

# Circumpolar Observations

<b>IC 10</b>	<b>Cas</b>		<b>Galaxy IBm</b>	
Sep 11 2004	31"	17mmT4	VF,MS,OVAL,PATCH,UB,SEVERAL *S IN GAL,R=P	
<b>IC 1027</b>	<b>Boo</b>		<b>Galaxy S</b>	
Apr 14 2004	31"	17mmT4	MF,PS,OVAL,SMALL FNUC,PAIR=MAC,R=F	
<b>IC 1046</b>	<b>UMi</b>		<b>Galaxy Sc</b>	
Feb 05 2005	31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,R=F	
<b>IC 1049</b>	<b>Dra</b>		<b>Galaxy SBa</b>	
Apr 14 2004	31"	17mmT4	PF,PS,OVAL,SMALL FNUC,R=F	
<b>IC 1056</b>	<b>Boo</b>		<b>Galaxy Sb</b>	
Apr 14 2004	31"	17mmT4	PF,ML,PATCH,UB,NND,R=F	
<b>IC 1065</b>	<b>Dra</b>		<b>Galaxy SB0</b>	
Apr 14 2004	31"	17mmT4	MF,PS,OVAL,LARGE FNUC,SHISB,R=F	
<b>IC 1069</b>	<b>Boo</b>		<b>Galaxy S0</b>	
Apr 14 2004	31"	17mmT4	MF,PS,OVAL,LARGE FNUC,R=F	
<b>IC 1074</b>	<b>Boo</b>		<b>Galaxy S</b>	
Apr 14 2004	31"	17mmT4	DIF,MF,MS,ELONG,PATCH,UB,NND,R=F	
<b>IC 1083</b>	<b>UMi</b>		<b>Galaxy S</b>	
Apr 14 2004	31"	17mmT4	DIF,MF,MS,PATCH,UB,NND,R=F	
<b>IC 1099</b>	<b>Dra</b>		<b>Galaxy SAB(r)c:</b>	
Apr 23 2003	12.5"	9mmT6	VF,VS,PATCH,UB,NND,F* SURROUNDS GAL,R=P	
<b>IC 1100</b>	<b>Dra</b>		<b>Galaxy S?</b>	<b>VF,PS,1E,BET 2 ST</b>
Mar 04 2006	31"	17mmT4	MB,MS,OVAL,LARGE NUC,GMBM,MOD HISB MIDDLE,R=G	
<b>IC 1110</b>	<b>UMi</b>		<b>Galaxy Sa</b>	
Apr 23 2003	12.5"	9mmT6	DIF,MF,MS,OVAL,PATCH,UB,NND,R=F	
<b>IC 1111</b>	<b>Boo</b>		<b>Galaxy Sb</b>	
Apr 23 2003	12.5"	9mmT6	VDIF,VF,MS,PATCH,UB,R=P	
<b>IC 1129</b>	<b>UMi</b>		<b>Galaxy Scd:</b>	
Apr 23 2003	12.5"	9mmT6	DIF,VF,VS,OVAL,PATCH,NND,R=P	
<b>IC 1139</b>	<b>UMi</b>		<b>Galaxy</b>	
Apr 23 2003	12.5"	9mmT6	EDIF,EF,ES,PATCH,AV,R=P	
<b>IC 1143</b>	<b>UMi</b>		<b>Galaxy E</b>	
Apr 23 2003	12.5"	9mmT6	MF,MS,OVAL,PATCH,FNUC,SOMEWHAT HISB,R=F	
<b>IC 1145</b>	<b>UMi</b>		<b>Galaxy Sbc</b>	
Apr 23 2003	12.5"	9mmT6	VDIF,VF,VS,PATCH,AV HOLDS,R=P	

