

Observations by Herschel 400 (II)

NGC 23	Peg	H147-3	Galaxy SBa	3S*+NEB	
Sep 12 2002	12.5"	9mmT6	PB,PL,VERY BM,LARGE NUC,F* IN GAL, HISB,PAIR/26		
Sep 21 1984	12.5"	12mm	DIF,VF,MS,ELONG,VF* IN SOUTH ARM,SBM		
Jul 07 1981	12.5"	24mm	DIF,EF,MS,FARMS		
Sep 10 1980	12.5"	24mm			
NGC 24	ScI	H461-3	Galaxy Sc	VF,CL,ME,GBM	
Sep 04 2002	12.5"	16mm	PB,PL,EDGE ON,UB,MOD HISB,F* IN EDGE OF GAL		
NGC 125	Psc	H869-3	Galaxy S0-a	VF,S,BM,D*SP	
Sep 04 2002	12.5"	16mm	DIF,PF,PS,PATCH,NND,2F*S ONE EDGE,GROUP OF GALAXIES		
Sep 04 2002	12.5"	9mmT6	HISB,BRIGHT CENTRAL BULGE,R		
NGC 151	Cet	H478-2	Galaxy SBbc	PF,PL,LE90,VGLBM	NGC 153
Sep 24 1981	12.5"	16mm	DIF,MB,ML,ELONG,F* OFF E SIDE,SBM		
Sep 10 1980	12.5"	24mm			
Sep 07 1980	12.5"	24mm	FAINT,LOC 157 FIRST		
NGC 175	Cet	H223-3	Non-Existent	PB,PL,E,GBM,R	NGC 171
Sep 24 1981	12.5"	16mm	EXT DIF,EF,VS,BLURR,FORMS EQ TRIANGLE WITH *S SAME MAGNITUDE		
NGC 198	Psc	H857-2	Galaxy Sc	F,S,VGBM	
Sep 04 2002	12.5"	9mmT6	DIF,PF,VL,OVAL PATCH,PAIR/200/194		
NGC 206	And	H36-5	Knots in Galaxy GxVF,VL,ME0		
Aug 10 2002	12.5"	25mm	PB,EL,KNT IN GAL,PATCHY AREA IN MILKY WAY		
NGC 214	And	H209-2	Galaxy SBc	PF,PS,GVLBM,R	
Aug 31 1984	12.5"	16mm	DIF,MF,PS,IN BARREN * FIELD,VF * DETECTED TO W SEVERAL GAL DIA,PATCHY,VB		
Sep 23 1981	12.5"	16mm	BARREN * FIELD,DIF WITH V LITTLE BRIGHTNESS IN MIDDLE,PF,PS		
Sep 10 1980	12.5"	24mm			
NGC 217	Cet	H480-2	Galaxy S0-a	F,S,LE90,GLBM	
Sep 04 2002	12.5"	9mmT6	MB,PL,EDGE ON,TAPPERED,UB,LARGE CENTRAL BULGE		
NGC 315	Psc	H210-2	Galaxy E	PB,PL,R,GBM,*9NF3'	
Sep 04 2002	12.5"	9mmT6	PB,PL,OVAL,F* IN GAL EDGE,GMBM,HISP,PAIR/311/318		
NGC 337	Cet	H433-2	Galaxy SBcd	PF,L,E,GLBM,*10F21S	
Sep 27 1981	12.5"	16mm	DIF,MB,ML,HISB,NND,PATCHY,OVAL		
Sep 10 1980	12.5"	24mm			
Sep 09 1980	12.5"	24mm			
NGC 357	Cet	H434-2	Galaxy SB0-a	F,S,IR,SBM,*14NF20"	
Sep 27 1981	12.5"	16mm	DIF,MF,PS,OVAL,SBM,BRT H-2 REGIONS SUSP,PATCHY-DUSTY,F* SE		
NGC 410	Psc	H220-2	Galaxy cD	PB,PL,NF OF 2	
Sep 04 2002	12.5"	9mmT6	PB,PL,OVAL,GBM,MOD HISB,PAIR/407/414		

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NGC 428	Cet	H622-2	Galaxy SBm	F,L,R,BM,ER	
Sep 27 1981	12.5"	16mm	VDIF,MF,PL,BETWEEN 2F*S ON OPPOSITE SIDES,NNS,UB,PATCHY-OVAL		
Sep 10 1980	12.5"	24mm			
Sep 09 1980	12.5"	32mm	BETWEEN 2 BRT *S		
NGC 499	Psc	H158-3	Galaxy E-S0	PB,PL,R,3RD OF 3	IC 1686
Sep 04 2002	12.5"	9mmT6	PB,ML,OVAL,GBM,MOD HISB,OTHER GALAXIES PRESENT		
NGC 513	And	H169-3	Galaxy Sc	F,S,STELLAR	
Aug 10 2002	12.5"	9mmT6	PF,PS,EDGE ON,BNUC,MOD HISB,BM,B* CLOSE BY		
NGC 514	Psc	H252-2	Galaxy SBc	F,L,LE,VGLBM,**F	
Sep 24 1981	12.5"	16mm	PDIF,VF,VL,E OF B*,F* W SIDE,F* TO S SEVERAL GAL DIA,PATCHY,NND,UB		
Oct 31 1980	12.5"	24mm	VDIF,SIMULAR TO M33		
NGC 604	Tri	H150-3	Knots in Galaxy GxB,VS,R,VVLBM		
Aug 10 2002	12.5"	25mm	VP,PL,BRT NEBULA IN M33,CLOSE TO F*		
Aug 10 2002	12.5"	9mmT6	EB,VL,HISB,PATCH,UB		
NGC 636	Cet	H283-2	Galaxy E3	PB,VS,R,MBM,R	
Sep 27 1981	12.5"	16mm	PF,PS,DNUC,GRAD MB,SMALL DIFFUSE NUC		
Sep 10 1980	12.5"	24mm			
Sep 07 1980	12.5"	24mm	FAINT,ASSOC IN SMALL CLUSTER		
NGC 660	Psc	H253-2	Galaxy SBa/P	PB,PL,E,BM,R	
Sep 04 2002	12.5"	9mmT6	DIF,MF,PL,IRR IN SHAPE,KNTS SUSP,NND,PATCH		
NGC 665	Psc	H588-2	Galaxy S0	F,S,LE,BM,R	
Sep 04 2002	12.5"	9mmT6	PB,PL,GBM,MOD HISB,OVAL		
NGC 672	Tri	H157-1	Galaxy SBc	F,PL,ME80	
Dec 04 2004	31"	17mmT4	PB,EL,EDGE ON,SHISB,VF* OFF NUC,BRT BAR TRHOUGHTOUT,DUST & PATCH AREAS DET,R=E		
Aug 25 1982	12.5"	16mm	SAME		
Sep 23 1981	12.5"	16mm	DIF,MB,MS,DARM,2*S OPPOSITE SIDE,UB,NND,PAIR/670		
Sep 18 1980	12.5"	24mm			
Sep 10 1980	12.5"	24mm			
Sep 07 1980	12.5"	24mm			
Aug 22 1980	12.5"	24mm			
Jul 24 1980	12.5"	32mm	EL,GREAT!!		
NGC 706	Psc	H596-2	Galaxy Sc	F,S,BM,*13N1'	
Sep 04 2002	12.5"	9mmT6	DIF,PB,PL,PATCH,UB,F* OFF ONE SIDE		
NGC 718	Psc	H270-2	Galaxy SBa	PB,S,IR,PSMBM	
Sep 24 1981	12.5"	16mm	MF,PS,DNUC,EF* SEVERAL GAL DIA TO W,SUDDENLY MBM,R,DIM HALO		
Oct 31 1980	12.5"	24mm			
NGC 741	Psc	H271-2	Galaxy E	PF,S,R,POF2,POS102	IC 1751
Sep 24 1981	12.5"	16mm	DIF,MF,PS,COMP TO N SUSP,JUST W OF B * 3 GAL DIA,BARELY BM,CLASS E1		

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NGC 821 Ari	H152-1	Galaxy E6	PB,VS,VLE,SVMBM,*NP
Oct 22 1982 12.5"	24mm	SAME	
Sep 24 1981 12.5"	24mm	F*S 3 GAL DIA,11 MAG * N BORDER,HISB,MBM,MF,PS	
Sep 10 1980 12.5"	24mm		
NGC 890 Tri	H225-2	Galaxy E/SB0	B,S,R,BM,3F*SP
Aug 25 1982 12.5"	16mm	APPEARS AS E2 GALAXY,MOD HISB TOWARDS CENTER	
Sep 23 1981 12.5"	16mm	MF,PS,F*W SIDE,SBM,R	
Sep 18 1980 12.5"	24mm		
NGC 896 Cas	H695-3	Nebula EN	EF,PL,IF IC 1795
Sep 06 2002 12.5"	9mmT6	PF,EL,BRT NEBULA,FAINT HINT OF BRIGHT AREA COMPARED TO BACKGROUND,LOCATION GOI	
NGC 925 Tri	H177-3	Galaxy SBcd	CF,CL,E,VGBM,2*13NP
Aug 25 1982 12.5"	16mm	SAME,2F*S N, 1F* IN SOUTHERN PART	
Sep 23 1981 12.5"	16mm	BAR SEEN,2F*S N&S,DIF,MF,PL,KNTY STR SUSP,R,SLIGHTLY BRIGHTER WHERE BAR IS	
Sep 18 1980 12.5"	24mm		
Sep 10 1980 12.5"	24mm	B*S IN GAL	
Aug 22 1980 12.5"	24mm		
Jul 24 1980 12.5"	24mm	EDIF,EF	
NGC 991 Cet	H434-3	Galaxy SBc	VF,CL,IF,VLBM
Sep 27 1981 12.5"	16mm	VDIF,VF,PL.12 MAG * S ARM,FACE ON?,NND,UB,BETTER IN 24MM	
Sep 18 1980 12.5"	24mm		
NGC 1003 Per	H238-2	Galaxy Sc	PF,L,E90,MBM,R
Aug 17 1982 12.5"	16mm	DIF,PF,MS,ELONG,F* IN EASTERN PART,NND,PATCHY	
NGC 1012 Ari	H152-3	Galaxy S0-a	F,PS,IR,BM,ST INV
Oct 23 1982 12.5"	16mm	DIF,MF,MS,OVAL,F* IN S PART,12MM: ELONG N TO S,NND,UB,MOD HISB	
NGC 1032 Cet	H5-2	Galaxy S0-a	PB,S,VLE,BM,3*TRAP
Sep 06 2002 12.5"	9mmT6	PB,PL,HISB,SBM,OVAL,LARGE NUC AREA	
NGC 1035 Cet	H284-2	Galaxy Sc	PF,L,ME,R,*17ATT SF
Sep 27 1981 12.5"	16mm	DIF,MF,MS,EDGE ON,14* S ARM,NND,OBLONG,UB	
Sep 18 1980 12.5"	24mm		
NGC 1045 Cet	H488-2	Galaxy E-S0	F,S,R,BM
Sep 06 2002 12.5"	9mmT6	DIF,PB,PL,OVAL PATCH,SBM,SOMEWHAT HISB	
NGC 1058 Per	H633-2	Galaxy Sc	PF,CL,R,GLBM
Aug 17 1982 12.5"	16mm	F* IN NE PART,B*S AROUND GAL,ROUND-OVAL,NND,HISB	
Oct 03 1981 12.5"	16mm	DIF,MB,ML,VERY R,F* SURROUNDS GAL,NND,UB	
Aug 19 1980 12.5"	24mm	EXTREMELY FAINT AND DIF	
Jul 24 1980 12.5"	24mm	LOW SURFACE BRIGHTNESS,STELL NUC	
NGC 1060 Tri	H162-3	Galaxy E-S0	F,PL,R,LBM,*F46S,3'S
Aug 10 2002 12.5"	9mmT6	MF,ML,PATCHY,OVAL,VF* ON EDGE OF GAL,SBM,COMP,1 OF 3	

