>
Nov 21 2006	8"	11mmT6	PF,L,OVAL,NND,R=F	
<b>H103-1</b>	<b>NGC 6934</b>	<b>Del</b>	<b>Globular</b>	<b>GCL,B,L,R,RRR,*16...</b>
Oct 25 2009	12"	11mmT6	PB,PS,R=G. RESOLVE OUTER STARTS ONLY	
Oct 08 2006	1.9"	12x50	F,S,R=F, SMALL SMUDGE.	
Jun 26 2004	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON	
Jul 23 2006	8"	7.5mmW	PB,CS,R,R=G	
Aug 31 2008	31"	17mmT4	PB,PS,R=G	
Aug 20 2006	1.9"	12x50	B,L,R=G	
<b>H104-1</b>	<b>NGC 7606</b>	<b>Aqr</b>	<b>Galaxy SA(s)b</b>	<b>PF,CL,PME0</b>
Oct 06 2004	8"	11mmT6	MB,EL,EON,NND,R=G	
<b>H105-1</b>	<b>NGC 720</b>	<b>Cet</b>	<b>Galaxy E5</b>	<b>CB,PL,LE,PSMBM</b>
Nov 21 2006	8"	11mmT6	B,PS,OVAL,NND,R=F	
<b>H107-1</b>	<b>NGC 1407</b>	<b>Eri</b>	<b>Galaxy E0</b>	<b>VB,L,R,SVMBMN</b>
Nov 21 2006	8"	11mmT6	PF,L,R,NND,R=G	
Nov 08 2010	12"	11mmT6	PF,PS,R,BNUC,R=G	
<b>H110-1</b>	<b>NGC 7723</b>	<b>Aqr</b>	<b>Galaxy SB(r)b</b>	<b>CB,CL,E,GMBM,R</b>
Oct 06 2004	8"	11mmT6	MB,OVAL,NND,R=G	
<b>H111-1</b>	<b>NGC 7727</b>	<b>Aqr</b>	<b>Galaxy SAB(s)a pec</b>	<b>PB,PL,IR,MBM</b>
Oct 06 2004	8"	11mmT6	MB,OVAL,FNUC,R=G	
<b>H112-1</b>	<b>NGC 772</b>	<b>Ari</b>	<b>Galaxy SA(s)b</b>	<b>B,CL,R,GBM,R</b>
Nov 03 2004	8"	11mmT6	MF,EL,OVAL,NND,R=F	
Dec 04 2004	8"	11mmT6	MB,EL,OVAL,NND,MSB,R=G	
<b>H113-2</b>	<b>NGC 4419</b>	<b>Com</b>	<b>Galaxy SB(s)a sp</b>	<b>B,PME135,SBM</b>
May 17 2005	31"	11mmT6	MB,ML,EL,EON,FNUC,MSB,R=G	
<b>H114-1</b>	<b>NGC 2964</b>	<b>Leo</b>	<b>Galaxy SAB(r)bc:</b>	<b>B,VL,LE,VGBM,SP OF 3</b>
Feb 10 2005	8"	11mmT6	MB,ML,EL,OVAL,PATCHY,NND,MSB,R=G	
<b>H114-2</b>	<b>NGC 4473</b>	<b>Com</b>	<b>Galaxy E5</b>	<b>PB</b>
May 14 2017	12"	11mmT6	PF,PS,OVAL,MEXT,FNUC,R=G	
Apr 26 2006	8"	11mmT6	PB,CS,OVAL,FNUC,R=G	
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
<b>H115-2</b>	<b>NGC 4477</b>	<b>Com</b>	<b>Galaxy SB(s)0:?</b>	<b>PB,CL</b>
May 14 2017	12"	11mmT6	PF,PS,R,FNUC,R=G	
Apr 26 2006	8"	11mmT6	PB,CS,R,FNUC,R=G	
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
<b>H116-1</b>	<b>NGC 3395</b>	<b>LMi</b>	<b>Galaxy SAB(rs)cd pec:</b>	<b>CB,PS,ILE,1ST OF 2</b>
May 15 2017	12"	7mm TV	VF,PS,OVAL,MEXT,UB,NND,R=G. PAIRED W/NGC3396	
Mar 29 2006	8"	11mmT6	PF,PS,EL,OVAL,NND,R=F	
Mar 04 2006	8"	11mmT6	VF,VS,R,NND,R=F	
<b>H120-2</b>	<b>NGC 4548</b>	<b>Com M91</b>	<b>Galaxy SB(rs)b</b>	<b>B,L,LE,LBM</b>

## Herschel 400 (I) Observations

<b>H120-2</b>	<b>NGC 4548</b>	<b>Com M91</b>	<b>Galaxy SB(rs)b</b>	<b>B,L,LE,LBM</b>
May 06 2007	1.9"	12x50	VF,S,OVAL,NND,R=F	
Mar 26 2006	8"	19mmW	B,L,EON,NND,R=F	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGONAVIS	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGONAVIS	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Apr 26 2006	8"	11mmT6	B,L,EON,NND,R=F	
<b>H121-1</b>	<b>NGC 4030</b>	<b>Vir</b>	<b>Galaxy SA(s)bc</b>	<b>CB,L,VLE,PSMBM,BSTNR</b>
Apr 04 2005	8"	11mmT6	MB,OVAL,FNUC,MSB,R=G	
<b>H124-2</b>	<b>NGC 4478</b>	<b>Vir</b>	<b>Galaxy E2</b>	<b>PB,S,R,PSBM,2ND OF 3</b>
Apr 05 2005	8"	7.5mmW	MB,MS,R,FNUC,MSB,R=G	
<b>H126-1</b>	<b>NGC 5746</b>	<b>Vir</b>	<b>Galaxy SAB(rs)b? sp</b>	<b>B,L,VME170,BMBN</b>
May 04 2005	8"	11mmT6	VB,VL,EL,EON,FNUC,R=G	
<b>H126-2</b>	<b>NGC 4654</b>	<b>Vir</b>	<b>Galaxy SAB(rs)cd</b>	<b>F,VL,PME,(D),3*NR</b>
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
Apr 08 2005	8"	11mmT6	VF,ML,NND,R=F	
<b>H128-1</b>	<b>NGC 5846</b>	<b>Vir</b>	<b>Galaxy E0-1</b>	<b>VB,PL,R,PSBMN,F*INVS</b>
May 19 2010	12"	7.5mmW	PF,PS,R,FNUC,R=G	
Jun 23 2004	8"	25mmPL	QUARTER MOON, LEFT @1:30AM.	
Apr 28 2006	31"	19mmW	CB,CL,R,FNUC,R=G	
<b>H128-2</b>	<b>NGC 4689</b>	<b>Com</b>	<b>Galaxy SA(rs)bc</b>	<b>PB,VL,E,VGLBM,R</b>
May 04 2005	8"	11mmT6	MF,ML,R,NND,R=F	
<b>H129-1</b>	<b>NGC 4699</b>	<b>Vir</b>	<b>Galaxy SAB(rs)b</b>	<b>VB,R,VMBMRN,R</b>
Apr 28 2006	31"	19mmW	CB,CL,OVAL,BNUC,HISB,R=G	
Apr 16 2004	8"	25mmPL	CLEAR - PALM PILOT DIRECTED	
<b>H130-1</b>	<b>NGC 4958</b>	<b>Vir</b>	<b>Galaxy SB(r)0? sp</b>	<b>VB,PS,E,BMBN</b>
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
Apr 28 2006	31"	19mmW	CB,P,EON,BNUC,HISB,R=G	
<b>H134-1</b>	<b>NGC 4781</b>	<b>Vir</b>	<b>Galaxy SB(rs)d</b>	<b>CB,VL,ME</b>
Apr 13 2005	8"	11mmT6	MF,ML,EL,NND,R=F	
<b>H137-1</b>	<b>NGC 2859</b>	<b>LMi</b>	<b>Galaxy (R)SB(r)0+</b>	<b>VB,PL,R,SMBM</b>
Mar 13 2007	8"	11mmT6	PF,S,R,NND,R=F	
<b>H139-1</b>	<b>NGC 4303</b>	<b>Vir M61</b>	<b>Galaxy SAB(rs)bc</b>	<b>VB,VL,VSBM*,BIN</b>
May 06 2007	1.9"	12x50	PB,PS,OVAL,NND,R=G	
Mar 26 2006	8"	19mmW	DIFF,F,L,OVAL,NND,R=F	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGONAVIS	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGONAVIS	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
<b>H139-2</b>	<b>NGC 4261</b>	<b>Vir</b>	<b>Galaxy E2-3</b>	<b>PB,PS,R,GBM</b>
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
Apr 26 2006	8"	11mmT6	B,L,OVAL,FNUC,MSB,R=G	
Apr 14 2016	12"	11mmT6	PF,PS,R,FNUC,R=F	