# Circumpolar Observations

<b>IC 1146</b>	<b>Dra</b>		<b>Galaxy S</b>
Apr 26 2006	31"	17mmT4	MF,PS,OVAL,LARGE FNUC,PAIR=PGC56091,R=F
Jun 01 2003	12.5"	9mmT6	DIF,PF,PS,PATCH,UB,R=P
<b>IC 1147</b>	<b>Dra</b>		<b>Galaxy S</b>
Mar 04 2006	31"	17mmT4	MB,PS,PATCH,SMALL FNUC,R=F
<b>IC 1154</b>	<b>UMi</b>		<b>Galaxy E</b>
Jun 01 2003	12.5"	9mmT6	VDIF,VF,VS,PATCH,R=P
<b>IC 1187</b>	<b>UMi</b>		<b>Galaxy L</b>
Jun 01 2003	12.5"	9mmT6	EDIF,EF,ES,AV,SUSP,LOC GOOD,R=P
<b>IC 1201</b>	<b>Dra</b>		<b>Galaxy Sb</b>
Jun 01 2003	12.5"	9mmT6	EDIF,EF,ES,SUSP,LOC GOOD,R=P
<b>IC 1210</b>	<b>Dra</b>		<b>Galaxy Sab</b>
Jun 21 2003	12.5"	9mmT6	MF,MS,ELONG,FNUC,SMALL SOFT NUC,R=F
<b>IC 1211</b>	<b>Dra</b>		<b>Galaxy E</b>
Jun 22 2003	12.5"	9mmT6	MB,ML,OVAL,BNUC,LARGE NUC AREA,R=F
<b>IC 1212</b>	<b>Dra</b>		<b>Galaxy</b>
Jun 21 2003	12.5"	9mmT6	MF,MS,R,FNUC,B* IN FOV,SMALL NUC,PAIR=PGC57677,R=F
<b>IC 1214</b>	<b>Dra</b>		<b>Galaxy S0/a</b>
Jun 21 2003	12.5"	9mmT6	MF,MS,ELONG,*NUC,FAINT * NUC,F* JUST OUTSIDE OF GAL,R=F
<b>IC 1215</b>	<b>Dra</b>		<b>Galaxy SB?</b>
Jun 21 2003	12.5"	9mmT6	PF,MS,PATCH,UB,NND,MOD HISB,PAIRS=IC1216/IC1218,R=F
<b>IC 1216</b>	<b>Dra</b>		<b>Galaxy Scd:</b>
Jun 21 2003	12.5"	9mmT6	DIF,VF,PS,ELONG,PATCH,UB,NND,PAIRS=IC1215/IC1218,R=P
<b>IC 1218</b>	<b>Dra</b>		<b>Galaxy S?</b>
Jun 21 2003	12.5"	9mmT6	VF,MS,ELONG,UB,NND,PAIRS=IC1215/IC1216,R=F
<b>IC 1225</b>	<b>Dra</b>		<b>Galaxy SBb?</b>
Jun 22 2003	12.5"	9mmT6	VDIF,VF,MS,PATCH,UB,AV COMES AND GOES,R=P
<b>IC 1228</b>	<b>Dra</b>		<b>Galaxy (R')SB(s)ab</b>
Jun 24 2003	12.5"	9mmT6	PF,MS,PATCH,UB,NND,R=P
<b>IC 1229</b>	<b>Dra</b>		<b>Galaxy SB</b>
Mar 04 2006	31"	17mmT4	PF,PS,R,UB,NND,PAIRS=IC1230/PGC58901,R=F
<b>IC 1230</b>	<b>Her</b>		<b>Galaxy S</b>
Mar 04 2006	31"	17mmT4	MF,MS,OVAL,LARGE BNUC,SOMEWHAT HISB MIDDLE,PAIRS=IC1229/PGC58901,R=F
Jun 24 2003	12.5"	9mmT6	DIF,VF,VS,R,PATCH,UB,R=P
<b>IC 1231</b>	<b>Dra</b>		<b>Galaxy Scd:</b>
Jun 24 2003	12.5"	9mmT6	MB,ML,ELONG,UB,NND,R=F

# Circumpolar Observations

<b>IC</b>	<b>1235</b>	<b>Dra</b>		<b>Galaxy S?</b>
	Jun 24 2003	12.5"	9mmT6	MF,PS,OVAL,R,UB,SHISB,R=F
<b>IC</b>	<b>1237</b>	<b>Dra</b>		<b>Galaxy SB(s)c:</b>
	Jun 24 2003	12.5"	9mmT6	MF,PS,PATCH,UB,PAIR=PGC59287,R=F
<b>IC</b>	<b>1241</b>	<b>Dra</b>		<b>Galaxy Sc</b>
	Jun 21 2003	12.5"	9mmT6	MF,MS,OVAL,PATCH,UB,NND,R=F
<b>IC</b>	<b>1248</b>	<b>Dra</b>		<b>Galaxy SB(r)c</b>
	Jun 22 2003	12.5"	9mmT6	DIF,VF,PS,PATCH,UB,NND,R=P
<b>IC</b>	<b>1251</b>	<b>Dra</b>		<b>Galaxy Scd:</b>
	Jun 22 2003	12.5"	9mmT6	VDIF,VF,PS,PATCH,AV COMES AND GOES,PAIR=6340/IC1254,R=P
<b>IC</b>	<b>1254</b>	<b>Dra</b>		<b>Galaxy Sb? pec</b>
	Jun 22 2003	12.5"	9mmT6	EDIF,EF,PS,PATCH,AV COMES AND GOES,LOC GOOD,PAIR=6340/IC1251,R=P
<b>IC</b>	<b>1258</b>	<b>Dra</b>		<b>Galaxy Sab?</b>
	Jun 24 2003	12.5"	9mmT6	MB,MS,OVAL,PATCH,UB,NND,PAIRS=IC1259/PGC60325/PGC60332,R=G
<b>IC</b>	<b>1259</b>	<b>Dra</b>		<b>Galaxy S0 pec?</b>
	Jun 24 2003	12.5"	9mmT6	MB,MS,SHISB,VERY CLOSE COMP=PGC60325,OTHER PAIRS PRESENT,BRIGHTEST OF GROUP,R
<b>IC</b>	<b>1261</b>	<b>Dra</b>		<b>Galaxy E</b>
	Jun 23 2003	12.5"	9mmT6	DIF,VF,VS,PATCH,AV,ELONG,COMP ATTACHED=PGC60186,R=P
<b>IC</b>	<b>1267</b>	<b>Dra</b>		<b>Galaxy SBb</b>
	Jun 24 2003	12.5"	9mmT6	DIF,PF,MS,OVAL,PATCH,UB,R=P
<b>IC</b>	<b>1286</b>	<b>Dra</b>		<b>Galaxy Sab</b>
	Jun 24 2003	12.5"	9mmT6	DIF,PF,MS,PATCH,UB,NND,R=F
<b>IC</b>	<b>1502</b>	<b>Cep</b>		<b>Galaxy S0+</b>
	Jun 24 2003	12.5"	9mmT6	MF,PS,PATCH,*NUC,SHISB,2F*S ON EDGE OF GAL,SOMEWHAT BM,STELL NUC SUSP,R=F
<b>IC</b>	<b>2166</b>	<b>Lyn</b>		<b>Galaxy SAB(s)bc</b>
	Feb 17 2004	31"	17mmT4	MB,VL,OVAL,PATCH,VERY LARGE FNUC,F* OFF ONE SIDE,SLIGHTLY BM,R=G
<b>IC</b>	<b>2174</b>	<b>Cam</b>		<b>Galaxy SBa</b>
	Feb 01 2005	31"	17mmT4	MB,PL,ELONG,PATCH,LARGE FNUC,VF* IN NUC,R=F
	Jan 30 2005	31"	17mmT4	PF,MS,ELONG,PATCH,UB,NND,PAIR=2314,R=F
<b>IC</b>	<b>2179</b>	<b>Cam</b>		<b>Galaxy E1-2</b>
	Feb 01 2005	31"	17mmT4	VB,PL,R,LARGE BNUC,MOD HISB,GMBM,HISB MIDDLE,R=G
<b>IC</b>	<b>2184</b>	<b>Cam</b>		<b>Galaxy I?</b>
	Feb 01 2005	31"	17mmT4	MF,PL,PATCH,UB,NND,R=G
<b>IC</b>	<b>2209</b>	<b>Cam</b>		<b>Galaxy SB(rs)b:</b>
	Feb 01 2005	31"	17mmT4	DIF,PF,VL,OVAL,PATCH,UB,NND,PAIRS=2460/PGC22269,R=F

