

Circumpolar Observations

IC 10 Sep 11 2004	Cas 31"	17mmT	Galaxy IBm VF,MS,OVAL,PATCH,UB,SEVERAL *S IN GAL,R=P	
IC 1027 Apr 14 2004	Boo 31"	17mmT	Galaxy S MF,PS,OVAL,SMALL FNUC,PAIR=MAC,R=F	
IC 1046 Feb 05 2005	UMi 31"	17mmT	Galaxy Sc PF,MS,OVAL,PATCH,UB,NND,R=F	
IC 1049 Apr 14 2004	Dra 31"	17mmT	Galaxy SBa PF,PS,OVAL,SMALL FNUC,R=F	
IC 1056 Apr 14 2004	Boo 31"	17mmT	Galaxy Sb PF,ML,PATCH,UB,NND,R=F	IC 1057
IC 1065 Apr 14 2004	Dra 31"	17mmT	Galaxy SB0 MF,PS,OVAL,LARGE FNUC,SHISB,R=F	
IC 1069 Apr 14 2004	Boo 31"	17mmT	Galaxy S0 MF,PS,OVAL,LARGE FNUC,R=F	
IC 1074 Apr 14 2004	Boo 31"	17mmT	Galaxy Sbc DIF,MF,MS,ELONG,PATCH,UB,NND,R=F	
IC 1083 Apr 14 2004	UMi 31"	17mmT	Galaxy Sbc DIF,MF,MS,PATCH,UB,NND,R=F	
IC 1099 Apr 23 2003	Dra 12.5"	9mmT6	Galaxy SBc VF,VS,PATCH,UB,NND,F* SURROUNDS GAL,R=P	
IC 1110 Apr 23 2003	UMi 12.5"	9mmT6	Galaxy Sa DIF,MF,MS,OVAL,PATCH,UB,NND,R=F	
IC 1111 Apr 23 2003	Boo 12.5"	9mmT6	Galaxy Sb VDIF,VF,MS,PATCH,UB,R=P	
IC 1129 Apr 23 2003	UMi 12.5"	9mmT6	Galaxy Sc DIF,VF,VS,OVAL,PATCH,NND,R=P	
IC 1139 Apr 23 2003	UMi 12.5"	9mmT6	Galaxy S EDIF,EF,ES,PATCH,AV,R=P	
IC 1143 Apr 23 2003	UMi 12.5"	9mmT6	Galaxy E MF,MS,OVAL,PATCH,FNUC,SOMEWHAT HISB,R=F	
IC 1145 Apr 23 2003	UMi 12.5"	9mmT6	Galaxy Sbc VDIF,VF,VS,PATCH,AV HOLDS,R=P	
IC 1146 Jun 01 2003	Dra 12.5"	9mmT6	Galaxy S DIF,PF,PS,PATCH,UB,R=P	
IC 1154 Jun 01 2003	UMi 12.5"	9mmT6	Galaxy E VDIF,VF,VS,PATCH,R=P	

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IC 1187 Jun 01 2003	UMi 12.5" 9mmT6	Galaxy S? EDIF,EF,ES,AV,SUSP,LOC GOOD,R=P	
IC 1201 Jun 01 2003	Dra 12.5" 9mmT6	Galaxy Sb EDIF,EF,ES,SUSP,LOC GOOD,R=P	
IC 1210 Jun 21 2003	Dra 12.5" 9mmT6	Galaxy Sab MF,MS,ELONG,FNUC,SMALL SOFT NUC,R=F	
IC 1211 Jun 22 2003	Dra 12.5" 9mmT6	Galaxy E MB,ML,OVAL,BNUC,LARGE NUC AREA,R=F	
IC 1212 Jun 21 2003	Dra 12.5" 9mmT6	Galaxy C MF,MS,R,FNUC,B* IN FOV,SMALL NUC,PAIR=PGC57677,R=F	
IC 1214 Jun 21 2003	Dra 12.5" 9mmT6	Galaxy S0-a MF,MS,ELONG,*NUC,FAINT * NUC,F* JUST OUTSIDE OF GAL,R=F	
IC 1215 Jun 21 2003	Dra 12.5" 9mmT6	Galaxy SB/P PF,MS,PATCH,UB,NND,MOD HISB,PAIRS=IC1216/IC1218,R=F	
IC 1216 Jun 21 2003	Dra 12.5" 9mmT6	Galaxy Sc DIF,VF,PS,ELONG,PATCH,UB,NND,PAIRS=IC1215/IC1218,R=P	
IC 1218 Jun 21 2003	Dra 12.5" 9mmT6	Galaxy S? VF,MS,ELONG,UB,NND,PAIRS=IC1215/IC1216,R=F	
IC 1225 Jun 22 2003	Dra 12.5" 9mmT6	Galaxy SBb VDIF,VF,MS,PATCH,UB,AV COMES AND GOES,R=P	
IC 1228 Jun 24 2003	Dra 12.5" 9mmT6	Galaxy SBab PF,MS,PATCH,UB,NND,R=P	
IC 1230 Jun 24 2003	Her 12.5" 9mmT6	Galaxy S M DIF,VF,VS,R,PATCH,UB,R=P	
IC 1231 Jun 24 2003	Dra 12.5" 9mmT6	Galaxy Sc MB,ML,ELONG,UB,NND,R=F	
IC 1235 Jun 24 2003	Dra 12.5" 9mmT6	Galaxy S MF,PS,OVAL,R,UB,SHISB,R=F	MK 1109
IC 1237 Jun 24 2003	Dra 12.5" 9mmT6	Galaxy SBbc MF,PS,PATCH,UB,PAIR=PGC59287,R=F	
IC 1241 Jun 21 2003	Dra 12.5" 9mmT6	Galaxy S? MF,MS,OVAL,PATCH,UB,NND,R=F	
IC 1248 Jun 22 2003	Dra 12.5" 9mmT6	Galaxy SBc DIF,VF,PS,PATCH,UB,NND,R=P	
IC 1251 Jun 22 2003	Dra 12.5" 9mmT6	Galaxy Sc VDIF,VF,PS,PATCH,AV COMES AND GOES,PAIR=6340/IC1254,R=P	

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IC 1252 Jun 22 2003	Dra 12.5"	9mmT6	Galaxy Sab EDIF,EF,VS,PATCH,AV,SUSP,FAINT GLOW BETWEEN 2F*S,CLUSTER 5 OF 5,R=P	IC 4649
IC 1254 Jun 22 2003	Dra 12.5"	9mmT6	Galaxy SBb EDIF,EF,PS,PATCH,AV COMES AND GOES,LOC GOOD,PAIR=6340/IC1251,R=P	
IC 1258 Jun 24 2003	Dra 12.5"	9mmT6	Galaxy Sa MB,MS,OVAL,PATCH,UB,NND,PAIRS=IC1259/PGC60325/PGC60332,R=G	
IC 1259 Jun 24 2003	Dra 12.5"	9mmT6	Galaxy E-S0 MB,MS,SHISB,VERY CLOSE COMP=PGC60325,OTHER PAIRS PRESENT,BRIGHTEST OF GROU	
IC 1261 Jun 23 2003	Dra 12.5"	9mmT6	Galaxy E-S0 DIF,VF,VS,PATCH,AV,ELONG,COMP ATTACHED=PGC60186,R=P	
IC 1267 Jun 24 2003	Dra 12.5"	9mmT6	Galaxy SBb DIF,PF,MS,OVAL,PATCH,UB,R=P	
IC 1286 Jun 24 2003	Dra 12.5"	9mmT6	Galaxy Sab DIF,PF,MS,PATCH,UB,NND,R=F	
IC 1502 Jun 24 2003	Cep 12.5"	9mmT6	Galaxy S0-a MF,PS,PATCH,*NUC,SHISB,2F*S ON EDGE OF GAL,SOMEWHAT BM,STELL NUC SUSP,R=F	
IC 2166 Feb 17 2004	Lyn 31"	17mmT	Galaxy SBbc MB,VL,OVAL,PATCH,VERY LARGE FNUC,F* OFF ONE SIDE,SLIGHTLY BM,R=G	
IC 2174 Feb 01 2005 Jan 30 2005	Cam 31" 31"	17mmT 17mmT	Galaxy SBa MB,PL,ELONG,PATCH,LARGE FNUC,VF* IN NUC,R=F PF,MS,ELONG,PATCH,UB,NND,PAIR=2314,R=F	
IC 2179 Feb 01 2005	Cam 31"	17mmT	Galaxy E1 VB,PL,R,LARGE BNUC,MOD HISB,GMBM,HISB MIDDLE,R=G	
IC 2184 Feb 01 2005	Cam 31"	17mmT	Galaxy Sbc MF,PL,PATCH,UB,NND,R=G	
IC 2209 Feb 01 2005	Cam 31"	17mmT	Galaxy SBb DIF,PF,VL,OVAL,PATCH,UB,NND,PAIRS=2460/PGC22269,R=F	
IC 2389 Feb 04 2005	Cam 31"	17mmT	Galaxy SBb PF,MS,ELONG,SMALL BNUC,MOD HISB MIDDLE,CENTRAL BULGE,PAIR=2636,R=G	
IC 2458 Apr 14 2004 Jan 08 2003	UMa 31" 12.5"	17mmT 9mmT6	Galaxy S0-a VF,MS,PATCH,UB,NND,OFF TIP OF NGC2820,PAIRS/2814/2820,R=P EEDIF,EF,ES,SUSP ONLY,PAIR/2814/2820	NGC 2820A
IC 2574 Feb 04 2005	UMa 31"	17mmT	Galaxy SBm PF,PL,OVAL,SHISB,PATCHY AREA,H2 REGION,IRR IN SHAPE,PAIR=MAC,R=F	
IC 2600 Feb 05 2005	UMa 31"	17mmT	Galaxy S PF,MS,ELONG,PATCH,UB,NND,B* IN FOV,PAIRS=IC2601/MAC,R=F	

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IC 2601 Feb 05 2005	UMa 31" 17mmT	Galaxy E PF,MS,OVAL,SMALL FNUC,SOMEWHAT BM,PAIRS=IC2600/MAC,R=F
IC 2943 Apr 04 2005	UMa 31" 17mmT	Galaxy Sa PB,ML,OVAL,LARGE FNUC,PAIR=3759,R=F
IC 334 Jan 30 2003	Cam 12.5" 9mmT6	Galaxy I/P VB,VL,R,SNUC,MOD HISB,FACE ON,F* IN GAL.SMALL * NUC,R=E
IC 342 Jan 30 2003 Jan 30 2003	Cam 12.5" 9mmT6 12.5" 9mmT6	Galaxy SBc (CONT) REGIONS SUSP,R=E PB,EL,R,BNUC,SHISB,FACE ON,SPR STR SUSP,HALO OF ARMS,NUC R & BRT,HINT OF H2
IC 356 Jan 30 2003	Cam 12.5" 9mmT6	Galaxy Sb/P PB,VL,OVAL,FNUC,SMALL NUC,UB HALO,PAIR=PGC14531,R=G
IC 381 Jan 30 2005 Jan 30 2003	Cam 31" 17mmT 12.5" 9mmT6	Galaxy SBbc VB,VL,WELL PLACED IN 17MM,FIRST DSO OF 2005.100'S* SIMILAR MAG.BG GLOW,R=E DIF,MF,PL,OVAL,PATCH,UB,NND,F*IN GAL,R=F
IC 391 Jan 30 2003	Cam 12.5" 9mmT6	Galaxy Sc/P DIF,PF,MS,PATCH,UB,NND,SHISB,R=F
IC 396 Jan 30 2003	Cam 12.5" 9mmT6	Galaxy S? PF,MS,R,FNUC,SMALL NUC,FACE ON,R=F
IC 440 Dec 15 2004	Cam 12.5" 12mmT	Galaxy Sab PF,ML,OVAL,UB,NND,VF* OFF ONE EDGE,R=F
IC 442 Dec 15 2004	Cam 12.5" 12mmT	Galaxy E-S0 PF,MS,R,LARGE FNUC,R=F
IC 445 Jan 30 2005	Cam 31" 17mmT	Galaxy S0 MF,MS,R,VSBRT NUC,SMBM,STELLAR NEC,BM,PAIR=PGC19335,R=F
IC 4470 Jun 01 2003	UMi 12.5" 9mmT6	Galaxy S? VDIF,EF,VS,PATCH,AV HOLDS,PAIR=5712,R=P
IC 449 Jan 30 2005	Cam 31" 17mmT	Galaxy E MF,MS,ELONG,SBNUC,BMBM,R=G
IC 450 Jan 30 2005	Cam 31" 17mmT	Galaxy S0-a MF,PS,R,SMALL BNUC,OTHERS,R=F
IC 451 Jan 30 2005	Cam 31" 17mmT	Galaxy Sb PF,MS,ELONG,SMALL FNUC,OTHERS,R=F
IC 455 Sep 06 2002	Cep 12.5" 9mmT6	Galaxy S0 VDIF,VF,VS,OVAL PATCH,UB,PAIR/2276/2300
IC 458 Feb 01 2005 Jan 30 2005	Lyn 31" 17mmT 31" 17mmT	Galaxy E-S0 PB,MS,R,BNUC,HISB MIDDLE,GMBM,NGC2340 CLUSTER,R=G PB,MS,R,BNUC,GMBM,NGC2340 CLUSTER,R=G

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IC 459 Feb 01 2005	Lyn 31"	17mmT	Galaxy C PF,PS,OVAL,UB,NND,NGC2340 CLUSTER,R=F	
IC 460 Feb 01 2005	Lyn 31"	17mmT	Galaxy S PF,MS,OVAL,SMALL BNUC,NGC2340 CLUSTER,R=F	
IC 461 Feb 01 2005	Lyn 31"	17mmT	Galaxy S PF,MS,ELONG,LARGE FNUC,NGC2340 CLUSTER,R=F	
IC 464 Feb 01 2005	Lyn 31"	17mmT	Galaxy E PB,MS,ELONG,LARGE FNUC,MOD HISB,NGC2340 CLUSTER,R=G	
IC 465 Feb 01 2005	Lyn 31"	17mmT	Galaxy S MB,MS,OVAL,SMALL FNUC,SMBM,STELLAR LIKE NUC,NGC2340 CLUSTER,R=F	NGC 2334
IC 4660 Jun 23 2003	UMi 12.5"	9mmT6	Galaxy S? VDIF,VF,PS,PATCH,NND,AV,R=P	
IC 4669 Jun 25 2003 Jun 25 2003	Dra 12.5" 12.5"	9mmT6 9mmT6	Galaxy SBb DIF,VF,PS,PATCH,UB,NND,R=P DIF,VF,PS,PATCH,NND,AV,R=P	
IC 467 Feb 01 2005	Cam 31"	17mmT	Galaxy SBc VF,VL,OVAL,PATCH,NND,2 F* IN GAL,PATCHY AREAS OR KNOTS DET,R=G	
IC 469 Sep 06 2002	Cep 12.5"	9mmT6	Galaxy SBab DIF,PF,PS,OVAL PATCH,UB,LOC INSIDE OF A BOX OF **S	
IC 4708 Jun 24 2003	Dra 12.5"	9mmT6	Galaxy C VF,VS,R,UB,VERY CLOSE TO A F*,R=P	
IC 4763 Jun 22 2003 Jun 01 2003	Dra 12.5" 12.5"	9mmT6 9mmT6	Galaxy C DIF,MF,PL,ELONG,NND,PAIR=6677/6679,R=F VDIF,VF,VS,ELONG,UB,NND,PAIR/6677/6676,R=P	
IC 4867 May 16 2004 Jun 21 2003	Cyg 31" 12.5"	17mmT 9mmT6	Galaxy SO MF,MS,OVAL,SMALL BNUC,PAIRS=6783/OTHERS,R=G MB,PS,R,BNUC,MOD HISB,LARGE BRT NUC,GBMB,COMP=PGC63211,R=G	
IC 499 Sep 06 2002	Cam 12.5"	9mmT6	Galaxy Sa DIF,MF,PL,ELONG,SBM,OVAL,LARGE NUC AREA	
IC 511 Feb 01 2005	Cam 31"	17mmT	Galaxy S0-a MF,MS,ELONG,SMALL BNUC,MOD HISB,SMALL R NUC,GBM,R=G	
IC 512 Mar 06 2003 Sep 06 2002	Cam 12.5" 12.5"	9mmT6 9mmT6	Galaxy Sc VDIF,VF,PL,OVAL,R,PATCH,UB,PAIR=PGC25240,R=F VDIF,VF,PL,OVAL PATCH,UB,NND	
IC 520 Feb 04 2005	Cam 31"	17mmT	Galaxy SBab PB,ML,R,SMALL BNUC,MOD HISB,PAIR=PGC24978,R=G	

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IC 522 Feb 04 2005	UMa 31" 17mmT	Galaxy S0 MB,PS,R,LARGE BNUC,SHISB,R=G
IC 529 Mar 26 2003	Cam 12.5" 9mmT6	Galaxy Sc DIF,PF,EL,OVAL,PATCH,UB,NND,SHISB,LARGE FACE ON,R=G
IC 644 Feb 05 2005	UMa 31" 17mmT	Non-Existent NGC 3398 MB,ML,EDGE ON,SMALL FNUC,F* ON TIP,SHISB MIDDLE,GBM,PAIR=3398/OTHERS,R=G
IC 691 Apr 03 2005	UMa 31" 17mmT	Galaxy P PF,VS,R,SMALL FNUC,R=F
IC 694 Apr 03 2005 Mar 15 1985	UMa 31" 17mmT 12.5" 16mm	Galaxy E-S0 PB,MS,ELONG,SMALL BNUC,HISB MIDDLE,INTERACTING=3690,PAIRS=PGC/MAC,R=G INTERACTING WITH 3690
IC 705 Apr 03 2005	UMa 31" 17mmT	Galaxy C MF,PS,R,SMALL BNUC,R=F
IC 758 Mar 06 2003	UMa 12.5" 9mmT6	Galaxy SBc EDIF,EF,MS,PATCH,AV ONLY,COMES AND GOES,LOCATION GOOD,R=P
IC 852 Apr 14 2004	UMa 31" 17mmT	Galaxy E-S0 PF,PS,OVAL,LARGE FNUC,R=F
IC 853 Apr 14 2004	UMa 31" 17mmT	Galaxy SBab DIF,MF,PL,PATCH,UB,NND,R=F
IC 875 Apr 14 2004	UMa 31" 17mmT	Galaxy S0 MF,MS,OVAL,SMALL BNUC,SBM,R=F
IC 907 Apr 03 2005	UMa 31" 17mmT	Galaxy SBb PF,MS,EDGE ON,VERY SMALL FNUC,R=F
IC 922 Apr 03 2005	UMa 31" 17mmT	Galaxy E PF,VS,PATCH,UB,NND,PAIRS=MAC'S,ABELL 1783,R=P
IC 942 Apr 03 2005	UMa 31" 17mmT	Galaxy E-S0 PF,MS,LARGE FNUC,R=F
IC 945 Feb 05 2005	UMi 31" 17mmT	Galaxy Sb EF,VS,PATCH,UB,AV,PAIR=PGC48867,R=P
IC 951 Apr 03 2005	UMa 31" 17mmT	Galaxy SBcd PF,ML,OVAL,PATCH,UB,NND,R=F
IC 954 May 16 2004	UMi 31" 17mmT	Galaxy P PF,PS,OVAL.PATCH,VERY FNUC,F* OFF EDGE,R=F
IC 995 Jun 01 2003 Mar 06 2003	UMa 12.5" 9mmT6 12.5" 9mmT6	Galaxy SBd EDIF,EF,ES,AV,SUSP,R=P EDIF,EF,VS,AV AFTER A WHILE,R=P

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IC 996	UMa	Galaxy Sbc	
Jun 01 2003	12.5"	9mmT6	EDIF,EF,ES,PATCH,AV HOLDS,R=P
Mar 06 2003	12.5"	9mmT6	EDIF,EF,VS,AV ONLY,R=P
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
NGC 1343	Cas	H694-3 Galaxy SBb/P	F,VS,IR,GBM,D*V NR
Jan 30 2003	12.5"	9mmT6	MB,PL,R,FNUC,S HISB,F* OFF TO ONE SIDE,FACE ON,R=G
NGC 1469	Cam	Galaxy E-S0	VF,VS,R,B*NR
Jan 30 2003	12.5"	9mmT6	VF,PL,OVAL,BNUC,HISB,GMBM,LARGE BRT NUC,R=E
NGC 1485	Cam	Galaxy Sb	EF,PS,R
Jan 30 2003	12.5"	9mmT6	PF,VL,OVAL,UB,NND,HINT OF * NUC SUSP,R=F
NGC 1530	Cam	Galaxy SBb	PB,L
Jan 30 2003	12.5"	9mmT6	DIF,PF,PL,OVAL,UB,* NUC SUSP,R=F
NGC 1544	Cep	Galaxy S?	VF,VS
Jan 30 2003	12.5"	9mmT6	PF,MS,OVAL,PATCH,FNUC,2F*S BOTH SIDES,F*IN GAL,SMALL NUC,SBM,R=F
NGC 1560	Cam	Galaxy Scd	VF,L,E,*9.3SP
Jan 30 2003	12.5"	9mmT6	MF,PL,OVAL,PATCH,UB,NND,F* IN GAL,R=F
NGC 1569	Cam	H768-2 Galaxy IBm	PB,S,LE,BNM,*9.5N1'
Jan 30 2003	12.5"	9mmT6	VB,PL,OVAL,BNUC,MOD HISB,TAD POLE SHAPE,F*IN EDGE,DUST LANE SUSP,R=G
Oct 03 1981	12.5"	16mm	MF,PS,ELONG,SOUTH OF B*,HISB,NND
Sep 18 1980	12.5"	24mm	
NGC 1573	Cam	Galaxy E	VF,S,*9.5F
Jan 30 2003	12.5"	9mmT6	PB,ML,OVAL,BNUC,SHISB,LARGE NUC REGION,PAIR/PGC15548,R=G
NGC 1961	Cam	H747-3 Galaxy SBbc	CF,PL,IF,MBM,ER,*INV
Jan 30 2003	12.5"	9mmT6	MF,VL,OVAL,PATCH,UB,SHISB,F* IN GAL,CLUSTER 1 OF 8,R=G
Dec 21 1981	12.5"	16mm	DIF,VF,PS,PATCHY,SBM,F* JUST BESIDE NUC,LINE OF 2F*S TO S
Oct 03 1981	12.5"	16mm	MF,PL,F*E SIDE,NNS,PATCHY,SLIGHTLY OVAL,F* S PART OF GAL
Sep 18 1980	12.5"	24mm	
NGC 2128	Cam	Galaxy E-S0	VF,VS,VLE
Dec 15 2004	12.5"	12mmT6	PF,MS,R,LARGE FNUC,SOMEWHAT HISB,R=F
NGC 2146	Cam	Galaxy SBab/	PB,2'L,LE
Nov 24 2003	31"	17mmT6	PB,EL,OVAL,SMALL BNUC,LARGE DIFF ARMS,DUST LANE DET ONE SIDE OF NUC,R=E
Sep 18 1980	12.5"	24mm	
Dec 21 1981	12.5"	24mm	MB,PL,ELONG,HISP,SBM,CENTRAL BULGE DET,CLUSTER OF F*S TO ONE SIDE
Oct 03 1981	12.5"	16mm	DIF,MB,PL,ELONG,3*S SE OF GAL,PATCHY,BRIGHTNESS VARIES,NND,OVAL SHAPE
NGC 2146A	Cam	Galaxy SBc	
Dec 15 2004	12.5"	12mmT6	VDIF,VF,ML,PATCH,NND,R=P