## Herschel 400 (I) Observations

<b>H139-2</b>	<b>NGC 4261</b>	<b>Vir</b>	<b>Galaxy E2-3</b>	<b>PB,PS,R,GBM</b>
Apr 14 2016	12"	11mmT6	PF,PS,R,FNUC,R=F	
<b>H142-1</b>	<b>NGC 4664</b>	<b>Vir</b>	<b>Galaxy SB(s)0/a</b>	<b>PB,2S*IN M,(=4665)</b>
Jun 07 2010	12"	11mmT6	PF,PS,OVAL,UB,NND,R=F	
Apr 14 2016	12"	11mmT6	PF,PS,R,UB,NND,R=G	
<b>H143-1</b>	<b>NGC 4900</b>	<b>Vir</b>	<b>Galaxy SB(rs)c</b>	<b>CB,CE,*10ATT POS135</b>
Apr 28 2006	31"	19mmW	FB,PL,R,UB,NND,R=F	
<b>H144-1</b>	<b>NGC 5566</b>	<b>Vir</b>	<b>Galaxy SB(r)ab</b>	<b>B,PL,R,PSBM,R,*F1.5'</b>
May 30 2016	12"	8mm Ds	PF,PS,PEXT,FNUC,R=G	
May 23 2012	18"	8.8 ES	PB,PS,OVAL,PEXT,BNUC,R=G, PAIRED WITH NGC-5569	
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
Apr 28 2006	31"	19mmW	CB,CL,EON,BNUC,HISB,R=G	
<b>H146-1</b>	<b>NGC 5576</b>	<b>Vir</b>	<b>Galaxy E3</b>	<b>B,S,R,VSMBM,F OF 2</b>
May 30 2016	12"	7mm TV	F,PS,OVAL,MEXT,FNUC,R=F	
Apr 28 2006	31"	19mmW	B,L,OVALBNUC,HISB,R=G	
<b>H149-1</b>	<b>NGC 6342</b>	<b>Oph</b>	<b>Globular</b>	<b>CB,PS,LE,ER</b>
Jun 23 2004	8"	25mmPL	QUARTER MOON, LEFT @1:30AM.	
Jul 15 2006	8"	19mmW	VF,PS,R=F, DIM, UNRESOLVED.	
Jul 01 2016	12"	7mm TV	PF,PS,R=F	
<b>H151-1</b>	<b>NGC 524</b>	<b>Psc</b>	<b>Galaxy SA(rs)0+</b>	<b>VB,PL,MBM,4S*NR</b>
Nov 21 2006	8"	11mmT6	PF,S,R,NND,R=F	
Aug 21 2004	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
<b>H153-1</b>	<b>NGC 908</b>	<b>Cet</b>	<b>Galaxy SA(s)c</b>	<b>CB,VL,E</b>
Nov 21 2006	8"	11mmT6	PF,L,OVAL,NND,R=F	
<b>H156-1</b>	<b>NGC 1023</b>	<b>Per</b>	<b>Galaxy SB(rs)0-</b>	<b>VB,VL,VME,VVMBM</b>
Sep 09 2010	12"	17mmAT	B,S,EON,BNUC,R=G,PA=165	
Oct 10 2004	8"	11mmT6	MB,EL,RNUC,R=G	
<b>H156-2</b>	<b>NGC 4442</b>	<b>Vir</b>	<b>Galaxy SB(s)0^</b>	<b>VB,PL,R,SMBM</b>
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
Apr 26 2006	8"	11mmT6	PB,CS,EON,FNUC,R=G	
<b>H157-1</b>	<b>NGC 672</b>	<b>Tri</b>	<b>Galaxy SB(s)cd</b>	<b>F,PL,ME80</b>
Oct 29 2008	16"	17mmT4	PF,PS,EON,FNUC,R=F	
Nov 24 2006	31"	20mmUWB	PL,EON,UB,NND,R=F	
Nov 10 2007	31"	17mmT4	PB,CL,EON,UB,NND,R=G	
Nov 09 2004	8"	11mmT6	VF,EL,NND,AV,R=F	
<b>H159-1</b>	<b>NGC 278</b>	<b>Cas</b>	<b>Galaxy SAB(rs)b</b>	<b>CB,PL,R,2*10NR</b>
Oct 05 2016	12"	11mmT6	F,S,FNUC,R=G	
Jul 23 2006	8"	11mmT6	PF,CS,R,NND,R=F	
Aug 21 2004	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
<b>H160-1</b>	<b>NGC 4546</b>	<b>Vir</b>	<b>Galaxy SB(s)0-</b>	<b>VB,CL,PME78,VSMBMN</b>
Apr 26 2006	8"	11mmT6	F,L,OVAL,NND,R=F	
Apr 16 2004	8"	25mmPL	CLEAR - PALM PILOT DIRECTED	
<b>H160-2</b>	<b>NGC 3686</b>	<b>Leo</b>	<b>Galaxy SB(s)bc</b>	<b>PB,L,VLE,VGBM,R</b>
Apr 26 2006	8"	11mmT6	VF,PS,OVAL,NND,AV,R=F	
<b>H161-1</b>	<b>NGC 4459</b>	<b>Com</b>	<b>Galaxy SA(r)0+</b>	<b>PB,PL,IR,BM,R,*8SF2'</b>
Apr 26 2006	8"	11mmT6	PF,PS,OVAL,NND,R=F	
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
<b>H162-1</b>	<b>NGC 4866</b>	<b>Vir</b>	<b>Galaxy SA(r)0+: sp</b>	<b>B,PL,ME90,SBMN,S*INV</b>