# Circumpolar Observations

<b>IC</b>	<b>2389</b>	<b>Cam</b>		<b>Galaxy SB(s)b?</b>
	Feb 04 2005	31"	17mmT4	PF,MS,ELONG,SMALL BNUC,MOD HISB MIDDLE,CENTRAL BULGE,PAIR=2636,R=G
<b>IC</b>	<b>2458</b>	<b>UMa</b>		<b>Galaxy I0 pec:</b>
	Apr 14 2004	31"	17mmT4	VF,MS,PATCH,UB,NND,OFF TIP OF NGC2820,PAIRS/2814/2820,R=P
	Jan 08 2003	12.5"	9mmT6	EEDIF,EF,ES,SUSP ONLY,PAIR/2814/2820
<b>IC</b>	<b>2574</b>	<b>UMa</b>		<b>Galaxy SAB(s)m</b>
	Feb 04 2005	31"	17mmT4	PF,PL,OVAL,SHISB,PATCHY AREA,H2 REGION,IRR IN SHAPE,PAIR=MAC,R=F
<b>IC</b>	<b>2600</b>	<b>UMa</b>		<b>Galaxy S</b>
	Feb 05 2005	31"	17mmT4	PF,MS,ELONG,PATCH,UB,NND,B* IN FOV,PAIRS=IC2601/MAC,R=F
<b>IC</b>	<b>2601</b>	<b>UMa</b>		<b>Galaxy S</b>
	Feb 05 2005	31"	17mmT4	PF,MS,OVAL,SMALL FNUC,SOMEWHAT BM,PAIRS=IC2600/MAC,R=F
<b>IC</b>	<b>2943</b>	<b>UMa</b>		<b>Galaxy Sa?</b>
	Apr 04 2005	31"	17mmT4	PB,ML,OVAL,LARGE FNUC,PAIR=3759,R=F
<b>IC</b>	<b>334</b>	<b>Cam</b>		<b>Galaxy S?</b>
	Jan 30 2003	12.5"	9mmT6	VB,VL,R,SNUC,MOD HISB,FACE ON,F* IN GAL.SMALL * NUC,R=E
<b>IC</b>	<b>342</b>	<b>Cam</b>		<b>Galaxy SAB(rs)cd</b>
	Jan 30 2003	12.5"	9mmT6	(CONT) REGIONS SUSP,R=E
	Jan 30 2003	12.5"	9mmT6	PB,EL,R,BNUC,SHISB,FACE ON,SPR STR SUSP,HALO OF ARMS,NUC R & BRT,HINT OF H2
<b>IC</b>	<b>356</b>	<b>Cam</b>		<b>Galaxy SA(s)ab pec</b>
	Jan 30 2003	12.5"	9mmT6	PB,VL,OVAL,FNUC,SMALL NUC,UB HALO,PAIR=PGC14531,R=G
<b>IC</b>	<b>381</b>	<b>Cam</b>		<b>Galaxy SAB(rs)bc</b>
	Jan 30 2005	31"	17mmT4	VB,VL,WELL PLACED IN 17MM,FIRST DSO OF 2005.100'S* SIMILAR MAG.BG GLOW,R=E
	Jan 30 2003	12.5"	9mmT6	DIF,MF,PL,OVAL,PATCH,UB,NND,F*IN GAL,R=F
<b>IC</b>	<b>391</b>	<b>Cam</b>		<b>Galaxy SA(s)c</b>
	Jan 30 2003	12.5"	9mmT6	DIF,PF,MS,PATCH,UB,NND,SHISB,R=F
<b>IC</b>	<b>396</b>	<b>Cam</b>		<b>Galaxy S?</b>
	Jan 30 2003	12.5"	9mmT6	PF,MS,R,FNUC,SMALL NUC,FACE ON,R=F
<b>IC</b>	<b>440</b>	<b>Cam</b>		<b>Galaxy SA(r)ab</b>
	Dec 15 2004	12.5"	12mmT4	PF,ML,OVAL,UB,NND,VF* OFF ONE EDGE,R=F
<b>IC</b>	<b>442</b>	<b>Cam</b>		<b>Galaxy S?</b>
	Dec 15 2004	12.5"	12mmT4	PF,MS,R,LARGE FNUC,R=F
<b>IC</b>	<b>445</b>	<b>Cam</b>		<b>Galaxy S0?</b>
	Jan 30 2005	31"	17mmT4	MF,MS,R,VSBRT NUC,SMBM,STELLAR NEC,BM,PAIR=PGC19335,R=F
<b>IC</b>	<b>4470</b>	<b>UMi</b>		<b>Galaxy S</b>
	Jun 01 2003	12.5"	9mmT6	VDIF,EF,VS,PATCH,AV HOLDS,PAIR=5712,R=P
<b>IC</b>	<b>449</b>	<b>Cam</b>		<b>Galaxy E:</b>
	Jan 30 2005	31"	17mmT4	MF,MS,ELONG,SBNUC,BMBM,R=G