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NGC 2208 Dec 20 2003	Aur 31"	25mm	Galaxy S0 PB,ML,ELONG,LARGE BNUC,HISB MIDDLE,R=G	PF,PS,LE
NGC 2256 Jan 30 2005	Cam 31"	17mmT	Galaxy E/SB0 MB,ML,ELONG,LARGE FNUC,SOFT MIDDLE,;PAIRS=MAC,R=G	F,R,*9.5 3'SF
NGC 2258 Jan 30 2005	Cam 31"	17mmT	Galaxy S0 VB,PL,ELONG,LARGE FNUC,MOD HISB MIDDLE,VF* OR COMP OFF ONE EDGE,OTHERS,R=G	F,2*10,11F
NGC 2268 Sep 06 2002 Oct 03 1981 Sep 18 1980	Cam 12.5" 12.5" 12.5"	9mmT6 16mm 24mm	Galaxy SBbc DIF,MF,PL,IRR IN SHAPE,ONE SIDE THICKER,NND,UB,S HISB,VF* IN EDGE OF GAL EDIF,MF,PL,ELONG,SOMEWHAT BM,OVAL,NNS	PF,PL,LE
NGC 2273 Feb 17 2004	Lyn 31"	17mmT	Galaxy SBa PB,ML,OVAL,SMALL BNUC,HISB MIDDLE,SPR STR SUSP,FACE ON,SUDDENDLY MBM,R=E	F,S,IR,(R)
NGC 2273B Feb 17 2004	Lyn 31"	17mmT	Galaxy SBd DIF,VF,VL,OVAL,PATCH,NND,BRT * ON EDGE,SOMEWHAT HISB THROUGHOUT,R=F	
NGC 2276 Sep 06 2002	Cep 12.5"	9mmT6	Galaxy SBc DIF,PF,VL,OVAL,UB,NND,CLOSE TO B*,PAIR/2300/IC455	F,60",LBM
NGC 2300 Sep 06 2002	Cep 12.5"	9mmT6	Galaxy E-S0 VB,PL,R,MOD HISB,BM,PAIR/2276/IC455	PB,PL,LE,BM
NGC 2314 Feb 01 2005 Jan 30 2005 Sep 18 1980	Cam 31" 31" 12.5"	17mmT 17mmT 24mm	Galaxy E3 PB,PL,ELONG,LARGE BNUC,HISB,R=G PB,ML,R,LARGE BNUC,HISB MIDDLE,PAIR=IC2174,R=G	VF,S,R
NGC 2315 Feb 17 2004	Lyn 31"	17mmT	Galaxy S0-a PB,ML,EDGE ON,LARGE BNUC,HISB MIDDLE,PAIRS=PGC20054/MAC,R=G	EF
NGC 2320 Feb 17 2004	Lyn 31"	17mmT	H861-2 Galaxy E MF,PL,OVAL,LARGE BNUC,HISB MIDDLE,GMBM,PAIR=2322,R=G	PB,S,IR,GBM,*8SP
NGC 2321 Feb 17 2004	Lyn 31"	17mmT	Galaxy SBa MF,PL,ELONG,LARGE FNUC,R=F	VF,12'N OF2320
NGC 2322 Feb 17 2004	Lyn 31"	17mmT	H874-3 Galaxy SBa MB,ML,ELONG,LARGE BNUC,MOD HISB MIDDLE,PAIR=2320,R=F	VF,VS,LE
NGC 2326 Feb 17 2004	Lyn 31"	17mmT	H734-2 Galaxy SBb PF,PL,OVAL,LARGE FNUC,SLIGHTLY BM,PAIR=2326A,R=F	VF,PL,IR,PSMBM,ST P
NGC 2326A Feb 17 2004	Lyn 31"	17mmT	Galaxy Sm PF,MS,PATCH,UB,NND,PAIR=2326,R=P	
NGC 2330 Jan 30 2005	Lyn 31"	17mmT	Galaxy E MF,VS,R,SMALL BNUC,PAIR=2332,R=F	VF,VS,VSTELLAR IC 457

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NGC 2332 Jan 30 2005	Lyn 31" 17mmT	H862-2 Galaxy S0 MF,MS,ELONG,LARGE BNUC,MOD HISB,PAIR=2330,R=G	F,S,R,PSBM
NGC 2336 Dec 21 1981 Sep 18 1980	Cam 12.5" 16mm 12.5" 24mm	Galaxy SBbc EDIF,MF,PL,R,SBM,PATCHY,LOW SURFACE BRT	PB,PL,R,2*11NR
NGC 2340 Feb 01 2005 Jan 30 2005	Lyn 31" 17mmT 31" 17mmT	H736-2 Galaxy E MF,ML,ELONG.LARGE FNUC,MOD HISB MIDDLE,NGC2340 CLUSTER,R=G MB,VL,ELONG,PATCH,UB,NND,NGC2340 CLUSTER,R=G	PF,S,R,GLBM,R
NGC 2347 Feb 01 2005 Sep 18 1980	Cam 31" 17mmT 12.5" 24mm	H746-3 Galaxy Sb PB,VL,OVAL,LARGE FNUC,SOFT GLOW,R=G	VF,S,R,LBM
NGC 2363 Feb 01 2005	Cam 31" 17mmT	Galaxy Irr VF,VS,OVAL,SMALL FNUC,SOMEWHAT BM,COMP=2366,R=P	NEB* OR VFVS,2366SF
NGC 2366 Feb 01 2005 Dec 21 1981 Sep 18 1980	Cam 31" 17mmT 12.5" 24mm 12.5" 24mm	H748-3 Galaxy IBm MF,EL,SMALL BNUC,IRR,FARM'S OFF ONE SIDE,2 NUC DET,SMALL B,SMALL F,COMP=2363,R= EDIF,EF,ML,ELONG,SMALL BNUC	VF,PL,MBM,CVEDTAILS
NGC 2403 Dec 21 1981 Dec 21 1981 Sep 18 1980	Cam 12.5" 16mm 12.5" 24mm 12.5" 24mm	H44-5 Galaxy SBc SPR STR DET,BEAUTIFUL!!! PB,PL,HISB,SMALL BNUC,LARGE OVAL PATCH,SOME STR SUSP,B**S IN GAL 2**S IN GAL PRESENT	CB,EL,VME,VGMBMN
NGC 2426 Feb 01 2005	Lyn 31" 17mmT	H822-2 Galaxy E VB,ML,R,BNUC,HISB,GMB,BRT CORE WELL DEFINED,PAIRS=2429/2429B,R=E	CF,R,VGBM,R,*8P
NGC 2429B Feb 01 2005	Lyn 31" 17mmT	Galaxy E-S0 EF,VS,INTERACTING=2429,PATCH,AV,R=P	
NGC 2431 Feb 01 2005	Lyn 31" 17mmT	H829-3 Galaxy SBa MF,MS,R,SMALL FNUC,GRAD BM,SOMEWHAT HISB MIDDLE,R=F	EF,VS,R,BM NGC 2436
NGC 2441 Feb 01 2005 Sep 18 1980	Cam 31" 17mmT 12.5" 24mm	Galaxy SBb DIF,PF,EL,PATCH,UB,NND,PATCHY,SOME STR SUSP,R=G	VF,PS
NGC 2446 Feb 01 2005	Lyn 31" 17mmT	Galaxy Sb MF,MS,ELONG,SMALL BNUC,MOD HISB,SMBM,2**S BOTH SIDES,KNOTS,PATCHY AREAS,MAC,I	F,AM4*
NGC 2456 Feb 01 2005	Lyn 31" 17mmT	Galaxy E MF,PL,R,LARGE FNUC,LARGE SOFT NUC,R=G	VF,R,VGBM
NGC 2457 Feb 01 2005	Lyn 31" 17mmT	Galaxy Sbc VF,PS,OVAL,PATCH,UB,NND,PAIRS=PGC22161/PGC22172,R=P	F,PL,R,2456SP
NGC 2458 Feb 01 2005	Lyn 31" 17mmT	Galaxy E-S0 MF,PS,OVAL,PATCH,UB,NND,PAIRS=2461/MAC,R=F	VF,*12CLOSE

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NGC 2460	Cam	Galaxy Sab	F,S,R,S*CENTRE
Feb 01 2005	31" 17mmT	VB,VL,R,LARGE BNUC,GMBM,HISB,PAIRS=IC2209/PGC22269,R=E	
Sep 18 1980	12.5" 24mm		
NGC 2461	Lyn	Galaxy E/S0	*13SLIGHTLYNEBULOUS STAR
Feb 01 2005	31" 17mmT	PF,PS,OVAL,PATCH,UB,NND,PAIRS=2458/MAC,R=F	
Feb 17 2004	31" 17mmT	PF,PS,OVAL,SMALL NUC,SLIGHTLY BM,PAIR=2458,R=F	
NGC 2462	Lyn	Galaxy S	VF,VS,VLBM
Feb 17 2004	31" 17mmT	MF,PS,OVAL,LARGE FNUC,SBM,PAIR=2463,R=F	
NGC 2463	Lyn	Galaxy E	EF,R
Feb 17 2004	31" 17mmT	MF,PS,OVAL,LARGE BNUC,SMBM,SOMEWHAT HISB MIDDLE,PAIR=2462,R=F	
NGC 2468	Lyn	Galaxy S0	F,R,BM
Feb 17 2004	31" 17mmT	MF,MS,ELONG,LARGE NUC,INTERACTING=MAC,SHISB MIDDLE,R=F	
NGC 2469	Lyn	H836-3 Galaxy Sb/P	F,VS,R,*9SF
Feb 01 2005	31" 17mmT	MB,PL,OVAL,LARGE FNUC,MOD HISB,PAIR=2473,R=G	
Feb 17 2004	31" 17mmT	MB,MS,OVAL,HISB MIDDLE,LARGE BNUC AREA THAT IS ELONGATED,BAR?,R=G	
NGC 2473	Lyn	Non-Existent	2OF 10NEB IN LINE NGC 2472
Feb 01 2005	31" 17mmT	PF,MS,OVAL,PATCH,UB,NND,PAIR=2469,R=F	
NGC 2474	Lyn	H830-3 Galaxy E	F,PS,(E),(BMVS*)L*NF
Feb 17 2004	31" 17mmT	MB,PS,OVAL,SMALL BNUC,COMP=2474,MOD HISB MIDDLE,R=G	
NGC 2475	Lyn	Galaxy E	DNEB W/2474
Feb 17 2004	31" 17mmT	MB,MS,OVAL,LARGE BNUC,COMP=2474,HISB MIDDLE,R=G	
NGC 2488	Lyn	H837-3 Galaxy E-S0	VF,VS,R,GLBM
Feb 17 2004	31" 17mmT	MB,ML,OVAL,LARGE BNUC,MOD HISB MIDDLE,PAIR=PGC22533,R=G	
NGC 2497	Lyn	H838-3 Galaxy E-S0	EF,VS
Feb 17 2004	31" 17mmT	MB,ML,LARGE BNUC,MOD HISB MIDDLE,4 OTHERS PRESENT,R=G	
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 2505	Lyn	H839-3 Galaxy SBa	EF,VS
Feb 17 2004	31" 17mmT	MF,ML,OVAL,SMALL FNUC,FAINT HALO OF ARMS,R=F	
NGC 2518	Lyn	Galaxy E-S0	2NEB,F,L,R,GBM
Feb 01 2005	31" 17mmT	MF,MS,SMALL BNUC,SOMEWHAT HISB MIDDLE,PAIR=MAC,R=F	
NGC 2521	Lyn	Galaxy E-S0	PF,PL,R,PSBM,*9NP3'
Feb 01 2005	31" 17mmT	MB,MS,OVAL,LARGE BNUC,BMBM,MOD HISB,PAIRS=PGC'S,R=G	
NGC 2523	Cam	Galaxy SBbc	PB,PL,LE,LBM,*NR
Feb 01 2005	31" 17mmT	VF,VL,ELONG,LARGE BNUC,MOD HISB,BRT BAR LIKE NUC,GMBM,HALO AROUND BAR,R=G	
Sep 18 1980	12.5" 24mm		

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NGC 2523A Feb 01 2005	Cam 31" 17mmT	Galaxy SBc PF,ML,OVAL,PATCH,UB,NND,PATCHY AREAS,R=F
NGC 2523B Feb 01 2005	Cam 31" 17mmT	Galaxy Sb MF,PS,EDGE ON,SMALL FNUC,F* IN NUC,CENTRAL BULGE,R=F
NGC 2523C Feb 01 2005	Cam 31" 17mmT	Galaxy E PF,PS,OVAL,SMALL FNUC,R=F
NGC 2534 Feb 01 2005	Lyn 31" 17mmT	H840-3 Galaxy E1/P PF,PL,R,PSBM,*8S MB,MS,LARGE BNUC,SHISB MIDDLE,HALO AROUND NUC,R=G
NGC 2544 Feb 01 2005	Cam 31" 17mmT	Galaxy SBa EEF,PS,R,SEVB*AROUND MB,MS,OVAL,LARGE BNUC,MOD HISB MIDDLE,PAIR=PGC23462,R=F
NGC 2549 Feb 17 2004	Lyn 31" 17mmT	Galaxy S0 PB,S,ME0,PSMBM PB,PL,ELONG,VERY BNUC,MHISB,HISB MIDDLE,LARGE HALO OF ARMS,PAIR=MAC,R=E
NGC 2550 Feb 01 2005	Cam 31" 17mmT	Galaxy Sb/P EEF,PS,CE MB,MS,ELONG,UB,NND,MOD HISB,F* ON TIP,R=G
NGC 2550A Feb 01 2005	Cam 31" 17mmT	Galaxy Sc MB,PL,OVAL,PATCH,UB,NND,MOD HISB,F* ON EDGE,PAIR=PGC23732,R=G
NGC 2551 Sep 18 1980	Cam 12.5" 24mm	Galaxy Sa VF,S,F*IN CENTRE
NGC 2552 Feb 01 2005	Lyn 31" 17mmT	H711-3 Galaxy SBm EF,CL,LE45 DIF,VF,EL,PATCH,UB,BROKEN PATCHES,SEVERAL F*'S IN GAL,R=F
NGC 2591 Feb 01 2005	Cam 31" 17mmT	Galaxy Sc F,S,E,LBM MB,ML,EDGE ON,UB,NND,SHISB,CENTRAL BULGE,F* OFF ONE TIP,R=G
NGC 2600 Feb 01 2005	UMa 31" 17mmT	Galaxy Sb NO DESCRIP PF,PS,EDGE ON,PATCH,UB,NND,R=F
NGC 2602 Feb 01 2005	UMa 31" 17mmT	Galaxy C EF,S,R,*P VF,VS,PATCH,UB,NND,PAIRS=2603/MAC,R=F
NGC 2603 Feb 01 2005	UMa 31" 17mmT	Galaxy S EF,VS, MF,MS,OVAL,PATCH,LARGE FNUC,PAIRS=2602/MAC,R=F
NGC 2614 Feb 01 2005	UMa 31" 17mmT	Galaxy Sc EF,PS,R VDIF,VF,VL,OVAL,PATCH,UB,NND,F* IN EDGE,R=P
NGC 2629 Feb 01 2005	UMa 31" 17mmT	H982-3 Galaxy E-S0 VF,S,STELLAR MB,MS,R,LARGE BNUC,HISB,PAIR=2641,R=G
NGC 2630 Feb 01 2005	UMa 31" 17mmT	Non-Existent 2VF,VS,V NR 2629 PF,MS,ELONG,PATCH,UB,NND,R=F
NGC 2633 Feb 04 2005 Sep 18 1980	Cam 31" 17mmT 12.5" 24mm	Galaxy SBb/P F,S,LE PB,ML,ELONG,LARGE BNUC,SHISB,B* IN NUC,GMBM,NGC2633 GROUP,R=F

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NGC 2634 Feb 04 2005	Cam 31" 17mmT	Galaxy E1 PB,ML,R,LARGE BNUC,GMBM,SHISB,NGC2633 GROUP,R=G	F,S,LE
NGC 2634A Feb 04 2005	Cam 31" 17mmT	Galaxy SBbc MF,ML,EDGE ON,UB,NND,NGC2633 GROUP,R=F	
NGC 2636 Feb 04 2005	Cam 31" 17mmT	Galaxy E MF,MS,R,SMALL BNUC,SOMEWHAT HISB MIDDLE,PAIR=IC2389,R=G	VF,S,2*11,12 F
NGC 2639 Mar 15 1985 Dec 03 1980	UMa 12.5" 16mm 12.5" 24mm	H204-1 Galaxy Sa PF,PS,ELONG,SBM,NO *'S,FORMS TRI WITH 2 OTHER *'S	CB,S,E130,PSMBM
NGC 2641 Feb 01 2005	UMa 31" 17mmT	H983-3 Galaxy S0 MF,MS,R,LARGE FNUC,PAIR=2629,R=F	VF,S,STELLAR
NGC 2646 Feb 04 2005 Sep 18 1980	Cam 31" 17mmT 12.5" 24mm	Galaxy SB0 MF,MS,R,LARGE FNUC,VF* OFF ONE EDGE,BM,MOD HISB MIDDLE,R=G	VF,S,2F*2.5'SF
NGC 2650 Feb 04 2005	UMa 31" 17mmT	H908-2 Galaxy SBb MB,MS,R,LARGE BNUC,LOC IN TRI OF *'S,HISB MIDDLE,BM,R=G	PB,PL,IF,ER
NGC 2654 Mar 15 1985	UMa 12.5" 16mm	Galaxy SBab PF,PS,EDGE ON,BNUC	PF,S,F*IN M,F*NR SP
NGC 2655 Oct 16 1982 Oct 16 1982 Dec 21 1981 Sep 18 1980	Cam 12.5" 12mm 12.5" 16mm 12.5" 16mm 12.5" 24mm	H288-1 Galaxy SB0-a F*E 1 GAL DIA,ARMS MORE PRODOMENANT MB,MS,BNUC,GMBM,OBLONG,DIM HALO PB,ML,R,BM,HISB	VB,CL,LE90,GSVMBM
NGC 2656 Feb 01 2005	UMa 31" 17mmT	Galaxy E-S0 PF,MS,OVAL,PATCH,SMALL FNUC,R=F	EF,PSBM
NGC 2675 Feb 04 2005	UMa 31" 17mmT	Galaxy E MB,MS,R,LARGE BNUC,SHISB MIDDLE,GMBM,R=G	VF,R,*15P 12S
NGC 2681 Mar 15 1985 Oct 16 1982 Dec 03 1980	UMa 12.5" 16mm 12.5" 16mm 12.5" 24mm	H242-1 Galaxy SB0-a SAME MB,MS,R,GMBM,BNUC,2F*'S W,1F* E	VB,VL,VG,VSMBM*10
NGC 2685 Mar 15 1985	UMa 12.5" 12mm	Galaxy SB0-a DIF,VF,VS,EDGE ON,BNUC,LARGE CENTRAL REGION,TAPPERED ENDS,FAINT GLOW AROUND	PF,R,F*INCENTRE Helix Galaxy
NGC 2692 Feb 04 2005	UMa 31" 17mmT	H831-3 Galaxy SBab MB,PS,OVAL,R,LARGE BNUC,SHISB,*'S OFF TO SIDE,PAIR=PGC25130,R=G	VF,S,R,PSBM
NGC 2693 Feb 04 2005 Mar 15 1985 Dec 03 1980	UMa 31" 17mmT 12.5" 12mm 12.5" 24mm	H823-2 Galaxy E1 VB,PL,LARGE BNUC,MOD HISB,PAIR=2694,R=G DIF,VF,VS,SMALL OVAL PATCH,NO *'S	PB,LE,PSMBM