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<b>H162-1</b>	<b>NGC 4866</b>	<b>Vir</b>	<b>Galaxy SA(r)0+:</b>	<b>sp</b>	<b>B,PL,ME90,SBMN,S*INV</b>
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
Apr 28 2006	31"	19mmW	CN.VL,EON,BNUC,MSB,R=G		
<b>H163-1</b>	<b>NGC 3115</b>	<b>Sex</b>	<b>Galaxy S0-</b>	<b>sp</b>	<b>VB,L,VME46,VGSMBMEN</b>
Mar 15 2005	8"	11mmT6	VB,ML,EL,EON, FNUC,MSB,R=G		
<b>H164-1</b>	<b>NGC 3294</b>	<b>LMi</b>	<b>Galaxy SA(s)c</b>		<b>CB,L,ME135,GLBM</b>
May 15 2017	12"	7mm TV	PF,PS,OVAL,UB,NND,R=F		
Mar 13 2007	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
<b>H165-1</b>	<b>NGC 4151</b>	<b>CVn</b>	<b>Galaxy (R')SAB(rs)ab:</b>		<b>VB,S,R,VSMBMBN,P OF2</b>
Mar 29 2006	8"	11mmT6	F,S,OVAL,NND,R=F		
<b>H167-1</b>	<b>NGC 2782</b>	<b>Lyn</b>	<b>Galaxy SAB(rs)a pec</b>		<b>CB,R,MBMBN</b>
Mar 13 2007	8"	11mmT6	PF,PS,OVAL,NND,AV,R=F		
<b>H168-1</b>	<b>NGC 3184</b>	<b>UMa</b>	<b>Galaxy SBc</b>		<b>PB,VL,R,VGBM</b>
Mar 13 2007	8"	11mmT6	VF,S,R,NND,AV,R=F		
<b>H172-1</b>	<b>NGC 3432</b>	<b>LMi</b>	<b>Galaxy SB(s)m sp</b>		<b>PB,PL,VME40,**NR SP</b>
May 15 2017	12"	7mm TV	PF,PS,EON,UB,NND,R=G		
Mar 29 2006	8"	11mmT6	F,L,EON,NND,R=F		
<b>H173-1</b>	<b>NGC 3941</b>	<b>UMa</b>	<b>Galaxy SB(s)0^</b>	<b>A</b>	<b>VB,PL,R,SMBM*9</b>
Mar 17 2007	8"	11mmT6	PB,CS,OVA,,BNUC,R=G		
<b>H175-1</b>	<b>NGC 4203</b>	<b>Com</b>	<b>Galaxy SAB0-:</b>		<b>VB,S,R,PSMBM</b>
May 17 2005	31"	11mmT6	MB,ML,R,FNUC,MHS,R=G		
Apr 06 2010	12"	11mmT6	PB,PS, R,FNUC,R=G		
<b>H176-1</b>	<b>NGC 4656</b>	<b>CVn</b>	<b>Galaxy SB(s)m pec</b>		<b>PB,L,VME34,SP OF 2</b>
May 04 2005	8"	11mmT6	VF,ML,EL,EON,NND,R=F		
<b>H177-2</b>	<b>NGC 5600</b>	<b>Boo</b>	<b>Galaxy Sc pec</b>		<b>PB,PS,GBM</b>
Jul 01 2016	12"	8mm Et	PF,PS,OVAL,UB,NND,R=F		
Aug 03 2008	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
<b>H178-1</b>	<b>NGC 4618</b>	<b>CVn</b>	<b>Galaxy SB(rs)m</b>		<b>B,L,E,MBM,CVDBRANCHN</b>
Mar 29 2006	8"	11mmT6	PF,PS,OVAL,NND,AV,R=F		
Apr 14 2010	16"	11mmT6	PF,PS,R,NND,R=F		
Apr 06 2010	12"	11mmT6	DIFF,PF,PS,R,NND,R=F		
<b>H186-1</b>	<b>NGC 5195</b>	<b>CVn</b>	<b>Galaxy I0 pec</b>		<b>B,PS,LE,VGBM,INV-M51</b>
May 30 2014	18"	8mm Ds	MORE DETAIL THAN THE 36". AT ZENITH		
May 30 2014	36"	17mmT4	GREAT VIEW.		
May 23 2015	12"	8mm Ds	COMPANION TO M51		
Jul 13 2013	18"	7mm TV	MORE EYE CANDY - MAYTAG GALAXY		
Aug 21 2015	12"	17mmT4			
Apr 26 2006	8"	11mmT6	PB,L,OVAL,FNUC,MSB,R=G		
Apr 16 2004	8"	25mmPL	CLEAR - MEGASTAR CONTROL		
Apr 14 2016	12"	8mm Ds	F,PS,R,UB,NND,R=F,COULD NOT SEE LINK TO M51		
<b>H188-1</b>	<b>NGC 5689</b>	<b>Boo</b>	<b>Galaxy SB(s)0/a:</b>		<b>CB,PL,E87,PSMBM</b>
May 04 2005	8"	11mmT6	MB,ML,EL,FNUC,R=G		
<b>H189-1</b>	<b>NGC 5676</b>	<b>Boo</b>	<b>Galaxy SA(rs)bc</b>		<b>B,L,E45,PGBM,R</b>
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
Apr 26 2006	8"	11mmT6	F,L,EL,OVAL,NND,R=F		
<b>H192-1</b>	<b>NGC 7008</b>	<b>Cyg</b>	<b>Planetary Neb 3</b>		<b>CB,L,E45,R,**ATT</b>
Aug 02 2005	8"	19mmW	FB,FL,R=G, BEHIND STAR		
<b>H193-1</b>	<b>NGC 650</b>	<b>Per M76</b>	<b>Planetary Neb 3+6</b>		<b>VB,P OF DNEB</b>