# Circumpolar Observations

<b>IC 450</b>	<b>Cam</b>	<b>Galaxy SAB0+:</b>	
Jan 30 2005	31"	17mmT4	MF,PS,R,SMALL BNUC,OTHERS,R=F
<b>IC 451</b>	<b>Cam</b>	<b>Galaxy SAB(r)b:</b>	
Jan 30 2005	31"	17mmT4	PF,MS,ELONG,SMALL FNUC,OTHERS,R=F
<b>IC 455</b>	<b>Cep</b>	<b>Galaxy S0</b>	
Sep 06 2002	12.5"	9mmT6	VDIF,VF,VS,OVAL PATCH,UB,PAIR/2276/2300
<b>IC 458</b>	<b>Lyn</b>	<b>Galaxy S0-:</b>	
Feb 01 2005	31"	17mmT4	PB,MS,R,BNUC,HISB MIDDLE,GMBM,NGC2340 CLUSTER,R=G
Jan 30 2005	31"	17mmT4	PB,MS,R,BNUC,GMBM,NGC2340 CLUSTER,R=G
<b>IC 459</b>	<b>Lyn</b>	<b>Galaxy C</b>	
Feb 01 2005	31"	17mmT4	PF,PS,OVAL,UB,NND,NGC2340 CLUSTER,R=F
<b>IC 460</b>	<b>Lyn</b>	<b>Galaxy</b>	
Feb 01 2005	31"	17mmT4	PF,MS,OVAL,SMALL BNUC,NGC2340 CLUSTER,R=F
<b>IC 461</b>	<b>Lyn</b>	<b>Galaxy S</b>	
Feb 01 2005	31"	17mmT4	PF,MS,ELONG,LARGE FNUC,NGC2340 CLUSTER,R=F
<b>IC 464</b>	<b>Lyn</b>	<b>Galaxy E?</b>	
Feb 01 2005	31"	17mmT4	PB,MS,ELONG,LARGE FNUC,MOD HISB,NGC2340 CLUSTER,R=G
<b>IC 4649</b>	<b>Dra</b>	<b>Galaxy Sa-b</b>	
Mar 04 2006	31"	17mmT4	MF,PL,PATCH,UB,NND,SHISB,F* BOTH ENDS,PAIRS=6345/6338/OTHERS,R=G
Jun 22 2003	12.5"	9mmT6	EDIF,EF,VS,PATCH,AV,SUSP,FAINT GLOW BETWEEN 2F*S,CLUSTER 5 OF 5,R=P
<b>IC 465</b>	<b>Lyn</b>	<b>Galaxy S?</b>	
Feb 01 2005	31"	17mmT4	MB,MS,OVAL,SMALL FNUC,SMBM,STELLAR LIKE NUC,NGC2340 CLUSTER,R=F
<b>IC 4660</b>	<b>UMi</b>	<b>Galaxy S</b>	
Jun 23 2003	12.5"	9mmT6	VDIF,VF,PS,PATCH,NND,AV,R=P
<b>IC 4669</b>	<b>Dra</b>	<b>Galaxy SB(s)b</b>	
Jun 25 2003	12.5"	9mmT6	DIF,VF,PS,PATCH,UB,NND,R=P
Jun 25 2003	12.5"	9mmT6	DIF,VF,PS,PATCH,NND,AV,R=P
<b>IC 467</b>	<b>Cam</b>	<b>Galaxy SAB(s)c:</b>	
Feb 01 2005	31"	17mmT4	VF,VL,OVAL,PATCH,NND,2 F* IN GAL,PATCHY AREAS OR KNOTS DET,R=G
<b>IC 469</b>	<b>Cep</b>	<b>Galaxy SAB(rs)ab:</b>	
Sep 06 2002	12.5"	9mmT6	DIF,PF,PS,OVAL PATCH,UB,LOC INSIDE OF A BOX OF *S
<b>IC 4708</b>	<b>Dra</b>	<b>Galaxy C</b>	
Jun 24 2003	12.5"	9mmT6	VF,VS,R,UB,VERY CLOSE TO A F*,R=P
<b>IC 4763</b>	<b>Dra</b>	<b>Galaxy S?</b>	
Jun 22 2003	12.5"	9mmT6	DIF,MF,PL,ELONG,NND,PAIR=6677/6679,R=F
Jun 01 2003	12.5"	9mmT6	VDIF,VF,VS,ELONG,UB,NND,PAIR/6677/6676,R=P