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NGC 1070 Cet	H273-2	Galaxy Sb	PF,S,IR,GBM
Sep 06 2002	12.5"	9mmT6	PB,PL,LARGE CENTRAL BULGE,GBM,MOD HISB
NGC 1073 Cet	H455-3	Galaxy SBc	VF,L,LBM,ER
Sep 27 1981	12.5"	16mm	VDIF,MF,VL,SBM,R-OVAL,UB,NND,BETTER IN 24MM
Sep 18 1980	12.5"	24mm	
Sep 09 1980	12.5"	32mm	EL,PF,JUST BELOW SMALL TRI OF *S
NGC 1087 Cet	H466-2	Galaxy SBc	PB,CL,LE,MBM
Sep 27 1981	12.5"	16mm	MB,PL,OVAL,HISB,SBM,PAIR/1090 AND ANOTHER
Oct 29 1980	8"	24mm	
Sep 18 1980	12.5"	24mm	
Sep 09 1980	12.5"	24mm	PAIR/1090
NGC 1090 Cet	H465-2	Galaxy SBbc	VF,PL,IR,BM
Sep 27 1981	12.5"	16mm	MDIF,MF,PL,FACE ON,NND,UB,OVAL SHAPE,PAIR/1087 AND ANOTHER
Sep 09 1980	12.5"	16mm	SAME FOV WITH 1087
NGC 1114 Eri	H449-3	Galaxy Sc	PF,PL,PME,GLBM
Sep 06 2002	12.5"	9mmT6	EDIF,PF,PL,ELONG,UB,NND
NGC 1156 Ari	H619-2	Galaxy IBm	PB,CL,PME0,BET2*
Oct 23 1982	12.5"	16mm	HISB,SAME
Sep 24 1981	12.5"	16mm	* IN GAL N SIDE(13MAG),PATCHY DIFF,UB,2-3F*S AROUND GAL
Oct 31 1980	12.5"	24mm	
Sep 10 1980	12.5"	24mm	B*N PART
NGC 1161 Per	H239-2	Galaxy S0	F,PS,LE,SBM
Aug 17 1982	12.5"	16mm	MF,PS,BNUC,2B*S JUST OFF TO W TIP,R,GBM,MOD HISB,PAIR/1160
NGC 1162 Eri	H469-3	Galaxy E	F,R,GLBM,STELLAR
Sep 06 2002	12.5"	9mmT6	PB,PL,OVAL,BM,LARGE BRT NUC,SMBM
Sep 06 2002	12.5"	9mmT6	PF,PS,R,SEVERAL VF*S IN ARMS OF GAL,SMALL NUC REGION
NGC 1169 Per	H620-2	Galaxy SBb	PF,PS,IF,SBM
Aug 17 1982	12.5"	16mm	DIF,MF,MS,FNUC,F*S AND E 1 OR 2 GAL DIA,SBM,CLASS E3
Oct 03 1981	12.5"	16mm	DIF,VF,PS,DNUC,F*W PART OF GAL,SMBM,NUC DET
NGC 1172 Eri	H502-2	Galaxy E	PF,PL,R,PSBM
Oct 24 1981	12.5"	12mm	VDIF,PF,VS,BARELY VISIBLE IN 24MM,SMALL,R-OVAL,SMBM,NUC SUSP
NGC 1175 Per	H607-2	Galaxy S0-a	F,CL,E
Aug 17 1982	12.5"	16mm	DIF,MF,VS,SLIGHTLY ELONG,SBM,PATCHY,F*S SUSP,COMPANION/1177
Oct 03 1981	12.5"	12mm	EDIF,VF,ES,ELONG,STELL NUC SUSP,OBLONG IN SHAPE
NGC 1184 Cep	H704-2	Galaxy S0-a	F,PL,ME
Jan 30 2003	12.5"	9mmT6	MB,PL,EDGE ON,FNUC,SBM,CENTRAL BULGE,R=G
Sep 06 2002	12.5"	9mmT6	MB,ML,ELONG,SOMEWHAT EDGE ON,HISB MIDDLE,GMBM,CENTRAL BULGE

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NGC 1187 Eri	H245-3	Galaxy SBc	PF,CL,PME,GBM*16,R	
Oct 24 1981	12.5"	12mm	DIF,MF,PL,F*IN GAL SUSP,L PATCH,OVAL,NNS IN 16MM	
Oct 31 1980	12.5"	24mm		
Sep 09 1980	12.5"	24mm		
NGC 1193 Per	H608-2	Open Cluster II3m	F,CL,ER	
Aug 10 2002	12.5"	9mmT6	PF,PS,TIGHT GROUPING,*S SIMILAR MAGNITUDE	
NGC 1199 Eri	H503-2	Galaxy E3	CB,PS,IR,SMBM	Hickson 22a
Oct 24 1981	12.5"	12mm	DIF,MF,MS,BNUC,GBM,R	
NGC 1207 Per	H578-3	Galaxy Sb	CF,VS,R,PSB INNPPEND	
Aug 21 1982	12.5"	16mm	CLASS AS E2,MF,PS,BNUC,F*N EDGE,F*W EDGE,LOC IN TRI OF B*S,R,GMBM	
Aug 17 1982	12.5"	16mm	DIF,PF,PS,FNUC,STELL NUC SUSP,PATCH	
NGC 1209 Eri	H504-2	Galaxy E6	B,S,CE,PSBM	
Oct 24 1981	12.5"	12mm	DIF,MF,PS,NEC DET,R,SIM TO 1199	
NGC 1325 Eri	H77-4	Galaxy SBbc	F,ME239,COM,*9.5ATT	
Oct 24 1981	12.5"	12mm	DIF,MF,PS,ELONG,B*W EDGE,NND,UB,F* TO S	
Oct 31 1980	12.5"	24mm	PAIR/1332	
NGC 1332 Eri	H60-1	Galaxy E-S0	VB,S,E114,SMBMN	
Oct 24 1981	12.5"	12mm	MB,ML,BNUC,F* OFF W SIDE,OVAL	
Oct 31 1980	12.5"	24mm	PAIR/1325	
Sep 09 1980	12.5"	24mm		
NGC 1348 Per	H84-8	Open Cluster II2p	CL,LRI,ST L	
Aug 10 2002	12.5"	25mm	PB,PL,* VARYING IN MAGNITUDE,GROUPED NICELY	
NGC 1353 Eri	H246-3	Galaxy SBb	PB,CL,IE,MBM	
Oct 24 1981	12.5"	12mm	DIF,MF,PL,EDGE ON,F*N EDGE,UB,NND	
Oct 31 1980	12.5"	24mm	* AT EDGE OF GAL	
NGC 1400 Eri	H593-2	Galaxy E-S0	CB,PS,R,PSMBM	
Oct 24 1981	12.5"	12mm	MB,ML,BNUC,R,PAIT/1407	
Oct 31 1980	12.5"	24mm	PAIR/1407	
Sep 09 1980	12.5"	24mm		
NGC 1421 Eri	H291-2	Galaxy SBbc	F,CL,ME0,R	
Oct 24 1981	12.5"	12mm	DIF,MF,ML,EDGE ON,UB,NND	
Oct 31 1980	12.5"	24mm	EDGE ON,IMPRESSIVE!!	
Sep 09 1980	12.5"	24mm		
NGC 1491 Per	H258-1	Nebula EN	VB,S,IF,BM,R,*INV	LBN 704
Aug 10 2002	12.5"	25mm	PB,PL,MOD HISB,IRR IN SHAPE,BRT NEBULA,LARGE PATCH	
NGC 1507 Eri	H279-2	Galaxy SBm	VF,PL,ME,VLBM,ER	
Oct 30 1981	12.5"	12mm	DIF,PF,ML,EDGE ON,SLIGHTLY HISB,NND,F*E,2*S W 1 GAL DIA,EDGES TAPPED	

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NGC 1514 Tau Dec 25 1984	H69-4 12.5" 16mm	Planetary Neb PN *9IN NEB3'DIAM PB,ML,BRT CENTRAL *,LOC BETWEEN 2B*S.LARGE BALL OF NEBULA,R,MOD HISB	PK 165-15.1
NGC 1579 Per Aug 10 2002 Aug 10 2002	H217-1 12.5" 16mm 9mmT6	Nebula RN PB,VL,IR,MBM,*8 2'NF PB,PL,BRT NEBULA,MOD HISB,NO *S,UB PATCH,UB	LBN 766
NGC 1582 Per Aug 10 2002	H70-8 12.5" 25mm	Open Cluster IV2p CL,VL,PRI,LC,ST L EL,VB,30-40*S,LOOSLY SCATTERED,MAG 7-9	
NGC 1587 Tau Sep 06 2002	H8-2 12.5" 9mmT6	Galaxy E F,PS,R,R,P OF D NEB PB,PL,OVVAL,LARGE NUC,MOD HISB,BM,COMP=1588	
NGC 1600 Eri Oct 30 1981 Oct 31 1980 Sep 09 1980	H158-1 12.5" 12mm 12mm 12mm	Galaxy E3 PB,PL,R,GMBM MB,ML,BNUC,FAINT COMP NE 1 GAL DIA,R,GMBM,PAIR/1601 DIF,UB,RESEMBLES CRAB NEBULA RESEMBLES * IN SMALL TRI	
NGC 1605 Per Aug 10 2002	H26-6 12.5" 24mm	Open Cluster III1m CL,VF,PS,C,ST ES ML,VF,NOT WELL DEFINED,ROUND IN SHAPE	
NGC 1618 Eri Sep 06 2002	H524-2 12.5" 9mmT6	Galaxy SBb F,S,IF,LBM,2*SF VDIF,BF,PL,ELONG,PATCH,KEEP B* OUT OF FOV,UB,PAIR/1622/1625	
NGC 1624 Per Aug 10 2002	H49-5 12.5" 24mm	Open Cluster I2pn F,CL,IF,60R7*+NEB MS,PF,TIGHT GROUPING,STANDS OUT WELL,20*S,RESOLVED	
NGC 1637 Eri Oct 30 1981 Oct 31 1980	H122-1 12.5" 12mm 24mm	Galaxy SBc CB,L,R,VGBM MB,PL,F*NE EDGE,SPR STR SUSP,STELL NUC,R,FACE ON LARGE,FAINT	
NGC 1662 Ori Sep 06 2002	H1-7 12.5" 24mm	Open Cluster I2p CL OF L\$S SC ST PB,PL,APROX 15 *S,LOOSLY SCATTERED,STANDS OUT WELL	
NGC 1663 Ori Sep 06 2002	H7-8 12.5" 9mmT6	Open Cluster IV2p CL,LRI,ST L\$S PB,ML,APPROX 20*S,305 B*S WITH FAINTER OTHERS,TAKES POWER WELL	
NGC 1700 Eri Oct 30 1981 Oct 31 1980 Sep 09 1980	H32-4 12.5" 12mm 24mm 24mm	Galaxy E4 CB,S,MBM* MB,ML,R,BNUC SMALL COMPACT NUC	
NGC 1750 Tau Mar 22 2004	H43-8 12.5" 25mm	Open Cluster OCL CL,ST L,VCSC VB,EL,FEW BRT *S LOOSLY SCATTERED,NOT WELL PLACED,OTHER CLUSTERS DET,R=F	
NGC 1762 Ori Sep 06 2002	H453-3 12.5" 9mmT6	Galaxy Sc VF,VS DIF,PF,MS,OVVAL,STELL NUC,SBM,MOD HISB	