## Herschel 400 (I) Observations

<b>H193-1</b>	<b>NGC 650</b>	<b>Per M76</b>	<b>Planetary Neb 3+6</b>	<b>VB,P OF DNEB</b>
Oct 01 2006	1.9"	12x50	PF,PS,R,R=F	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 19 2006	8"	19mmW	PF,L,VLE,R=G	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGONAVIS	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Jul 24 2006	8"	11mmT6	PF,L,R,R=G	
Dec 26 2003	8"	25mmPL	Q/M COLD	
Dec 01 2004	31"	11mmT6	VB,HISB,R=E, SOLO EFFORT	
<b>H194-1</b>	<b>NGC 3675</b>	<b>UMa</b>	<b>Galaxy SA(s)b</b>	<b>VB,CL,VME0,VSMBMN</b>
Mar 17 2007	8"	11mmT6	PB,PL,EL,OVAL,BNUC,R=G	
<b>H195-1</b>	<b>NGC 4111</b>	<b>CVn</b>	<b>Galaxy SA(r)0+: sp</b>	<b>VB,PS,ME151</b>
Apr 13 2005	8"	11mmT6	VB,ML,EON,FNUC,MSB,R=G	
<b>H195-2</b>	<b>NGC 6287</b>	<b>Oph</b>	<b>Globular</b>	<b>GCL,CB,L,R,GPMC,R,R</b>
May 30 2016	12"	8mm Ds	VF,PS,R=F	
Jul 15 2015	12"	8mm Ds		
Jul 15 2006	8"	19mmW	CF,PS,R=F, DIM SMUDGE, NO STARS	
Jul 08 2004	8"	25mmPL	VERY CLEAR NIGHT - LEFT AT 1:00AM	
<b>H196-1</b>	<b>NGC 4138</b>	<b>CVn</b>	<b>Galaxy SA(r)0+</b>	<b>B,PL,E,VGBM,*NP</b>
Mar 26 2009	16"	17mmT4	PB,PS,OVAL,FNUC,R=F	
<b>H197-1</b>	<b>NGC 4485</b>	<b>CVn</b>	<b>Galaxy IB(s)m pec</b>	<b>B,PS,IR,NP OF 2</b>
Mar 29 2006	8"	11mmT6	PF,PS,R,NND,R=F	
<b>H198-1</b>	<b>NGC 4490</b>	<b>CVn</b>	<b>Galaxy SB(s)d pec</b>	<b>VB,VL,ME130,R,SF OF2</b>
Mar 29 2006	8"	11mmT6	F,S,OVAL,FNUC,R=F	
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
<b>H199-1</b>	<b>NGC 3198</b>	<b>UMa</b>	<b>Galaxy SB(rs)c</b>	<b>PB,VL,ME45,VGBM</b>
Mar 13 2007	8"	11mmT6	VF,S,EON,NND,AV,R=F	
<b>H199-2</b>	<b>NGC 6517</b>	<b>Oph</b>	<b>Globular</b>	<b>PB,PL,R,RR</b>
Jul 09 2005	8"	11mmT6	MF,ML,R=F	
Jul 03 2005	8"	11mmT6	VF,VS,AV,R=F	
<b>H200-1</b>	<b>NGC 2683</b>	<b>Lyn</b>	<b>Galaxy SA(rs)b</b>	<b>VB,VL,VME39,GMBM</b>
Mar 13 2007	8"	11mmT6	PB,PL,EON,FNUC,R=G	
<b>H201-1</b>	<b>NGC 3877</b>	<b>UMa</b>	<b>Galaxy SA(s)c:</b>	<b>B,L,ME37</b>
Mar 17 2007	8"	11mmT6	PF,PL,EON,NND,R=F	
Apr 14 2010	16"	11mmT6	PB,PL,EON,FNUC,R=G	
<b>H202-1</b>	<b>NGC 3949</b>	<b>UMa</b>	<b>Galaxy SA(s)bc:</b>	<b>CB,PL,PME,VGBM</b>
Mar 17 2007	8"	11mmT6	PF,S,OVAL,NND,R=F	
<b>H203-1</b>	<b>NGC 3938</b>	<b>UMa</b>	<b>Galaxy SA(s)c</b>	<b>B,VL,R,BMPBN,ER</b>
Mar 17 2007	8"	11mmT6	DIFF,PF,PL,OVAL,NND,R=F	
<b>H205-1</b>	<b>NGC 2841</b>	<b>UMa</b>	<b>Galaxy SA(r)b:</b>	<b>VB,L,VME151,VSMBM*10</b>
Mar 04 2006	8"	11mmT6	PB,PL,EON,FNUC,MSB,R=G	
<b>H206-1</b>	<b>NGC 4088</b>	<b>UMa</b>	<b>Galaxy SAB(rs)bc</b>	<b>B,CL,E55,LBM</b>
Mar 18 2007	8"	11mmT6	PF,L,EON,UB,NND,R=F	
<b>H207-2</b>	<b>NGC 7217</b>	<b>Peg</b>	<b>Galaxy (R)SA(r)ab</b>	<b>B,PL,GBM,ER</b>
Sep 24 2016	12"	8mm Et	B,S,R,FNUC,R=G	
Sep 15 2004	8"	7.5mmW	F.NND.AV.R=F	