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NGC 2694 Feb 04 2005	UMa 31" 17mmT	Galaxy E1 MB,MS,R,PATCH,UB,NND,SHISB,PAIR=2693,R=F	VF,VS,1'S OF2693	
NGC 2701 Mar 15 1985	UMa 12.5" 12mm	H66-4 Galaxy SBc EDIF,VF,MS,OVAL PATCH,UB,B* IN S PART,NND,SN?	PB,FANSHAPED,*11ATT	
NGC 2710 Feb 04 2005	UMa 31" 17mmT	H841-3 Galaxy SBb PB,PL,ELONG,PATCH,UB,NND,R=G	VF,S	
NGC 2715 Mar 06 2003 Sep 18 1980	Cam 12.5" 9mmT6 12.5" 24mm	Galaxy SBc PB,VL,OVAL,PATCH,NND,SOMEWHAT HISB,PATCHES & AREAS OF VAR BRT,R=G	PB,L,E	
NGC 2726 Mar 06 2003	UMa 12.5" 9mmT6	H834-2 Galaxy Sa MF,ML,EL,UB,NND,MOD HISB,VF* IN GAL,SOMEWHAT BROKEN,R=G	CF,PS,IR,ER	
NGC 2732 Mar 26 2003 Sep 18 1980	Cam 12.5" 9mmT6 12.5" 24mm	Galaxy S0 MB,PL,ELONG,BNUC,F* ON TIP,R=F	PB,S,E45,*13NF	
NGC 2739 Mar 06 2003	UMa 12.5" 9mmT6	Galaxy Sab VDIF,EF,VS,PATCH,AV,PAIR=2740,R=P	VF,S,R,NP 2740	
NGC 2740 Mar 06 2003	UMa 12.5" 9mmT6	Galaxy Sab VDIF,EF,PS,PATCH,VF* CLOSE TO GAL,PAIR=2739,R=P	VF,PS,R	
NGC 2742 Mar 06 2003 Mar 15 1985 Oct 16 1982 Oct 16 1982	UMa 12.5" 9mmT6 12.5" 16mm 12.5" 16mm 12.5" 24mm	H249-1 Galaxy Sc VB,VL,OVAL,NND,MOD HISB,PATCHY,SPR STR SUSP,R=E DIF,PF,PS,PATCHY-OVAL,NND,UB,3F*S TO S 1 GAL DIA TRI OF 3F*S OFF TO E DIF,MF,ML,UB,OVAL,SAME 24MM FIELD W/2768	CB,CL,E90,ER	NGC 2816
NGC 2742A Mar 06 2003	UMa 12.5" 9mmT6	Galaxy SBb/P MF,ML,OVAL,PATCH,NND,SLIGHTLY HISB,R=F		
NGC 2748 Mar 26 2003 Sep 18 1980	Cam 12.5" 9mmT6 12.5" 24mm	Galaxy Sbc MB,VL,PATCH,UB,NND,SHISB,R=G	PB,PL,E,VGLBM	
NGC 2756 Mar 06 2003 Jan 08 2003	UMa 12.5" 9mmT6 12.5" 9mmT6	H828-2 Galaxy Sb MB,ML,R,BNUC,LARGE NUC AREA,MOD HISB MIDDLE,PAIR=PGC25755,R=G MB,ML,SMOD HISB,PATCH,OVAL,UB,COMP SUSP	PB,PS,E,VGBM	
NGC 2767 Mar 06 2003	UMa 12.5" 9mmT6	Galaxy S MB,PS,R,BNUC,PAIR/2771/2769,R=F	VF,SBM*15,2ND OF 4	
NGC 2768 Mar 06 2003 Mar 15 1985 Oct 16 1982 Dec 03 1980	UMa 12.5" 9mmT6 12.5" 16mm 12.5" 12mm 12.5" 24mm	H250-1 Galaxy E6 VB,VL,OVAL,BNUC,HISB,DUST EXPECTED,GMBM,STELL NUC,HISB MIDDLE,MOD HISB ARMS,R MB,PL,OVAL,PATCHY,MOD HISB TOWARDS MIDDLE,NO *S MB,ML,2F*S OFF TO S,2B*S ON BOTH SIDES,ELONG,MBM,TAPPERED,BNUC	CB,CL,LE,PSBMLBN	

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NGC 2769	UMa	Galaxy Sa	PF,S,E,PSLBM,3RD OF4	
Mar 06 2003	12.5"	9mmT6	B,ML,ELONG,EDGE ON,FNUC,PAIR/2771/2767,R=F	
NGC 2771	UMa	Galaxy SBab	VF,S,LE,4TH OF 4	
Mar 06 2003	12.5"	9mmT6	MB,PL,OVAL,PATCH,FNUC,MOD HISB,PAIR/2769/2767,R=F	
NGC 2787	UMa	H216-1 Galaxy SB0-a	B,PL,LE90,MBM,R,*INV	
Mar 26 2003	12.5"	9mmT6	PB,ML,R,MHISB,FACE ON,F* IN GAL ARMS,GBM,SPR STR SUSP,R=E	
Mar 15 1985	12.5"	12mm	SAME,F* IN E SIDE NOT DET	
Oct 16 1982	12.5"	12mm	R,GMBM,ANOTHER F* IN EASTERN PART	
Oct 16 1982	12.5"	16mm	MB,MS,BNUC,OVAL,F* IN S PART,HISB MIDDLE	
NGC 2800	UMa	H832-3 Galaxy E	VF,S,LE,*ATT,*INV	
Mar 26 2003	12.5"	9mmT6	PB,MS,OVAL,NND,BRT * IN GAL,R=G	
NGC 2805	UMa	H878-3 Galaxy SBd	VF,L,R,MBM	
Apr 14 2004	31"	17mmT	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 2810	UMa	H749-3 Galaxy E	F,CS,BM	NGC 2810A
Apr 14 2004	31"	17mmT	MB,ML,R,LARG BNUC,HISB MIDDLE,R=G	
NGC 2814	UMa	H868-2 Galaxy Sb	F,S,IF,1ST OF 2	
Apr 14 2004	31"	17mmT	MB,ML,ELONG,LARGE FNUC,SHISB,PAIRS/IC2458/2820,R=G	
Jan 08 2003	12.5"	9mmT6	MF,PL,ELONG,OVAL,NND,SLIGHTLY HISB,PAIR/2820/IC2458	
NGC 2820	UMa	H869-2 Galaxy SBc/P	F,S,E,2ND OF 2	
Apr 14 2004	31"	17mmT	MB,VL,EDGE ON,UB,NND,SHISB,PAIRS/IC2458/2814,R=E	
Jan 08 2003	12.5"	9mmT6	MB,ML,NICE EDGE ON,DUST SUSP,AREAS BROKEN,NND,SOMEWHAT HISB,PAIR/IC2458/2814	
NGC 2841	UMa	H205-1 Galaxy Sb	VB,L,VME151,VSMBM*10	
Apr 14 2004	31"	17mmT	VB,EL,ELONG,LARGE BNUC,HISB,LARGE AREA OF ARMS,DUST SUSP,* IN TIP,R=E	
Mar 15 1985	12.5"	12mm	SAME,ALL *S PRESENT	
Oct 16 1982	12.5"	12mm	FAINTER * OFF NE,SAME	
Oct 16 1982	12.5"	16mm	VB,ML,ELONG,BNUC,F* IN N TIP,F*NW,GMBM,DIF HALO,VF*N	
Dec 03 1980	12.5"	24mm		
NGC 2870	UMa	H846-3 Galaxy SBbc	CF,S,E,VGLBM	
Apr 14 2004	31"	17mmT	MF,ML,ELONG,UB,F* IN TIP,SLIGHTLY BM,R=G	
NGC 2880	UMa	H260-1 Galaxy E/SB0	B,CS,R,MBM,AM ST	
Apr 14 2004	31"	17mmT	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 2892	UMa	Galaxy E	PF,PS,R,LBM	
Apr 14 2004	31"	17mmT	MB,ML,R,LARGE BNUC,HISB MIDDLE,R=G	
NGC 2895	UMa	Galaxy SBc	VF,VS,R,VGBM,D*7'S	
Apr 14 2004	31"	17mmT	MF,MS,OVAL,PATCH.UB,NND,PAIRS/MAC/PGC27076,STELLAR NUC,R=F	
NGC 2908	Dra	H977-3 Galaxy S?	EF,VS	
Apr 14 2004	31"	17mmT	DIF,MF,MS,R,UB,NND,F* IN GAL,R=F	

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NGC 2938	Dra	H963-3 Galaxy SBc	EF,S,IF,D*F3'
Apr 14 2004	31" 17mmT	DIF,PF,ML,OVAL,PATCH,UB,NND,R=F	
NGC 2950	UMa	H68-4 Galaxy SB0	B,PS,R,VGVMBMN
Apr 14 2004	31" 17mmT	MF,PS,R,LARGE BNUC,SEVERAL F**S ON EDGE OF HALO,HISB MIDDLE,GMBM,R=G	
Mar 15 1985	12.5" 12mm	SAME,PF,VS,BNUC,R,BM,NO **S CLOSE IN	
Oct 16 1982	12.5" 12mm	MF,PS,BNUC,* OFF NW SEVERAL GAL DIA,GMBM,OVAL	
Dec 03 1980	12.5" 24mm		
Aug 22 1980	12.5" 24mm		
NGC 2957A	Dra	Galaxy E1	EF,*13NR
Apr 14 2004	31" 17mmT	MF,PS,PATCH,UB,NND,INTERACTING,CAN JUST BARELY SPLIT THE TWO,R=F	
NGC 2957B	Dra	Galaxy E	
Apr 14 2004	31" 17mmT	MF,PS,PATCH,SMALL FNUC,INTERACTING,CAN JUST BARELY SPLIT THE TWO,R=F	
NGC 2959	UMa	Galaxy SBb/P	F,PL,R,VGLBM,ST N
Apr 14 2004	31" 17mmT	MF,ML,LARGE BNUC,PAIR=2961,R=G	
NGC 2961	UMa	Galaxy Sb	CF,S,LE,NF2959
Apr 14 2004	31" 17mmT	PF,ML,ELONG,PATCH,UB,NND,PAIR=2959,R=F	
NGC 2963	Dra	H315-3 Galaxy SBab	VF,VS,R,BM
Apr 14 2004	31" 17mmT	PAIRS/2957A/2957B/PGC28177	
NGC 2976	UMa	H285-1 Galaxy Sc/P	B,VL,ME152,ST INV
Apr 14 2004	31" 17mmT	MB,VL,PATCH,UB,MOD HISB,VERY UNIQUE IN APPEARANCE,3**S AROUND EDGE,RECT,R=E	
Mar 15 1985	12.5" 16mm	IRR,DIF,PF,VL,ELONG,PATCH,F* S EDGE BY NUC,UB	
Mar 27 1981	12.5" 24mm		
Dec 03 1980	12.5" 24mm	F* IN OUTER ARM REGION	
Aug 22 1980	12.5" 24mm		
NGC 2977	Dra	H282-1 Galaxy Sb	CB,PL,IF,
Apr 14 2004	31" 17mmT	MF,ML,OVAL,PATCH,LARGE FNUC REGION,SHISB MIDDLE,R=G	
NGC 2985	UMa	H78-1 Galaxy Sb	VB,CL,R,PSMBM,*INV F
Apr 14 2004	31" 17mmT	VB,PL,R,LARGE BNUC,MOD HISB,HISB MIDDLE,R=E	
Mar 15 1985	12.5" 12mm	PB,MS,BNUC,F*E SIDE,R,VMBM	
Dec 03 1980	12.5" 24mm	F* IN ARM REGION	
Aug 22 1980	12.5" 24mm		
NGC 3027	UMa	H23-5 Galaxy SBcd	VF,VL,LE,R
Apr 14 2004	31" 17mmT	DIF,MF,VL,ELONG,PATCH,NND,BAR IN GAL SUSP,CENTRAL AREA,R=F	

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NGC 3031	UMa	M81	Galaxy Sb	EB,EL,E156,GSVMBMBN Bode's Nebula
Feb 04 2005	31"	17mmT	EB,EL,ELONG,LARGE BNUC,HISB,TIGHT CORE,ARMS,R=E	
Apr 14 2004	31"	17mmT	EF,EL,LARGE BNUC,HISB,M81,R=E	
Mar 19 2004	12.5"	12mmT	MESSIER MARATHON 2004	
Mar 15 1985	12.5"	16mm	VB,VL,ELONG,BNUC,LARGE SOFT NUC,VMBM,1F*S TIP,FAINT HALO TO TAPPED ENDS	
Mar 02 1984	10"	20mm	SAME	
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Dec 03 1980	12.5"	24mm		
Oct 31 1980	12.5"	24mm		
Oct 29 1980	8"	24mm		
Sep 18 1980	12.5"	24mm		
Sep 10 1980	12.5"	24mm		
Sep 09 1980	12.5"	24mm		
Aug 22 1980	12.5"	24mm		
NGC 3034	UMa	M82	H79-4 Galaxy Sd	VB,VL,VME(RAY) M 82
Feb 04 2005	31"	17mmT	EB,EL,EDGE ON,HISB,EDGE TO EDGE IN FOV,PATCHY,DUST,NUC BROKEN,BEST TO DATE,R=	
Apr 14 2004	31"	17mmT	EF,EL,HISB,BEST EVER TODATE,NUC AREA PATCHY,DARK AREAS,BROKEN PARTS,R=E	
Mar 19 2004	12.5"	12mmT	MESSIER MARATHON 2004	
Mar 15 1985	12.5"	12mm	SAME,IRR	
Mar 02 1984	10"	20mm	VB,VL,EDGE ON,HISB,B* OFF ONE TIP,DARK PATCHES	
Oct 22 1982	12.5"	12mm	VB,VL,EDGE ON,VERY HISB,2 DUST LANES DET,BRT REGIONS DET,TAPPED,KNTY	
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Dec 03 1980	12.5"	24mm		
Oct 31 1980	12.5"	24mm		
Oct 29 1980	8"	24mm		
Sep 18 1980	12.5"	24mm		
Sep 10 1980	12.5"	24mm		
Sep 09 1980	12.5"	24mm		
Aug 22 1980	12.5"	24mm		
NGC 3043	UMa		H835-2 Galaxy Sb	CF,PS,LE,VGBM,*10N7'
Apr 14 2004	31"	17mmT	MB,ML,OVAL,PATCH,UB,MHISB,R=G	
Mar 15 1985	12.5"	16mm	NO FIND,CIRCLES HOT	
NGC 3057	Dra		H978-3 Galaxy SBdm	EF,PL,VLBM,2S* S
Mar 06 2003	12.5"	9mmT6	EDIF,EF,ES,PATCH,AV,R=P	
NGC 3061	Dra		H903-2 Galaxy SBc	VF,PL,RESOLVABLE
Apr 14 2004	31"	17mmT	DIF,MF,VL,OVAL,PATCH,UB,NND,R=F	
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	
NGC 3066	UMa		H334-2 Galaxy SBb/P	VF,VS,VGLBM
Mar 06 2003	12.5"	9mmT6	MF,ML,PATCH,UB,NND,PAIR=3065,R=G	
Mar 15 1985	12.5"	12mm	EDIF,VF,MS,PATCHY,UB,NND,SLIGHTLY BIGGER THAN 3065,PAIR/3065	
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	

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NGC 3077	UMa	H286-1 Galaxy Sd	CB,CL,MBM,R WITH RAY	
Mar 06 2003	12.5" 9mmT6	EB,EL,OVAL,BNUC,HISB,LARGE NUC AREA,MUCH HISB MIDDLE,R=E		
Mar 15 1985	12.5" 16mm	SAME		
Oct 22 1982	12.5" 12mm	SAME		
Oct 22 1982	12.5" 16mm	MB,ML,BNUC,R-OVAL,HISB,GMBM,LARGE NUC AREA,		
Mar 27 1981	12.5" 24mm			
Dec 03 1980	12.5" 24mm			
Aug 22 1980	12.5" 24mm			
NGC 3079	UMa	H47-5 Galaxy SBc	VB,L,ME135	
Mar 06 2003	12.5" 9mmT6	VB,EL,EDGE ON,MOD HISB,CENTRAL BULGE,SBM,DUST LANE SUSP,PAIR=3073,R=E		
Jan 08 2003	12.5" 9mmT6	VB,BL,EDGE ON,DUST DET,SLIGHTLY BULGE IN MIDDLE,F* IN TIP,MOD HISB,PAIR/3073		
Mar 15 1985	12.5" 12mm	PB,PL,F* IN N TIP,SAME *S PRESENT,S PART THICKER THAN N		
Oct 22 1982	12.5" 16mm	MF,ML,EDGE ON,F*N TIP,F*E SIDE,UB,TAPPERED,NND		
Dec 03 1980	12.5" 24mm	LOOKS LIKE MINATURE M82		
NGC 3102	UMa	H916-3 Galaxy E-S0	VF,VS,R,BM,*11 SP	
Mar 06 2003	12.5" 9mmT6	DIF,PF,PS,PATCH,*NUC,STELL NUC OR F* DETECTED,R=F		
NGC 3144	Dra	H964-3 Galaxy SBa/P	VF,S,R,*13ATT F	NGC 3174
Mar 06 2003	12.5" 9mmT6	DIF,VF,MS,PATCH,NND,F* OFF TO EDGE,R=P		
NGC 3147	Dra	H79-1 Galaxy Sbc	VB,L,R,VGVSVMBM	
Apr 23 2003	12.5" 9mmT6	VB,VL,OVAL,BNUC,MHISB,ARMS SUSP,BRT AREAS IN HALO,GMBM,R=E		
Oct 22 1982	12.5" 16mm	MB,ML,BNUC,INSIDE 4*S,R,SMBM,SMALL BRT NUC		
NGC 3155	Dra	H965-3 Galaxy S?	VF,S,R	NGC 3194
Mar 06 2003	12.5" 9mmT6	DIF,PF,MS,OVAL,PATCH,AV,JUMPS OUT WITH AV THEN HOLDS,R=P		
NGC 3164	UMa	Galaxy S?	EF,S,R,VGLBM	
Mar 06 2003	12.5" 9mmT6	EDIF,EF,ES,PATCH,AV,SUSP,R=P		
NGC 3168	UMa	Galaxy E	F,PSBM,STELLAR,*7,8N	
Apr 23 2003	12.5" 9mmT6	VF,VS,PATCH,NND,PAIR=PGC30027,R=P		
NGC 3172	UMi	Galaxy S?	VF,R,GBM,*11S2'	Polarissima Borealis
Sep 06 2002	12.5" 9mmT6	DIF,VF,PS,OVAL PATCH,NGC CLOSEST TO POLARIS,F* 1 GAL DIA AWAY		
NGC 3182	UMa	H265-1 Galaxy Sa	CB,CL,IR,VGBM	
Apr 23 2003	12.5" 9mmT6	MB,PL,OVAL,BNUC,SHISB,LARGE BRT NUC AREA,R=G		
NGC 3183	Dra	H283-1 Galaxy SBbc	F,PL,E,LBM	NGC 3218
Mar 06 2003	12.5" 9mmT6	MB,VL,ELONG,PATCH,NND,SOMEWHAT HISB,MANY F*S IN GAL,R=E		
NGC 3188	UMa	H910-3 Galaxy SBab	VF,PL,R	
Apr 23 2003	12.5" 9mmT6	DIF,VF,VS,FNUC,SLIGHT ELONG DET,HINT OF COMPANION,R=P		
Apr 23 2003	12.5" 9mmT6	VDIF,EF,ES,PATCH,AV,R=P		
NGC 3197	Dra	H966-3 Galaxy Sbc	VF,VS	
Mar 06 2003	12.5" 9mmT6	VDIF,VF,PS,PATCH,NND,R=P		

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NGC 3206	UMa	H266-1 Galaxy SBc	PB,CL,E,VGLBM
Apr 23 2003	12.5" 9mmT6	DIF,VF,FL,OVAL,R,PATHC,UB,NND,R=G	
Mar 15 1985	12.5" 16mm	NO FIND,CIRCLES HOT	
NGC 3212	Dra	H980-3 Galaxy SBb	VF,S,2ND OF 3
Feb 04 2005	31" 17mmT.	PF,PS,OVAL,PATCH,UB,NND,VF* OFF ONE EDGE,PAIR=3125/MAC,R=F	
NGC 3214	UMa	Galaxy S0-a	CB,VS,R,SBM,5'P3220
Apr 23 2003	12.5" 9mmT6	VF,PS,OVAL,PATCH,FNUC,R=F	
NGC 3215	Dra	H981-3 Galaxy Sbc	VF,S,3RD OF 3
Feb 04 2005	31" 17mmT.	PF,MS,OVAL,PATCH,UB,SOMEWHAT BM,F* ON EDGE,PAIR=3212/MAC,R=F	
NGC 3220	UMa	H911-3 Galaxy Sb	PF,CL,E92,*9F9.5' IC 604
Apr 23 2003	12.5" 9mmT6	DIF,VF,ML,EDGE ON,VFNUC,AV,BLINKING GAL,*NUC,COMES AND GOES,R=F	
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 3236	UMa	Galaxy E?	EF,VS,PSBM,2*11,12 F
Feb 04 2005	31" 17mmT.	PF,PS,R,SMALL FNUC,R=F	
NGC 3238	UMa	H883-2 Galaxy S0	F,S,R,PSLBM
Feb 04 2005	31" 17mmT.	PF,MS,OVAL,SMALL BNUC,SHISB,BAR SUSP,PAIR=PGC30649,R=G	
NGC 3252	Dra	H316-3 Galaxy SBd	EF,PS,ME,R
Feb 04 2005	31" 17mmT.	MF,PL,EDGE ON,PATCH,UB,NND,R=G	
NGC 3259	UMa	H870-2 Galaxy SBbc	F,S,R,GBM
Feb 04 2005	31" 17mmT.	MB,ML,LARGE FNUC,SHISB,SOFT NUC,R=G	
Mar 15 1985	12.5" 16mm	EDIF,VF,VS,PATCHY,UB,NND,NO *S	
NGC 3264	UMa	Galaxy SBm	EF,BET 2S*
Feb 04 2005	31" 17mmT.	MF,PL,OVAL,PATCH,UB,*S OPPOSITE ENDS,R=F	
NGC 3266	UMa	H871-2 Galaxy SB0	CF,VS,R,PSMBM*
Feb 04 2005	31" 17mmT.	PB,MS,OVAL,LARGE BNUC,MOD HISB MIDDLE,R=G	
NGC 3286	UMa	H917-3 Non-Existent	VF,PS,R,PSLBM NGC 3284
Feb 04 2005	31" 17mmT.	MF,MS,SMALL BNUC,GMBM,SOMEWHAT HISB MIDDLE,PAIR=3288,R=G	
NGC 3288	UMa	H918-3 Galaxy SBbc	EF,CS,R,VGLBM
Feb 04 2005	31" 17mmT.	MF,MS,OVAL,PATCH,UB,NND,PAIR=3286,R=F	
NGC 3298	UMa	H767-3 Galaxy E-S0	VF,PS,IE
Feb 05 2005	31" 17mmT.	MB,MS,OVAL,LARGE BNUC,SLIGHTLY HISB MIDDLE,R=G	
NGC 3310	UMa	H60-4 Galaxy SBbc/	CB,PL,R,VG,VSMBMN
Mar 15 1985	12.5" 12mm	SAME	
Oct 22 1982	12.5" 12mm	SAME	
Oct 22 1982	12.5" 16mm	MB,MS,HISB,R,SBM,FORMS TRI WITH 2F*S,B* IN FIELD	
Dec 03 1980	12.5" 24mm		