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NGC 1778 Aur Sep 06 2002	12.5" 24mm	H61-8	Open Cluster III2p CL,PC,LRI,IF,ST L PB,ML,APPROX 20*S,LOOSLY SCATTERED,*S SIMILAR MAG
NGC 1779 Eri Sep 06 2002	12.5" 9mmT6	H500-3	Galaxy SB0-a PB,S,R,GPMBM PB,ML,MOD HISB IN MIDDLE,OVAL PATCH,LARGE NUC
NGC 1832 Lep Oct 24 1981 Oct 31 1980	12.5" 12mm 24mm	H292-2	Galaxy SBbc PB,IR,MBM,C*NF1' DIF,MF,ML,W OF B*,NND,OVAL,UB,24MM-SBM,MOD HISB
NGC 1883 Aur Sep 06 2002	12.5" 9mmT6	H34-7	Open Cluster II1p CL,VF,PRI,PC,IF PF,PS,APPROX 20*S SAME MAG,V SHAPE,1 B* TO SIDE OF CLUSTER,TAKES POWER WELL
NGC 1977 Ori Sep 06 2002	12.5" 32mm	H30-5	Open Cluster OCL 42ORIONIS\$NEB VB,PL,APPROX 5 *S ASSOCIATED WITH M43
NGC 1990 Ori Mar 22 2004	12.5" 25mm	H34-5	Nebula E+R EL,E,EPSILONORI INV P LBN 940 - BRIGHT NEBULA DIF,VF,ML,W/OIII HINT OF NEB AROUND BRT * DETECTED,R=P
NGC 2023 Ori Jan 24 2004 Oct 05 2002 Sep 09 1980	31" 24mmTP 25mm 24mm	H24-4	Nebula EN+RN B*IN M OF L,LE NEB LBN 953 DIF,MF,PL,PATCH,UB,WITH OIII,PATCHY AREA OF GAS AROUND *,R=F PB,VL,NEB AROUND BRT *,PARTS OF NEB HAVE HISB NEED TO KEEP B* OUT OF FIELD TO DETECT
NGC 2071 Ori Oct 05 2002	12.5" 25mm	H36-4	Nebula RN D*10\$14 W/VF,L CHEV LBN 938 PBPL,DIF NEBULA,BRT * TO EDGE OF NEB,CLOSE TO M78
NGC 2112 Ori Dec 30 1983 Sep 09 1980	12.5" 24mm 24mm	H24-7	Open Cluster II3m CL,PL,LRI,PC,ST S MF,PS,BARREN * FIELD,BRT *S FORM SHAPE OF A 'Y',APPROX 60*S
NGC 2139 Lep Oct 05 2002	12.5" 9mmT6	H264-2	Galaxy SBc F,S IC 2154 VDIF,MF,PL,PATCH,OVAL,F* OFF ONE SIDE
NGC 2170 Mon Oct 05 2002	12.5" 9mmT6	H19-4	Nebula RN *9 INV F,PL,NEB,E170 LBN 994 PB,ML,BRT NEB AROUND BRT *,NEB MOD HISB
NGC 2182 Mon Oct 05 2002	12.5" 9mmT6	H38-4	Nebula RN PB**,L*NEB,E90 LBN 998 SUSP ONLY,F* OFF TO ONE SIDE,LOCATION GOOD
NGC 2192 Aur Oct 05 2002 Oct 05 2002	12.5" 25mm 9mmT6	H57-7	Open Cluster III1p CL,CL,C,IF,ST VS PB,PL,APPROX 50*S SAME MAG,WELL PLACED IN 25MM RESOLVED INDIVIDUAL STARS
NGC 2196 Lep Oct 05 2002 Dec 03 1980	12.5" 9mmT6 24mm	H265-2	Galaxy Sa PF,PS,VLE,PMBM,ST NR DIF,PF,PL,FNUC,OVAL,SBM

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NGC 2236 Mon	H5-7	Open Cluster III2p CL,PRI,PC,*10,12..15
Oct 05 2002 12.5"	9mmT6	PB,PL,APPROX 50*S VARIOUS MAG,*S SPIRAL INTO CENTER
NGC 2245 Mon	H3-4	Nebula RN PL,COM,MBN SFALM* LBN 904
Oct 05 2002 12.5"	9mmT6	PB,PL,DIF NUBULA,CLOSE TO A B*,NEB OFF SET FROM *,MOD HISB
NGC 2252 Mon	H50-8	Open Cluster IV2p CL,VL,PRI,LC,STS
Oct 05 2002 12.5"	24mm	PB,PL,APPROX 50*S SCATTERED AND LOOSE,DIFFERENT MAG
NGC 2253 Cam	H54-7	Open Cluster VF,ST ES NIM: 6:42.4 +66:20
Feb 05 2005 31"	17mmT4	MF,VL,APPROX 20-40*S SAME MAG,LOOSLY SCATTERED,LITTLE CLUSTERING,R=P
NGC 2254 Mon	H22-7	Open Cluster I2p CL,S,PC,IF,*11...13
Oct 05 2002 12.5"	9mmT6	MB,PS,SCATTERED,*S DIFFERENT MAG,NICE IN 9MM
NGC 2259 Mon	H28-6	Open Cluster II2p CL,CRI,EC,IF,ST ES
Oct 05 2002 12.5"	9mmT6	MF,ML,EXCELLENT,WELL PLACED IN 9MM,*S APPROX SAME MAG
NGC 2261 Mon	H2-4	Nebula EN+RN B,VME330,N COM=*11 Hubble's Variable Nebula
Oct 05 2002 12.5"	9mmT6	PB,ML,TRIANGLE SHAPE,F* AT HEAD,COMET LIKE,NEB UB,MOD HISB
Oct 31 1980 12.5"	24mm	
Sep 10 1980 12.5"	24mm	COMET LIKE APP,NICE
NGC 2269 Mon	H3-6	Open Cluster II2p CL,VMC,NOT RI,ST VS
Oct 05 2002 12.5"	9mmT6	PB,ML,ELONG,* DIFFERENT MAG,APPROX 10-11 MAG
NGC 2274 Gem	H615-2	Galaxy E F,S,BM
Oct 05 2002 12.5"	9mmT6	PB,PL,BNUC,R-OVAL,LARGE NUC,MOD HISB,PAIR/2275
NGC 2283 CMa	H271-3	Galaxy SBc 3OR4S*+NEB
Oct 05 2002 12.5"	9mmT6	DIF,PB,ML,F* ON BOTH ENDS,STELL NUC, OVAL,PATCH
NGC 2302 Mon	H39-8	Non-Existent CL,L,P,LC NGC 2299
Oct 05 2002 12.5"	9mmT6	MB,ML,APPROX 30*S,LOOSE
NGC 2309 Mon	H18-6	Open Cluster II2m CL,PL,PRI,MC,ST13
Oct 05 2002 12.5"	9mmT6	PB,PL,SCATERED,NICE IN 9MM,*S APPROX SAME MAG
NGC 2316 Mon	H304-2	Nebula RN+EN PF,S,R,R,S ST INV NGC 2317
Oct 05 2002 12.5"	9mmT6	ELONG,MOD HISB,DIF NEBULA,APPEARS AS AN IRR GALAXY
NGC 2331 Gem	H40-8	Open Cluster IV1p CL,L,VLC,S CL INV
Oct 05 2002 12.5"	32mm	VF,EL,LOOSE OPEN CLUSTER,APPROX 20*S,SAME MAG
NGC 2339 Gem	H769-2	Galaxy SBbc PB,PL,R,GLBM
Feb 21 1984 12.5"	16mm	SAME
Oct 30 1981 12.5"	12mm	DIF,PF,ML,14* IN GAL E SIDE,MOD HISB,NND
Oct 31 1980 12.5"	24mm	AMONG FIELD OF RICH *S,UB

Observations by Herschel 400 (II)

NGC 2346 Mon	H65-4	Planetary Neb PN *10AFF W/ S,VF,NEB	PK 215+3.1
Oct 05 2002 12.5"	9mmT6	PB,PS,BNUC,VBM,CENTRAL * APPROX 8 MAG,R,HISB,BLUE GREEN CENTRAL REGION	
NGC 2347 Cam	H746-3	Galaxy Sb	VF,S,R,LBM
Feb 01 2005 31"	17mmT4	PB,VL,OVAL,LARGE FNUC,SOFT GLOW,R=G	
Sep 18 1980 12.5"	24mm		
NGC 2366 Cam	H748-3	Galaxy IBm	VF,PL,MBM,CVEDTAILS
Feb 01 2005 31"	17mmT4	MF,EL,SMALL BNUC,IRR,FARM'S OFF ONE SIDE,2 NUC DET,SMALL B,SMALL F,COMP=2363,R=F	
Dec 21 1981 12.5"	24mm	EDIF,EF,ML,ELONG,SMALL BNUC	
Sep 18 1980 12.5"	24mm		
NGC 2415 Lyn	H821-2	Galaxy Im	PB,CS,R,VGVLBM,R,
Nov 24 2003 31"	17mmT4	VF,PL,OVAL,VERY LARGE BNUC,HISB MIDDLE,FAINTER HALO DET,HISB,R=E	
Jan 08 2003 12.5"	9mmT6	PB,ML,BNUC,MOD HISB,ROUND,2F*S BOTH SIDES,GMBM	
NGC 2493 Lyn	H750-3	Galaxy SB0	CB,S,R,SBM
Feb 17 2004 31"	17mmT4	PB,PL,OVAL,LARGE BNUC,HISB MIDDLE,PAIRS=2495/PGC22463.R=E	
Jan 08 2003 12.5"	9mmT6	MB,ML,FNUC,R,GSBM,F* OFF ONE SIDE	
NGC 2500 Lyn	H709-3	Galaxy SBcd	F,L,R,VGBM,R,AM ST
Jan 08 2003 12.5"	9mmT6	MB,VL,FARMS,STELL NUC,F* IN EDGE OF ARM,R-OVAL,SPR STR SUSP	
NGC 2525 Pup	H877-3	Galaxy SBc/P	CF,PL,R,VGVLBM,AM ST
Dec 03 1980 12.5"	24mm		
NGC 2541 Lyn	H710-3	Galaxy SBc	F,L,E,VGBM
Jan 08 2003 12.5"	9mmT6	EDIF,VF,VL,LARGE OVAL PATCH UB,F* IN GAL EDGE,STELL NUC SUSP	
NGC 2639 UMa	H204-1	Galaxy Sa	CB,S,E130,PSMBM
Mar 15 1985 12.5"	16mm	PF,PS,ELONG,SBM,NO *S,FORMS TRI WITH 2 OTHER *S	
Dec 03 1980 12.5"	24mm		
NGC 2756 UMa	H828-2	Galaxy Sb	PB,PS,E,VGBM
Mar 06 2003 12.5"	9mmT6	MB,ML,R,BNUC,LARGE NUC AREA,MOD HISB MIDDLE,PAIR=PGC25755,R=G	
Jan 08 2003 12.5"	9mmT6	MB,ML,SMOD HISB,PATCH,OVAL,UB,COMP SUSP	
NGC 2805 UMa	H878-3	Galaxy SBd	VF,L,R,MBM
Apr 14 2004 31"	17mmT4	DIF,PF,VL,PATCH,UB,NND,R=F	
Jan 08 2003 12.5"	9mmT6	DIF,PF,PL,FNUC,R,UB WITH FAINT NUC,OVAL	
NGC 2880 UMa	H260-1	Galaxy E/SB0	B,CS,R,MBM,AM ST
Apr 14 2004 31"	17mmT4	PB,ML,R,LARGE BNUC,HISB,GRADUADLY MBM,PAIR=PGC26940,R=G	
Mar 15 1985 12.5"	12mm	DIF,PF,VS,OVAL-R,BM,LINE OF F*S TO N,B* OFF TO E	
NGC 3065 UMa	H333-2	Galaxy S0	PF,VS,R,BM,*11NR
Mar 06 2003 12.5"	9mmT6	PB,ML,R,BNUC,LARGE BRT NUC,HISB MIDDLE,PAIR=3066,R=G	
Mar 15 1985 12.5"	12mm	VF,MS,OVAL,BM,3066 CLOSE BY,F*NE SEVERAL GAL DIA	

Observations by Herschel 400 (II)

NGC 3067 Leo	H492-2	Galaxy SBab	PB,PL,E106,GBM,*94°P	
Feb 25 1984 12.5"	12mm	DIF,VF,VS,ELONG,NND,UB,PATCHY,NO *S		
Jan 30 1981 12.5"	24mm	PF,DIF,VS,FAINT HALO		
NGC 3073 UMa	H853-3	Galaxy E/SB0	VF,S,VGLBM	
Mar 06 2003 12.5"	9mmT6	PF,PS,OVAL,PATCH,FNUC,PAIR=3079,R=P		
Jan 08 2003 12.5"	9mmT6	MF,MS,BNUC,OVAL,GMBM,BRT CENTRAL BULGE,PAIR/3079/PGC28990		
NGC 3107 Leo	H898-2	Galaxy Sbc	PF,PL,IR,*8NP 112"	
Jan 08 2003 12.5"	9mmT6	MB,MS,OVAL,MOD HISB,B*CLOSE BY,UB		
NGC 3158 LMi	H639-2	Galaxy E3	CB,CS,R,PSBM,R	
Dec 26 2003 31"	17mmT4	MF,ML,R,LARGE BNUC,MOD HISB MIDDLE,R=G		
Feb 25 1982 12.5"	16mm	MF,MS,BNUC,BET 3*S SAME MAG,R,SMBM,NUC DET,1 OF 5 COMP		
NGC 3162 Leo	H43-2	Galaxy SBbc	PF,CL,R,VGLBM,R,*INV	NGC 3575
Feb 25 1984 12.5"	12mm	DIF,MF,MS,FACE ON,PATCHY,UB,F* TO E SIDE,NND		
Jan 30 1981 12.5"	24mm	DIF,VB,PS,FAINT HALO		
Dec 03 1980 12.5"	24mm			
NGC 3177 Leo	H25-3	Galaxy Sbc	CF,S,R,PSBM	
Feb 25 1984 12.5"	12mm	DIF,MF,PS,R,BM,NO *S		
Jan 30 1981 12.5"	24mm	DIF,EF,ES		
NGC 3225 UMa	H882-2	Galaxy Sc	CF,PL,LE,VGBM	
Apr 23 2003 12.5"	9mmT6	DIF,MF,PL,ELONG,PATCH,NND,SHISB,F* OFF ONE SIDE,R=F		
Jan 08 2003 12.5"	9mmT6	DIF,PF,MS,FNUC,OVAL,SBM,F* ON EDGE,LARGE CENTRAL REGION		
NGC 3254 LMi	H72-1	Galaxy Sbc	CB,L,ME45,PSMBMN	
Feb 25 1982 12.5"	16mm	DIF,MB,PL,ELONG,BNUC,F*SW SEVERAL GAL DIA,GMBM,TAPPERED,KNTY STR SUSP,DIF HALO		
Dec 03 1980 12.5"	24mm			
NGC 3274 Leo	H358-2	Galaxy SBcd	F,PL,R,GLBM,D* F	
Feb 25 1984 12.5"	12mm	VDIF,VF,MS,PATCHY,WIDE TRI OF *S AROUND OBJECT,UB,NND		
Jan 30 1981 12.5"	24mm	DIF,PF,PL,FNUC,FAINT HALO		
NGC 3301 Leo	H46-2	Galaxy SB0-a	CB,S,LE53,PSBM,R	NGC 3760
Feb 25 1984 12.5"	12mm	VDIF,MB,ML,EDGE ON,BNUC,MOD HISB		
Jan 30 1981 12.5"	24mm	PB,PL,ELONG,BNUC,DIM HALO		
Dec 03 1980 12.5"	24mm			
NGC 3319 UMa	H700-3	Galaxy SBc	CF,L,IE,MB,S OF M	
Mar 15 1985 12.5"	24mm	EDIF,EF,MS,OVAL,UB,*S OFF TO ONE SIDE		
NGC 3338 Leo	H77-2	Galaxy Sc	F,CL,E,VGBM,*7P10S	
Feb 25 1984 12.5"	12mm	DIF,MF,PL,B* CLOSE BY,FACE ON,UB,R		
Jan 30 1981 12.5"	24mm	DIF,PB,VL,DIM HALO,PAIR/3346		
Dec 03 1980 12.5"	24mm			