# Circumpolar Observations

<b>IC 4867</b>	<b>Cyg</b>		<b>Galaxy S0</b>
May 16 2004	31"	17mmT4	MF,MS,OVAL,SMALL BNUC,PAIRS=6783/OTHERS,R=G
Jun 21 2003	12.5"	9mmT6	MB,PS,R,BNUC,MOD HISB,LARGE BRT NUC,GBMB,COMP=PGC63211,R=G
<b>IC 499</b>	<b>Cam</b>		<b>Galaxy Sa</b>
Sep 06 2002	12.5"	9mmT6	DIF,MF,PL,ELONG,SBM,OVAL,LARGE NUC AREA
<b>IC 511</b>	<b>Cam</b>		<b>Galaxy S0/a:</b>
Feb 01 2005	31"	17mmT4	MF,MS,ELONG,SMALL BNUC,MOD HISB,SMALL R NUC,GBM,R=G
<b>IC 512</b>	<b>Cam</b>		<b>Galaxy SAB(s)cd</b>
Mar 06 2003	12.5"	9mmT6	VDIF,VF,PL,OVAL,R,PATCH,UB,PAIR=PGC25240,R=F
Sep 06 2002	12.5"	9mmT6	VDIF,VF,PL,OVAL PATCH,UB,NND
<b>IC 520</b>	<b>Cam</b>		<b>Galaxy SAB(rs)ab?</b>
Feb 04 2005	31"	17mmT4	PB,ML,R,SMALL BNUC,MOD HISB,PAIR=PGC24978,R=G
<b>IC 522</b>	<b>UMa</b>		<b>Galaxy S0</b>
Feb 04 2005	31"	17mmT4	MB,PS,R,LARGE BNUC,SHISB,R=G
<b>IC 529</b>	<b>Cam</b>		<b>Galaxy SA(s)c:</b>
Mar 26 2003	12.5"	9mmT6	DIF,PF,EL,OVAL,PATCH,UB,NND,SHISB,LARGE FACE ON,R=G
<b>IC 644</b>	<b>UMa</b>		<b>Galaxy S</b> <b>EEF,PS,1E,B*SF,SP OF 2</b>
Feb 05 2005	31"	17mmT4	MB,ML,EDGE ON,SMALL FNUC,F* ON TIP,SHISB MIDDLE,GBM,PAIR=3398/OTHERS,R=G
<b>IC 691</b>	<b>UMa</b>		<b>Galaxy I?</b>
Apr 03 2005	31"	17mmT4	PF,VS,R,SMALL FNUC,R=F
<b>IC 694</b>	<b>UMa</b>		<b>Galaxy SBm? pec</b>
Apr 07 2008	31"	17mmT4	VF,PL,R,LARGE BNUC,HISB MIDDLE,PAIRS=3690/PGC35345,R=G
Apr 03 2005	31"	17mmT4	PB,MS,ELONG,SMALL BNUC,HISB MIDDLE,INTERACTING=3690,PAIRS=PGC/MAC,R=G
Mar 15 1985	12.5"	16mm	INTERACTING WITH 3690
<b>IC 705</b>	<b>UMa</b>		<b>Galaxy C</b>
Apr 03 2005	31"	17mmT4	MF,PS,R,SMALL BNUC,R=F
<b>IC 758</b>	<b>UMa</b>		<b>Galaxy SB(rs)cd:</b>
Mar 06 2003	12.5"	9mmT6	EDIF,EF,MS,PATCH,AV ONLY,COMES AND GOES,LOCATION GOOD,R=P
<b>IC 801</b>	<b>CVn</b>		<b>Galaxy Sa?</b>
Mar 04 2006	31"	17mmT4	MF,MS,R,LARGE BNUC,MOD HISB,BM,R=G
<b>IC 830</b>	<b>UMa</b>		<b>Galaxy S?</b>
Mar 26 2006	31"	17mmT4	MB,MS,OVAL,LARGE BNUC,GMBM,MOD HISB MIDDLE,R=G
<b>IC 836</b>	<b>Dra</b>		<b>Galaxy S</b>
Feb 23 2006	31"	17mmT4	MF,MS,ELONG,SMALL FNUC,F* OFF NUC,* OFF TIP,SOMEWHAT HISB,TAPPED ENDS,R=G
<b>IC 852</b>	<b>UMa</b>		<b>Galaxy S0-:</b>
Apr 14 2004	31"	17mmT4	PF,PS,OVAL,LARGE FNUC,R=F