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NGC 3329 Feb 05 2005	Dra 31" 17mmT	H284-1 Galaxy Sb PB,ML,OVAL,LARGE BNUC,HISB MIDDLE,R=G	PB,S,LE,PSMBM	NGC 3397
NGC 3343 Feb 05 2005	Dra 31" 17mmT	H317-3 Galaxy E MF,MS,OVAL,SMALL BNUC,GMBM,R=G	PF,S,R,GBM	
NGC 3348 Mar 15 1985	UMa 12.5" 12mm	H80-1 Galaxy E PB,MS,BNUC,DOUBLE NUC,F* NEXT TO STELL NUC,R,BM	B,S,ILE,PSBM,*11F21S	
NGC 3353 Mar 15 1985	UMa 12.5" 12mm	H842-3 Galaxy Sb MF,PS,BNUC,R,GBM,F* CLOSE BY,LOC IN BARREN * FIELD	F,CS,R,PGBM,*S90"	
NGC 3359 Mar 15 1985 Mar 15 1985	UMa 12.5" 16mm 12.5" 24mm	H52-5 Galaxy SBc OVAL,PATCH,UB,STELL NUC DET DIF,MF,PL,LARGE DISFUSE PATCH IN BARREN AREA	PB,L,E0,GLBM	
NGC 3364 Feb 05 2005	UMa 31" 17mmT	H318-3 Galaxy SBbc PF,VL,OVAL,UB,NND,SHISB,PAIRS=PGC32218/MAC'S,R=G	VF,L,R,VGBM,R,D*SF	
NGC 3392 Feb 05 2005	UMa 31" 17mmT	H881-3 Galaxy E PB,MS,R,SMALL BNUC,MOD HISB MIDDLE,PAIR=3394,R=G	VF,S,PSBM,ST NR	
NGC 3394 Feb 05 2005	UMa 31" 17mmT	H872-2 Galaxy Sc MB,VL,OVAL,UB,NND,SHISB,PAIR=3392,R=G	CF,S,LE,VGBM	
NGC 3398 Feb 05 2005	UMa 31" 17mmT	H792-3 Galaxy Sa MF,MS,OVAL,LARGE FNUC,PAIRS=IC644/OTHERS,R=F	VF,S,E,ER	IC 644
NGC 3406 Feb 05 2005	UMa 31" 17mmT	Galaxy E-S0 MF,MS,LARGE BNUC,SHISB,2 HALVES,2 NUC,GBM,IRR,PAIRS=3410/MAC'S,R=G	PB,R,PGBM	
NGC 3407 Feb 05 2005	UMa 31" 17mmT	H919-3 Galaxy E-S0 MF,PS,ELONG,LARGE FNUC,BM,SOMEWHAT HISB MIDDLE,R=F	VF,VS,R,VS*NR	
NGC 3408 Feb 05 2005	UMa 31" 17mmT	H913-3 Galaxy Sc PF,ML,OVAL,R,SHISB,LARGE PATCHY NUC,SLIGHTLY BM,R=G	VF,CS,R,2PB*S	
NGC 3410 Feb 05 2005	UMa 31" 17mmT	Galaxy S VF,MS,OVAL,UB,NND,PAIRS=3406/MAC'S,R=F	F,PS,DIF,2'SF3406	
NGC 3435 Feb 05 2005	UMa 31" 17mmT	H887-2 Galaxy Sb MF,MS,PATCH,SMALL FNUC,R=F	CF,PS,LE,VGBM	
NGC 3440 Feb 05 2005	UMa 31" 17mmT	H914-3 Galaxy SBb MF,MS,ELONG,LARGE FNUC,R=F	VF,S,LE	
NGC 3445 Feb 05 2005 Mar 15 1985	UMa 31" 17mmT 12.5" 16mm	H267-1 Galaxy SBm PB,ML,OVAL,PATCH,UB,NND,MOD HISB,PAIR=PGC32784,R=G DIF,PF,MS,BNUC,MOD HISB,OVAL-R,F* CLOSE BY,UB,3458 IN SAME FOV	CB,PL,IR,VGLBM,*NF2'	
NGC 3448 Mar 15 1985	UMa 12.5" 16mm	H233-1 Galaxy S0-a DIF,VF,MS,EDGE ON,UB,SLIGHTLY ELONG,NND,BETWEEN A TRI OF VERY F*S	B,PL,ME67,GBM	

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NGC 3458 Mar 15 1985	UMa 12.5" 16mm	H268-1 Galaxy SB0 MF,PS,BNUC,R,BM,STELL NUC,3445 IN SAME FOV	VB,VS,R,STELLAR
NGC 3465 Feb 05 2005	Dra 31" 17mmT	H967-3 Galaxy Sab PF,MS,OVAL,FNUC,F* OFF EDGE,R=F	EF,PL,R,VGLBM,**NF
NGC 3470 Feb 05 2005	UMa 31" 17mmT	H888-2 Galaxy Sab MF,MS,OVAL,LARGE FNUC,PAIR=PGC33043,R=F	VF,S,R,VGBM
NGC 3471 Feb 04 2005	UMa 31" 17mmT	H972-3 Galaxy Sa MB,PL,ELONG,LARGE FNUC,MOD HISB MIDDLE,PAIR=PGC33071,R=G	VF,S,R,BM
NGC 3488 Apr 03 2005	UMa 31" 17mmT	H269-1 Galaxy SBc PB,ML,OVAL,LARGE FNUC SUSP,SOMEWHAT BM,R=G	EF OR CB,VLE,PS,*13S
NGC 3499 Apr 03 2005	UMa 31" 17mmT	H793-3 Galaxy S0-a MB,PS,R,SMALL BNUC,MOD HISB MIDDLE,R=G	VF,VS,STELLAR
NGC 3516 Mar 15 1985	UMa 12.5" 12mm	H336-2 Galaxy SB0 PF,PS,R,BM,F* CLOSE BY SEVERAL GAL DIA	PB,VS,IR,PSMBM*
NGC 3517 Apr 03 2005	UMa 31" 17mmT	H884-2 Galaxy Sb MF,PS,R,SMALL BNUC,COMP=PGC33526,R=F	EF,S,R,VGBM
NGC 3523 Apr 03 2005	Dra 31" 17mmT	H904-2 Galaxy Sbc PF,MS,OVAL,PATCH,UB,NND,PAIR=PGC33277,R=F	F,PL,LBM,
NGC 3530 Apr 03 2005	UMa 31" 17mmT	H915-3 Galaxy S MF,PS,ELONG,EDGE ON,SMALL BNUC,SUDDENDLY MBM,PAIR=MAC,R=F	VF,S,R,PGBM
NGC 3543 Apr 03 2005	UMa 31" 17mmT	H920-3 Galaxy Sc PF,PS,EDGE ON,UB,NND,CENTRAL BULGE,R=F	EF,VS,E0,R
NGC 3549 Mar 15 1985	UMa 12.5" 16mm	H220-1 Galaxy Sc DIF,MF,PL,ELONG,PATCH,UB,NND	CB,CL,CE160
NGC 3556 Mar 19 2004 Dec 26 2003 Mar 15 1985 Mar 02 1984 Oct 22 1982 Mar 27 1981 Oct 31 1980 Sep 18 1980 Sep 10 1980 May 07 1980 Apr 16 1980	UMa M108 12.5" 12mmT 31" 17mmT 12.5" 12mm 10" 20mm 12.5" 16mm 12.5" 24mm 12.5" 24mm 12.5" 24mm 12.5" 24mm 5" 9mm 6" 24mm	H46-5 Galaxy SBc MESSIER MARATHON 2004 VB,EL,EDGE ON,NND,MOD HISB,3*S IN GAL,H2 REGIONS DET,DUST DET,PATCHY ARMS DET, MB,PL,VERY EDGE ON,F*N EDGE,B*CENTER,MOD HISB,KNTY STR SUSP,EXCELLENT!!! SAME DIF,MB,VL,F*N EDGE,EDGE ON,UB,LARGE,NND MESSIER MARATHON 1981 IN SAME FOV WITH M97	CB,VL,VME79,PBM,R M 108
NGC 3562 Apr 03 2005	Dra 31" 17mmT	H337-2 Galaxy E MB,PL,OVAL,LARGE BNUC,MUCH BM,MOD HISB MIDDLE,PAIRS=PGC'S/MAC,R=F	PF,PS,LE,GBM,*70"NP

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NGC 3589 Apr 03 2005	UMa 31" 17mmT	H921-3 Galaxy SBcd PF,VL,ELONG,EDGE ON,UB,NND,LARGE EDGE ON PATCH BESIDE TRI OF B*S,R=G	VF,L,E,VGBM,INTRILST
NGC 3594 Apr 03 2005	UMa 31" 17mmT	H770-3 Galaxy SB0 PF,ML,OVAL,LARGE FNUC,SOMEWHAT BM,PAIR=PGC34356,R=G	VF,VS,STELLAR
NGC 3610 Mar 15 1985 Oct 22 1982	UMa 12.5" 12mm 12.5" 16mm	H270-1 Galaxy E5 PB,MS,BNUC,R,BM,SLIGHT TAPPERING DET PB,MS,BNUC,R,GMBM	VB,PS,LE90,VSVMBMSN
NGC 3613 Mar 15 1985 Oct 22 1982	UMa 12.5" 12mm 12.5" 16mm	H271-1 Galaxy E6 PB,PS,BNUC,OVAL,SMBM,PAIR/3619 MB,PS,BNUC,R,SMALL BNUC,GBM,PAIR/3619	VB,CL,ME305,SMBMN
NGC 3619 Mar 15 1985 Oct 22 1982	UMa 12.5" 12mm 12.5" 16mm	H244-1 Galaxy S0-a PF,MS,PATCHY,SMALL NUC,FAINTER THAN 3613,PAIR/3613 R,DIF,MF,PS,FUZZY,SBM	CB,CL,R,VGMBM
NGC 3622 Apr 03 2005	UMa 31" 17mmT	H879-2 Galaxy S? MF,MS,OVAL,UB,NND,SHISB,R=G	PB,S,R,GBM
NGC 3625 Apr 03 2005	UMa 31" 17mmT	H885-2 Galaxy SBb MB,PL,OVAL,UB,SHISB,PAIRS=PGC/MAC,R=G	F,S,LE135
NGC 3631 Mar 15 1985 Oct 22 1982	UMa 12.5" 16mm 12.5" 16mm	H226-1 Galaxy Sc MB,ML,FNUC,FACE ON,SBM,SMALL NUC,SPR STR DET,2 *S OUTER ARMS DIF,VF,MS,PATCHY,OVAL,STELL NUC	PB,L,R,SVMBMRN
NGC 3642 Mar 15 1985	UMa 12.5" 16mm	H245-1 Galaxy Sbc DIF,PF,PS,OVAL-PATCHY,SBM	PB,PL,R,VGBM
NGC 3654 Apr 03 2005	UMa 31" 17mmT	H880-2 Galaxy S? MB,PS,OVAL,SOMEWHAT HISB,SOMEWHAT BM,R=G	F,S,LE15
NGC 3656 Apr 03 2005	UMa 31" 17mmT	H782-2 Galaxy E? PB,ML,R,UB,NND,MOD HISB,CLOSE COMP=PGC34985,PAIRS=PGC'S/MAC,R=G	PB,S,R,VGBM,*12P
NGC 3657 Apr 03 2005	UMa 31" 17mmT	H768-3 Galaxy SBc/P MF,PS,R,SMALL BNUC,MOD HISB MIDDLE,GMBM,R=G	CF,VS,R,STELLAR
NGC 3668 Apr 03 2005	UMa 31" 17mmT	H845-2 Galaxy Sbc PB,PL,OVAL,R,SMALL BNUC,COMP NOT DET,VF* IN EDGE,GBM,HISB MIDDLE,FARM SUSP,R=	F,PS,IR,GBM,*9NP
NGC 3669 Apr 03 2005	UMa 31" 17mmT	H829-2 Galaxy SBcd MF,PL,EDGE ON,UB,NND,NO NUC,NO CENTRAL BULGE,R=E	VF,PL,PME135,ER
NGC 3674 Apr 03 2005 Mar 15 1985	UMa 31" 17mmT 12.5" 16mm	H886-2 Galaxy S0 MB,MS,ELONG,EDGE ON,SMALL BNUC,GMBM,MOD HISB MIDDLE,PAIR=MAC,R=G COMP TO SE = 3683,NO DESC GIVEN	PF,IF
NGC 3682 Apr 03 2005	Dra 31" 17mmT	H262-1 Galaxy S0-a PB,MS,ELONG,LARGE BNUC,HISB MIDDLE,R=G	CB,S,IR,SPMBMN

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NGC 3683 Mar 15 1985	UMa 12.5" 16mm	H246-1 Galaxy SBc DIF,PF,PS,ELONG,UB,NND,NO	CB,PL,E *S,COMP TO NW = 3674
NGC 3683A Apr 03 2005	UMa 31" 17mmT	Galaxy SBc PB,PL,OVAL,UB,NND,BRT	* OFF EDGE,SOMEWHAT HISB,R=G
NGC 3690 Apr 03 2005 Mar 15 1985	UMa 31" 17mmT 12.5" 16mm	H247-1 Galaxy SB VB,ML,OVAL,R,UB,NND,HISB,INTERACTING=IC694,PAIRS=PGC/MAC,R=G PF,PS,SLIGHTLY ELONG,2 NUC DET,INTERACTING GAL = IC 694,MOD HISB!!	PB,PS,VLE80,PGBM
NGC 3718 Mar 15 1985 Oct 22 1982	UMa 12.5" 16mm 12.5" 24mm	H221-1 Galaxy SBa/P PF,VL,SPR ARMS DET,BRT BAR,VERY R,FACE ON,2B*S TO S,PAIR/3729 MB,ML,2F*S IN S PART,OVAL,NND,PAIR/3729	PB,VL,R,VGLBM
NGC 3725 Apr 04 2005	UMa 31" 17mmT	H836-2 Galaxy SBc MB,ML,OVAL,SMALL BNUC,SLIGHTLY HISB MIDDLE,PAIR=PGC35626,R=G	CF,S,R,GVLBM,R
NGC 3729 Mar 15 1985 Oct 22 1982	UMa 12.5" 16mm 12.5" 24mm	H222-1 Galaxy SBa/P MB,ML,BRT THAN 3718,MOD HISB,B* ON S EDGE,UB,PAIR/3718 VF,ML,OVAL,NND,MOD HISB,F* IN S PART,PAIR/3718	PB,PL,LE0,GBM,*12NR
NGC 3733 Apr 04 2005	UMa 31" 17mmT	H771-3 Galaxy SBc PF,VL,OVAL,PATCH,UB,NND,B* IN FOV CLOSE BY,SEVERAL OTHERS PRESENT,R=F	EF,S,IR,*6MSF
NGC 3735 Apr 04 2005	Dra 31" 17mmT	H287-1 Galaxy Sc PB,VL,EDGE ON,LARGE BNUC,DUST LANE,CENTRAL BULGE,GMBM,HISB MIDDLE,PAIR=MAC,F	PB,L,ME130,MBM
NGC 3736 Apr 04 2005	Dra 31" 17mmT	Galaxy S? MF,PS,OVAL,SMALL FNUC,VF* ON EDGE,R=F	VF,VS,R
NGC 3737 Apr 04 2005	UMa 31" 17mmT	H772-3 Galaxy SB0 PB,MS,ELONG,SMALL BNUC,PAIRS=PGC35811/MAC'S,R=G	VF,STELLAR
NGC 3738 Mar 15 1985	UMa 12.5" 16mm	H783-2 Galaxy Im PF,PL,OVAL,MOD HISB,UB,PAIR/3756	PB,PL,BM
NGC 3740 Apr 04 2005	UMa 31" 17mmT	H847-3 Galaxy S? MF,ML,OVAL,UB,NND,SHISB,R=G	VF,VS,R,VGBM
NGC 3752 Apr 03 2005	Dra 31" 17mmT	H905-2 Galaxy Sab MB,ML,ELONG,EDGE ON,PATCH,UB,NND,R=G	PB,PL
NGC 3756 Mar 15 1985	UMa 12.5" 16mm	H784-2 Galaxy SBbc PF,PL,OVAL,MOD HISB,UB,PAIR/3738	PF,L,LE
NGC 3757 Apr 04 2005	UMa 31" 17mmT	H843-3 Galaxy S0 PB,MS,OVAL,LARGE BNUC,HISB MIDDLE,R=G	VF,R,STELLAR,VS*1DSF
NGC 3759 Apr 04 2005	UMa 31" 17mmT	Galaxy SB0 MB,ML,ELONG,LARGE BNUC,PAIR=IC2943,R=G	F,S,IR,*11NR
NGC 3759A Apr 04 2005	UMa 31" 17mmT	Galaxy SBc/P MF,ML,OVAL,SMALL FNUC,SOMEWHAT HISB,PAIR=MAC,R=F	

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NGC 3762 Apr 04 2005	UMa 31" 17mmT	H837-2 Galaxy Sa PB,MS,EDGE ON,LARGE BNUC,CENTRAL BULGE,HISB MIDDLE,SMBM,R=G	F,VLE,GBM
NGC 3770 Apr 04 2005	UMa 31" 17mmT	H838-2 Galaxy SBa MB,PS,R,SMALL BNUC,SMBM,MOD HISB MIDDLE,R=G	PF,S,R,GBM,R
NGC 3780 Mar 15 1985	UMa 12.5" 16mm	H227-1 Galaxy Sc DIF,MF,PL,F* E TIP,NND,UB,OVAL,PATCH	PF,L,VLE,VGBM,R
NGC 3795 Apr 04 2005	UMa 31" 17mmT	H844-3 Galaxy Sbc MF,MS,EDGE ON,UB,NND,CIGAR SHAPE,R=G	VF,S,ME
NGC 3796 Apr 04 2005	UMa 31" 17mmT	H839-2 Galaxy S? MB,MS,ELONG,OVAL,LARGE BNUC,HISB MIDDLE,R=G	F,CS,R,MBM
NGC 3804 Apr 04 2005	UMa 31" 17mmT	H830-2 Non-Existent MF,PL,OVAL,UB,NND,SHISB,* ON EDGE,PATCHY AREAS,R=F	PB,E NGC 3794
NGC 3888 Mar 15 1985	UMa 12.5" 16mm	H785-2 Galaxy SBc MB,MS,OVAL,UB,NND,MOD HISB,PAIR/3898	PB,S,LE,PGBM
NGC 3894 Mar 15 1985	UMa 12.5" 12mm	H248-1 Galaxy E4 PF,MS,OVAL,SBM,PAIR/3895	B,PL,IR,PGBM,P OF 2
NGC 3895 Mar 15 1985	UMa 12.5" 12mm	H832-2 Galaxy SBa PF,PS,OVAL,PATCHY,STELL NUC SUSP,PAIR/3894	PF,PL,VLE,GBM,F OF 2
NGC 3898 Mar 15 1985 Feb 12 1983	UMa 12.5" 12mm 12.5" 16mm	H228-1 Galaxy Sab PB,ML,BNUC,HISB,BM,R-OVAL,PAIR/3888 MB,PL,ELONG,BNUC,VMBM	B,PL,LE,SVMBM
NGC 3901 Feb 04 2005	Cam 31" 17mmT	H970-3 Galaxy Sc PF,ML,OVAL,PATCH,UB,NND,F* IN EDGE,R=F	PF,PL,RESOLVABLE
NGC 3917 Mar 15 1985	UMa 12.5" 16mm	H824-2 Galaxy Sc DIF,MP,MS,EDGE ON,2VF*S S SIDE,UB,NND	F,L,VME,VGBM
NGC 3945 Mar 15 1985 Feb 12 1983	UMa 12.5" 12mm 12.5" 16mm	H251-1 Galaxy SB0 PB,MS,BNUC,3F*S SURROUND OBJECT,R,VMBM,HISB MIDDLE MB,PS,BNUC,2F*S N,1*W,HISB,R,SBM	B,PL,R,GMBM,R,*12SP
NGC 3953 Mar 15 1985 Feb 12 1983	UMa 12.5" 16mm 12.5" 16mm	H45-5 Galaxy SBbc SAME,PB,PL,BNUC,F* JUST W OF NUC,FACE ON,SPR STR DET MB,PL,DNUC,F*W EDGE,OVAL,SOFT DIM NUC,VMBM,FACE ON,HALO	CB,L,E0,VSMLRN
NGC 3958 Mar 15 1985	UMa 12.5" 16mm	H833-2 Galaxy SBa CLOSE PAIR/3963	PF,PS,PME,VGBM
NGC 3963 Mar 15 1985	UMa 12.5" 16mm	H67-4 Galaxy SBbc DIF,PF,PS,OVAL,UB,NND,COMP TO SW = 3958	PF,CL,R,VG,SBM
NGC 3972 Feb 12 1983	UMa 12.5" 16mm	H789-2 Galaxy SBbc VDIF,VF,ML,EDGE ON,UB,TAPPERED ENDS,NND,PAIR/3977	PB,E