Observations by Herschel 400 (II)

NGC 3359 UMa	H52-5	Galaxy SBc	PB,L,E0,GLBM	
Mar 15 1985	12.5"	16mm	OVAL,PATCH,UB,STELL NUC DET	
Mar 15 1985	12.5"	24mm	DIF,MF,PL,LARGE DISFUZE PATCH IN BARREN AREA	
NGC 3424 LMi	H494-2	Galaxy SBb	PF,PL,LE,SP OF 3	
Jan 08 2003	12.5"	9mmT6	PB,ML,EDGE ON,STRUCTURE SUSP,DUST,F* IN EDGE,HISP,PAIR/3430/3413	
NGC 3430 LMi	H118-1	Galaxy SBc	PB,L,IE,GBM,2ND OF 3	IC 2613
Jan 08 2003	12.5"	9mmT6	PB,PL,OVAL,HISB,UB,NND,PAIR/3424/3413	
NGC 3507 Leo	H7-4	Galaxy SBb	CF,PL,R,SBMS*,*9ATT	
Jan 08 2003	12.5"	9mmT6	VB,VL,BNUC,B*ON EDGE OF GAL,HISB,SMALL CENTRAL REGION	
NGC 3516 UMa	H336-2	Galaxy SB0	PB,VS,IR,PSMBM*	
Mar 15 1985	12.5"	12mm	PF,PS,R,BM,F* CLOSE BY SEVERAL GAL DIA	
NGC 3524 Leo	H23-3	Galaxy S0-a	F,S,LE,PSBM,2*NPLINE	
Jan 08 2003	12.5"	9mmT6	MB,ML,ELONG,FNUC,SBM,HISB TOWARDS MIDDLE,OVAL,PAIR/PGC33588	
NGC 3547 Leo	H42-2	Galaxy Sb	F,S,LE,VLBM	
Mar 03 1984	12.5"	12mm	VDIF,VF,MS,PATCH-OVAL,NND,UB,NO *S	
NGC 3583 UMa	H728-2	Galaxy SBb	PB,PL,R,VGMBM	
Mar 15 1985	12.5"	12mm	PB,MS,R,SBM,MOD HISB,B*S AROUND OBJECT	
NGC 3596 Leo	H102-2	Galaxy SBc	PF,L,R,GLBM	
Mar 03 1984	12.5"	12mm	DIF,MB,PL,FNUC,SMALL FAINT NUC,R,TRI OF *S AROUND OBJECT,SBM	
Jan 30 1981	12.5"	24mm	DIF,PF,PL,DIM OUTER HALO,PAIR/3593	
NGC 3599 Leo	H49-2	Galaxy S0	B,PS,R,PGMBM	
Jan 08 2003	12.5"	9mmT6	DIF,MF,MS,DNUC,R,FACE ON,GMBM,MOD HISB IN MIDDLE,SMALL NUC REGION	
NGC 3605 Leo	H27-3	Galaxy E4	F,S,R,SP OF 3	
Mar 03 1984	12.5"	12mm	MF,PS,FNUC,PATCHY,SBM,CLOSE PAIR/3607	
Jan 30 1981	12.5"	24mm	DIF,EF,ES,FAINT HALO SUSP,PAIR/3607/3608	
NGC 3611 Leo	H521-2	Galaxy SA(s)	PF,CS,IR,PSMBM,*NP3'	
Mar 03 1984	12.5"	12mm	DIF,VF,VS,FNUC,R,BM,B* TO W	
NGC 3622 UMa	H879-2	Galaxy S?	PB,S,R,GBM	
Apr 03 2005	31"	17mmT4	MF,MS,OVAL,UB,NND,SHISB,R=G	
NGC 3642 UMa	H245-1	Galaxy Sbc	PB,PL,R,VGBM	
Mar 15 1985	12.5"	16mm	DIF,PF,PS,OVAL-PATCHY,SBM	
NGC 3646 Leo	H15-3	Galaxy Ring	CF,CL,LE,GBM,SP OF 2	
Mar 03 1984	12.5"	16mm	VDIF,VF,ML,F* TO W SIDE,OVAL-PATCH,UB,NND	
Jan 30 1981	12.5"	24mm	DIF,PF,VL,FAINT ARMS	

Observations by Herschel 400 (II)

NGC 3659 Leo	H53-2	Galaxy SBm	CF,S,LE,R	
Mar 03 1984	12.5"	12mm	VDIF,MF,MS,PATCHY,OVAL,NND,UB,NO *S	
NGC 3666 Leo	H20-1	Galaxy SBc	F,E90,*6F34S,5'N	
Mar 03 1984	12.5"	12mm	DIF,MF,MS,VERY EDGE ON,F*N FROM NUC,SBM	
NGC 3668 UMa	H845-2	Galaxy Sbc	F,PS,IR,GBM,*9NP	
Apr 03 2005	31"	17mmT4	PB,PL,OVAL,R,SMALL BNUC,COMP NOT DET,VF* IN EDGE,GBM,HISB MIDDLE,FARM SUSP,R=G	
NGC 3669 UMa	H829-2	Galaxy SBcd	VF,PL,PME135,ER	
Apr 03 2005	31"	17mmT4	MF,PL,EDGE ON,UB,NND,NO NUC,NO CENTRAL BULGE,R=E	
NGC 3681 Leo	H159-2	Galaxy SBbc	B,PS,R,BM	
Mar 03 1984	12.5"	12mm	DIF,MF,MS,FNUC,OVAL,SBM,FIRST IN A LINE OF OTHERS	
Jan 30 1981	12.5"	24mm	DIF,PF,PS,DIM HALO,SEVERAL COMP	
NGC 3682 Dra	H262-1	Galaxy S0-a	CB,S,IR,SPMBMN	
Apr 03 2005	31"	17mmT4	PB,MS,ELONG,LARGE BNUC,HISB MIDDLE,R=G	
NGC 3683 UMa	H246-1	Galaxy SBc	CB,PL,E	
Mar 15 1985	12.5"	16mm	DIF,PF,PS,ELONG,UB,NND,NO *S,COMP TO NW = 3674	
NGC 3689 Leo	H339-2	Galaxy SBc	PB,PL,LE,BM	
Mar 03 1984	12.5"	12mm	MF,MS,ELONG,SBM,CIGAR SHAPE	
NGC 3705 Leo	H13-2	Galaxy SBab	PF,PL,R,VSMBM,R	
Mar 03 1984	12.5"	12mm	MB,ML,EDGE ON,BNUC,SMALL BRT NUC,SBM,NO *S	
Jan 30 1981	12.5"	24mm	DIF,PF,PL,ELONG,FNUC,DIM HALO	
NGC 3756 UMa	H784-2	Galaxy SBbc	PF,L,LE	
Mar 15 1985	12.5"	16mm	PF,PL,OVAL,MOD HISB,UB,PAIR/3738	
NGC 4024 Crv	H295-2	Galaxy E/SB0	F,VS,IF,BM	
Mar 22 2004	12.5"	12mmT4	MF,MS,OVAL,LARGE BNUC,HOD HISB MIDDLE,R=G	
May 03 1981	12.5"	24mm	PB,PS,BNUC	
NGC 4039 Crv	H28.2-	Galaxy SBm	PF,PL	RING TAIL GALAXY
Mar 22 2004	12.5"	12mmT4	MF,PL,OVAL,PATCH,UB,NND,CLOSE COMP=4038,R=G	
May 03 1981	12.5"	24mm	PAIR/4038,RING TAIL GAL	
NGC 4045 Vir	H276-2	Galaxy SBa	PF,L,R,SBM,*SF	NGC 4046
Apr 26 2003	12.5"	9mmT6	MB,ML,OVAL,BNUC,MOD HISB,LARGE BRT NUC,R=G	
NGC 4047 UMa	H741-2	Galaxy Sb	PB,PS,R	
Apr 26 2003	12.5"	9mmT6	MB,ML,OVAL,BNUC,MOD HISB,R=G	
NGC 4062 UMa	H174-1	Galaxy SBc	PB,VL,ME97,VGBM	
Apr 26 2003	12.5"	9mmT6	VB,VL,ELONG TO OVAL,UB,VERY HISB,VF* OFF NUC,R=E	

Observations by Herschel 400 (II)

NGC 4073 Vir Apr 26 2003 12.5"	H277-2 9mmT6	Galaxy E PB,ML,OVAL,BNUC,MOD HISB,SMALL BRT NUC,MANY COMP,FOV RICH IN GAL,R=G	F,PS,R,PGBM,NP OF 2	
NGC 4096 UMa Mar 22 2004 12.5" Mar 27 1981 12.5"	H207-1 12mmT4 24mm	Galaxy SBc MF,PL,EDGE ON,PATCH,NND,SOMEWHAT BM,CENTRAL REGION PATCHY,BROKEN,R=G	PB,VL,ME32	
NGC 4124 Vir Apr 25 1981 12.5"	H33-1 24mm	Non-Existent DIF,PF,PL,ELONG,EDGE ON,FNUC,F HALO	PB,PL,ME118,BM,R	NGC 4119
NGC 4133 Dra Mar 06 2003 12.5"	H278-1 9mmT6	Galaxy SBb DIF,R,PATCH,UB,R=F	PB,CL,R,GMBM	
NGC 4136 Com Feb 27 1982 12.5" Jan 26 1982 12.5"	H321-2 16mm 16mm	Galaxy SBc DIF,MF,PL,PATCHY,FACE ON,ARMS SUSP,UB,OVAL MB,ML,FNUC,CLOSE TO B*,STELL NUC,HISB,OVAL	F,VL,VGMBM	
NGC 4138 CVn Mar 22 2004 12.5" Feb 25 2004 31"	H196-1 12mmT4 17mmT4	Galaxy S0-a PB,ML,ELONG,LARGE BNUC,SHISB,GMBM,HISB MIDDLE,R=E VB,PL,OVAL,SMALL BNUC,SHISB,SPR STR SUSP,HISB MIDDLE,GMBM,R=E	B,PL,E,VGBM,*NP	
NGC 4144 UMa Mar 22 2004 12.5"	H747-2 12mmT4	Galaxy SBc MF,PL,EDGE ON,SHISB,SB TOWARDS BAR,CENTRAL BULDGE,R=E	PF,CL,VME109,VGBM	
NGC 4152 Com Feb 27 1982 12.5"	H83-2 16mm	Galaxy SBc VDIF,VF,VS,PATCHY,OVAL,SBM	PB,PL,R,PGMBM,R	
NGC 4157 UMa Apr 23 2003 12.5"	H208-1 9mmT6	Galaxy SBb VF,EL,EDGE ON,BNUC,MOD HISB,DUST LANE SUSP,RES 7331,CENTRAL BULGE,R=E	PF,CL,VME60,(DOUBLE)	
NGC 4168 Vir Apr 26 2003 12.5"	H105-2 9mmT6	Galaxy E2 VB,PL,R,BNUC,VERY HISB,LARGE NUC AREA,R=E	PB,PL,IF,PSBM,R,*INV	
NGC 4169 Com Feb 27 1982 12.5"	H358-3 16mm	Galaxy S0 PF,VS,BNUC,F*S 1 GAL DIA,SBM,R,CLOSE PAIR/4170/4175 IN TRI SHAPE	F,S,1ST OF 4	Box - Hickson 61a
NGC 4185 Com Feb 27 1982 12.5"	H373-2 16mm	Galaxy Sbc VDIF,VF,ML,F*SW EDGE,NND,UB,R,FACE ON	CF,L,R,GBM	
NGC 4189 Com Apr 25 1981 12.5"	H106-2 24mm	Galaxy SBc PB,PS,DNUC,2F*S TO W	F,L,LE,VGLBM,R	IC 3050
NGC 4212 Com Feb 27 1982 12.5"	H108-2 16mm	Non-Existent DIF,MF,PL,B*S,PATCH-OVAL,NND,UB	B,L,E107,G,SBM,R	NGC 4208
NGC 4217 CVn Jan 26 1982 12.5" Mar 27 1981 12.5"	H748-2 16mm 24mm	Galaxy Sb VDIF,MF,MS,EDGE ON,HISB,3*S IN PLANE OF GAL,SEEMS TO BE A HOOK IN S ARM	PF,L,ME45,**N,P OF 2	