# Circumpolar Observations

<b>IC 853</b>	<b>UMa</b>		<b>Galaxy (R')SAB(s)ab</b>	
Apr 14 2004	31"	17mmT4	DIF,MF,PL,PATCH,UB,NND,R=F	
<b>IC 875</b>	<b>UMa</b>		<b>Galaxy S0</b>	
Apr 14 2004	31"	17mmT4	MF,MS,OVAL,SMALL BNUC,SBM,R=F	
<b>IC 907</b>	<b>UMa</b>		<b>Galaxy SB?b</b>	
Apr 03 2005	31"	17mmT4	PF,MS,EDGE ON,VERY SMALL FNUC,R=F	
<b>IC 922</b>	<b>UMa</b>		<b>Galaxy</b>	
Apr 03 2005	31"	17mmT4	PF,VS,PATCH,UB,NND,PAIRS=MAC'S,ABELL 1783,R=P	
<b>IC 942</b>	<b>UMa</b>		<b>Galaxy E/S0</b>	
Apr 03 2005	31"	17mmT4	PF,MS,LARGE FNUC,R=F	
<b>IC 945</b>	<b>UMi</b>		<b>Galaxy S</b>	
Feb 05 2005	31"	17mmT4	EF,VS,PATCH,UB,AV,PAIR=PGC48867,R=P	
<b>IC 951</b>	<b>UMa</b>		<b>Galaxy Sd</b>	
Apr 03 2005	31"	17mmT4	PF,ML,OVAL,PATCH,UB,NND,R=F	
<b>IC 954</b>	<b>UMi</b>		<b>Galaxy Pec</b>	
May 16 2004	31"	17mmT4	PF,PS,OVAL.PATCH,VERY FNUC,F* OFF EDGE,R=F	
<b>IC 995</b>	<b>UMa</b>		<b>Galaxy Sdm:</b>	
Jun 01 2003	12.5"	9mmT6	EDIF,EF,ES,AV,SUSP,R=P	
Mar 06 2003	12.5"	9mmT6	EDIF,EF,VS,AV AFTER A WHILE,R=P	
<b>IC 996</b>	<b>UMa</b>		<b>Galaxy Sbc</b>	
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	
<b>NGC 1184</b>	<b>Cep</b>		<b>H704-2 Galaxy S0/a</b>	<b>F,PL,ME</b>
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	
<b>NGC 1343</b>	<b>Cas</b>		<b>H694-3 Galaxy SAB(s)b: pec</b>	<b>F,VS,IR,GBM,D*V NR</b>
Jan 30 2003	12.5"	9mmT6	MB,PL,R,FNUC,S HISB,F* OFF TO ONE SIDE,FACE ON,R=G	
<b>NGC 1469</b>	<b>Cam</b>		<b>Galaxy SA0-:</b>	<b>VF,VS,R,B*NR</b>
Jan 30 2003	12.5"	9mmT6	VF,PL,OVAL,BNUC,HISB,GMBM,LARGE BRT NUC,R=E	
<b>NGC 1485</b>	<b>Cam</b>		<b>Galaxy SAB? sp</b>	<b>EF,PS,R</b>
Jan 30 2003	12.5"	9mmT6	PF,VL,OVAL,UB,NND,HINT OF * NUC SUSP,R=F	
<b>NGC 1530</b>	<b>Cam</b>		<b>Galaxy SB(rs)b</b>	<b>PB,L</b>
Jan 30 2003	12.5"	9mmT6	DIF,PF,PL,OVAL,UB,* NUC SUSP,R=F	
<b>NGC 1544</b>	<b>Cep</b>		<b>Galaxy S?</b>	<b>VF,VS</b>
Jan 30 2003	12.5"	9mmT6	PF,MS,OVAL,PATCH,FNUC,2F*S BOTH SIDES,F*IN GAL,SMALL NUC,SBM,R=F	
<b>NGC 1560</b>	<b>Cam</b>		<b>Galaxy SA(s)d sp</b>	<b>VF,L,E,*9.3SP</b>
Jan 30 2003	12.5"	9mmT6	MF,PL,OVAL,PATCH,UB,NND,F* IN GAL,R=F	