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NGC 3977	UMa		H790-2 Galaxy Sab	F,S	NGC 3980
Mar 02 1984	10"	20mm	MB,VL,FACE ON,SMALL NUC,F* SUSP CLOSE TO NUC,SBM,SOME SPR STR SUSP		
Feb 12 1983	12.5"	16mm	MB,ML,BNUC,F*N SIDE,OVAL,F*E EDGE,KNTS SUSP,ARMS SHOW GOOD,PAIR/3972		
NGC 3982	UMa		H62-4 Galaxy SBb	B,PL,R,G,SBM,DISC	
Feb 12 1983	12.5"	16mm	MB,MS,DNUC,R,SBM,SAME 24MM FIELD WITH 3998		
NGC 3990	UMa		H791-2 Galaxy E-S0	PF,S,LE,PSLBM	
Mar 15 1985	12.5"	12mm	CLOSE COMP TO 3998		
NGC 3992	UMa	M109	H61-4 Galaxy SBbc	CB,VL,PME,SBMBRN	M 109
Mar 19 2004	12.5"	12mmT6	MESSIER MARATHON 2004		
Dec 26 2003	31"	17mmT6	EB,EL,ELONG,VERY LARGE BNUC,HISB NUC,FARMS DET,PATCHY AREAS DET,M109,R=E		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Sep 18 1980	12.5"	24mm			
NGC 3998	UMa		H229-1 Galaxy S0	CB,PS,R,VG,SMBM	
Mar 15 1985	12.5"	12mm	PB,MS,BNUC,R,COMP TO W = 3990		
Feb 12 1983	12.5"	16mm	MB,MS,BNUC,R,VMBM,FAINT COMP (3990),FORMS TRI WITH 3982		
NGC 4026	UMa		H223-1 Galaxy S0	VB,CL,ME176,VSVMBMBN	
Feb 12 1983	12.5"	16mm	MB,PS,EDGE ON,DUST LANE SUSP,VBM,CENTRAL BULGE		
NGC 4034	Dra		H903-3 Galaxy Sc	EF,S,IF,GVLBM	
Mar 06 2003	12.5"	9mmT6	SUSP ONLY,LOCATION GOOD,R=P		
NGC 4036	UMa		H253-1 Galaxy E-S0	VB,VL,E	
Mar 06 2003	12.5"	9mmT6	VB,VL,BNUC,VBM,LARGE BRT NUC,HISB MIDDLE,TAPERED ENDS,R=E		
Feb 12 1983	12.5"	16mm	MB,PL,EDGE ON,BNUC,CENTRAL BULGE,DUST LANE SUSP,BM,PAIR/4041		
NGC 4041	UMa		H252-1 Galaxy Sbc	B,CL,R,G,PSVMBMRN	
Mar 06 2003	12.5"	9mmT6	VB,PL,R,HISB,VERY LARGE NUC,VF* SUSP IN GAL,SMALL AREA (RING),FAINT ARMS,R=E		
Feb 12 1983	12.5"	16mm	MF,MS,DNUC,R,SBM,PAIR/4036		
NGC 4054	UMa		H794-3 Galaxy S	EF,S	
Mar 06 2003	12.5"	9mmT6	EDIF,EF,VS,PATCH,AV,COMES AND GOES THEN HOLDS,R=P		
NGC 4068	UMa		H781-2 Galaxy Im	PF,S,STELLAR	IC 757
Mar 06 2003	12.5"	9mmT6	DIF,MF,VL,OVAL,R,NND,BRT * IN CENTER,F* OFF ONE SIDE,FACE ON,SPR STR SUSP,R=G		
NGC 4081	UMa		Galaxy Sa	F,S,ME,D*NR	
Mar 06 2003	12.5"	9mmT6	MF,MS,ELONG,UB,NND,R=F		
NGC 4085	UMa		H224-1 Galaxy SBc	B,PL,ME78,VSBM	
Mar 06 2003	12.5"	9mmT6	MB,VL,EDGE ON,UB,NND,PAIR=4088,R=G		
Feb 12 1983	12.5"	24mm	DIF,PF,ML,EDGE ON,UB,NND,PAIR/4088		
NGC 4088	UMa		H206-1 Galaxy SBbc	B,CL,E55,LBM	
Mar 06 2003	12.5"	9mmT6	MB,EL,OVAL,PATCH,UB,NND,SOMEWHAT HISB,PAIR=4085,R=E		
Feb 12 1983	12.5"	24mm	DIF,PB,PL,ELONG,HISB,NND,UB,W SIDE WIDER THAN E,PAIR/4085		

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NGC 4102	UMa	H225-1 Galaxy SBb	B,PS,R,BMBN,*12SPVNR
Mar 06 2003	12.5" 9mmT6	PB,ML,OVAL,BNUC,HISB,LARGE HISB NUC,F* OFF ONE EDGE,R=G	
Feb 12 1983	12.5" 16mm	MB,PS,BNUC,R,BM,F* (13 MAG) W EDGE,F* FARTHER E	
NGC 4108	Dra	Galaxy Sc	B,S,R,GBM
Mar 06 2003	12.5" 9mmT6	MB,PL,R,FNUC,SOMEWHAT HISB,GSBM,PAIR/4108B/4108A,R=G	
NGC 4108A	Dra	Galaxy SBbc	
Mar 06 2003	12.5" 9mmT6	EDIF,EF,ES,PATCH,AV,PAIR/4108B/4108,R=P	
NGC 4108B	Dra	Galaxy SBd/P	
Mar 06 2003	12.5" 9mmT6	SUSP ONLY,LOCATION GOOD,PAIR/4108/4108A,R=P	
NGC 4120	Dra	H904-3 Galaxy Scd	EF,VS,E
Mar 06 2003	12.5" 9mmT6	DIF,PF,PS,OVAL,PATCH,*NUC,R=F	
NGC 4121	Dra	Galaxy E	F,VS,LE,R
Mar 06 2003	12.5" 9mmT6	MF,VS,PATCH,*NUC,SMALL NUC,PAIR/4125,R=F	
NGC 4125	Dra	Galaxy E6/P	PB,PL,CE,MBM
Mar 06 2003	12.5" 9mmT6	VB,PL,BNUC,HISB,GMBM,PAIR/4121,R=E	
NGC 4127	Cam	H279-1 Galaxy Sc	F,PL,VLE,GLBM
Mar 06 2003	12.5" 9mmT6	DIF,PF,MS,R,PATCH,UB,NND,R=F	
NGC 4128	Dra	H263-1 Galaxy S0	CB,LE,BM
Mar 06 2003	12.5" 9mmT6	MB,MS,ELONG,FNUC,SMALL BRT NUC,MOD HISB MIDDLE,R=F	
NGC 4133	Dra	H278-1 Galaxy SBb	PB,CL,R,GMBM
Mar 06 2003	12.5" 9mmT6	DIF,R,PATCH,UB,R=F	
NGC 4141	UMa	H795-3 Galaxy SBc	VF,PS,LE,GBM,R
Mar 06 2003	12.5" 9mmT6	EDIF,EF,ES,PATCH,AV,R=P	
NGC 4142	UMa	H814-3 Galaxy SBcd	VF,S,IF,VGLBM,ER
Mar 06 2003	12.5" 9mmT6	VDIF,VF,MS,PATCH,UB,AV,R=P	
NGC 4149	UMa	H802-2 Galaxy S?	F,S,E
Mar 06 2003	12.5" 9mmT6	MF,MS,ELONG,UB,NND,R=F	NGC 4154
NGC 4157	UMa	H208-1 Galaxy SBb	PF,CL,VME60,(DOUBLE)
Apr 23 2003	12.5" 9mmT6	VF,EL,EDGE ON,BNUC,MOD HISB,DUST LANE SUSP,RES 7331,CENTRAL BULGE,R=E	
NGC 4159	Dra	H941-3 Galaxy Sbc	EF,PS,R,TRI2*
Mar 06 2003	12.5" 9mmT6	EDIF,EF,ES,AV,SUSP ONLY,LOCATION GOOD,R=P	
NGC 4161	UMa	H803-2 Galaxy Sc	F,S,R
Apr 23 2003	12.5" 9mmT6	PB,ML,ELONG,PATCH,SOMEWHAT HISB,B* SURROUNDS OBJECT,GBM,R=G	
NGC 4172	UMa	H792-2 Galaxy S?	F,S,LE,GBM
Apr 23 2003	12.5" 9mmT6	DIF,PF,ML,OVAL,PATCH,FNUC,R=F	
NGC 4181	CVn	H777-3 Galaxy E-S0	EF,S,STELLAR
Apr 23 2003	12.5" 9mmT6	PF,MS,PATCH,NND,CLOSE TO *,R=F	

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NGC 4187 Apr 23 2003	CVn 12.5" 9mmT6	H813-2 Galaxy E PF,PS,OVAL,R,PATCH,FNUC,1 OF 4 COMP,R=F	PB,S,LE	NGC 4187A
NGC 4187B Apr 23 2003	CVn 12.5" 9mmT6	Galaxy C EEDIF,EF,ES,PATCH,AV,SUSP,2 OF 4 COMP,R=P		
NGC 4187C Apr 23 2003	CVn 12.5" 9mmT6	Galaxy E EDIF,VF,VS,PATCH,UB,AV,SUSP,3 OF 4 COMP,R=P		
NGC 4194 Apr 23 2003	UMa 12.5" 9mmT6	H867-2 Galaxy IBm/P PB,ML,OVAL,R,BNUC,MOD HISB,GMBM,R=G	PB,VS,VSBM*12	
NGC 4195 Apr 23 2003	UMa 12.5" 9mmT6	H796-3 Galaxy SBc EDIF,EF,ES,PATCH,AV,SUSP,R=P	EF	
NGC 4198 Apr 23 2003	UMa 12.5" 9mmT6	H793-2 Galaxy S0-a MB,MS,OVAL,R,PATCH,FNUC,BETWEEN 2*S,R=F	PF,PS,LE,GBM	
NGC 4199 Apr 23 2003	UMa 12.5" 9mmT6	H797-3 Galaxy S? VDIF,VF,MS,PATCH,UB,NND,R=P	VF,S	
NGC 4205 Apr 23 2003	Dra 12.5" 9mmT6	Galaxy S? PB,ML,PATCH,BNUC,MOD HISB,F* IN GAL,GMBM,R=G	PB,PS,R,*12F,LN	
NGC 4210 Apr 23 2003	Dra 12.5" 9mmT6	H850-3 Galaxy SBb MF,PL,OVAL,R,PATCH,MOD HISB,PAIR=4221/PGC39058,R=G	PF,PS,R,VGBM	
NGC 4221 Apr 23 2003	Dra 12.5" 9mmT6	Galaxy SB0-a PB,PL,R,BNUC,MOD HISB,LARGE NUC AREA,HISB MIDDLE,PAIR=4210/PGC39058,R=G	PB,S,R,PSBM	
NGC 4236 Apr 23 2003	Dra 12.5" 9mmT6	H51-5 Galaxy SBdm DIF,MF,EL,ELONG,PATCH,LARGE,PATCHES DET,H2 REGIONS SUSP,R=G	VF,EL,ME160,VGBM	
NGC 4238 Apr 23 2003	Dra 12.5" 9mmT6	H851-3 Galaxy Scd DIF,PF,MS,OVAL,PATCH,UB,NND,R=P	VF,PS,IR,VGLBM	
NGC 4250 Feb 04 2005	Dra 31" 17mmT.	H264-1 Galaxy SB0-a PB,ML,R,LARGE BNUC,HISB MIDDLE,GMBM,R=G	PB,S,R,PGBM	
NGC 4256 Feb 04 2005	Dra 31" 17mmT.	H846-2 Galaxy Sb PB,ML,EDGE ON,SMALL BNUC,CENTRAL BULGE,HISB MIDDLE,BM,DUST SUSP,R=E	PB,L,CE38,BMBN	
NGC 4271 Feb 04 2005	UMa 31" 17mmT.	H804-2 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 4284 Feb 04 2005	UMa 31" 17mmT.	H798-3 Galaxy Sbc MB,PS,ELONG,VERY SMALL FNUC,* OFF ONE EDGE,R=F,PAIR=4290,R=F	CF,LE,P OF 2	
NGC 4290 Feb 04 2005	UMa 31" 17mmT.	H805-2 Galaxy SBab PB,ML,OVAL,SMALL BNUC,SHISB,HISB MIDDLE,BM,PAIR=4284,R=G	PB,L,R,GMBM	
NGC 4291 Feb 04 2005	Dra 31" 17mmT.	H275-1 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	

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NGC 4319 Feb 04 2005	Dra 31" 17mmT	H276-1 Galaxy SBab PB,ML,OVAL,SMALL FNUC,SHISB,* OFF EDGE,GMBM,PAIRS=4291/PGC39763/MAC,R=G	PB,PS,VLE,SBM
NGC 4331 Feb 04 2005	Dra 31" 17mmT	H942-3 Galaxy Im PF,MS,EDGE ON,UB,NND,F* IN TIP,R=F	EF,E0
NGC 4332 Feb 04 2005	Dra 31" 17mmT	H847-2 Galaxy SBa MB,PL,ELONG,EDGE ON,LARGE BNUC,ALMOST EDGE ON,MOD HISB MIDDLE,BM,R=G	PF,S,VLE,VGBM
NGC 4335 Feb 04 2005	UMa 31" 17mmT	H806-2 Galaxy E MB,PL,OVAL,LARGE BNUC,HISB MIDDLE,GMBM,R=G	PB,S,E,GBM
NGC 4358 Feb 04 2005	UMa 31" 17mmT	H799-3 Galaxy S0 VF,ES,R,* NUC OR VF* IN GAL,INTERACT=4364,PAIRS=4362/MAC,R=P	CF,CS,LE
NGC 4362 Feb 04 2005	UMa 31" 17mmT	H800-3 Galaxy S? MF,MS,OVAL,SMALL FNUC,GRADUALLY BM,PAIRS=4364/4358,R=F	VF,CS,R,R NGC 4364
NGC 4363 Feb 04 2005	Dra 31" 17mmT	H938-3 Galaxy Sb PF,ML,OVAL,PATCH,UB,NND,F* OFF ONE EDGE,R=F	EF,PL,IF
NGC 4364 Feb 04 2005	UMa 31" 17mmT	H801-3 Non-Existent MF,MS,OVAL,LARGE FNUC,SLIGHTLY HISB MIDDLE,INTERACT=4358,PAIR=4362,R=G	CF,CS,R NGC 4362
NGC 4384 Feb 04 2005	UMa 31" 17mmT	H879-3 Galaxy Sa/P MB,MS,OVAL,LARGE NUC,SHISB,GRADUALLY BM,R=G	CF,S,IR
NGC 4386 Feb 04 2005	Dra 31" 17mmT	H277-1 Galaxy SB0 PB,ML,OVAL,LARGE BNUC,MOD HISB,BM,R=G	PB,CL,LE,PSMBM
NGC 4391 Feb 04 2005	Dra 31" 17mmT	H852-3 Galaxy E-S0 MB,PS,OVAL,SMALL BNUC,MOD HISB,R=G	CF,S,R,SBM,***SP
NGC 4441 Feb 04 2005	Dra 31" 17mmT	H848-2 Galaxy SB0-a MB,MS,OVAL,LARGE FNUC,SHISB,R=G	PB,S,IR,BM
NGC 4481 Feb 04 2005	Dra 31" 17mmT	Galaxy S MF,PS,EDGE ON,UB,NND,SHISB,CENTRAL BULGE,R=G	PF,VS,R,*13ATT
NGC 4500 Feb 04 2005	UMa 31" 17mmT	H234-1 Galaxy SBa PB,MS,ELONG,SMALL BNUC,HISB MIDDLE,BM,TAPPED ENDS,R=G	B,CS,E,PGBM,*9F50"
NGC 4510 Feb 04 2005	Dra 31" 17mmT	Galaxy E MB,VS,OVAL,SMALL BNUC,R=G	CL,VS,ST F,MC
NGC 4511 Feb 04 2005	UMa 31" 17mmT	H834-3 Galaxy Sbc PF,MS,OVAL,UB,NND,PATCHY,R=F	PF,VS,IR,VGBM
NGC 4512 Feb 04 2005	Dra 31" 17mmT	Galaxy S0-a VDIF,EF,PL,PATCH,UB,NND,PAIR=4521,R=P	PB,S,R,PSBM
NGC 4513 Feb 04 2005	Dra 31" 17mmT	Galaxy S0 MF,PS,,OVAL,SMALL FNUC,PAIRS=PGC'S,R=F	F,R,(VS CL)

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NGC 4521 Feb 04 2005	Dra 31" 17mmT	H849-2 Galaxy S0/a PB,ML,EDGE ON,LARGE BNUC,HISB,CENTRAL BULGE,HISB MIDDLE,GMBM,PAIR=4512,R=G	PB,S,PME,PGBM,*P12S	
NGC 4932 Apr 14 2004	CVn 31" 17mmT	H818-3 Galaxy Sc MF,MS,OVAL,PATCH,UB,NND,SHISB,R=F	CF,S,R,VGLBM	
NGC 4938 Apr 14 2004	CVn 31" 17mmT	Galaxy S MF,MS,OVAL,SMALL FNUC,PAIR=MAC,R=F	EF,R,PSBM	
NGC 4954 Apr 14 2004	Dra 31" 17mmT	Galaxy S0 MF,MS,OVAL,SMALL FNUC,UNIDENTIFIED COMP CLOSE BY,R=F	VF,S,R,VGBM	NGC 4972
NGC 4964 Apr 14 2004	UMa 31" 17mmT	H779-3 Galaxy S0 MF,MS,PATCH,UB,NND,SHISB,F* ON EDGE,R=F	EF,S,LE	
NGC 4967 Apr 14 2004	UMa 31" 17mmT	H783-3 Galaxy E? MF,PS,OVAL,SMALL FNUC,R=F	VF,S,E,*ATT	
NGC 4973 Apr 14 2004	UMa 31" 17mmT	H781-3 Galaxy E MF,MS,OVAL,R,SMALL BNUC,BM,PAIRS/MANY,R=F	VF,S	IC 847
NGC 4974 Apr 14 2004	UMa 31" 17mmT	H782-3 Galaxy S0 MF,MS,OVAL,R,SMALL BNUC,BM,PAIRS=4973 GROUP,R=F	VF,S	
NGC 4977 Apr 14 2004	UMa 31" 17mmT	H780-3 Galaxy Sb MF,PS,OVAL,LARGE FNUC,R=F	CF,S	
NGC 4987 Apr 14 2004	CVn 31" 17mmT	H815-2 Galaxy E MF,MS,OVAL,SMALL BNUC,BM,PAIRS=PGC45564/PGC45520,R=F	VF,VS,STELLAR	
NGC 4998 Apr 14 2004	CVn 31" 17mmT	H819-3 Galaxy Sc MF,MS,OVAL,LARGE FNUC,UNKNOWN COMP 3.6' TO S,R=F	VF	
NGC 5001 Apr 14 2004	UMa 31" 17mmT	Galaxy SB? MF,MS,R,SMALL BNUC,MHISB,R=F	PF,S,IR,GBM	
NGC 5007 Apr 14 2004	UMa 31" 17mmT	H848-3 Galaxy E-S0 MF,MS,OVAL,R,SMALL BNUC,PAIR=PGC45617,R=F	VF,VS	
NGC 5009 Apr 14 2004	CVn 31" 17mmT	H820-3 Galaxy SBb MF,PS,OVAL,PATCH,UB,NND,R=F	VF,R,BET2VS*	
NGC 5034 Apr 14 2004	UMi 31" 17mmT	H909-3 Galaxy Sc MF,MS,OVAL,PATCH,UB,NND,R=F	VF,VS,R	
NGC 5040 Apr 14 2004	CVn 31" 17mmT	H816-2 Galaxy S MF,PS,R,SMALL BNUC,PAIR=MAC,R=F	F,S,IR,VGMBM	
NGC 5109 Apr 14 2004	UMa 31" 17mmT	H826-2 Galaxy Sbc DIF,PF,MS,ELONG,UB,CENTRAL BULDGE,PAIR=5113,R=F	CF,S,CE	
NGC 5113 Apr 14 2004	UMa 31" 17mmT	Galaxy Sbc VDIF,VF,PS,ELONG,PATCH,UB,NND,PAIR=5109,R=P	CF,S,E,(=5109)	

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NGC 5144 Apr 14 2004	UMi 31" 17mmT	H70-4 Galaxy C MF,ML,R,SHISB,PATCHY ARMS DETECTED,R=F	(PLN),CB,S,R,G,SLBM
NGC 5163 Apr 03 2005	UMa 31" 17mmT	H821-3 Galaxy E MB,PS,OVAL,R,SMALL BNUC,R=F	CF,STELLAR
NGC 5164 Apr 03 2005	UMa 31" 17mmT	H784-3 Galaxy SBb MF,MS,OVAL,PATCH,UB,NND,PAIR=MAC,R=F	CF,S,IR
NGC 5201 Apr 03 2005	UMa 31" 17mmT	H797-2 Galaxy S? MB,ML,OVAL,SMALL BNUC,KEEP B* OUT OF FOV,R=F	PF,CS,R,VGLBM
NGC 5204 Apr 03 2005	UMa 31" 17mmT	H63-4 Galaxy Sm PB,VL,OVAL,UB,NND,SHISB,CLOSE COMP=MAC,PAIRS=MAC,R=G	PB,CL,IR,GMBM,R
NGC 5205 Apr 03 2005	UMa 31" 17mmT	Galaxy Sb MF,MS,OVAL,VERY SMALL FNUC,SLIGHTLY BM,R=F	VF,PS,R,BET2VF*
NGC 5216 Apr 03 2005	UMa 31" 17mmT	H841-2 Galaxy E PB,ML,R,LARGE BNUC,SMBM,MOD HISB MIDDLE,R=G	PB,S,VLE
NGC 5218 Apr 03 2005	UMa 31" 17mmT	H842-2 Galaxy SBb/P PB,ML,OVAL,UB,NND,SHISB,PAIR=5216,R=G	PB,PL,R,GBM
NGC 5225 Feb 15 2004	CVn 31" 17mmT	H822-3 Galaxy S MF,MS,OVAL,SMALL BNUC,R=F	CF,PS,IR,LBM
NGC 5238 Feb 15 2004	CVn 31" 17mmT	H823-3 Galaxy Sd DIF,PF,VL,OVAL,UB,NND,R=F	CF,PL,R,VLBM
NGC 5250 Apr 03 2005	UMa 31" 17mmT	H817-2 Galaxy S0 PB,MS,R,SMALL BNUC,SOMEWHAT HISB MIDDLE,R=G	PB,S,R,VGBM
NGC 5255 Apr 03 2005	UMa 31" 17mmT	H803-3 Galaxy S? MF,VS,SMALL BNUC,R=G	VF,VS
NGC 5262 Feb 05 2005	UMi 31" 17mmT	Galaxy E-S0 MF,MS,OVAL,SMALL FNUC,,PAIR=PGC47875,R=F	EF,S
NGC 5278 Apr 03 2005	UMa 31" 17mmT	H798-2 Galaxy Sb/P MF,MS,OVAL,UB,NND,CLOSE COMP=5279,PAIRS=PGC'S,R=F	PF,R,VS NEB40"F,*N
NGC 5279 Apr 03 2005	UMa 31" 17mmT	Galaxy SBa/P PF,PS,OVAL,UB,NND,SOMEWHAT HISB,CLOSE COMP=5278,PAIRS=PGC'S,R=F	F,VS,F OF 2
NGC 5283 Apr 03 2005	Dra 31" 17mmT	Galaxy S0 MF,PS,R,SMALL BNUC,R=F	F,S,STELLAR
NGC 5294 Apr 03 2005	UMa 31" 17mmT	H785-3 Galaxy E PF,VS,R,UB,NND,F* OFF EDGE,R=F	EF,2ST ATT OR INV
NGC 5295 Apr 03 2005 Feb 04 2005	Cam 31" 17mmT 31" 17mmT	H946-3 Galaxy E-S0 PF,PS,OVAL,SMALL FNUC,R=F MF,MS,OVAL,SMALL BNUC,R=F	VF,VS,R