Observations by Herschel 400 (II)

NGC 4220 CVn	H209-1	Galaxy S0-a	CB,PL,PME134,PSBM	
Jan 26 1982	12.5"	16mm	MB,VL,BNUC,FAINT HALO,F*NE EDGE,SOMEWHAT OVAL,BM,	
Jan 26 1982	12.5"	24mm	NICE!!,PAIR/4217	
NGC 4224 Vir	H136-2	Galaxy Sa	PB,PS,LE,GBM,R	
Apr 25 1981	12.5"	24mm	DIF,PF,PS,FNUC,F HALO,PAIR/4233/4235	
NGC 4233 Vir	H496-2	Galaxy SB0	PF,R,VSMBMSN	
Apr 25 1981	12.5"	24mm	DIF,PS,PS,FNUC,F HALO,PAIR/4224/4235	
NGC 4235 Vir	H17-2	Galaxy Sa	PB,PL,PME,BM,P OF 2	IC 3098
Apr 25 1981	12.5"	24mm	DIF,PF,PS,FNUC,F HALO,PAIR/4233/4224	
NGC 4236 Dra	H51-5	Galaxy SBdm	VF,EL,ME160,VGBM	
Apr 23 2003	12.5"	9mmT6	DIF,MF,EL,ELONG,PATCH,LARGE,PATCHES DET,H2 REGIONS SUSP,R=G	
NGC 4237 Com	H11-2	Galaxy SBbc	PB,PL,LE,VGBM,R	
Mar 22 2004	12.5"	12mmT4	MF,PL,OVAL,LARGE FNUC,SHISB,LOC IN BARRON FOV,R=G	
NGC 4241 Vir	H480-3	Galaxy SBc	VF,L,VGBM,*7S	IC 3115
Apr 26 2003	12.5"	9mmT6	PB,PL,ELONG TO OVAL,BNUC,MOD HISB,PAIR/4165/4164,R=E	
NGC 4244 CVn	H41-5	Galaxy Sc	PB,VL,EE43,VGBM	
Jan 26 1982	12.5"	24mm	PB,VL,EDGE ON,* ON N TIP,NND,HISB,UB,TAPPED AT BOTH ENDS	
Oct 31 1980	12.5"	24mm		
NGC 4248 CVn	H742-2	Galaxy SBb	VF,S,PME,PSBM	
Mar 22 2004	12.5"	12mmT4	PF,MS,OVAL,PATCH,UB,NND,F* IN GAL BY NUC,PAIRS=M106/4231/4232,R=F	
NGC 4250 Dra	H264-1	Galaxy SB0-a	PB,S,R,PGBM	
Feb 04 2005	31"	17mmT4	PB,ML,R,LARGE BNUC,HISB MIDDLE,GMBM,R=G	
NGC 4256 Dra	H846-2	Galaxy Sb	PB,L,CE38,BMBN	
Feb 04 2005	31"	17mmT4	PB,ML,EDGE ON,SMALL BNUC,CENTRAL BULGE,HISB MIDDLE,BM,DUST SUSP,R=E	
NGC 4260 Vir	H138-2	Galaxy SBa	PB,E,PSBM	
Apr 25 1981	12.5"	24mm	DIF,PF,PS,FNUC,DIM HALO,PAIR/4261	
NGC 4264 Vir	H140-2	Galaxy SB0-a	F,PS,R,GBM	
Apr 26 2003	12.5"	9mmT6	MF,MS,OVAL,PATCH,UB,NND,PAIR/4261/4257,R=F	
NGC 4267 Vir	H166-2	Galaxy E/SB0	PB,VS,R,VSMBM	
Apr 25 1981	12.5"	24mm	PF,PS,FNUC,DIM HALO	
NGC 4270 Vir	H568?-	Galaxy S0	PB,S,R	
Apr 26 2003	12.5"	9mmT6	PB,PL,ELONG,OVAL,FNUC,SOMEWHAT HISB,SBM,CLUSTER,6 OF 9,R=G	
Apr 25 1981	12.5"	24mm	DIF,PF,PS,DARM,PAIR/4273/4281	

Observations by Herschel 400 (II)

NGC 4271 UMa Feb 04 2005 31"	H804-2 17mmT4	Galaxy E-S0 PB,MS,OVAL,LARGE BNUC,F* OFF ONE SIDE,ANOTHER OFF END,MOD HISB MID,PAIR=MAC,R=	PB,PL,IF	
NGC 4290 UMa Feb 04 2005 31"	H805-2 17mmT4	Galaxy SBab PB,ML,OVAL,SMALL BNUC,SHISB,HISB MIDDLE,BM,PAIR=4284,R=G	PB,L,R,GMBM	
NGC 4291 Dra Feb 04 2005 31"	H275-1 17mmT4	Galaxy E PB,MS,OVAL,SMALL BNUC,MOD HISB,2*S 90 DEG ON EDGE,PAIRS=4319/PGC39763/MAC,R=G	PB,VS,R,LBM,3*F	
NGC 4294 Vir Apr 25 1981 12.5"	H61-2 24mm	Galaxy SBc DIF,EF,PS,FARM,PAIR/4299	F,L,ME135,BIN,P OF 2	
NGC 4298 Com Apr 26 2003 12.5"	H111-2 9mmT6	Galaxy Sc VB,VL,R,UB,NND,MOD HISB,BRT * ON EDGE,PAIR=4302,R=E	F,L,E,VGBM,P OF 2	
NGC 4299 Vir Apr 25 1981 12.5"	H62-2 24mm	Galaxy SBd DIF,EF,ES,FARM,PAIR/4294	F,L,LE,VGBM,F OF 2	
NGC 4302 Com Apr 26 2003 12.5"	H112-2 9mmT6	Galaxy Sc PB,PL,EDGE ON,PATCH,UB,NND,SOMEWHAT HISB,PAIR=4298,R=E	L,VME177,F OF 2	
NGC 4310 Com Apr 26 2003 12.5"	H378-2 9mmT6	Galaxy SB0 MB,ML,OVAL,PATCH,UB,SOMEWHAT HISB,R=G	F,CL,LE,N OF 2	NGC 4338
NGC 4312 Com Apr 26 2003 12.5"	H628-2 9mmT6	Galaxy Sab MB,PL,EDGE ON,UB,SOMEWHAT HISB,CENTRAL PART OF GAL HISB,TIPS FAINTER,R=G	PB,CL,E,GBM	
NGC 4313 Vir Apr 26 2003 12.5"	H63-2 9mmT6	Galaxy Sab VB,VL,EDGE ON,UB,NND,MOD HISB,R=E	VF,L,E135,R	
NGC 4319 Dra Feb 04 2005 31"	H276-1 17mmT4	Galaxy SBab PB,ML,OVAL,SMALL FNUC,SHISB,* OFF EDGE,GMBM,PAIRS=4291/PGC39763/MAC,R=G	PB,PS,VLE,SBM	
NGC 4336 Com Apr 26 2003 12.5"	H406-2 9mmT6	Galaxy SB0-a VB,PL,OVAL,UB,VERY HISB,R=E	VF,PL,IR,(BIN)	IC 3254
NGC 4339 Vir Apr 25 1981 12.5"	H143-2 24mm	Galaxy E DIF,PF,PS,FNUC	B,PL,R,BM,3RD OF 3	
NGC 4340 Com Feb 12 1983 12.5"	H85-2 24mm	Galaxy SB0-a MB,PS,DNUC,SBM,OVAL,PAIR/4350	PB,S,R,PSBM	
NGC 4343 Vir Apr 26 2003 12.5"	H94-3 9mmT6	Galaxy Sb MB,ML,OVAL,SOMEWHAT HISB,LARGE BRT CENTRAL AREA,R=G	PF,S,E,(D)	
NGC 4359 Com Mar 22 2004 12.5"	H648-3 12mmT4	Galaxy SBc PF,ML,ELONG,SMALL BNUC,SHISB,HISB MIDDLE,GMBM,R=E	CF,PME90,VLBM	

Observations by Herschel 400 (II)

NGC 4369 CVn	H166-1	Galaxy Sa	CB,S,R,MBMN,R	
Jan 26 1982	12.5"	16mm	DIF,MF,PS,DNUC,*S SEVERAL GAL DIA,R,MBM,NUC DET,DIF HALO AROUND NUC	
NGC 4379 Com	H87-2	Galaxy E-S0	PS,R,PSBMN	
Mar 22 2004	12.5"	12mmT4	PF,MS,R,LARGE BNUC,SHISB,HISB MIDDLE,GMBM,R=G	
NGC 4395 CVn	H29.1-	Galaxy SBm	EF,VL,NP OF DNEB	
Mar 22 2004	12.5"	12mmT4	VDIF,EF,EL,PATCH,UB,NND,BROKEN PATCHES DET,R=P	
Jan 28 1982	12.5"	24mm	NO FIND	
NGC 4487 Vir	H776-2	Galaxy SBc	F,VL,ER	
May 01 1981	12.5"	24mm	DIF,EF,PL,FARM	
NGC 4519 Vir	H158-2	Galaxy SBcd	F,PL,R,BM,R	
May 03 1981	12.5"	24mm	DIF,PF,PL,FARM	
NGC 4571 Com	H602-3	Galaxy Sc	VF,L,E,VGBM,*9NF NR	IC 3588
Mar 22 2004	12.5"	12mmT4	DIF,VF,VL,OVAL,PATCH,UB,NND,SOMEWHAT BM,R=F	
NGC 4586 Vir	H125-1	Galaxy Sa	PB,L,E,PSBM	
Jun 04 1981	12.5"	24mm	DIF,PF,PL,ELONG,FAINT HALO	
NGC 4608 Vir	H69-2	Galaxy SB0	PB,PL,R,PSBM,R,*NP1'	
Jun 04 1981	12.5"	24mm	DIF,MF,PS,DIM HALO,PAIR/4596	
NGC 4612 Vir	H148-2	Galaxy SB0	PB,S,R,PSMBM	
Mar 27 1982	12.5"	12mm	MB,ML,BNUC,F* TO N,VMBM,BRT HALO,OVAL	
Jun 04 1981	12.5"	16mm	PF,PS,BNUC,FAINT HALO,BY 12 MAG *,PAIR/4623	
Jun 04 1981	12.5"	24mm	PB,PL,BNUC,BRT HALO,PAIR/4660	
NGC 4639 Vir	H125-2	Galaxy SBbc	PB,S,E,R,*12SF1'	
Mar 27 1982	12.5"	12mm	DIF,MB,PS,CLOSE TO 4654,R,SBM,F*N EDGE	
NGC 4647 Vir	H44-3	Galaxy SBc	PF,PL,LE115,NPOFDNEB	
Mar 22 2004	12.5"	12mmT4	MF,ML,OVAL,PATCH,UB,CLOSE PAIR=M60,VERY SMALL FNUC,R=F	
Mar 27 1982	12.5"	12mm		
Mar 27 1981	12.5"	24mm		
NGC 4691 Vir	H182-2	Galaxy SB0-a	PB,PL,E90,MBM	
Mar 27 1982	12.5"	12mm	MF,MS,ELONG,BRT BAR WITH DIF HALO,NND,HISB ALONG EQ PLANE	
NGC 4742 Vir	H133-1	Galaxy E4	PB,VS,VBMN=*11,*10SF	
Mar 22 2004	12.5"	12mmT4	MF,PS,R,SMALL BNUC,SHISB,HISB MIDDLE,GMBM,R=G	
NGC 4880 Vir	H83-3	Galaxy SB0-a	CF,PL,R,VGLBM,R	
Mar 22 2004	12.5"	12mmT4	MF,MS,OVAL,PATCH,LARGE VFNUC,SBM,R=F	
NGC 4902 Vir	H69-1	Galaxy SBb	PB,PL,IR,ST NR	
Mar 22 2004	12.5"	12mmT4	MB,PL,OVAL,LARGE FNUC,SHISB,PAIR=4887,R=G	