## Herschel 400 (I) Observations

<b>H207-2</b>	<b>NGC 7217</b>	<b>Peg</b>	<b>Galaxy (R)SA(r)ab</b>	<b>B,PL,GBM,ER</b>
Sep 15 2004	8"	7.5mmW	F.NND.AV.R=F	
Sep 14 2012	36"	17mmT4	B,S,R,BNUC,R=G, SPIRAL STRUCTURE NOTED	
Jul 16 2004	8"	25mmPL	10.2 PHOTO MAG. VERY FAINT	
<b>H210-1</b>	<b>NGC 4346</b>	<b>CVn</b>	<b>Galaxy S0 sp</b>	<b>VF,S,ME100,VSMBMBN</b>
Mar 29 2006	8"	11mmT6	F,S,EON,FNUC,R=F	
<b>H211-1</b>	<b>NGC 4800</b>	<b>CVn</b>	<b>Galaxy SA(rs)b</b>	<b>PB,CS,R,PSBM,*14P</b>
Mar 29 2006	8"	11mmT6	PF,PS,R,NND,R=F	
<b>H213-1</b>	<b>NGC 4449</b>	<b>CVn</b>	<b>Galaxy IBm</b>	<b>VB,CL,ME,DORBIFID,*F</b>
Mar 13 2007	8"	11mmT6	PB,PL,OVAL,FNUC,MHISB,R=G	
Apr 16 2004	8"	25mmPL	CLEAR - MEGASTAR CONTROL	
<b>H214-1</b>	<b>NGC 5474</b>	<b>UMa</b>	<b>Galaxy S(c)</b>	<b>PB,L,BM</b>
Mar 18 2007	8"	11mmT6	VF,PS,R,NND,AV,R=F	
<b>H215-1</b>	<b>NGC 5866</b>	<b>Dra M102</b>	<b>Galaxy SA0+ sp</b>	<b>VB,CL,PME146,GBM</b>
Mar 26 2006	8"	19mmW	B,S,OVAL,FNUC,MSB,R=F	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
<b>H216-1</b>	<b>NGC 2787</b>	<b>UMa</b>	<b>Galaxy SB(r)0+</b>	<b>B,PL,LE90,MBM,R,*INV</b>
Mar 04 2006	8"	11mmT6	F,PS,R,NND,R=F	
<b>H217-1</b>	<b>NGC 1579</b>	<b>Per</b>	<b>Nebula R</b>	<b>PB,VL,IR,MBM,*8 2'NF</b>
Oct 31 2010	12"	11mmT6	PF,PS,R=F. FILTER NO HELP	
Oct 12 2012	18"	7mm TV	PF,S,NICE NEBULA,OIII NO HELP.R=G, FOUND LOOING FOR PAL2	
<b>H218-1</b>	<b>NGC 2419</b>	<b>Lyn</b>	<b>Globular</b>	<b>PB,PL,LE90,VGBM,*4'F</b>
Dec 04 2004	8"	7.5mmW	OVAL,R=G	
<b>H219-1</b>	<b>NGC 3665</b>	<b>Leo</b>	<b>Galaxy SA(s)0^</b>	<b>CB,CL,IR,PGMBM</b>
Mar 17 2007	8"	11mmT6	PB,L,OVAL,BNUC,R=G	
<b>H221-1</b>	<b>NGC 3718</b>	<b>UMa</b>	<b>Galaxy SB(s)a pec</b>	<b>PB,VL,R,VGLBM</b>
May 23 2012	18"	8.8 ES	F,S,OVAL,MEXT,UB,NND,R=F	
Feb 23 2006	31"	17mmT4	VB,VL,OVAL,BNUC,HISB,R=G	
<b>H222-1</b>	<b>NGC 3729</b>	<b>UMa</b>	<b>Galaxy SB(r)a pec</b>	<b>PB,PL,LE0,GBM,*12NR</b>
Feb 23 2006	31"	17mmT4	FB,FL,R,BNUC,HISB,R=G	
<b>H223-1</b>	<b>NGC 4026</b>	<b>UMa</b>	<b>Galaxy S0 sp</b>	<b>VB,CL,ME176,VSVMBMBN</b>
Mar 18 2007	8"	11mmT6	PB,L,OVAL,FNUC,MSB,R=G	
<b>H224-1</b>	<b>NGC 4085</b>	<b>UMa</b>	<b>Galaxy SAB(s)c:?</b>	<b>B,PL,ME78,VSBM</b>
Mar 18 2007	8"	11mmT6	VF,PS,EL,EON,NND,AV,R=F	
<b>H224-2</b>	<b>NGC 404</b>	<b>And</b>	<b>Galaxy SA(s)0-:</b>	<b>PB,CL,R,GBM,</b>
Oct 06 2004	8"	7.5mmW	VB,EL,OVAL,FNUC,R=G	
Oct 05 2016	12"	8mm Et	PF,S,R,UB,NND,R=F	
Dec 01 2004	31"	11mmT6	MB,OVAL,FNUC,MSB,R=G, SOLO EFFORT	
<b>H225-1</b>	<b>NGC 4102</b>	<b>UMa</b>	<b>Galaxy SAB(s)b?</b>	<b>B,PS,R,BMBN,*12SPVNR</b>
Mar 18 2007	8"	11mmT6	PF,PS,EL,OVAL,UB,NND,R=F	
<b>H226-1</b>	<b>NGC 3631</b>	<b>UMa</b>	<b>Galaxy SA(s)c</b>	<b>PB,L,R,SVMBMRN</b>
Mar 17 2007	8"	11mmT6	B,PL,R,FNUC,R=G	
<b>H228-1</b>	<b>NGC 3898</b>	<b>UMa</b>	<b>Galaxy SA(s)ab</b>	<b>B,PL,LE,SVMBM</b>
Mar 17 2007	8"	11mmT6	PB,PS,OVALFNUC,R=G	