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NGC 5308 Apr 03 2005	UMa 31" 17mmT	H255-1 Galaxy S0 PF,PL,EDGE ON,LARGE BNUC,HISB MIDDLE,DUST SUSP,TAPPERED ENDS,BULGE,R=E	B,PL,ME57,PSMBEN
NGC 5314 Feb 05 2005	UMi 31" 17mmT	Galaxy S MF,MS,OVAL,PATCH,UB,NND,SOMEWHAT HISB,R=F	VF,ES,STELLAR,EF*VNR
NGC 5322 Apr 03 2005 Feb 12 1983	UMa 31" 17mmT 12.5" 16mm	H256-1 Galaxy E2 VB,VL,ELONG,OVAL,LARGE BNUC,HISB MIDDLE,* OR COMP OFF NUC,F* ON EDGE,SN?,R=E VB,ML,BNUC,R,BM,2F*S OFF IN A LINE	VB,PL,IR,PSMBM
NGC 5323 Feb 05 2005	UMi 31" 17mmT	H899-2 Galaxy Sab MF,MS,ELONG,EDGE ON,UB,NND,CENTRAL BULGE,R=F	VF,PS,LE0
NGC 5340 May 16 2004	UMi 31" 17mmT	Galaxy S DIF,VF,MS,PATCH,UB,NND,PAIRS=MAC'S,R=P	EF,S,R
NGC 5342 May 16 2004	UMa 31" 17mmT	H849-3 Galaxy S0 PB,MS,ELONG,LARGE BNUC,R=F	EF,VS
NGC 5344 May 16 2004	UMi 31" 17mmT	Galaxy S PF,MS,OVAL,SMALL FNUC,SLGHTLY BM,R=F	VF,S,R
NGC 5368 May 16 2004	UMa 31" 17mmT	H786-3 Galaxy SBab MB,MS,OVAL,LARGE BNUC,HISB MIDDLE,GMBM,PAIR=MAC,R=G	F,CS,R,STELL,*16NF
NGC 5370 May 16 2004	UMa 31" 17mmT	H843-2 Galaxy SB0 MF,MS,OVAL,LARGE BNUC,GMBM,SHISB MIDDLE,R=G	F,S
NGC 5372 May 16 2004	UMa 31" 17mmT	H809-3 Galaxy S? PB,ML,ELONG,LARGE BNUC,HISB MIDDLE,R=G	CF,S,E,(**INV)
NGC 5376 May 16 2004	UMa 31" 17mmT	H844-2 Galaxy SBab MB,PL,OVAL,PATCH,SHISB,BRT PATCH IN GAL DET CLOSE TO NUC,PAIRS=5389/5379,R=G	CB,PL,VLE,VGMBM
NGC 5379 May 16 2004	UMa 31" 17mmT	H239-1 Galaxy SB0-a DIF,MF,ML,OVAL,PATCH,NND,SOMEWHAT BM,PAIRS=5389/5376/P49512,R=F	PB,PS,E,MBM
NGC 5389 May 16 2004	UMa 31" 17mmT	H240-1 Galaxy SB0-a PB,PL,ELONG,LARGE BNUC,MOD HISB,GMBM,TAPPERED ARMS,PAIRS=5379/5376/P49512,R=	PB,PL,E,MBMN
NGC 5402 May 16 2004	UMa 31" 17mmT	H810-3 Galaxy S? MF,ML,EDGE ON,NND,F* OFF TIP,SLIGHTLY BRTER ALONG BAR,NO NUC BULGE DET,R=F	VF,VS,R
NGC 5412 May 16 2004	UMi 31" 17mmT	Galaxy E-S0 MF,MS,R,LARGE BNUC,MOD HISB MIDDLE,R=G	PF,S,R,D*P
NGC 5413 May 16 2004	Dra 31" 17mmT	Galaxy E MF,MS,R,SMALL FNUC,SUDDENLY BM,LARGE AREA OF ARMS,UB,R=G	PF,PS,R,PSLBM,*7P37S
NGC 5415 Mar 06 2003	UMi 12.5" 9mmT6	Galaxy S PF,MS,EDGE ON,NND,SBM,LOC IN BARREN * FIELD,R=P	EF,VS,R,2F*NR
NGC 5422 Mar 06 2003	UMa 12.5" 9mmT6	H230-1 Galaxy S0-a PB,ML,EDGE ON,BNUC,HISB,LARGE BRT NUC,MOD HISB MIDDLE,R=G	PB,S,PME45,VSVMBMN

Circumpolar Observations

NGC 5430 Mar 06 2003	UMa 12.5" 9mmT6	H827-2 Galaxy SBb MB,PL,OVAL,PATCH,*NUC,R=F	PB,S,IE,MBM
NGC 5443 Mar 06 2003	UMa 12.5" 9mmT6	H799-2 Galaxy SBb PB,ML,OVAL,PATCH,SOMEWHAT HISB,F* IN EDGE,SBM,R=G	PF,L,E
NGC 5452 May 16 2004	UMi 31" 17mmT6	H947-3 Galaxy SBcd VDIF,VF,PL,OVAL,PATCH,UB,NND,R=P	VF,PL,IR,VGVLBM
NGC 5457 Mar 19 2004 Mar 06 2003 Mar 02 1984 Mar 27 1981 Apr 16 1980	UMa M101 12.5" 12mmT6 12.5" 9mmT6 10" 20mm 12.5" 24mm 6" 24mm	Galaxy SBc MESSIER MARATHON 2004 EB,EL,R,BNUC,HISB,FACE ON,KNTS DET,ARMS DET,SPR STR DET,F*S,SMALL RNUC,R=E MB,EL,BNUC,FACE ON,F* JUST N OF NUC,SPR STR SUSP MESSIER MARATHON 1981	PB,VL,IR,G,VSMBMBSN M 101
NGC 5471 May 16 2004	UMa 31" 17mmT6	Galaxy P MB,MS,R,LARGE BNUC,LARGE NUC AREA,CLOSE TO M101,MOD HISB,PAIR=MAC,R=G	F,S,R,*12,13P
NGC 5473 Mar 06 2003 Jun 11 1983 Mar 27 1981	UMa 12.5" 9mmT6 12.5" 20mm 12.5" 24mm	H231-1 Galaxy E/SB0 PB,ML,R,BNUC,MOD HISB,R=G MB,PS,BNUC,BETWEEN 2 F*S E&W,R,SBM,CLOSE TO M101 (NORTH)	PB,S,R,GBM
NGC 5474 Mar 06 2003 Jun 11 1983 Mar 27 1981	UMa 12.5" 9mmT6 12.5" 20mm 12.5" 24mm	H214-1 Galaxy Sc PF,PL,R,PATCH,NND,PATCHY,F* IN GAL DET,R=G DIF,MB,PL,FNUC,F*NW 1 GAL DIA,OVAL,SMALL BRT NUC,SOUTH OF M101	PB,L,BM
NGC 5475 Mar 06 2003	UMa 12.5" 9mmT6	H800-2 Galaxy Sa MB,PL,ELONG,FNUC,SBM,R=G	PB,S,PME,BM
NGC 5477 May 16 2004 Mar 06 2003	UMa 31" 17mmT6 12.5" 9mmT6	H790-3 Galaxy Sm DIF,PF,VL,OVAL,UB,NND, 2VF*S IN GAL,R=F EDIF,EF,MS,PATCH,SUSP ONLY,LOCATION,GOOD,PAIR/5451,R=P	VF,PL
NGC 5479 Mar 06 2003	UMi 12.5" 9mmT6	Galaxy E-S0 VDIF,VF,PS,PATCH,NND,AV HOLDS,OTHER COMP CLOSE BY,R=P	EF,VS,R,NEARLYBET2*
NGC 5480 Mar 06 2003	UMa 12.5" 9mmT6	H692-2 Galaxy Sc DIF,MB,PL,R,PATCH,SBM,LARGER THAN COMP,PAIR/5481,R=F	F,PS,VGBM,NP OF 2
NGC 5481 Mar 06 2003	UMa 12.5" 9mmT6	H693-2 Galaxy E DIF,MB,ML,R,PATCH,*NUC,PAIR/5480,R=F	F,VS,SMBM,STELL,SF-2
NGC 5484 Mar 06 2003	UMa 12.5" 9mmT6	H791-3 Galaxy E2 AV,SUSP ONLY,LOCATION GOOD,PAIR/5486/5485,R=P	VF,S,R,4'FROM 5485
NGC 5485 Mar 06 2003 Mar 27 1981	UMa 12.5" 9mmT6 12.5" 24mm	H232-1 Galaxy S0 PB,PL,PATCH,MOD HISB,SGBM,PAIR/5486/5484,R=G	CB,R,VGBM,F OF 2

Circumpolar Observations

NGC 5486 Mar 06 2003	UMa 12.5" 9mmT6	H801-2 Galaxy Sm VDIF,VF,ML,PATCH,NND,PAIR/5485/5484,R=P	F,PL
NGC 5520 Jun 01 2003 Mar 06 2003	Boo 12.5" 9mmT6 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 5526 Mar 06 2003	UMa 12.5" 9mmT6	H804-3 Galaxy Sbc VDIF,VF,PS,ELONG,PATCH,NND,CLOSE COMP NOT DET,R=P	VF,S,E,R
NGC 5540 Mar 06 2003	UMa 12.5" 9mmT6	H805-3 Galaxy E-S0 VDIF,VF,VS,PATCH,UB,R=P	EF,VS,R,STELLAR
NGC 5547 Mar 06 2003	UMi 12.5" 9mmT6	H948-3 Galaxy S/P EDIF,EF,PS,PATCH,AV,R=P	EF,VS,E0
NGC 5561 Jun 01 2003	UMa 12.5" 9mmT6	Galaxy C EDIF,EF,ES,PATCH,AV,SUSP,LOC GOOD,R=P	EF,PS,R,F*CLOSE P
NGC 5585 Jun 01 2003	UMa 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 5602 Jun 01 2003	Boo 12.5" 9mmT6	H694-2 Galaxy Sa MF,MS,OVAL,FNUC,SHISB,SMALL NUC,R=F	PF,PS,LE,MBM
NGC 5607 Jun 01 2003	UMi 12.5" 9mmT6	H331-2 Galaxy S/P DIF,VF,MS,PATCH,UB,NND,R=P	PF,CS,IR,BM,ER
NGC 5620 Jun 01 2003	UMi 12.5" 9mmT6	H319-3 Galaxy E-S0 VDIF,VF,VS,PATCH,UB,F* JUST TO THE NORTH,R=P	EF,VS
NGC 5624 Jun 01 2003	Boo 12.5" 9mmT6	Galaxy S? VDIF,VF,VS,PATCH,UB,NND,R=P	EF,S,LE
NGC 5631 Jun 01 2003 Jun 11 1983	UMa 12.5" 9mmT6 12.5" 20mm	H236-1 Galaxy S0 PB,ML,ELONG,BNUC,SHISB,HALO-ARMS,SMALL BRFT NUC,STELLAR LIKE,GMBM,R=G MF,VS,BNUC,SEVERAL F*'S TO N,R,GBM,BARREN AREA TO SOUTH	B,S,R,PSBMN
NGC 5640 Jun 01 2003	Cam 12.5" 9mmT6	H949-3 Galaxy Sa EDIF,EF,VS,PATCH,AV,SUSP,R=P	EF,S,LE
NGC 5667 Apr 14 2004	Dra 31" 17mmT6	H807-2 Galaxy SBc MB,ML,ELONG,SHISB,PATCHY AND DARK AREAS IN CENTRAL REGION DETECTED,R=G	PB,PS,E0
NGC 5671 Jun 01 2003	UMi 12.5" 9mmT6	H882-3 Galaxy SBb VDIF,VF,PS,PATCH,UB,AV HOLDS,R=P	VF,PL,R,BM
NGC 5678 Apr 14 2004 Jul 22 1981	Dra 31" 17mmT6 12.5" 16mm	H237-1 Galaxy SBb VB,VL,OVAL,SHISB,GRADUALLY BM,MOD HISB MIDDLE,PAIR=PGC51922,R=G OBLONG,SMBM,DIF,DNUC,FAINT HALO	B,L,LE0,VGMBM

Circumpolar Observations

NGC 5687	Boo	H808-2 Galaxy E-S0	PF,S,IF,RESOLVA,*10F	
Apr 14 2004	31" 17mmT	MF,MS,ELONG,* BOTH TIPS,LARGE SOFT BNUC,MOD HISB MIDDLE,PAIR=PGC52098,R=F		
May 06 1981	12.5" 24mm	MB,MS,BNUC,DIM HALO,*13 MAG EDGE OF GAL		
NGC 5707	Boo	Galaxy Sab	B,PS,R	
Apr 14 2004	31" 17mmT	MB,PL,ELONG,LARGE BNUC,COMP OFF TIP(PGC52269),SHISB MIDDLE,TAPERED ENDS,R=G		
NGC 5712	UMi	H950-3 Galaxy E-S0	VF,S,R,S CL P	
Jun 01 2003	12.5" 9mmT6	VDIF,VF,VS,PATCH,AV HOLDS,PAIR=IC4470,R=P		
NGC 5720	Boo	Galaxy Sb	EEF,PS,R,BET 2*	
Apr 14 2004	31" 17mmT	MF,PS,OVAL,SMALL FNUC,SBM,R=F		
NGC 5751	Boo	H809-2 Galaxy Sc	F,S,VLE,TRI2*10,11	
Apr 14 2004	31" 17mmT	PF,ML,OVAL,UB,NND,EGG SHAPE,R-F		
NGC 5777	Dra	H806-3 Galaxy Sb	VF,VS,LE	
Apr 14 2004	31" 17mmT	MF,MS,EDGE ON,LARGE FNUC,CENTRAL BULDGE,DUST SUSP,PAIR=PGC53057,R=F		
NGC 5783	Boo	Galaxy SBc	PB,PS,IR,F*INV	NGC 5785
Apr 14 2004	31" 17mmT	MF,ML,OVAL,PATCH,UB,NND,* IN GAL,PAIR=5788,R=F		
NGC 5788	Boo	Galaxy S	EEF,S,R,VDIFFIC,SF-2	
Apr 14 2004	31" 17mmT	DIF,PF,MS,ELONG,PATCH,UB,NND,PAIR=5783,R=F		
NGC 5807	Dra	Galaxy C	VF,VS,RESOLVABLE	
Apr 14 2004	31" 17mmT	MF,MS,OVAL,SMALL FNUC,R=F		
NGC 5819	UMi	H311-3 Galaxy SAB	F,PL,TRI 2*	
Apr 14 2004	31" 17mmT	MF,PL,OVAL,PATCH,UB,NND,R=F		
NGC 5820	Boo	H756-2 Galaxy S0	B,E90,SBM,B D*F8'	
Jun 21 2003	12.5" 9mmT6	PB,ML,OVAL,BNUC,MOD HISB,LARGE BRT NUC AREA,B** IN FOV,R=G		
May 06 1981	12.5" 24mm	DIF,VF,VS,FAINT HALO,JUST W OF A NICE DOUBLE *		
NGC 5821	Boo	H811-3 Galaxy S?	VF,S	
Jun 21 2003	12.5" 9mmT6	VF,MS,PATCH,UB,NND,GET B* OUT OF FOV,PAIRS/5836/OGC53476,R=F		
NGC 5832	UMi	H332-2 Galaxy SBb	PB,CL,IR,BP,R	
Apr 14 2004	31" 17mmT	DIF,PF,VL,OVAL,PATCH,UB,NND,R=G		
NGC 5836	UMi	H312-3 Galaxy SBb	EF,VS,LE,2*INV	
Jun 21 2003	12.5" 9mmT6	MF,ML,R,STELL NUC,SOMEWHAT HISB,F* IN CENTRAL NUC,PAIRS/5821/PGC53476,R=G		
NGC 5862	Dra	Galaxy C	EF,PS,R,VDIFFIC	
Apr 23 2003	12.5" 9mmT6	VDIF,VF,VS,OVAL,PATCH,NND,KEEP B* OUT OF FOV,CLOSE TO M102,R=P		

Circumpolar Observations

NGC 5866	Dra	M102	H215-1 Galaxy S0-a	VB,CL,PME146,GBM	M 102
Mar 19 2004	12.5"	12mmT6	MESSIER MARATHON 2004		
Jun 20 1980	12.5"	24mm			
Jul 11 1980	12.5"	24mm			
Jul 14 1980	12.5"	24mm			
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Jul 22 1981	12.5"	16mm	VB,ML,ELONG,BNUC,BRT HALO AROUND NUC		
Jul 09 1983	12.5"	12mm	MB,ML,BNUC,2F*S ON BOTH SIDES,LARGE BRT NUC,TAPPERED ENDS		
Mar 02 1984	10"	20mm	SAME		
Apr 23 2003	12.5"	9mmT6	EB,,VL,OVAL,BNUC,HISB,AWSOME,BEAUTIFUL,TAPPERED ENDS,LARGE NUC AREA,GMBM,R=		
NGC 5866B	Dra		Galaxy SBd		
Apr 23 2003	12.5"	9mmT6	VDIF,VF,PL,OVAL,R,PATCH,UB,NND,R=F		
NGC 5870	Dra		Galaxy S0	EF,PS,LE,VDIFFIC,*F	
Apr 23 2003	12.5"	9mmT6	EDIF,EF,ES,OVAL,PATCH,NND,AV HOLDS,CLOSE TO M102,R=P		
NGC 5874	Boo		Galaxy SBc	VF,PL,R,INTRI OF3B*	
Apr 23 2003	12.5"	9mmT6	PF,VL,OVAL,PATCH,UB,NND,CENTER OF TRI OF *S,R=G		
NGC 5875	Boo		H755-2 Galaxy Sb	PB,PL,LE	
Apr 23 2003	12.5"	9mmT6	ELONG,PATCH,UB,NND,R=G		
NGC 5876	Boo		Galaxy SBab	F,S,R,MBM	IC 1111
Apr 23 2003	12.5"	9mmT6	MB,ML,OVAL,BNUC,MOD HISB,R=G		
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 5881	Dra		H818-2 Galaxy S?	PF,CS,R,VGBM	IC 1100
Apr 23 2003	12.5"	9mmT6	DIF,VF,VS,PATCH,UB,NND,R=P		
Apr 23 2003	12.5"	9mmT6	PF,PS,PATCH,UB,NND,R=F		
NGC 5894	Dra		H763-2 Galaxy SBm	PF,PS,E0	
Apr 23 2003	12.5"	9mmT6	PB,PL,ELONG,EDGE ON,UB,NND,SOME DUST SUSP,R=G		
Jul 09 1983	12.5"	16mm	EDIF,VF,MS,EDGE ON,SBM,TAPPERED		
NGC 5902	Boo		H737-3 Galaxy S	VF,VS,STELLAR	
Apr 23 2003	12.5"	9mmT6	MF,MS,R,BNUC,MOD HISB,GMBM,R=F		
NGC 5905	Dra		H758-2 Galaxy SBb	PF,PS,IR	
Apr 23 2003	12.5"	9mmT6	PB,PL,FNUC,MOD HISB,PATCH AREA DET,PAIR=5908,R=G		
Jul 09 1983	12.5"	16mm	DIF,MF,PS,EDGE ON,BNUC,PAIR/5907,BM,TAPPERED ENDS,2F*S AROUND GAL		
Jul 22 1981	12.5"	16mm	PF,MS,EDGE ON,FAINT HALO,PAIR/5908		
Jun 20 1980	12.5"	24mm			

Circumpolar Observations

NGC 5907	Dra	H759-2 Galaxy Sc	CB,VL,VME155,VGPSBMN
Apr 23 2003	12.5" 9mmT6	VF,VL,EDGE ON,BNUC,MOD HISB,BEAUTIFUL,DUST LANE,CENTRAL BULGE,R=E	
Jul 09 1983	12.5" 16mm	MB,PS,ELONG,VERY EDGE ON,FNUC,PAIR/5905	
Jul 22 1981	12.5" 16mm	EXT EDGE ON,UB,EQ DUST LANE SEEN	
Mar 27 1981	12.5" 24mm		
Jul 14 1980	12.5" 24mm		
Jul 11 1980	12.5" 24mm		
Jun 20 1980	12.5" 24mm	VERY IMPRESSIVE,VB,ELONG	
NGC 5908	Dra	H760-2 Galaxy Sb	PF,PS,R
Apr 23 2003	12.5" 9mmT6	PB,PL,EDGE ON,FNUC,SOMEWHAT HISB,LARGE NUC AREA,DARK LANE SUSP,PAIR=5905,R=	
Jul 09 1983	12.5" 16mm	MB,PL,ELONG,EGDE ON,BNUC,DUST LANES SUSP,TAPPERED ENDS	
Jul 22 1981	12.5" 16mm	SOMEWHAT BRT THAN COMP 5905,EDGE ON,DNUC,FAINT HALO	
Jun 20 1980	12.5" 24mm		
NGC 5909	UMi	H943-3 Galaxy Sbc	VF,VS
Apr 23 2003	12.5" 9mmT6	MF,PS,OVAL,PATCH,SMALL NUC,COMP=5912,R=F	
NGC 5912	UMi	H944-3 Galaxy E-S0	VF,VS
Apr 23 2003	12.5" 9mmT6	MF,PS,OVAL,PATCH,FNUC,COMP=5909,SLIGHTLY BM,R=F	
NGC 5939	UMi	Galaxy Sbc	PB,PS,LE
Apr 23 2003	12.5" 9mmT6	DIF,PF,MS,OVAL,PATCH,UB,NND,R=F	
NGC 5949	Dra	H906-2 Galaxy Sbc	F,S,LE45,VGLBM
Apr 23 2003	12.5" 9mmT6	DIF,PB,ML,PATCH,UB,NND,MOD HISB,R=G	
Jul 09 1983	12.5" 16mm	MB,PS,PATCH,MOD HISB	
Jul 22 1981	12.5" 16mm	VDIF,NO SPR STR SEEN,SBM	
NGC 5963	Dra	H761-2 Galaxy Sc	PF,PS,IF
Apr 23 2003	12.5" 9mmT6	PB,PL,OVAL,PATCH,UB,MOD HISB,PAIR=5965,R=G	
Jul 09 1983	12.5" 16mm	MB,PS,BNUC,F* CLOSE BY,R,SBM,PAIR/5965	
NGC 5965	Dra	H762-2 Galaxy Sb	CF,CL,LE
Apr 23 2003	12.5" 9mmT6	PB,PL,ELONG,PATCH,UB,NND,SOMEWHAT HISB,PAIR=5963,R=G	
Jul 09 1983	12.5" 12mm	MOD HISB IN MIDDLE	
Jul 09 1983	12.5" 16mm	MF,PL,EDGE ON,FNUC,SBM,TAPPERED ENDS,PAIR/5963	
NGC 5969	Dra	Galaxy E-S0	ES,R,STELLAR
Apr 23 2003	12.5" 9mmT6	VDIF,VF,VS,PATCH,UB,PAIR=5971,R=P	
NGC 5971	Dra	Galaxy Sa	EEF,VS,R,LBM
Apr 23 2003	12.5" 9mmT6	DIF,PF,PS,PATCH,UB,NND,PAIR=5969,R=F	
NGC 5976	Dra	Galaxy S0	EEF,S,R
Apr 23 2003	12.5" 9mmT6	EDIF,EF,ES,PATCH,AV,COMES AND GOES,PAIR=5981,R=P	
NGC 5981	Dra	Galaxy Sc	F,ME
Apr 23 2003	12.5" 9mmT6	PB,PL,EDGE ON,PATCH,NND,CENTRAL BULGE,PAIR=5982/5985,R=G	
Jul 09 1983	12.5" 16mm	EDIF,VF,MS,ELONG,VERY THIN,SEVERAL OTHER GAL IN FIELD	