Observations by Herschel 400 (II)

NGC 4904 Vir	H517-2	Galaxy SBc	PB,PS,R,BM
Mar 22 2004	12.5"	12mmT4	PF,MS,OVAL,PATCH,LARGE FNUC,SBM,R=F
NGC 4914 CVn	H645-2	Galaxy E	PB,CS,R,SMBM,*17NP
Jan 28 1982	12.5"	16mm	EEDIF,VF,PS,OVAL,SMB
NGC 4915 Vir	H47-4	Galaxy E	PB,S,R,BM
Mar 22 2004	12.5"	12mmT4	PB,PS,R,SMALL BNUC,HISB MIDDLE,PAIRS=4918/4890,R=G
NGC 4928 Vir	H190-2	Galaxy Sbc	F,PS,VLE,GLBM
Mar 22 2004	12.5"	12mmT4	MF,MS,R,UB,SHISB,R=F
NGC 4939 Vir	H561-2	Galaxy Sbc	PB,L,R,GMBM
Mar 22 2004	12.5"	12mmT4	MF,MS,PATCH.LARGE FNUC,SBM,R=F
NGC 4941 Vir	H40-1	Galaxy SBab	PF,L,E,GBMBN,R
Mar 22 2004	12.5"	12mmT4	MF,MS,OVAL,R,SMALL BNUC,HISB MIDDLE,GMBM,R=G
NGC 4956 CVn	H413-2	Galaxy S0	PB,CS,R,SMBM
Mar 22 2004	12.5"	12mmT4	R,LARGE BNUC,SBM,SOMEWHAT HISB MIDDLE,R=F
NGC 4981 Vir	H189-2	Galaxy SBbc	B,PL,R,*10SF1'
Mar 22 2004	12.5"	12mmT4	MF,ML,SMALL BNUC,B* ON EDGE,HISB MIDDLE,GMBM,R=G
NGC 4984 Vir	H301-2	Galaxy SB0-a	B,PL,R,PSMBM
Mar 22 2004	12.5"	12mmT4	MB,ML,R,LARGE BNUC,SHISB,HISB MIDDLE,GMBM,R=G
NGC 4999 Vir	H537-2	Galaxy SBb	CF,PL,R,LBM,ER
Mar 22 2004	12.5"	12mmT4	MF,MS,OVAL,PATCH,NND,LOCATED IN BARRON FOV,VF* IN GAL,SOMEWHAT BM,R=F
NGC 5012 Com	H85-1	Galaxy SBc	PF,CL,E17,BIN,*9F
Mar 22 2004	12.5"	12mmT4	MF,MS,ELONG,PATCH,UB,SHISB,R=F
NGC 5018 Vir	H746-2	Galaxy E3	CB,S,R,MBMPBN
Mar 22 2004	12.5"	12mmT4	PB,ML,OVAL,LARGE BNUC,SHISB,HISB MIDDLE,GMBM,PAIR=5022,R=G
NGC 5020 Vir	H129-2	Galaxy SBbc	CF,CL,VLE,LBM
Mar 22 2004	12.5"	12mmT4	VF,ML,OVAL,R,VERY FAINT SMALL NUC OR * NUC,R=F
NGC 5023 CVn	H664-2	Galaxy Sc	PF,L,ME20,VLBM
Jan 28 1982	12.5"	16mm	VDIF,VF,MS,VERY EDGE ON,SPIKE LIKE
NGC 5037 Vir	H510-2	Galaxy Sa	CF,PS,VLE,BM
Mar 22 2004	12.5"	12mmT4	MF,MS,ELONG,SMALL FNUC,F* IN TIP,SBM,PAIR=5044 AND OTHERS,R=F
NGC 5044 Vir	H511-2	Galaxy E	PB,PL,R,BM
Mar 22 2004	12.5"	12mmT4	MB,ML,OVAL,PATCH,LARGE FNUC,SHISB MIDDLE,PAIR=OTHERS,R=G

Observations by Herschel 400 (II)

NGC 5053 Com	H7-6	Globular XI	CL,VF,PL,IR,VGBM,*15
Mar 22 2004 12.5"	12mmT4	VDIF,EF,VL,OVAL,FAINT PATCHY AREAS DETECTED,MORE WITH AV,R=P	
Mar 27 1981 12.5"	24mm		
NGC 5056 Com	H306-3	Galaxy Sc	CF,CS,R,SP OF 2
Mar 22 2004 12.5"	12mmT4	VF,MS,PATCH,UB,NND,PAIR=5057,R=P	
NGC 5103 CVn	H665-2	Galaxy S?	PB,CS,E
Jan 28 1982 12.5"	16mm	DIF,PF,PS,B*N,F*NE,SBM,MOD HISB	
NGC 5204 UMa	H63-4	Galaxy Sm	PB,CL,IR,GMBM,R
Apr 03 2005 31"	17mmT4	PB,VL,OVAL,UB,NND,SHISB,CLOSE COMP=MAC,PAIRS=MAC,R=G	
NGC 5308 UMa	H255-1	Galaxy S0	B,PL,ME57,PSBMBEN
Apr 03 2005 31"	17mmT4	PF,PL,EDGE ON,LARGE BNUC,HISB MIDDLE,DUST SUSP,TAPPERED ENDS,BULGE,R=E	
NGC 5371 CVn	H716-2	Galaxy SBbc	PB,L,R,BMFN
Jan 28 1982 12.5"	16mm		NGC 5390
		DIF,MB,PL,DNUC,2*S OFF W SIDE,1*NE,SMALL NUC,SOME KNTY STR SUSP,R,FACE ON	
NGC 5383 CVn	H181-1	Galaxy SBb	CB,CL,R,GBM
Jan 28 1982 12.5"	16mm	DIF,MB,ML,FNUC,F*NE SIDE,SBM,R,SPR STR SUSP	
NGC 5430 UMa	H827-2	Galaxy SBb	PB,S,IE,MBM
Mar 06 2003 12.5"	9mmT6	MB,PL,OVAL,PATCH,*NUC,R=F	
NGC 5440 CVn	H416-2	Galaxy Sa	PF,CS,LE,BM,*11SP
Feb 25 1982 12.5"	16mm	VDIF,PS,MF,ELONG,FNUC,NND,F*S TIP,UB,SMBM	
NGC 5443 UMa	H799-2	Galaxy SBb	PF,L,E
Mar 06 2003 12.5"	9mmT6	PB,ML,OVAL,PATCH,SOMEWHAT HISB,F* IN EDGE,SBM,R=G	
NGC 5444 CVn	H417-2	Galaxy E	PB,PL,IVLE,VSMBM
Jan 28 1982 12.5"	16mm	MF,PS,BNUC,R,GBM,F* OFF TO S,PAIR/5445	
NGC 5445 CVn	H413-3	Galaxy S0	F,*13P
Feb 25 1982 12.5"	16mm	VDIF,VF,VS,ELONG,F*S EDGE,NND,CIGAR SHAPE,B* OFF NE,PAIR/5444	
NGC 5480 UMa	H692-2	Galaxy Sc	F,PS,VGBM,NP OF 2
Mar 06 2003 12.5"	9mmT6	DIF,MB,PL,R,PATCH,SBM,LARGER THAN COMP,PAIR/5481,R=F	
NGC 5481 UMa	H693-2	Galaxy E	F,VS,SMBM,STELL,SF-2
Mar 06 2003 12.5"	9mmT6	DIF,MB,ML,R,PATCH,*NUC,PAIR/5480,R=F	
NGC 5485 UMa	H232-1	Galaxy S0	CB,R,VGBM,F OF 2
Mar 06 2003 12.5"	9mmT6	PB,PL,PATCH,MOD HISB,SGBM,PAIR/5486/5484,R=G	
Mar 27 1981 12.5"	24mm		
NGC 5493 Vir	H46-4	Galaxy S0	PB,VS,R,PSMBM*,*18IN
Apr 26 2003 12.5"	9mmT6	VB,MS,ELONG,BNUC,VERY HISB MIDDLE,VMBM,R=E	

Observations by Herschel 400 (II)

NGC 5506 Vir Apr 26 2003	12.5" 9mmT6	H687-2	Galaxy Sa/P MB,PL,ELONG TO EDGE ON,UB,NND,PAIR=5507,R=G	PB,L,E20,LBM
NGC 5507 Vir Apr 26 2003	12.5" 9mmT6	H49-4	Galaxy SB0 PB,ML,ELONG,FNUC,SOMEWHAT HISB,ROUND SOFT NUC,GBM,PAIR=5506,R=G	CF,S,R,STELLAR
NGC 5520 Boo Jun 01 2003 Mar 06 2003	12.5" 12.5" 9mmT6	H676-3	Galaxy Sb DIF,PF,PL,OVAL,PATCH,FNUC,SHISB,SMALL NUC AREA,SBM,R=F MB,MS,ELONG,BNUC,SMALL BRT NUC,SLIGHTLY HISB,R=F	F,S,LE,STELLAR
NGC 5523 Boo May 06 1981	12.5" 24mm	H134-3	Galaxy Sc DIF,VF,ML,EDGE ON,FAINT HALO	F,PL,PME90,*10NP
NGC 5533 Boo May 06 1981	12.5" 24mm	H418-2	Galaxy Sab DIF,VF,PL,FAINT HALO	PB,R,VSMBM,20R3*INV
NGC 5548 Boo May 06 1981	12.5" 24mm	H194-2	Galaxy S0-a MF,ES,DNUC,ONLY CENTRAL PART OF GAL SEEN	CF,PS,R,VSMBM*
NGC 5560 Vir Apr 26 2003	12.5" 9mmT6	H579-2	Galaxy SBb/P DIF,PF,VL,ELONG,UB,PATCH,NND,PAIR/5566/5569,R=F	PF,CL,E,GBM
NGC 5585 UMa Jun 01 2003	12.5" 9mmT6	H235-1	Galaxy SBcd VDIF,VF,VL,OVAL,PATCH,NND,PATCH AREA'S IN VARIOUS PARTS DETECTED,R=F	PF,L,IR,VGMBM,R
NGC 5595 Lib May 02 1981	12.5" 16mm	H121-3	Galaxy SBc DIF,PF,PL,ELONG,FNUC,PAIR/5597	F,PL,R,VGBM,P OF 2
NGC 5597 Lib May 02 1981	12.5" 16mm	H122-3	Galaxy SBcd DIF,VF,PS,FAINT HALO,PAIR/5595	VF,L,VLE,VGLBM,F OF 2
NGC 5600 Boo May 06 1981	12.5" 24mm	H177-2	Galaxy Sc DIF,MB,PS,NND,BRT HALO	PB,PS,GBM
NGC 5602 Boo Jun 01 2003	12.5" 9mmT6	H694-2	Galaxy Sa MF,MS,OVAL,FNUC,SHISB,SMALL NUC,R=F	PF,PS,LE,MBM
NGC 5605 Lib May 02 1981	12.5" 16mm	H120-3	Galaxy SBc DIF,VF,PL,DIM HALO	VF,PL,R,VGBM
NGC 5638 Vir Apr 26 2003	12.5" 9mmT6	H581-2	Galaxy E1 VB,ML,R,BNUC,MOD HISB,SOFT NUC,GBM,PAIR=5636,R=G	CB,PL,R,SF OF 2
NGC 5660 Boo May 06 1981	12.5" 24mm	H695-2	Galaxy SBc DIF,PB,PL,BRT HALO	PB,L,IR,VGBM
NGC 5687 Boo Apr 14 2004 May 06 1981	31" 12.5" 17mmT4 24mm	H808-2	Galaxy E-S0 MF,MS,ELONG,* BOTH TIPS,LARGE SOFT BNUC,MOD HISB MIDDLE,PAIR=PGC52098,R=F MB,MS,BNUC,DIM HALO,*13 MAG EDGE OF GAL	PF,S,IF,RESOLVA,*10F