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<b>H228-1</b>	<b>NGC 3898</b>	<b>UMa</b>	<b>Galaxy SA(s)ab</b>	<b>B,PL,LE,SVMBM</b>
Mar 17 2007	8"	11mmT6	PB,PS,OVAL,FNUC,R=G	
<b>H229-1</b>	<b>NGC 3998</b>	<b>UMa</b>	<b>Galaxy SA(r)0^?</b>	<b>CB,PS,R,VG,SMBM</b>
Mar 18 2007	8"	11mmT6	PB,PL,OVAL,FNUC,MSB,R=G	
<b>H231-1</b>	<b>NGC 5473</b>	<b>UMa</b>	<b>Galaxy SAB(s)0-:</b>	<b>PB,S,R,GBM</b>
Sep 19 2014	12"	17mmAT	5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14	
Mar 18 2007	8"	11mmT6	PF,PS,OVAL,UB,NND,R=F	
<b>H233-2</b>	<b>NGC 7332</b>	<b>Peg</b>	<b>Galaxy S0 pec sp</b>	<b>CB,S,ME156,SMBMN,P-2</b>
Sep 24 2016	12"	8mm Et	F,S,EON,BNUC,R=G	
Sep 14 2012	36"	17mmT4	F,S,EON,BNUC,HSB,R=E, VERY NEAR NGC-7339	
Oct 21 2006	31"	20mmUW	VB,PL,EON,VBNUC,R=G,PAIR W/N7339	
Aug 25 2009	16"	11mmT6	PB,PS,EON,BNUC,R=G	
Aug 21 2004	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
<b>H236-1</b>	<b>NGC 5631</b>	<b>UMa</b>	<b>Galaxy SA(s)0^</b>	<b>B,S,R,PSBMN</b>
Mar 18 2007	8"	11mmT6	CF,CS,R,NND,R=F	
<b>H240-2</b>	<b>NGC 7814</b>	<b>Peg</b>	<b>Galaxy SA(s)ab: sp</b>	<b>CB,CL,E,VGBM</b>
Sep 24 2016	12"	8mm Et	B,S,EON,FNUC,R=G	
Oct 30 2008	16"	17mmT4	PF,PS,OVAL,UB,NND,R=F	
Nov 10 2007	31"	17mmT4	PB,PL,EL,OVAL,UB,NND,R=G	
Jul 23 2006	8"	11mmT6	CF,CS,OVAL,NND,AV,R=F	
Aug 25 2009	16"	11mmT6	PF,PS,EON,FNUC,R=F	
Aug 21 2015	12"	8mm Ds		
Aug 21 2004	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
<b>H242-1</b>	<b>NGC 2681</b>	<b>UMa</b>	<b>Galaxy (R')SAB(rs)0/a</b>	<b>VB,VL,VG,VSMBM*10</b>
May 10 2005	8"	11mmT6	MB,FS,R,FNUC,R=F	
<b>H244-1</b>	<b>NGC 3619</b>	<b>UMa</b>	<b>Galaxy (R)SA(s)0+:</b>	<b>CB,CL,R,VGMBM</b>
Mar 17 2007	8"	11mmT6	F,PS,R,NND,R=F	
<b>H245-1</b>	<b>NGC 3642</b>	<b>UMa</b>	<b>Galaxy SA(r)bc:</b>	<b>PB,PL,R,VGBM</b>
Mar 17 2007	8"	11mmT6	F,PL,OVAL,NND,R=F	
<b>H247-2</b>	<b>NGC 7177</b>	<b>Peg</b>	<b>Galaxy SAB(r)b</b>	<b>PB,PS,R,BMN,R,*SP</b>
Sep 24 2016	12"	8mm Et	PF,PS,OVAL,UB,NND,R=G	
Sep 01 2011	31"	17mmT4	PB,PS,OVAL,PEXT,BNUC,R=G	
Jul 21 2004	8"	25mmPL	SHORT NIGHT - CLOUDS ROLLED IN.	
<b>H249-1</b>	<b>NGC 2742</b>	<b>UMa</b>	<b>Galaxy SA(s)c:</b>	<b>CB,CL,E90,ER</b>
Mar 13 2007	8"	11mmT6	PF,PS,OVAL,NND,R=F	
<b>H250-1</b>	<b>NGC 2768</b>	<b>UMa</b>	<b>Galaxy E6:</b>	<b>CB,CL,LE,PSBMLBN</b>
Mar 04 2006	8"	11mmT6	MB,ML,OVAL,NND,R=F	
<b>H251-1</b>	<b>NGC 3945</b>	<b>UMa</b>	<b>Galaxy (R)SB(rs)0+</b>	<b>B,PL,R,GMBM,R,*12SP</b>
Mar 17 2007	8"	11mmT6	PF,S,OVAL,NND,R=F	
<b>H251-2</b>	<b>NGC 7448</b>	<b>Peg</b>	<b>Galaxy SA(rs)bc</b>	<b>PB,L,E173,VGBM,*F2'</b>
Sep 24 2016	12"	8mm Et	F,S,OVAL,FNUC,R=G	
Sep 12 2004	8"	11mmT6	F,EL,OVAL,NND,AV,F	
Sep 10 2015	12"	8mm Ds	F,PS,OVAL,MEXT,UB,NND,R=F	
Oct 26 2014	18"	8mm Ds	PF,PS,OVAL,MEXT,UB,NND,R=G	
Aug 21 2004	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
<b>H252-1</b>	<b>NGC 4041</b>	<b>UMa</b>	<b>Galaxy SA(rs)bc:</b>	<b>B,CL,R,G,PSVMBMRN</b>
Mar 18 2007	8"	11mmT6	PF,PL,R,NND,R=F	
<b>H252-3</b>	<b>NGC 488</b>	<b>Psc</b>	<b>Galaxy SA(r)b</b>	<b>PB,L,R,SVMBM,*8F10'</b>

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<b>H252-3</b>	<b>NGC 488</b>	<b>Psc</b>	<b>Galaxy SA(r)b</b>	<b>PB,L,R,SVMBM,*8F10'</b>
Nov 21 2006	8"	11mmT6	B,L,OVAL,FNUC,R=F	
Aug 21 2004	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
<b>H253-1</b>	<b>NGC 4036</b>	<b>UMa</b>	<b>Galaxy S0-</b>	<b>VB,VL,E</b>
Mar 18 2007	8"	11mmT6	PB,PL,EON,FNUC,MSB,R=G	
<b>H256-1</b>	<b>NGC 5322</b>	<b>UMa</b>	<b>Galaxy E3-4</b>	<b>VB,PL,IR,PSMBM</b>
Mar 18 2007	8"	11mmT6	PB,L,OVAL,FNUC,HISB,R=G	
<b>H258-1</b>	<b>NGC 1491</b>	<b>Per</b>	<b>Nebula E</b>	<b>VB,S,IF,BM,R,*INV</b>
Oct 31 2010	12"	11mmT6	PF,S,R=G,UHC FILTER,IRREGULAR IN SHAPE	
<b>H261-1</b>	<b>NGC 1931</b>	<b>Aur</b>	<b>Open Cluster I 3 p n</b>	<b>VB,L,R,B***IN M</b>
Nov 03 2004	8"	7.5mmW	NICE CLUSTER	
<b>H264-1</b>	<b>NGC 4250</b>	<b>Dra</b>	<b>Galaxy SAB(r)0+</b>	<b>PB,S,R,PGBM</b>
Aug 12 2010	12"	7mm TV	CF,PS,OVAL,UB,NND,R=F	
Aug 06 2010	12"	7mm TV	PF,CS,OVAL,UB,NND,R=F	
<b>H266-2</b>	<b>NGC 2613</b>	<b>Pyx</b>	<b>Galaxy SA(s)b</b>	<b>CB,L,VME110</b>
Mar 13 2007	8"	11mmT6	PF,PS,EON,NND,AV,R=F	
<b>H270-1</b>	<b>NGC 3610</b>	<b>UMa</b>	<b>Galaxy E5:</b>	<b>VB,PS,LE90,VSVMBMSN</b>
Mar 17 2007	8"	11mmT6	PB,S,R,BNUC,R=G	
Mar 13 2007	8"	11mmT6	PF,PS,R,NND,R=F	
<b>H271-1</b>	<b>NGC 3613</b>	<b>UMa</b>	<b>Galaxy E6</b>	<b>VB,CL,ME305,SMBMN</b>
Mar 17 2007	8"	11mmT6	F,PS,OVAL,FNUC,R=G	
<b>H273-1</b>	<b>NGC 4589</b>	<b>Dra</b>	<b>Galaxy E2</b>	<b>CB,L,LE,PGMBM</b>
Feb 23 2006	31"	17mmT4	VB,FL,OVAL,BNUC,HISB,R=G	
<b>H280-1</b>	<b>NGC 6217</b>	<b>UMi</b>	<b>Galaxy (R)SB(rs)bc</b>	<b>B,CL,LE,SLBM</b>
Sep 02 2016	12"	8mm Et	PF,PS,OVAL,FNUC,R=F. SQM-20.08	
Mar 18 2007	8"	11mmT6	VF,VS,R,NND,AV,R=F	
<b>H282-2</b>	<b>NGC 615</b>	<b>Cet</b>	<b>Galaxy SA(rs)b</b>	<b>PB,PL,ILE,GBM,*8NP10</b>
Nov 21 2006	8"	11mmT6	VF,VS,OVAL,NND,R=F	
<b>H285-1</b>	<b>NGC 2976</b>	<b>UMa</b>	<b>Galaxy SAc pec</b>	<b>B,VL,ME152,ST INV</b>
Mar 04 2006	8"	11mmT6	DIFF,F,FL,EON,NND,R=F	
<b>H286-1</b>	<b>NGC 3077</b>	<b>UMa</b>	<b>Galaxy I0 pec</b>	<b>CB,CL,MBM,R WITH RAY</b>
May 24 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
Mar 13 2007	8"	11mmT6	PF,L,OVAL,NND,AV,R=F	
<b>H288-1</b>	<b>NGC 2655</b>	<b>Cam</b>	<b>Galaxy SAB(s)0/a</b>	<b>VB,CL,LE90,GSVMBM</b>
Oct 06 2004	8"	7.5mmW	MB,EL,EON,FNUC,R=G	
<b>H296-2</b>	<b>NGC 4027</b>	<b>Crv</b>	<b>Galaxy SB(s)dm</b>	<b>GCL,PF,PL,R,RR,ST16</b>
Mar 29 2006	8"	11mmT6	PF,PS,R,NND,AV,R=F	
Apr 07 2008	31"	17mmT4	PB,PS,R,UB,FNUC,MSB,R=G	
<b>H316-2</b>	<b>NGC 2371</b>	<b>Gem</b>	<b>Planetary Neb 3a+2</b>	<b>B,S,R,BMN,P OF DNEB</b>
Feb 23 2006	31"	19mmW	FAIRLY LONG, ELONG,MSB,R=G	
Dec 04 2004	8"	7.5mmW	MF,OVAL,R=G	
<b>H342-2</b>	<b>NGC 3912</b>	<b>Leo</b>	<b>Galaxy SAB(s)b? pec</b>	<b>F,PL,R,PGBM</b>
Mar 29 2006	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
<b>H359-2</b>	<b>NGC 3277</b>	<b>LMi</b>	<b>Galaxy SA(r)ab</b>	<b>CB,CS,R,PGMBM</b>
Mar 13 2007	8"	11mmT6	VF,VS,R,NND,R=F	
<b>H362-2</b>	<b>NGC 3414</b>	<b>LMi</b>	<b>Galaxy S0 pec</b>	<b>B,PL,R,MBM</b>
May 15 2017	12"	7mm TV	PF,PS,OVAL,MEXT,FNUC,R=G	
Mar 04 2006	8"	11mmT6	MB,FS,OVAL,FNUC,R=G	