Circumpolar Observations

NGC 5982	Dra	H764-2 Galaxy E3	CB,S,R,PSBM,R
Apr 23 2003	12.5" 9mmT6	VF,ML,BNUC,R,MOD HISB,GMBM,LARGE NUC,PAIR=5981/5985,R=G	
Jul 09 1983	12.5" 16mm	MB,ML,BNUC,R,BM,SEVERAL OTHER PAIRS	
Jul 22 1981	12.5" 24mm	VMBM,FAINT HALO,COMP CLOSE 5985	
Jul 14 1980	12.5" 24mm		
Jul 11 1980	12.5" 24mm		
Jun 20 1980	12.5" 24mm		
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 5987	Dra	H765-2 Galaxy Sb	PF,CS
Apr 23 2003	12.5" 9mmT6	PB,MS,R,BNUC,MOD HISB,B* CLOSE BY,LARGE NUC,GMBM,R=G	
Jul 09 1983	12.5" 16mm	MB,PS,ELONG,B*W SIDE,MOD HISB,SBM,OTHER PAIRS PRESENT	
NGC 5989	Dra	H738-3 Galaxy Sc	VF,VS
Jun 01 2003	12.5" 9mmT6	SAME	
Apr 23 2003	12.5" 9mmT6	DIF,MF,ML,PATCH,NND,SOMEWHAT HISB,R=F	
Jul 09 1983	12.5" 16mm	EDIF,VF,MS,PATCH,NND,SOMEWHAT HISB	
NGC 6011	UMi	H313-3 Galaxy Sb	VF,S,E90,VS*F
Apr 23 2003	12.5" 9mmT6	MF,MS,FNUC,PATCH,F* EDGE OF GAL,R=F	
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 6024	Dra	Galaxy S	PF,PS,R,BM,*CLOSE
Jun 01 2003	12.5" 9mmT6	VDIF,EF,VS,PATCH,CLUSTER OF F*S AROUND OBJECT,HINT OF GAL PRESENT,STELLAR,R=	
NGC 6048	UMi	H873-2 Galaxy E	F,R,BM
Jun 01 2003	12.5" 9mmT6	DIF,MF,MS,OVAL,PATCH,UB,SHISB,R=F	
NGC 6068	UMi	H973-3 Galaxy SBbc	VF,VS,LE0,R
Jun 01 2003	12.5" 9mmT6	DIF,VF,MS,OVAL,UB,NND,PAIR=6068A,R=F	
NGC 6068A	UMi	Galaxy S0	
Jun 01 2003	12.5" 9mmT6	VDIF,EF,PS,ELONG,PATCH,AV HOLDS,PAIR=6068,R=P	
NGC 6071	UMi	H883-3 Galaxy E-S0	EF,VS
Jun 01 2003	12.5" 9mmT6	EDIF,VF,VS,PATCH,AV HOLDS,R=P	

Circumpolar Observations

NGC 6079 Jun 01 2003	UMi 12.5" 9mmT6	H884-3 Galaxy E PF,PS,R,BNUC,R=F	VF,VS	IC 1200
NGC 6090 Jun 21 2003	Dra 12.5" 9mmT6	Galaxy Sab PF,ML,OVAL,FNUC,SOMEWHAT HISB,LARGE NUC AREA,2 COMP CLOSE BY,R=F	VF,S,R	
NGC 6091 Jun 01 2003	UMi 12.5" 9mmT6	Galaxy S EDIF,EF,VS,PATCH,AV,SUSP,R=P	VF,VS,R,*N	
NGC 6094 Apr 14 2004	UMi 31" 17mmT6	H314-3 Galaxy S0 MF,MS,R,LARGE FNUC,R=F	VF,VS,LE	
NGC 6095 Jun 21 2003	Dra 12.5" 9mmT6	Galaxy E-S0 PB,ML,OVAL,FNUC,SOMEWHAT HISB,SMALL SOFT NUC,2 COMP PRESENT,R=G	EF,PS,R,LINW/2*	
NGC 6111 Jun 21 2003	Dra 12.5" 9mmT6	Galaxy E? PF,MS,OVAL,FNUC,SOFT SMALL NUC,CLOSE COMP=PGC57569,R=F	VF,PS,LE,D*NR S	
NGC 6123 Jun 22 2003	Dra 12.5" 9mmT6	Galaxy S0-a MB,ML,OVAL,BNUC,SHISB,LARGE NUC ARA,GMBM,R=F	PF,VS,E,*NR	
NGC 6127 Jun 22 2003 Jul 09 1983	Dra 12.5" 9mmT6 12.5" 16mm	Galaxy E PB,PL,OVAL,BNUC,VERY HISB,LARGE NUC GOES TO BRT CENTRAL REGION,SMBM,R=G MF,MS,BNUC,R,BM	PF,VS,R	NGC 6128
NGC 6130 Jun 22 2003	Dra 12.5" 9mmT6	Galaxy SBbc PF,PL,PATCH,UB,NND,B* IN FOV CLOSE BY,R=F	PF,PL,R,B*NR P	
NGC 6136 Jun 22 2003	Dra 12.5" 9mmT6	Galaxy Sc VDIF,VF,MS,PATCH,NND,AV HOLDS,PAIR=PGC57907,R=P	EEF,S,R,VDIFFIC	
NGC 6140 Jun 22 2003 Jun 21 2003 Jul 09 1983	Dra 12.5" 9mmT6 12.5" 9mmT6 12.5" 16mm	H740-3 Galaxy SBc/P MB,VL,OVAL,UB,NND,R=G MF,VL,OVAL,PATCH,UB,NND,MOD HISB,B* OFF ONE SIDE,R=G DIF,MF,PL,ELONG,OVAL,NND	CF,PL,IR	
NGC 6143 Jun 22 2003	Dra 12.5" 9mmT6	H811-2 Galaxy SBbc PB,ML,PATCH,UB,NND,SHISB,LARGE PATCH,BETWEEN 2F*S,R=G	PB,IR,VGVLBM	
NGC 6157 Jun 22 2003	Dra 12.5" 9mmT6	Galaxy E-S0 PF,PS,OVAL,PATCH,FNUC,SMALL FAINT NUC,R=F	EEF,PS,R,VDIFFIC	
NGC 6182 Jun 22 2003	Dra 12.5" 9mmT6	H813-3 Galaxy Sa PB,ML,OVAL,FNUC,SHISB,SMALL FAINT NUC,SBM,CLOSE COMP=PGC58331,R=F	VF,VS,IR	
NGC 6187 Jun 22 2003	Dra 12.5" 9mmT6	Galaxy S DIF,PF,PS,PATCH,UB,NND,R=P	VF,VS,LBM	
NGC 6189 Jun 22 2003	Dra 12.5" 9mmT6	Galaxy SBc PB,ML,PATCH,NND,MOD HISB TOWARDS MIDDLE,R=G	VF,PS,LE	NGC 6191
NGC 6190 Jun 22 2003	Dra 12.5" 9mmT6	Galaxy Sc PF,PL,PATCH,FNUC,SHISB IN MIDDLE,SBM,R=F	VF,PS,R,F*NR	

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NGC 6198 Jun 22 2003	Dra 12.5" 9mmT6	Galaxy E DIF,VF,MS,PATCH,UB,NND,R=P	VF,VS,R,2*F
NGC 6206 Jun 22 2003	Dra 12.5" 9mmT6	Galaxy S0 DIF,PF,MS,PATCH,UB,NND,R=P	PF,ES,R,STELL,3VF*NR IC 1227
NGC 6211 Jun 22 2003	Dra 12.5" 9mmT6	Galaxy SB0 MB,PL,OVAL,FNUC,SHISB,SMALL NUC,GMBM,COMP=6213,OTHERS PRESENT,R=F	VF,PS,R,SP OF 2
NGC 6213 Jun 22 2003	Dra 12.5" 9mmT6	Galaxy Sa DIF,PF,ML,PATCH,UB,NND,COMP=6211 AND PGC58783,OTHERS PRESENT,R=F	EF,VS,R,NF OF 2
NGC 6214 Jun 22 2003	Dra 12.5" 9mmT6	Galaxy Sbc MF,MS,PATCH,UB,NND,R=F	EF,VS,R
NGC 6217 Jun 22 2003 Aug 13 1982	UMi 12.5" 9mmT6 12.5" 16mm	H280-1 Galaxy SBbc PB,VL,R,FNUC,SHISB,FACE ON,SMALL FAINT NUC,DUST SUSP,FARMS,R=E PF,PS,DIF,STELL NUC,OVAL,SBM,NO *S	B,CL,LE,SLBM
NGC 6223 Jun 24 2003	Dra 12.5" 9mmT6	Galaxy E-S0 MB,ML,R,BNUC,SHISB,BMBM,LARGE NUC AREA,R=G	F,S,R,MBM
NGC 6226 Jun 24 2003	Dra 12.5" 9mmT6	Galaxy S/P MF,MS,OVAL,R,PATCH,UB,NND,PAIR=PGC58846,R=F	F,S,TRIW/2*12\$14 NGC 6202
NGC 6232 Jun 24 2003	Dra 12.5" 9mmT6	Galaxy SBa MB,PL,OVAL,PATCH,*NUC,STELLAR NUC OR F* IN GAL,PAIR=6236,R=F	PF,PL,LE
NGC 6236 Jun 24 2003	Dra 12.5" 9mmT6	Galaxy SBc DIF,VF,VL,OVAL,PATCH,UB,NND,PAIR=6232,R=P	F,PL
NGC 6238 Jun 24 2003	Dra 12.5" 9mmT6	Galaxy Sc/P MB,ML,OVAL,FNUC,SLIGHTLY BM,PAIRS=6244/PGC58938,R=F	EEF,ES,EF*NR,VDIFFIC
NGC 6244 Jun 24 2003	Dra 12.5" 9mmT6	Galaxy SBa MB,ML,ELONG,UB,NND,SHISB,PAIRS=6238/PGC58938,R=F	VF,VS,R,BET2*,NF OF 2
NGC 6246 Jun 24 2003	Dra 12.5" 9mmT6	Galaxy SBb MB,VL,OVAL,R,NND,SHISB,PAIR=6246A,R=F	EF,S,R
NGC 6246A Jun 24 2003	Dra 12.5" 9mmT6	Galaxy SBc/P PB,MS,OVAL,BNUC,SHISB,SMALL BRT NUC,CLOSE TO B*,PAIR=6246,R=F	
NGC 6247 Jun 24 2003	Dra 12.5" 9mmT6	Galaxy P PB,ML,OVAL,FNUC,SOFT SMALL NUC,R=G	F,PS,IF
NGC 6248 Jun 24 2003	Dra 12.5" 9mmT6	Galaxy SBcd DIF,VF,PL,ELONG,UB,NND,R=F	EEF,PL,R,VDIFFIC
NGC 6251 Jun 22 2003	UMi 12.5" 9mmT6	H974-3 Galaxy E PF,MS,PATCH,FNUC,SHISB TOWARDS MIDDLE,SMBM,PAIR=6252,R=F	CF,S,BM,P OF 2
NGC 6252 Jun 22 2003	UMi 12.5" 9mmT6	H975-3 Galaxy S EDIF,VF,VS,PATCH,NND,AV,PAIR=6251,R=P	VF,VS,F OF 2

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NGC 6258 Jun 24 2003	Dra 12.5" 9mmT6	Galaxy E MF,PS,OVAL,PATCH,*NUC,R=F	EF,VS,R,B*\$D*P
NGC 6260 Jun 24 2003	Dra 12.5" 9mmT6	Galaxy Sc PB,MS,PATCH,UB,NND,R=F	EF,PS,R,SEV*NR SF
NGC 6275 Jun 24 2003	Dra 12.5" 9mmT6	Galaxy C/P VDIF,EF,PS,OVAL,PATCH,AV	EEF,S,LE,VDIFFIC MK 503 COMES AND GOES,LOC GOOD,R=P
NGC 6285 Jun 21 2003	Dra 12.5" 9mmT6	Galaxy S0-a DIF,PF,PL,PATCH,UB,NND,COMP=6286,R=F	EEF,S,R,VDIFFIC,NP-2
NGC 6286 Jun 21 2003	Dra 12.5" 9mmT6	Galaxy Sb/P DIF,PF,PL,ELONG,PATCH,UB,NND,COMP=6285,R=F	EF,PS,R
NGC 6288 Jun 24 2003	Dra 12.5" 9mmT6	Galaxy E-S0 DIF,MF,MS,OVAL,PATCH,UB,NND,PAIR=6289,R=F	EF,VS,R,SP OF 2
NGC 6289 Jun 24 2003	Dra 12.5" 9mmT6	Galaxy E-S0 DIF,MF,MS,OVAL,PATCH,UB,NND,PAIRS=6288/PGC59359,R=F	EF,PL,ME,NF OF 2
NGC 6290 Jun 21 2003	Dra 12.5" 9mmT6	Galaxy SBa MB,PS,PATCH,UB,NND,PAIR=6291,R=G	EF,PS,R,*CLOSE F
NGC 6291 Jun 21 2003	Dra 12.5" 9mmT6	Galaxy SBb MB,PS,PATCH,FNUC,SMALL NUC,PAIR=6290,R=G	EEF,ES,R
NGC 6292 Jun 21 2003	Dra 12.5" 9mmT6	Galaxy Sbc PF,MS,PATCH,UB,NND,F* IN AND AROUND GAL,R=F	EF,E,VDIFFIC,FST NR
NGC 6297 Jun 21 2003	Dra 12.5" 9mmT6	Galaxy S0 MB,MS,PATCH,UB,NND,MOD HISB,R=G	PB,PS,R,BET2*,P OF 2
NGC 6299 Jun 21 2003	Dra 12.5" 9mmT6	Galaxy E MF,MS,R,FNUC,SHISB,SLIGHTLY BM,R=F	VF,VS,R
NGC 6303 Jun 21 2003	Dra 12.5" 9mmT6	Galaxy E MF,MS,PATCH,FNUC,STELL NUC,R=F	EF,PL,ME,NR BET 2*
NGC 6306 Jun 21 2003	Dra 12.5" 9mmT6	Galaxy SBab/ PB,PL,PATCH,UB,NND,COMP=6307,R=G	VF,VS,LE
NGC 6307 Jun 21 2003	Dra 12.5" 9mmT6	Galaxy SB0-a MB,ML,OVAL,BNUC,MOD HISB,GBM,F* IN EDGE OF GAL,COMP=6306,R=G	VF,VS,LE,*13NR N
NGC 6310 Jun 21 2003	Dra 12.5" 9mmT6	Galaxy Sb PB,PL,EDGE ON,UB,NND,SOMEWHAT HISB,R=G	F,PL,LE
NGC 6317 Jun 21 2003	Dra 12.5" 9mmT6	Galaxy S0 EDIF,EF,VS,PATCH,AV	EEF,S,R,F*NR,SP OF 2 COMES AND GOES,LOC GOOD,PAIR=6319,R=P
NGC 6319 Jun 21 2003	Dra 12.5" 9mmT6	Galaxy E-S0 MF,PS,OVAL,PATCH,UB,PAIR=6317,R=F	VF,VS,R,LBM,NF OF 2

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NGC 6324 Jun 21 2003	UMi 12.5" 9mmT6	H945-3 Galaxy Sbc MF,MS,PATCH,UB,NND,SHISB,R=G	VF,S,E,S*S
NGC 6331 Jun 21 2003	UMi 12.5" 9mmT6	H951-3 Galaxy E DIF,PF,MS,PATCH,UB,NND,OTHERS PRESENT,R=P	EF,S
NGC 6338 Jun 22 2003	Dra 12.5" 9mmT6	H812-2 Galaxy S0 MB,ML,OVAL,R,BNUC,SHISB,GMBM,CLOSE COMP=PGC59943,CLUSTER 1 OF 5,R=G	F,S,R,VGLBM
NGC 6340 Jun 22 2003 Jul 22 1981	Dra 12.5" 9mmT6 12.5" 16mm	H767-2 Galaxy S0-a PB,PL,R,BNUC,MOD HISB,SMALL BRT NUC,FACE ON,SPR STR SUSP,PAIR=IC1251/IC1254,R=G ALMOST STELL NUC,DIF HALO,F* SUSP N SIDE	CF,PL,R,VGMBM
NGC 6345 Jun 22 2003	Dra 12.5" 9mmT6	Galaxy S0 VDIF,VF,MS,PATCH,UB,NND,ELONG,PAIR=6346CLUSTER 2 OF 5,R=P	EEF,VS,R,2ND OF 3
NGC 6346 Jun 22 2003	Dra 12.5" 9mmT6	Galaxy E VDIF,VF,MS,PATCH,UB,NND,PAIR=6345,CLUSTER 3 OF 5,R=P	EEF,S,R,3RD OF 3
NGC 6358 Jun 23 2003	Dra 12.5" 9mmT6	Galaxy S PF,MS,PATCH,UB,NND,R=F	EF,S,R,D*NR NP
NGC 6359 Jun 22 2003	Dra 12.5" 9mmT6	Galaxy E-S0 PB,PL,OVAL,BNUC,MOD HISB,LARGE BRT NUC,GMBM,R=G	PB,S,R,BMN=*12
NGC 6361 Jun 22 2003	Dra 12.5" 9mmT6	Galaxy Sbc MB,ML,EDGE ON,NND,CENTRAL BULGE NOT DET,PATCHY AREAS,ELONG,R=F	VF,PS,ME,NEAR BET 2*
NGC 6365A Jun 23 2003	Dra 12.5" 9mmT6	Galaxy SBc VDIF,VF,PS,UB,NND,COMP=6365B,APPEARS AS ONE GAL,ELONG,R=P	EEF,PL,IR,EF ST INV
NGC 6365B Jun 23 2003	Dra 12.5" 9mmT6	Galaxy S VDIF,VF,PS,UB,NND,COMP=6365A,APPEARS AS ONE GAL,ELONG,R=P	NGC 6365
NGC 6370 Jun 23 2003	Dra 12.5" 9mmT6	Galaxy E PB,ML,R,BNUC,MOD HISB,CLOSE TO B*,R=G	VF,VS,R,B*NR N
NGC 6373 Jun 23 2003	Dra 12.5" 9mmT6	Galaxy SBc DIF,VF,MS,OVAL,PACH,UB,NND,R=P	EEF,PL,VDIFFIC
NGC 6376 Jun 23 2003	Dra 12.5" 9mmT6	Galaxy Sc PF,MS,UB,NND,AV,COMP=6377,R=F	EEF,ES,R,VDIFFIC
NGC 6377 Jun 23 2003	Dra 12.5" 9mmT6	Galaxy Sbc PF,MS,PATHC,FNUC,AV,SMALL NUC,SLIGHTLY BM,COMP=6376,R=F	EF,ES,R,LBM
NGC 6381 Jun 23 2003	Dra 12.5" 9mmT6	Galaxy Sc MB,PL,OVAL,PATCH,UB,NND,SHISB,ELONG WITH AV,COMP=PGC60316,R=F	VF,PL,E
NGC 6382 Jun 24 2003	Dra 12.5" 9mmT6	Galaxy S PF,MS,ELONG,FNUC,SLIGHTLY BM,R=F	PF,PS,R
NGC 6385 Jun 24 2003	Dra 12.5" 9mmT6	Galaxy SBa PF,MS,PATCH,SLIGHTLY BM,B* IN FOV,PAIR=6387,R=F	EF,S,R,B*S