Observations by Herschel 400 (II)

NGC 5728 Lib	H184-1	Galaxy Sab	PF,PL,PME45,MBM,*10S
May 02 1981	12.5"	16mm	PB,PL,ELONG ,BNUC,DIM HALO
NGC 5791 Lib	H691-3	Galaxy E6	PF,S,R,STELLAR
May 02 1981	12.5"	16mm	DIF,VF,PS,FAINT HALO
NGC 5806 Vir	H539-2	Galaxy SBb	CB,CL,E165,SBMN
Mar 19 2004	12.5"	12mmT4	DIF,VF,MS,ELONG,UB,NND,R=F
NGC 5812 Lib	H71-1	Galaxy E	CB,S,R,SVMBM
May 02 1981	12.5"	16mm	VB,VS,BNUC
NGC 5813 Vir	H127-1	Galaxy E1	B,PS,R,PSMBM
Mar 19 2004	12.5"	12mmT4	PF,MS,OVAL,SMALL FNUC,SBM,PAIR=5814,R=F
NGC 5831 Vir	H540-2	Galaxy E3	PB,S,MBM
Mar 19 2004	12.5"	12mmT4	MF,MS,OVAL,LARGE BNUC,SMBM,SHISB MIDDLE,R=F
NGC 5838 Vir	H542-2	Galaxy E-S0	PB,PS
Mar 19 2004	12.5"	12mmT4	MF,MS,OVAL,LARGE BNUC,HISB MIDDLE,R=G
NGC 5850 Vir	H543-2	Galaxy SBb	CF,S,LE,PSBM
Mar 19 2004	12.5"	12mmT4	MF,MS,OVAL,NND,PAIRS=5846,R=F
NGC 5854 Vir	H544-2	Galaxy SB0-a	PB,S,VLE,LBM,AM ST
Mar 19 2004	12.5"	12mmT4	MF,MS,ELONG,LARGE FNUC,SBM,R=F
NGC 5861 Lib	H192-2	Galaxy SBc	F,L,E,R
May 02 1981	12.5"	16mm	DIF,PF,VL,DIM HALO,FAINT GAL TO S
NGC 5878 Lib	H736-3	Galaxy Sb	PB,PL,PME0,PSMBM
May 02 1981	12.5"	16mm	DIF,PF,VL,EDGE ON,FNUC,MOD FAINT HALO
NGC 5879 Dra	H757-2	Galaxy Sbc	CB,S,E,MBMRN,R
Apr 23 2003	12.5"	9mmT6	ELONG,OVAL,BNUC,MOD HISB,LARGE NUC AREA,HISB MIDDLE,R=G
Jul 09 1983	12.5"	16mm	MB,ML,ELONG,BNUC,SBM,NO *'S,LARGE NUC AREA
Jul 22 1981	12.5"	16mm	DIF,MF,ML,ELONG TO EDGE ON,GBM,FAINT HALO
NGC 5899 Boo	H650-2	Galaxy SBc	CB,PL,PME,SMBMN
May 06 1981	12.5"	24mm	MB,VL,DNUC,DIM HALO
NGC 5970 Ser	H76-2	Galaxy SBc	PF,PL,R,RR
May 31 1981	12.5"	16mm	DIF,MB,PS,FAINT HALO

Observations by Herschel 400 (II)

NGC 5985 Dra	H766-2	Galaxy SBb	PB,CL,IE,R	
Apr 23 2003	12.5"	9mmT6	MB,VL,OVAL,PATCH,UB,NND,PATCHY KNTS SUSP,PAIR=5981/5982,R=G	
Jul 09 1983	12.5"	12mm	STELL NUC OR *,OTHERS PRESENT	
Jul 09 1983	12.5"	16mm	MF,PL,ELONG,UB,SPR STR SUSP,OTHER COMP	
Jul 22 1981	12.5"	16mm	DIF,R,SPR STR SUSP,OTHER GAL PRESENT	
Jul 14 1980	12.5"	24mm		
Jul 11 1980	12.5"	24mm		
Jun 20 1980	12.5"	24mm		
NGC 6015 Dra	H739-3	Galaxy Sc	VF,PL,R,VGBM	
Jun 01 2003	12.5"	9mmT6	MB,VL,ELONG,OVAL,NND,SHISB,F**S IN TIP,CIGAR SHAPE,CENTRAL BULGE,R=G	
Jul 09 1983	12.5"	16mm	MB,PL,OVAL,MOD HISB,3F**S OFF TO N,B*NW CLOSE BY,NND	
Jul 22 1981	12.5"	16mm	DIF,OVAL,F* TO N SIDE,SPR STR SUPS,14MAG *	
Jul 14 1980	12.5"	24mm	LOOKS LIKE A SMALL CLUSTER,APPROX 4 **S?	
Jul 11 1980	12.5"	24mm		
Jun 20 1980	12.5"	24mm		
NGC 6058 Her	H637-3	Planetary Neb PN	PF,VS,R,STELLAR	PK 64+48.1
Sep 06 2002	12.5"	16mm	PB,ML,R,DIF HALO,BM	
Sep 06 2002	12.5"	9mmT6	BM,MOD HISB,CENTRAL *	
NGC 6070 Ser	H553-3	Galaxy Sc	F,L,PME,VGBM,R	
May 31 1981	12.5"	16mm	DIF,PB,PL,ELONG,BRT HALO	
NGC 6106 Her	H151-2	Galaxy Sc	F,PL,LE,VGBM,R	
Feb 27 1982	12.5"	16mm	EDIF,VF,MS,NND,PATCHY-OVAL,SOMEWHAT HISB	
NGC 6155 Her	H690-2	Galaxy Sc	F,PS,IF,GBM	
Feb 27 1982	12.5"	16mm	DIF,VF,MS,OVAL,MOD HISB,NND	
NGC 6166 Her	H875-2	Galaxy E	PF,S,VLE,VGMBM	
Feb 27 1982	12.5"	16mm	VDIF,VF,MS,R,PATCHY,SBM,OVAL	
NGC 6181 Her	H753-2	Galaxy SBc	PB,PL,VLE,PGMBM	
Feb 27 1982	12.5"	16mm	DIF,MF,PS,F*S CLOSE,MOD HISB	
Jul 14 1980	12.5"	24mm		
Jul 05 1980	12.5"	24mm		
NGC 6239 Her	H727-3	Galaxy SBb	VF,E,BIN,NPSF	
Mar 27 1982	12.5"	16mm	VDIF,VF,MS,PATCHY,UB,NND	
Feb 25 1982	12.5"	16mm	EDIF,MF,MS,F*N SEVERAL GAL DIA,SBM,OVAL,NUC SUSP	
NGC 6340 Dra	H767-2	Galaxy S0-a	CF,PL,R,VGMBM	
Jun 22 2003	12.5"	9mmT6	PB,PL,R,BNUC,MOD HISB,SMALL BRT NUC,FACE ON,SPR STR SUSP,PAIR=IC1251/IC1254,R=G	
Jul 22 1981	12.5"	16mm	ALMOST STELL NUC,DIF HALO,F* SUSP N SIDE	
NGC 6507 Sgr	H53-8	Open Cluster IV2p	CL,PS,LRI,LC	
Sep 04 2002	12.5"	24mm	MF,PL,APPROX 20-30**S SAME MAG,SOMEWHAT FAINT BACKGROUND GLOW	

Observations by Herschel 400 (II)

NGC 6526 Sgr Sep 04 2002	12.5" 24mm	H9-5	Nebula EN+* F,L,CE EF,PL,DIF NEBULA,LARGE AREA OF NEB,BARELY DETECTED
NGC 6548 Her Jul 03 2003 Sep 04 2002	12.5" 12.5"	H555-3 9mmT6 9mmT6	Galaxy SB0 CF,S,LE,R NGC 6550 PB,VL,R,BNUC,SHISB,HISB MIDDLE,LARGE SOFT NUC,PAIR=6549,R=G PB,ML,OVAL,GMBM,MOD HISB,PAIR/6549
NGC 6596 Sgr Sep 04 2002	12.5" 24mm	H55-8	Open Cluster III2m CL,LC MB,ML,LOOSE,SCATTERED,APPROX 30*S, SAME MAG,DOESNOT STAND OUT WELL
NGC 6604 Ser Sep 04 2002	12.5" 24mm	H15-8	Open Cluster I3p CL,LRI,LC VP,PL,*S DIFFERENT MAG,FEW B*S WITH FAINT BACKGROUND GLOW
NGC 6717 Sgr Sep 04 2002	12.5" 9mmT6	H143-3	Globular VIII F,S,RR,CL+NEB Pal 9 PB,ML,B* CLOSE BY,VF* IN EDGE OF GAL,HISB,2 HALVES OR PARTS DETECTED
NGC 6772 Aql Jul 10 1981	12.5" 12mm	H14-4	Planetary Neb PN VF,L,R,VVLBM,R PK 33-6.1 VDIF,R,LOCATED IN BARREN * FIELD,EF
NGC 6793 Vul Sep 04 2002	12.5" 24mm	H81-8	Open Cluster IV2p CL,P,LC PB,PL,LOOSELY SCATTERED,*S APPROX SAME MAG
NGC 6800 Vul Sep 04 2002	12.5" 24mm	H21-8	Open Cluster III2p CL,VL,PRI,VLC,ST10.. PB,PL,*S APPROX SAME MAG,APROX 30*S
NGC 6804 Aql Aug 31 1984 Jul 10 1981	12.5" 12.5"	H38-6 12mm 12mm	Planetary Neb PN CB,S,IR,RRR PK 45-4.1 PF,MS,BNUC,R-OVAL,SBM,F* TOWARDS OUTER EDGE,PATCHY GREEN,DIF,PF,MS,CENTRAL * APPROX 14MAG
NGC 6814 Aql Jul 30 2002 Aug 31 1984 Jul 10 1981	12.5" 12.5" 12.5"	H744-3 12mm 16mm 12mm	Galaxy SBbc PF,PL,R,BM,R PF,PS,FACE ON,3 F*S AROUND OBJECT,SOME SPR STR SUSP,BM VDIF,PF,MS,SAME DIF,NO STR DET,F* ON W EDGE
NGC 6824 Cyg Jun 21 2003 Jul 06 2002	12.5" 12.5"	H878-2 9mmT6 16mm	Galaxy Sab PB,IF,BM VB,VL,BNUC,VERY HISB,F* OFF TO EDGE,LARGE BRT NUC,GMBM,R=E DIF,PF,MS,OVAL PATCH,UB,12MAG * CLOSE BY
NGC 6857 Cyg Jul 24 1981	12.5" 12mm	H144-3	Nebula EN F,AM MILKY WAY ST PK 70+1.2 DIF,3 OR 4 F*S IN NEB,PATCHY
NGC 6888 Cyg Sep 04 2002 Sep 04 2002	12.5" 12.5"	H72-4 25mm 32mm	Nebula EN F,VL,VME,**ATT Crescent Nebula PB,PL,BRT NEBULA,2B*S WITH GLOW OF NEB BETWEEN AND AROUND *S NEB EASILY DETECTED
NGC 6894 Cyg Sep 04 2002	12.5" 9mmT6	H13-4	Planetary Neb PN RINGNEB,F,S,VVLE PK 69-2.1 MF,PS,UB,OVAL,CENTRAL REGION DARK PATCH,ONE SIDE SLIGHTLY BRIGHTER

Observations by Herschel 400 (II)