## Herschel 400 (I) Observations

<b>H362-2</b>	<b>NGC 3414</b>	<b>LMi</b>	<b>Galaxy S0 pec</b>	<b>B,PL,R,MBM</b>
Mar 04 2006	8"	11mmT6	MB,FS,OVAL,FNUC,R=G	
<b>H402-2</b>	<b>NGC 6118</b>	<b>Ser</b>	<b>Galaxy SA(s)cd</b>	<b>VF,CL,CE45,R</b>
May 30 2011	12"	7mm TV	PF,PS,OVAL,PEXT,UB,NND,R=F	
Jul 24 2006	8"	11mmT6	VF,PS,OVAL,NND,AV,R=F	
<b>H452-2</b>	<b>NGC 210</b>	<b>Cet</b>	<b>Galaxy SAB(s)b</b>	<b>B,PS,R,PSBM,R,*11P2'</b>
Dec 16 2009	12"	7.5mmW	PF,PS,OVAL,UB,NND,R=F	
<b>H466-2</b>	<b>NGC 1087</b>	<b>Cet</b>	<b>Galaxy SAB(rs)c</b>	<b>PB,CL,LE,MBM</b>
Oct 31 2010	12"	5.5mmN	PF,PS,OVAL,UB,NND,R=F,PA=80	
<b>H500-2</b>	<b>NGC 4535</b>	<b>Vir</b>	<b>Galaxy SAB(s)c</b>	<b>PF,VL,R</b>
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
Apr 26 2006	8"	11mmT6	F,VL,OVAL,NND,R=F	
<b>H505-2</b>	<b>NGC 2811</b>	<b>Hya</b>	<b>Galaxy SB(rs)a</b>	<b>PB,PS,E,PSMBM</b>
Mar 29 2006	8"	11mmT6	PF,PS,EL,OVAL,NND,AV,R=F	
<b>H513-2</b>	<b>NGC 5054</b>	<b>Vir</b>	<b>Galaxy SA(s)bc</b>	<b>F,PS,IR</b>
Apr 28 2006	31"	19mmW	CB,PL,OVAL,UB,NND,R=F	
<b>H534-2</b>	<b>NGC 5364</b>	<b>Vir</b>	<b>Galaxy SA(rs)bc pec</b>	<b>CF,L,R,GBM</b>
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
Apr 28 2006	31"	19mmW	B,CS,R,NND,R=F	
<b>H536-2</b>	<b>NGC 4845</b>	<b>Vir</b>	<b>Galaxy SA(s)ab sp</b>	<b>PF,PL,PME,VGBM,*NF</b>
May 04 2005	8"	11mmT6	MF,MS,EL,EON,FNUC,R=G	
<b>H569-2</b>	<b>NGC 4273</b>	<b>Vir</b>	<b>Galaxy SB(s)c</b>	<b>PB,L,E,GBM</b>
May 14 2017	12"	11mmT6	PF,PS,OVAL,FNUC,R=G	
Apr 04 2005	8"	11mmT6	MB,OVAL,FNUC,MSB,R=G	
<b>H573-2</b>	<b>NGC 4281</b>	<b>Vir</b>	<b>Galaxy S0+: sp</b>	<b>B,VL,R,PGBM</b>
May 14 2017	12"	11mmT6	PF,PS,OVAL,FNUC,R=G	
Apr 14 2016	12"	11mmT6	PF,PS,OVAL,MEXT,FNUC,R=F	
Apr 04 2005	8"	11mmT6	MB,EL,OVAL,NND,MSB,R=F	
<b>H584-2</b>	<b>NGC 6235</b>	<b>Oph</b>	<b>Globular</b>	<b>PB,CL,IR,RRR,*14..16</b>
Jul 15 2006	8"	19mmW	CF,PS,R-F,LITTLE BRIGHTER, DIM STARS	
Jul 08 2004	8"	25mmPL	VERY CLEAR NIGHT - LEFT AT 1:00AM	
<b>H587-2</b>	<b>NGC 6426</b>	<b>Oph</b>	<b>Globular</b>	<b>VF,CL,E,VLBM</b>
Sep 19 2014	12"	17mmAT	5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14	
Jul 09 2005	8"	11mmT6	VF,VS,R=F	
<b>H611-3</b>	<b>NGC 4725</b>	<b>Com</b>	<b>Galaxy SAB(r)ab pec</b>	<b>VB,VL,E,VG,VSVMBMEBN</b>
May 17 2005	31"	11mmT6	PB,PL,OVAL,FNUC,MSB,R=G	
<b>H622-2</b>	<b>NGC 428</b>	<b>Cet</b>	<b>Galaxy SAB(s)m</b>	<b>F,L,R,BM,ER</b>
Nov 10 2007	31"	17mmT4	PB,PL,OVAL,UB,NND,R=G	
<b>H637-3</b>	<b>NGC 6058</b>	<b>Her</b>	<b>Planetary Neb 3+2</b>	<b>PF,VS,R,STELLAR</b>
Nov 13 2007	8"	11mmT6	VF,VS,AV,R=F, NO CENTRAL STAR	
<b>H700-3</b>	<b>NGC 3319</b>	<b>UMa</b>	<b>Galaxy SB(rs)cd</b>	<b>CF,L,IE,MB,S OF M</b>
Apr 09 2010	12"	11mmT6	DIFF,CF,PS,OVAL,MEXT,NND,AV,R=F	
<b>H701-2</b>	<b>NGC 6207</b>	<b>Her</b>	<b>Galaxy SA(s)c</b>	<b>PB,PL,E45,VGMBM</b>
Sep 12 2004	8"	11mmT6	F,S,EL, NND,AV,F	
Mar 18 2007	8"	11mmT6	PF,L,OVAL,NND,R=F	
Jun 03 2005	31"	19mmW	VB,ML,OVAL,FNUC,HISB,R=G	
Jul 16 2007	16"	11mmT6	PF,PS,EL.OVAL,FNUC,R=F	
<b>H706-2</b>	<b>NGC 7538</b>	<b>Cep</b>	<b>Nebula E</b>	<b>VF,L,2PB*INV</b>