# Circumpolar Observations

<b>NGC 1569</b>	<b>Cam</b>	<b>H768-2</b>	<b>Galaxy IBm</b>	<b>PB,S,LE,BNM,*9.5N1'</b>
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		
<b>NGC 1573</b>	<b>Cam</b>		<b>Galaxy E</b>	<b>VF,S,*9.5F</b>
Feb 21 2006	31"	17mmT4	PB,ML,OVAL,R,LARGE BNUC,MUCH BM,HISB MIDDLE,PAIRS=PGC'S,R=G	
Jan 30 2003	12.5"	9mmT6	PB,ML,OVAL,BNUC,SHISB,LARGE NUC REGION,PAIR/PGC15548,R=G	
<b>NGC 1961</b>	<b>Cam</b>	<b>H747-3</b>	<b>Galaxy SAB(rs)c</b>	<b>CF,PL,IF,MBM,ER,*INV</b>
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		
<b>NGC 2128</b>	<b>Cam</b>		<b>Galaxy S0-</b>	<b>VF,VS,VLE</b>
Dec 15 2004	12.5"	12mmT4	PF,MS,R,LARGE FNUC,SOMEWHAT HISB,R=F	
<b>NGC 2146</b>	<b>Cam</b>		<b>Galaxy SB(s)ab pec</b>	<b>PB,2'L,LE</b>
Nov 24 2003	31"	17mmT4	PB,EL,OVAL,SMALL BNUC,LARGE DIFF ARMS,DUST LANE DET ONE SIDE OF NUC,R=E	
Oct 03 1981	12.5"	16mm	DIF,MB,PL,ELONG,3*S SE OF GAL,PATCHY,BRIGHTNESS VARIES,NND,OVAL SHAPE	
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	
<b>NGC 2146A</b>	<b>Cam</b>		<b>Galaxy SAB(s)c:</b>	
Dec 15 2004	12.5"	12mmT4	VDIF,VF,ML,PATCH,NND,R=P	
<b>NGC 2208</b>	<b>Aur</b>		<b>Galaxy S0:</b>	<b>PF,PS,LE</b>
Dec 20 2003	31"	25mm	PB,ML,ELONG,LARGE BNUC,HISB MIDDLE,R=G	
<b>NGC 2256</b>	<b>Cam</b>		<b>Galaxy SAB0-?</b>	<b>F,R,*9.5 3'SF</b>
Jan 30 2005	31"	17mmT4	MB,ML,ELONG,LARGE FNUC,SOFT MIDDLE,PAIRS=MAC,R=G	
<b>NGC 2258</b>	<b>Cam</b>		<b>Galaxy SA(r)0^</b>	<b>F,2*10,11F</b>
Jan 30 2005	31"	17mmT4	VB,PL,ELONG,LARGE FNUC,MOD HISB MIDDLE,VF* OR COMP OFF ONE EDGE,OTHERS,R=G	
<b>NGC 2268</b>	<b>Cam</b>		<b>Galaxy SAB(r)bc</b>	<b>PF,PL,LE</b>
Sep 06 2002	12.5"	9mmT6	DIF,MF,PL,IRR IN SHAPE,ONE SIDE THICKER,NND,UB,S HISB,VF* IN EDGE OF GAL	
Oct 03 1981	12.5"	16mm	EDIF,MF,PL,ELONG,SOMEWHAT BM,OVAL,NNS	
Sep 18 1980	12.5"	24mm		
<b>NGC 2273</b>	<b>Lyn</b>		<b>Galaxy SB(r)a:</b>	<b>F,S,IR,(R)</b>
Feb 17 2004	31"	17mmT4	PB,ML,OVAL,SMALL BNUC,HISB MIDDLE,SPR STR SUSP,FACE ON,SUDDENDLY MBM,R=E	
<b>NGC 2273B</b>	<b>Lyn</b>		<b>Galaxy SB(rs)cd:</b>	
Feb 17 2004	31"	17mmT4	DIF,VF,VL,OVAL,PATCH,NND,BRT * ON EDGE,SOMEWHAT HISB THROUGHOUT,R=F	
<b>NGC 2276</b>	<b>Cep</b>		<b>Galaxy SAB(rs)c</b>	<b>F,60",LBM</b>
Sep 06 2002	12.5"	9mmT6	DIF,PF,VL,OVAL,UB,NND,CLOSE TO B*,PAIR/2300/IC455	
<b>NGC 2300</b>	<b>Cep</b>		<b>Galaxy SA0^</b>	<b>PB,PL,LE,BM</b>
Sep 06 2002	12.5"	9mmT6	VB,PL,R,MOD HISB,BM,PAIR/2276/IC455	

# Circumpolar Observations

<b>NGC 2314</b>	<b>Cam</b>		<b>Galaxy E3</b>	<b>VF,S,R</b>
Feb 01 2005	31"	17mmT4	PB,PL,ELONG,LARGE BNUC,HISB,R=G	
Jan 30 2005	31"	17mmT4	PB,ML,R,LARGE BNUC,HISB MIDDLE,PAIR=IC2174,R=G	
Sep 18 1980	12.5"	24mm		
<b>NGC 2315</b>	<b>Lyn</b>		<b>Galaxy S0/a</b>	<b>EF</b>
Feb 17 2004	31"	17mmT4	PB,ML,EDGE ON,LARGE BNUC,HISB MIDDLE,PAIRS=PGC20054/MAC,R=G	
<b>NGC 2320</b>	<b>Lyn</b>		<b>H861-2 Galaxy E</b>	<b>PB,S,IR,GBM,*8SP</b>
Feb 17 2004	31"	17mmT4	MF,PL,OVAL,LARGE BNUC,HISB MIDDLE,GMBM,PAIR=2322,R=G	
<b>NGC 2321</b>	<b>Lyn</b>		<b>Galaxy SBa</b>	<b>VF,12'N OF2320</b>
Feb 17 2004	31"	17mmT4	MF,PL,ELONG,LARGE FNUC,R=F	
<b>NGC 2322</b>	<b>Lyn</b>		<b>H874-3 Galaxy SBa:</b>	<b>VF,VS,LE</b>
Feb 17 2004	31"	17mmT4	MB,ML,ELONG,LARGE BNUC,MOD HISB MIDDLE,PAIR=2320,R=F	
<b>NGC 2326</b>	<b>Lyn</b>		<b>H734-2 Galaxy SB(rs)b</b>	<b>VF,PL,IR,PSMBM,ST P</b>
Feb 17 2004	31"	17mmT4	PF,PL,OVAL,LARGE FNUC,SLIGHTLY BM,PAIR=2326A,R=F	
<b>NGC 2326A</b>	<b>Lyn</b>		<b>Galaxy SA(s)m:</b>	
Feb 17 2004	31"	17mmT4	PF,MS,PATCH,UB,NND,PAIR=2326,R=P	
<b>NGC 2330</b>	<b>Lyn</b>		<b>Galaxy E</b>	<b>VF,VS,VSTELLAR</b>
Jan 30 2005	31"	17mmT4	MF,VS,R,SMALL BNUC,PAIR=2332,R=F	
<b>NGC 2332</b>	<b>Lyn</b>		<b>H862-2 Galaxy S0:</b>	<b>F,S,R,PSBM</b>
Jan 30 2005	31"	17mmT4	MF,MS,ELONG,LARGE BNUC,MOD HISB,PAIR=2330,R=G	
<b>NGC 2336</b>	<b>Cam</b>		<b>Galaxy SAB(r)bc</b>	<b>PB,PL,R,2*11NR</b>
Dec 21 1981	12.5"	16mm	EDIF,MF,PL,R,SBM,PATCHY,LOW SURFACE BRT	
Sep 18 1980	12.5"	24mm		
<b>NGC 2340</b>	<b>Lyn</b>		<b>H736-2 Galaxy E</b>	<b>PF,S,R,GLBM,R</b>
Feb 01 2005	31"	17mmT4	MF,ML,ELONG.LARGE FNUC,MOD HISB MIDDLE,NGC2340 CLUSTER,R=G	
Jan 30 2005	31"	17mmT4	MB,VL,ELONG,PATCH,UB,NND,NGC2340 CLUSTER,R=G	
<b>NGC 2347</b>	<b>Cam</b>		<b>H746-3 Galaxy (R')SA(r)b:</b>	<b>VF,S,R,LBM</b>
Feb 01 2005	31"	17mmT4	PB,VL,OVAL,LARGE FNUC,SOFT GLOW,R=G	
Sep 18 1980	12.5"	24mm		
<b>NGC 2363</b>	<b>Cam</b>		<b>Galaxy Irr</b>	<b>NEB* OR VFVS,2366SF</b>
Feb 01 2005	31"	17mmT4	VF,VS,OVAL,SMALL FNUC,SOMEWHAT BM,COMP=2366,R=P	
<b>NGC 2366</b>	<b>Cam</b>		<b>H748-3 Galaxy Irr</b>	<b>VF,PL,MBM,CVEDTAILS</b>
Feb 01 2005	31"	17mmT4	MF,EL,SMALL BNUC,IRR,FARM'S OFF ONE SIDE,2 NUC DET,SMALL B,SMALL F,COMP=2363,R=F	
Dec 21 1981	12.5"	24mm	EDIF,EF,ML,ELONG,SMALL BNUC	
Sep 18 1980	12.5"	24mm		