NGC 6907 Cap	H141-3	Galaxy SBbc	CF,CL,VLE,VGLBM,3STP
Jul 08 1983	12.5"	16mm	EDIF,PF,MS,F* TO E 1 GAL DIA,UB,NND,OVAL
Jul 10 1981	12.5"	16mm	DIF,ELONG,S BAR BRT THAN ANY PART OF GAL
NGC 6960 Cyg	H15-5	Nebula SNR	PB,CL,EIF,KAPPACYGIN
Sep 04 2002	12.5"	32mm	PB,EL,SNR,WHIPS ON BOTH SIDES OF B* EASILY DETECTED,PARTS OF SNR HAVE HISB
NGC 6991 Cyg	H76-8	Open Cluster OCL	CL,L,P,VLC
Sep 04 2002	12.5"	32mm	VB,EL,APROX 50*S,*S SIMULAR IN BRIGHTNESS,RICH * FIELD
NGC 6992 Cyg	H14-5	Nebula EN	EF,EL,EE,EIF,BIFID
Sep 04 2002	12.5"	32mm	VB,EEL,SNR,HISB,ARC GOES 2 FOV'S
NGC 6997 Cyg	H58-8	Open Cluster III2p	CL,P,LC,ST L
Sep 04 2002	12.5"	32mm	VB,EL,APPROX 40*S VARYING IN BRIGHTNESS,WELL PLACED IN 32MM
NGC 7023 Cep	H74-4	Nebula EN+OC	*7IN EF,EL,NEBY
Jul 09 1983	12.5"	12mm	DIF,MB,MS,GAS AROUND B*,SOME DETAIL IN GAS DET
NGC 7031 Cyg	H74-8	Open Cluster IV1p	CL OF TRIP ST,LC
Sep 04 2002	12.5"	32mm	PB,PL,FEW B*S WITH MANY F*S,ELONG IN SHAPE
NGC 7042 Peg	H209-3	Galaxy Sb	VF,S,R
Aug 10 2002	12.5"	12mm	DIF,MF,PL,OVAL,PATCHY,UB,COMP=7043
Aug 10 2002	12.5"	9mmT6	DIF,MF,MS,ELONG,MOD HISB,MBM
NGC 7067 Cyg	H50-7	Open Cluster II2p	CL,P,(NEB)
Sep 04 2002	12.5"	32mm	PB,PS,APPROX 20*S,FAINT PATCH IN CLUSTER
NGC 7082 Cyg	H52-7	Open Cluster IV2p	CL,L,CRI,LC,ST10..13
Sep 04 2002	12.5"	32mm	PB,VL,APROX 20-30 *S,LOC IN RICH * FIELD,DOES NOT STAND OUT WELL
NGC 7129 Cep	H75-4	Nebula RN+OC	CF,PL,GBM***
Jun 20 2004	31"	17mmT4	PB,PL,LOOSLY SCATTERED,APPROX 10 *S,PAIR=7133,R=F
Aug 11 1982	12.5"	24mm	MF,PS,R-OVAL,4*S ON OUTSIDE EDGE,1F* IN CENTER OF OBJECT,SAME FOV AS 7142
NGC 7139 Cep	H696-3	Planetary Neb PN	VF,CS,R,R
Aug 25 1982	12.5"	24mm	VDIF,VF,ML,R,BARELY VISIBLE IN 24MM,F* IN S PART OF NEBULA,UB
NGC 7156 Peg	H452-3	Galaxy SBc	F,PL,R,BM,R
Aug 10 2002	12.5"	9mmT6	VDIF,VF,PL,OVAL,UB,NND
NGC 7171 Aqr	H692-3	Galaxy SBb	VF,CL,E124,VGBM
Jul 10 1981	12.5"	16mm	DIF,PF,MS,ELONG,FAINT HALO
Sep 10 1980	12.5"	16mm	

Observations by Herschel 400 (II)

NGC 7177 Peg	H247-2	Galaxy SBb	PB,PS,R,BMN,R,*SP
Aug 10 2002	12.5"	9mmT6	VDIF,VF,PS,PATCHY,SLIGHTLY ELONG
Sep 21 1984	12.5"	16mm	MB,PL,BNUC,R,BM,4F*S IN A LOOP STARTING TOWARDS S,MOD HISB
Aug 25 1982	12.5"	16mm	MB,PL,MOD HISB,F*S 1 GAL DIA,R,VMBM
Jul 07 1981	12.5"	16mm	DIF,MF,PS,DIM HALO
Sep 10 1980	12.5"	24mm	
Jul 15 1980	12.5"	24mm	
Jul 11 1980	12.5"	24mm	
NGC 7184 Aqr	H1-2	Galaxy SBc	PB,PL,ME64,BET3*,ER
Sep 06 2002	12.5"	9mmT6	VB,VL,ELONG,HISB MIDDLE,LARGE CENTRAL BULGE,F* BOTH ENDS
Aug 31 1984	12.5"	24mm	DIF,PF,MS,ELONG,F* IN W TIP,TAPPERED-CIGAR SHAPE
Jul 10 1981	12.5"	16mm	DIF,MB,ML,EDGE ON,FNUC,DIM HALO
Sep 10 1980	12.5"	24mm	
Sep 09 1980	12.5"	24mm	BM,EDGE ON
NGC 7218 Aqr	H897-2	Galaxy SBc	PB,LE,R
Jul 10 1981	12.5"	16mm	SOMEWHAT EDGE ON,*S N AND S,NO STR SUSP,DIF,PF,MS
Sep 10 1980	12.5"	24mm	
NGC 7245 Lac	H29-6	Open Cluster II1p	CL,C,ST ES
Sep 20 1984	12.5"	24mm	MB,PS,V RICH * FIELD,B*NE SIDE,APPROX 40-50*S WITH FAINT BACKGROUND GLOW
NGC 7332 Peg	H233-2	Galaxy S0	CB,S,ME156,SMBMN,P-2
Aug 10 2002	12.5"	12mm	SAME
Sep 21 1984	12.5"	12mm	SAME,NO *S
Jul 06 1983	12.5"	16mm	MF,MS,EDGE ON,BNUC,CLOSE PAIR/7339,MINATURE M104,BRT BULGE,TAPPERED ENDS
Sep 18 1982	12.5"	16mm	MB,ML,EDGE ON,BNUC,GMBM,TAPPERED,PAIR/7339
Jul 29 1981	12.5"	16mm	EDGE ON,GMBM
Jul 07 1981	12.5"	16mm	DIF,MB,ML,FAINT HALO,FAINT COMP CLOSE BY
Sep 10 1980	12.5"	24mm	
Sep 07 1980	12.5"	24mm	
Jul 15 1980	12.5"	24mm	
Jul 12 1980	12.5"	24mm	
Jul 11 1980	12.5"	24mm	LOC BETWEEN 2B*S
NGC 7354 Cep	H705-2	Planetary Neb PN	PLN,B,S,R,PGVLBM
Jul 09 1983	12.5"	12mm	VF,PS,2F*S ON EDGE,VERY R,SOFT UB GLOW
NGC 7377 Aqr	H598-2	Galaxy SB0-a	PB,S,VLE,VGMBM,*12P
Jul 10 1981	12.5"	16mm	R,BM,DIF HALO
NGC 7392 Aqr	H702-2	Galaxy SBbc	PB,PS,LE120,MBM
Jul 10 1981	12.5"	24mm	NO BRT TOWARDS CENTER,SEEMS TO BE A WHISP IN THE S ARM,MF,MS,DIF
NGC 7419 Cep	H43-7	Open Cluster II3r	CL,PRI,CC
Sep 04 2002	12.5"	32mm	PB,ML,FEW B*S WITH GLOW IN BACKGROUND

Observations by Herschel 400 (II)

NGC 7457 Peg	H212-2	Galaxy E-S0	CB,CL,LE,GMBM,R,2S*N	
Aug 10 2002	12.5"	12mm	MF,ML,OVAL,PATCHY,GMBM,MOD HISB,SPR STR SUSP	
Sep 21 1984	12.5"	16mm	MF,MS,STELL NUC,SLIGHTLY ELONG,2*S SAME MAG SW CLOSE BY	
Jul 07 1981	12.5"	24mm	DIF,MF,PS,FNUC	
Sep 10 1980	12.5"	24mm		
NGC 7463 Peg	H210-3	Galaxy SBb/P	VF,S,LE,P OF 2	
Aug 20 2003	31"	25mm	PB,PL,PATCH,UB,NND,SHISB,COMP=7464,PAIRS=7465/7464,R=G	
Jul 29 2003	12.5"	9mmT6	PB,PL,ELONG,PATCH,UB,PAIR/7464/7465,R=G	
Aug 10 2002	12.5"	9mmT6	DIF,MF,PL,EDGE ON,COMP=7465,SBM	
NGC 7465 Peg	H211-3	Galaxy SB0	VF,VS,FOF 2	
Aug 20 2003	31"	25mm	PB,PL,BNUC,MOD HISB,LARGE BRT NUC,PAIRS=7464/7463,R=E	
Jul 29 2003	12.5"	9mmT6	MB,ML,R,BNUC,HISB,GMBM,LARGE NUC,PAIR/7484/7463,R=G	
Aug 10 2002	12.5"	9mmT6	PB,ML,BNUC,GMBM,OVAL,COMP=7463	
NGC 7507 Scl	H2-2	Galaxy E	PB,CS,R,PSVMBM,*10NP	
Sep 27 1981	12.5"	16mm	MB,MS,BNUC,MBM,R,HISB IN CENTER NUC,NUC DET,F* OFF TO W	
Sep 09 1980	12.5"	16mm	BNUC	
NGC 7541 Psc	H430-2	Galaxy SBc	B,L,ME97,MBM,NF OF 2	NGC 7581
Oct 30 1981	12.5"	24mm	FAINT,E1 GAL CLOSE BY	
Oct 31 1980	12.5"	24mm	FAINT ELIPTICAL COMP BESIDE OBJECT	
NGC 7562 Psc	H467-2	Galaxy E2	CB,PS,IR,PSBM	
Sep 04 2002	12.5"	16mm	PF,PS,OVAL,GMBM,LARGE NEC AREA,PAIR/7562A/7557	
NGC 7600 Aqr	H431-2	Galaxy E-S0	CF,S,R,PSMBM	
Jul 10 1981	12.5"	16mm	SOMEWHAT EDGE ON,DIF,PF,PS,FAINT HALO	
NGC 7619 Peg	H439-2	Galaxy E	CB,PS,R,PSBM	
Sep 21 1984	12.5"	12mm	PF,PS,3 COMP DET,FORMS A TRI WITH A B* IN MIDDLE,R,BM,NO *S	
Sep 24 1981	12.5"	16mm	MF,PS,DNUC,R,GBM	
Oct 31 1980	12.5"	24mm	PAIR/7626	
Sep 07 1980	12.5"	24mm	COMP PRESENT,BOTH HAVE BNUC	
NGC 7623 Peg	H435-3	Galaxy S0	F,VS,R,PSBM	
Sep 27 1981	12.5"	16mm	VDIF,MF,PS,NNS,R,DIF HALO,4 COMP GAL	
NGC 7626 Peg	H440-2	Galaxy E	CB,PS,R,PSBM	
Sep 21 1984	12.5"	12mm	PF,PS,F* CLOSE BY,R-OVAL,SBM,PAIR/7619	
Sep 24 1981	12.5"	16mm	MF,PS,DNUC,COMP SUSP SE BY B*,SAME VIS APPAREANCE AS 7619,PAIR/7319	
Oct 31 1980	12.5"	24mm	PAIR/7619	
NGC 7635 Cas	H52-4	Nebula EN	VF,*8INV L EXCENTRIC	Bubble Nebula
Jul 31 1981	12.5"	16mm	VDIF,IRR IN SHAPE,NEB AROUND B*,BUBBLE NEBULA	

Observations by Herschel 400 (II)

NGC 7640 And	H600-2	Galaxy SBc	CF,L,ME164,VLBM,R	
Aug 31 1984	12.5"	16mm	DIF,PF,ML,ELONG,UB,B* ON W TIP,B* ON E SIDE,STRETCHES BET 2**S,PREVIOUS * THERE	
Sep 23 1981	12.5"	16mm	ELONG,3B**S AROUND GAL,F 14* ON SE ARM,DIF ARMS,SBM,MB,PS	
Sep 10 1980	12.5"	24mm		
NGC 7742 Peg	H255-2	Galaxy Sb	CB,CS,GMBM,*12F72"	
Sep 21 1984	12.5"	16mm	DIF,PF,MS,F* TO W SIDE,R,PATCHY,SBM	
Jul 07 1981	12.5"	24mm	DIF,VF,MS,FAINT HALO	
Sep 10 1980	12.5"	24mm		
NGC 7762 Cep	H55-7	Open Cluster II2p	CL,PRI,PC,*11...15	
Jul 09 1983	12.5"	24mm	MF,ML,DOESNOT STAND OUT WELL,LOOSE	
NGC 7785 Psc	H468-2	Galaxy E5	PB,PS,IR,PSBM,R,*8P	
Sep 27 1981	12.5"	16mm	MF,MS,BNUC,NE OF 1 B*,HISB,GMBM	
NGC 7814 Peg	H240-2	Galaxy Sab	CB,CL,E,VGBM	
Sep 21 1984	12.5"	16mm	MB,PL,ELONG,LARGE SOFT NUC,HISB,NO **S	
Jul 07 1981	12.5"	24mm	DIF,MF,ML,VERY FAINT HALO	
Sep 10 1980	12.5"	24mm		
NGC 7832 Psc	H190-3	Galaxy E	VF,VS,R,VGPSMBM,2*SF	IC 5386
Sep 04 2002	12.5"	16mm	DIF,PF,PS,OVAL,GMBM,MOD HISB,PAIR/PGC 535	