## Herschel 400 (I) Observations

<b>H706-2</b>	<b>NGC 7538</b>	<b>Cep</b>	<b>Nebula E</b>	<b>VF,L,2PB*INV</b>
Nov 28 2010	12"	11mmT6	PF,PS,R=F,HINT OF NEBULOSITY, OIII FILTER	
<b>H707-2</b>	<b>NGC 185</b>	<b>Cas</b>	<b>Galaxy E3 pec</b>	<b>PB,VL,IR,VGMBM,R</b>
Jul 23 2006	8"	11mmT6	VF,PL,OVAL,NND,AV,R=F	
Aug 21 2004	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
<b>H716-2</b>	<b>NGC 5371</b>	<b>CVn</b>	<b>Galaxy SBbc</b>	<b>PB,L,R,BMFn</b>
May 12 2005	31"	19mmW	MB,ML,OVAL,BNUC,HISB,R=G	
<b>H730-2</b>	<b>NGC 3726</b>	<b>UMa</b>	<b>Galaxy SAB(r)c</b>	<b>PB,VL,LE0,VSMBM,*11N</b>
Mar 17 2007	8"	11mmT6	PF,PL,OVAL,NND,R=F	
<b>H738-2</b>	<b>NGC 3893</b>	<b>UMa</b>	<b>Galaxy SAB(rs)c:</b>	<b>B,PL,R,MBM</b>
Mar 17 2007	8"	11mmT6	VF,PS,OVAL,NND,AV,R=F	
<b>H739-3</b>	<b>NGC 6015</b>	<b>Dra</b>	<b>Galaxy SA(s)cd</b>	<b>VF,PL,R,VGBM</b>
Sep 07 2005	8"	11mmT6	VF,VS,EL,OVAL,NND,R=F	
<b>H743-3</b>	<b>NGC 6781</b>	<b>Aql</b>	<b>Planetary Neb 3+3</b>	<b>PLN,F,L,R,VSMB DISC</b>
Sep 19 2014	12"	11mmT6	F,PL,OVAL,R=G, LP-2, 3 STARS INSIDE, HOME - 9/14/14	
Sep 13 2009	12"	32mmUW	8TH OBJECT	
Oct 06 2004	8"	11mmT6	MB,OVAL,HISB,R=G	
Aug 07 2016	12"	8mm Et	PF,PS,R=G., LP3. LITTLE RING.	
<b>H747-3</b>	<b>NGC 1961</b>	<b>Cam</b>	<b>Galaxy SAB(rs)c</b>	<b>CF,PL,IF,MBM,ER,*INV</b>
Nov 03 2004	8"	11mmT6	VF,EL,OVAL,NND,AV,R=F	
<b>H748-2</b>	<b>NGC 4217</b>	<b>CVn</b>	<b>Galaxy Sb sp</b>	<b>PF,L,ME45,**N,P OF 2</b>
Mar 26 2009	16"	17mmT4	VF,VS,OCAL,NND,R=F	
<b>H759-2</b>	<b>NGC 5907</b>	<b>Dra</b>	<b>Galaxy SA(s)c: sp</b>	<b>CB,VL,VME155,VGPSBMN</b>
Jun 07 2010	12"	7.5mmW	PF,PL,EON,FNUC,FAINT BULGE,R=G	
Jul 23 2006	8"	11mmT6	PF,PS,EON,VFNUC,R=F	
<b>H764-2</b>	<b>NGC 5982</b>	<b>Dra</b>	<b>Galaxy E3</b>	<b>CB,S,R,PSBM,R</b>
Aug 15 2015	12"	8mm Ds	F,PS,OVAL,FNUC,R-F	
Apr 13 2005	8"	11mmT6	VF,VS,OVAL,NND,R=F	
<b>H766-2</b>	<b>NGC 5985</b>	<b>Dra</b>	<b>Galaxy SAB(r)b</b>	<b>PB,CL,IE,R</b>
Sep 07 2005	8"	11mmT6	MB,ML,EL,OVAL,FNUC,MSB,R=G	
Aug 15 2015	12"	8mm Ds	DIFF,PF,S,OVAL,UB,NND,R=F	
Apr 13 2005	8"	11mmT6	MB,ML,EL,OVAL,FNUC,R=G	
<b>H769-2</b>	<b>NGC 2339</b>	<b>Gem</b>	<b>Galaxy SAB(rs)bc</b>	<b>PB,PL,R,GLBM</b>
Dec 15 2004	8"	11mmT6	VF,OVAL,NND,AV,R=F	