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NGC 6386 Jun 24 2003	Dra 12.5"	9mmT6	Galaxy Sbc DIF,VF,PS,PATCH,UB,NND,R=P	VF,PS,R,BET2*
NGC 6387 Jun 24 2003	Dra 12.5"	9mmT6	Galaxy C VF,PS,PATCH,UB,PAIR=6385,R=P	EF,S,R
NGC 6390 Jun 23 2003	Dra 12.5"	9mmT6	Galaxy Sbc DIF,PF,ML,OVAL,PATCH,UB,NND,JUMPS OUT WITH AV,PAIR=PGC60339/PGC60374,R=P	EEF,ME,VDIFFIC
NGC 6391 Jun 24 2003	Dra 12.5"	9mmT6	Galaxy E-S0 PF,PS,OVAL,PATCH,UB,R=F	EF,VS,R,NEARLYBET 2*
NGC 6393 Jun 24 2003	Dra 12.5"	9mmT6	Galaxy S? PF,MS,PATCH,UB,INSIDE TRI OF *S,PAIR=6394,R=F	EF,PS,R,S OF 2
NGC 6394 Jun 24 2003	Dra 12.5"	9mmT6	Galaxy SBb VDIF,EF,PS,PATCH,AV,PAIR=6393,R=P	EF,PS,R,N OF 2
NGC 6395 Jun 23 2003	Dra 12.5"	9mmT6	Galaxy Sc/P MB,PL,ELONG,UB,NND,SHISB,R=G	VF,PL,LE,D*N
NGC 6399 Jun 24 2003	Dra 12.5"	9mmT6	Galaxy S0-a DIF,VF,MS,PATCH,UB,R=P	EF,VS,R
NGC 6409 Jun 24 2003	Dra 12.5"	9mmT6	Galaxy E VF,PS,PATCH,UB,R=F	VF,S,R
NGC 6411 Jun 24 2003	Dra 12.5"	9mmT6	Galaxy E PB,PL,ELONG,BNUC,MOD HISB,LARGE BM,R=G	VS,GBM
NGC 6412 Jun 24 2003 Jul 22 1981	Dra 12.5" 12.5"	9mmT6 16mm	H41-6 Galaxy Sbc PB,VL,OVAL,R,FNUC,MOD HISB,F* IN GAL,PATCHY AREAS DET,R=G R,DIF,SPR STR SUSP,F* 14TH MAG N SIDE,B* FARTHER N	GCL,CL,R,VGBM,RR
NGC 6414 Jun 24 2003	Dra 12.5"	9mmT6	Galaxy S DIF,VF,PS,PATCH,UB,AV,R=P	EEF,PS,R,VDIFFIC
NGC 6418 Jun 24 2003	Dra 12.5"	9mmT6	Galaxy S? DIF,VF,PS,PATCH,UB,AV COMES AND GOES,LOC GOOD,R=P	EF,PS,R
NGC 6419 Jun 24 2003	Dra 12.5"	9mmT6	Galaxy Sa MF,PL,ELONG,PATCH,NND, GROUP OF 6,R=F	EEF,ES,R,VDIFFIC
NGC 6420 Jun 24 2003	Dra 12.5"	9mmT6	Galaxy E-S0 DIF,VF,MS,PATCH,UB,NND,COMPANIONS=6422/PGC60553,GROUP OF 6,R=P	EEF,ES,R,VDIFFIC
NGC 6422 Jun 24 2003	Dra 12.5"	9mmT6	Galaxy E-S0 DIF,VF,ML,PATCH,UB,NND,GROUP OF 6,COMPANIONS=6420/PGC60553,R=F	EF,PS,R,NRBET 2ST
NGC 6423 Jun 24 2003	Dra 12.5"	9mmT6	Galaxy C DIF,EF,PS,PATCH,AV COMES AND GOES,GROUP OF 6,CLOSEST TO 6419,R=P	EEF,VS,R,*CLOSE F
NGC 6424 Jun 24 2003	Dra 12.5"	9mmT6	Galaxy E-S0 DIF,PF,PS,PATCH,UB,R=F	VF,PS,R

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NGC 6434 Jun 24 2003	Dra 12.5" 9mmT6	H741-3 Galaxy SBbc MF,MS,ELONG,*NUC,SHISB,B*	VF,VS,R,STELLAR,*8S CLOSE BY,R=F	
NGC 6435 Jun 24 2003	Dra 12.5" 9mmT6	Galaxy C DIF,PF,PS,OVAL,PATCH,UB,R=F	EEF,VS,R,VFD*NR F	
NGC 6436 Jun 24 2003	Dra 12.5" 9mmT6	Galaxy Sc PF,PS,PATCH,UB,NND,3F*S	EEF,PS,LE,***NR JUST OFF ONE SIDE,R=F	
NGC 6449 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy Sc PF,MS,OVAL,PATCH,UB,NND,R=F	VF,PS,R	
NGC 6454 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy S MF,MS,PATCH,BNUC,LARGE NUC AREA,PAIR=PGC60781,CLOSE TO 6459,R=F	VF,PS,R,LBM	
NGC 6456 Jun 25 2003 Jun 24 2003	Dra 12.5" 9mmT6 12.5" 9mmT6	Galaxy E EDIF,EF,PS,AV,SUSP,LOC GOOD,GROUP OF 5,R=P VDIF,VF,PS,PATCH,UB,AV HOLDS AFTER A WHILE,PAIR=6463,R=P	EEF,ES,R,VDIFFIC	
NGC 6457 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy E-S0 PF,MS,OVAL,PATCH,FNUC,SMALL NUC AREA,SBM,R=F	F,VS,R,BM	
NGC 6459 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy S? MF,MS,OVAL,FNUC,CLOSE TO 6454,R=F	EF,ES,R,R	
NGC 6462 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy E? MF,MS,R,BNUC,SHISB,LOC IN BARRON * FOV,LARGE NUC,GBM,R=F	F,ES,R,(PLN)	
NGC 6463 Jun 25 2003 Jun 24 2003	Dra 12.5" 9mmT6 12.5" 9mmT6	Galaxy E-S0 DIF,MV,MS,PATCH,UB,GROUP OF 5,R=P DIF,VF,PS,PATCH,UB,AV,PAIR=6456,R=F	EEF,S,R,VDIFFIC,20F6	
NGC 6464 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy Sc DIF,EF,MS,PATCH,UB,NND,R=P	EEF,PS,R,S OF 4ST	
NGC 6466 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy S MF,MS,PATHC,SHISB,TRI F*S AROUND GAL,R=F	EF,VS,R,BET2ST	
NGC 6470 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy Sc EDIF,EF,MS,PATCH,AV,SUSP,LOC GOOD,GROUP OF 5,COMP=6472,R=P	EEF,VS,R,3RD OF6	
NGC 6472 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy S DIF,PF,MS,OVAL,PATCH,UB,CLOSE TO F*,COMPS=6477/6470,GROUP OF 5,R=F	EEF,ES,R,5TH OF6	
NGC 6473 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy S DIF,VF,MS,PATCH,UB,NND,PAIR=PGC60822,R=F	EEF,S,R,S OF 2	NGC 6474
NGC 6477 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy S0 VDIF,EF,PS,OVAL,PATCH,UB,AV COMES AND GOES,LOC GOOD,GROUP OF 5,COMPS=6472,R=	EEF,ES,R,*NR,VDIFFIC	
NGC 6478 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy Sc MF,ML,PATHC,SHISB,SBM,R=F	PB,S,VME,SPINDLE	

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NGC 6479 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy Sc PF,MS,PATCH,UB,B*	EF,PS,R,3ST N CLOSE BY WASHES OUT GAL,R=F
NGC 6488 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy C MF,VS,R,PATCH,2F*S	PF,PS,E AROUND GAL,R=F
NGC 6489 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy E-S0 DIF,EF,VS,PATHC,AV,SUSP,LOC	EEF,PL,LE,BET2ST GOOD,R=P
NGC 6491 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy Sab PF,MS,ELONG,PATCH,NND,PAIRS=6493/PGC60945,	PF,ES,VF*ATT,NP OF 2 R=R
NGC 6493 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy SBcd VF,PS,R,PATCH,NND,F* IN OR AROUND GAL,PAIRS=6491/PGC60945,	F,ES,R,(PLN),SF OF 2 R=F
NGC 6497 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy SBb MF,ML,ELONG,PATCH,UB,NND,SHISB,F* OFF NUC,	EF,PS,LE,*NR N,NPOF2 R=F
NGC 6503 Jun 25 2003 Jul 22 1981 Jul 14 1980 Jul 11 1980	Dra 12.5" 9mmT6 12.5" 16mm 12.5" 24mm 12.5" 24mm	Galaxy Sc VB,VL,ELONG,UB,NND,VERY HISB,FAINT HALO BEYOND HISB REGION,	PF,L,ME,*9F4' R=E VERY HISB,EDGE ON,PB,PL,BRIGHT HALO
NGC 6505 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy E-S0 MF,MS,R,PATCH,UB,	EEF,VS,R R=F
NGC 6508 Jun 25 2003 Jun 20 1980	Dra 12.5" 9mmT6 12.5" 24mm	Galaxy E MB,PL,R,FNUC,SMALL FAINT *	VF,S,3ST NR NUC,R=F
NGC 6512 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy E-S0 MF,ML,R,FNUC,SHISB,PAIRS=6516/6521,	VF,R,1ST OF 3 R=F
NGC 6515 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy E MF,PS,FNUC,PATCH,SMALL FNUC,SBM,SOMEWHAT HISB,	VF,VS,R,2BST NR R=F
NGC 6516 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy S VF,VS,R,PATCH,NND,PAIRS=6512/6521,	VF,VS,2ND OF3 R=P
NGC 6521 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy E PF,ML,FNUC,SMALL NUC,PATCH,PAIRS=6516/6512,	F,PL,3RD OF 3 R=F
NGC 6532 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy Sc DIF,VF,ML,ELONG,UB,	EEF,PS,R R=F
NGC 6534 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy S? DIF,EF,PS,PATCH,UB,B* ON EDGE,	EEF,PS,R R=P
NGC 6536 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy SBb VDIF,VF,MS,PATCH,UB,NND,	VF,PL,R R=F

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NGC 6538 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy S? DIF,PF,MS,PATCH,UB,NND,R=F	EF,VS,LE,BET2EF ST
NGC 6542 Jun 25 2003	Dra 12.5" 9mmT6	Galaxy S0-a MF,ML,ELONG,PATCH,NND,R=F	EF,S,ME,2ST SP
NGC 6552 Jun 23 2003	Dra 12.5" 9mmT6	Galaxy SBbc MB,PL,OVAL,FNUC,MOD HISB,SLIGHTLY BM,R=F	F,PS,IR
NGC 6562 Jun 23 2003	Dra 12.5" 9mmT6	Galaxy C MB,ML,R,BNUC,SHISB,SMALL BRT NUC,R=F	F,PS,R,BM,BET2*
NGC 6566 Jun 23 2003	Dra 12.5" 9mmT6	Galaxy E? PF,MS,OVAL,PATCH,UB,NND,R=F	EF,VS,R,*16NR
NGC 6592 Jun 23 2003	Dra 12.5" 9mmT6	Galaxy E-S0 MF,PS,OVAL,PATCH,UB,NND,R=F	VF,VS,R
NGC 6594 Jun 23 2003	Dra 12.5" 9mmT6	Galaxy S MF,MS,OVAL,PATCH,UB,NND,R=F	VF,VS,R
NGC 6597 Jun 23 2003	Dra 12.5" 9mmT6	Galaxy E? MF,MS,OVAL,PATCH,UB,NND,R=F	VF,VS,R,B*NR
NGC 6598 Jun 23 2003	Dra 12.5" 9mmT6	Galaxy S/P MB,PL,R,PATCH,UB,SHISB,R=F	EF,PS,R
NGC 6607 Jun 23 2003	Dra 12.5" 9mmT6	Galaxy Sb EDIF,EF,MS,SUSP,PAIR=6608/6609,R=P	EF,PS,R,VDIFFIC
NGC 6608 Jun 23 2003	Dra 12.5" 9mmT6	Galaxy Scd MF,PS,OVAL,PAGTCH,FNUC,SHISB,SOMEWHAT BM,PAIR=6607/6609,R=F	VF,ES,R,VF*NR
NGC 6609 Jun 23 2003	Dra 12.5" 9mmT6	Galaxy S? NO FIND,LOC GOOD,PAIR=6607/6608,R=P	VF,PS,LE,F*NR
NGC 6617 Jun 24 2003	Dra 12.5" 9mmT6	Galaxy Scd SUSP,LOC GOOD,CONDITIONS EXCELLENT,R=P	EEF,PL,R,VDIFFIC
NGC 6621 Jun 23 2003	Dra 12.5" 9mmT6	Galaxy Sb/P MB,PL,ELONG,UB,NND,SHISB,R=F	PF,PS,R,LBM,S OF 2
NGC 6636 Jun 01 2003	Dra 12.5" 9mmT6	Galaxy Sc DIF,VF,PS,PATCH,UB,AV HOLDS,R=P	EEF,PS,R,3*NR
NGC 6643 Jun 01 2003 Jul 22 1981 Jul 14 1980 Jul 11 1980	Dra 12.5" 9mmT6 12.5" 16mm 12.5" 24mm 12.5" 24mm	Galaxy Sc DIF,MB,VL,OVAL,PATCH,NND,SHISB,R=G HISB,ELONG,DIF,STELL NUC SUSP,BRT HALO,PB,ML	PB,PL,E50,2ST P
NGC 6650 Jun 01 2003	Dra 12.5" 9mmT6	Galaxy C DIF,PF,PS,PATCH,UB,NND,R=P	VF,VS,R

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NGC 6651 Jun 01 2003	Dra 12.5" 9mmT6	Galaxy Sbc DIF,PF,MS,OVAL,PATCH,UB,NND,R=F	EEF,PS,LE,VDIFFIC	
NGC 6654 Jun 01 2003	Dra 12.5" 9mmT6	Galaxy SB0-a MB,ML,ELONG,BNUC,SHISB,LARGE NUC AREA,SMALL BRT NUC,R=G	*12,13INPB,PL NEBY	
NGC 6654A Jun 01 2003	Dra 12.5" 9mmT6	Galaxy SBd/P VDIF,EF,PS,ELONG,PATCH,UB,AV COMES AND GOES,LOC GOOD,R=P		
NGC 6667 Jun 01 2003	Dra 12.5" 9mmT6	Galaxy SBab/ DIF,PF,MS,ELONG,UB,NND,R=F	VF,PL,LE,VF D* NR	NGC 6668
NGC 6670 Jun 01 2003	Dra 12.5" 9mmT6	Galaxy S VDIF,VF,PS,PATCH,AV HOLDS,R=P	EEF,S,ME,VDIFFIC	
NGC 6676 Jun 01 2003 Jun 01 2003	Dra 12.5" 9mmT6 12.5" 9mmT6	Galaxy Sbc NO FIND,LOC GOOD,PAIR/IC4763/6677 NO FIND,LOC GOOD	EEF,PS,LE,LBM,VDIFFI	
NGC 6677 Jun 22 2003 Jun 01 2003	Dra 12.5" 9mmT6 12.5" 9mmT6	Galaxy Sbc MF,PL,ELONG,BNUC,SMALL BRT NUC,CLOSE COMP=6679,PAIR=IC4763,R=F DIF,VF,PS,OVAL,NUC,SMBM,PAIR/IC4763/6676,R=F	VF,VS,BET*VNR\$VF D*	
NGC 6679 Jun 22 2003	Dra 12.5" 9mmT6	Galaxy Sc EDIF,EF,MS,PATCH,AV COMES AND GOES,SUSB,LOC GOOD,COMP=6677,PAIR=IC4763,R=P	EF,CLOSE DOUBLE	
NGC 6687 Jun 22 2003 Jun 01 2003	Dra 12.5" 9mmT6 12.5" 9mmT6	Galaxy Scd VDIF,VF,ML,PATCH,UB,AV,KEEP B* OUT OF FOV,R=P NO FIND,LOC GOOD	EF,PL,R,BET2ST	
NGC 6691 Jun 01 2003	Dra 12.5" 9mmT6	Galaxy SBbc DIF,PF,PS,OVAL,PATCH,UB,R=P	VF,PL,R,PB*S NR	
NGC 6701 Jun 01 2003	Dra 12.5" 9mmT6	Galaxy SBa PB,MS,OVAL,BNUC,SHISB,SMALL BRT NUC,R=G	PB,PS,ME,F*CLOSE F	
NGC 6732 Jun 01 2003	Dra 12.5" 9mmT6	Galaxy E MV,MS,OVAL,FNUC,SBM,SHISB MIDDdle,F* OFF ONE EDGE,R=F	PB,VS,R, F*N	
NGC 6747 Jun 22 2003	Dra 12.5" 9mmT6	Galaxy E DIF,VF,VS,PATCH,*NUC,AV,STELLAR,LOC GOOD,R=P	EEF,VDIFFIC,PB ST SF	
NGC 6750 Jun 01 2003	Dra 12.5" 9mmT6	Galaxy Sc VDIF,EF,PS,AV COMES AND GOES,LOC GOOD,R=P	VF,VS,R	
NGC 6757 Jun 01 2003	Dra 12.5" 9mmT6	Galaxy SB0-a DIF,PF,MS,ELONG,PATCH,UB,R=P	PF,ME,3F*INV	
NGC 6759 Jun 21 2003	Dra 12.5" 9mmT6	Galaxy S MB,MS,PATCH,NND,F* AROUND GAL,R=F	VF,S,R,VF D*CLOSE SP	
NGC 6762 Jun 21 2003	Dra 12.5" 9mmT6	Galaxy S0-a MB,ML,ELONG,FNUC,SMALL SOFT NUC,R=F	EF,ME	NGC 6763

Circumpolar Observations

NGC 6764	Cyg	Galaxy SBbc	PF,PL,ME,SEVVF*INV	
Jun 01 2003	12.5"	9mmT6	DIF,MF,PL,ELONG,PATCH,NND,R=F	
Jul 06 2002	12.5"	16mm	VDIF,PF,ML,UB,PATCHY	
NGC 6786	Dra	Galaxy SBbc	EEF,S,R,2ST NF	
Jun 21 2003	12.5"	9mmT6	MB,ML,PATCH,UB,NND,R=F	
NGC 6787	Dra	Galaxy SBb	EEF,PS,4*SF,E DIFFIC	
Jun 21 2003	12.5"	9mmT6	FID,BF,MS,OVAL,R,PATCH,UB,NND,R=F	
NGC 6789	Dra	Galaxy Im	EEF,PL,R,VDIFFIC	
Jun 21 2003	12.5"	9mmT6	MF,MS,OVAL,PATCH,UB,NND,R=F	
NGC 6796	Dra	Galaxy Sbc	VF,PS,ME NS	
Jun 21 2003	12.5"	9mmT6	MB,VL,EDGE ON,UB,NND,SOMEWHAT HISB,R=G	
NGC 6798	Cyg	Galaxy S0	F,VS,R,*VNR	IC 1300
Jun 21 2003	12.5"	9mmT6	MB,MS,OVAL,R,BNUC,MOD HISB,GMBM,R=F	
Jul 06 2002	12.5"	16mm	EDIF,EF,PS,ELONG,PATCH,COMES AND GOES WITH AVERTED VISION,2F**S OFF ONE EDGE	
NGC 6801	Cyg	Galaxy Sc	EF,PS,R,F*S NR	
Jun 21 2003	12.5"	9mmT6	MB,ML,OVAL,*NUC,VF* IN GAL AND AROUND GAL,R=F	
NGC 6824	Cyg	H878-2 Galaxy Sab	PB,IF,BM	
Jun 21 2003	12.5"	9mmT6	VB,VL,BNUC,VERY HISB,F* OFF TO EDGE,LARGE BRT NUC,GMBM,R=E	
Jul 06 2002	12.5"	16mm	DIF,PF,MS,OVAL PATCH,UB,12MAG * CLOSE BY	
NGC 6825	Dra	Galaxy C	EF,VS,VDIFFIC,F*NR	
Jun 21 2003	12.5"	9mmT6	MF,PS,R,FNUC,F* OFF ONE SIDE,R=F	
NGC 6829	Dra	Galaxy Sb	EF,PS,R,PB*NR S,POF2	
Jun 22 2003	12.5"	9mmT6	VDIF,VF,PS,ELONG,UB,NND,PAIR=6831,R=P	
NGC 6831	Dra	Galaxy S0	EF,S,R,F OF 2	
Jun 22 2003	12.5"	9mmT6	MB,ML,OVAL,FNUC,SOMEWHAT BM,SMALL NUC DET,PAIR=6829,R=F	
Jun 21 2003	12.5"	9mmT6	MF,ML,R,FNUC,SOMEWHAT HISB,SMALL FAINT NUC,R=G	
NGC 6869	Dra	Galaxy S0	PB,PS,R	
Jun 22 2003	12.5"	9mmT6	PB,PL,OVAL,UB,MOD HISB,R=G	
NGC 6911	Dra	Galaxy SBb	EF,L,LBM,PB*NR	
Jun 22 2003	12.5"	9mmT6	VDIF,VF,VS,PATCH,NND,AV COMES AND GOES,R=P	
NGC 6916	Cyg	Galaxy SBbc	EEF,PS,F*NR P,VDIFFI	
Jun 22 2003	12.5"	9mmT6	VDIF,VF,PS,PATCH,UB,NND,AV COMES AND GOES,2F**S IN GAL,R=P	
NGC 6946	Cep	H76-4 Galaxy SBc	VF,VL,VG,VSBM,RR	
Jun 22 2003	12.5"	9mmT6	VB,EL,R,NND,SHISB,AREAS OF PATCHES DET,SEVERAL *S IN GAL,R=E	
Jul 09 1983	12.5"	24mm	MF,VL,OVAL,3B**S TO ONE SIDE,SEVERAL F**S IN GAL,SPR STR SUSP,PAIR/6939	
Aug 14 1982	12.5"	16mm	EDIF,MF,PL,PATCHY,OVAL,NND,STARS IN GAL,SEE CARD FOR DRAWING	
Jun 06 1981	12.5"	16mm	DIF,VL,MB,SOME SPR STR DET,FACE ON,SEVEAL *S IN GAL,RESEMBLES M33	
Aug 19 1980	12.5"	32mm	VF,COULD NOT FIND IN 24MM	

Circumpolar Observations

NGC 6949	Cep	Galaxy S?	EF,PS,IR
Jun 22 2003	12.5" 9mmT6	VDIF,VF,ML,OVAL,PATCH,UB,NND,AV,LOC IN RICH *	FOV,R=P
NGC 6951	Cep	Galaxy SBbc	PB,PL,LE
Jun 22 2003	12.5" 9mmT6	MB,PL,OVAL,BNUC,SHISB,SMBM,AREAS OF BRT REGIONS AROUND NUC,R=G	NGC 6952
Jul 06 2002	12.5" 16mm	VDIF,VF,MS,PATCH,OVAL,F* ONE SIDE	
Jul 09 1983	12.5" 16mm	EDIF,VF,MS,OVAL,SBM,* TO W SIDE	
Aug 14 1982	12.5" 16mm	BAR MAYBE SUSP	
Aug 14 1982	12.5" 24mm	DIF,MF,MS,BRT NUC,R,F* OFF E SIDE	
Jun 06 1981	12.5" 16mm	DIF,MF,ML,DNUC,FAINT HALO,14* IN OR AROUND GAL	