# Circumpolar Observations

<b>NGC 2403</b>	<b>Cam</b>		<b>H44-5</b>	<b>Galaxy Sc</b>	<b>CB,EL,VME,VGMBMN</b>
Dec 21 1981	12.5"	16mm		SPR STR DET, BEAUTIFUL!!!	
Dec 21 1981	12.5"	24mm		PB, PL, HISB, SMALL BNUC, LARGE OVAL PATCH, SOME STR SUSP, B*S IN GAL	
Sep 18 1980	12.5"	24mm		2*S IN GAL PRESENT	
<b>NGC 2426</b>	<b>Lyn</b>		<b>H822-2</b>	<b>Galaxy E</b>	<b>CF,R,VGBM,R,*8P</b>
Feb 01 2005	31"	17mmT4		VB, ML, R, BNUC, HISB, GMB, BRT CORE WELL DEFINED, PAIRS=2429/2429B, R=E	
<b>NGC 2429</b>	<b>Lyn</b>			<b>Galaxy S?</b>	<b>PF,PS,VME,*12ATT</b>
Feb 01 2005	31"	17mmT4		MB, MS, EDGE ON, SMALL FNUC, MOD HISB, INTERACTING=2429B, * IN TIP, BROKEN AREAS, R=G	
<b>NGC 2429B</b>	<b>Lyn</b>			<b>Galaxy Sbc</b>	
Feb 01 2005	31"	17mmT4		EF, VS, INTERACTING=2429, PATCH, AV, R=P	
<b>NGC 2431</b>	<b>Lyn</b>		<b>H829-3</b>	<b>Galaxy (R')SB(s)a:</b>	<b>EF,VS,R,BM</b>
Feb 01 2005	31"	17mmT4		MF, MS, R, SMALL FNUC, GRAD BM, SOMEWHAT HISB MIDDLE, R=F	
<b>NGC 2441</b>	<b>Cam</b>			<b>Galaxy SAB(r)b:</b>	<b>VF,PS</b>
Feb 01 2005	31"	17mmT4		DIF, PF, EL, PATCH, UB, NND, PATCHY, SOME STR SUSP, R=G	
Sep 18 1980	12.5"	24mm			
<b>NGC 2446</b>	<b>Lyn</b>			<b>Galaxy Sb</b>	<b>F,AM4*</b>
Feb 01 2005	31"	17mmT4		MF, MS, ELONG, SMALL BNUC, MOD HISB, SMBM, 2*S BOTH SIDES, KNOTS, PATCHY AREAS, MAC, R=	
<b>NGC 2456</b>	<b>Lyn</b>			<b>Galaxy E</b>	<b>VF,R,VGBM</b>
Feb 01 2005	31"	17mmT4		MF, PL, R, LARGE FNUC, LARGE SOFT NUC, R=G	
<b>NGC 2457</b>	<b>Lyn</b>			<b>Galaxy Sbc</b>	<b>F,PL,R,2456SP</b>
Feb 01 2005	31"	17mmT4		VF, PS, OVAL, PATCH, UB, NND, PAIRS=PGC22161/PGC22172, R=P	
<b>NGC 2458</b>	<b>Lyn</b>			<b>Galaxy</b>	<b>VF,*12CLOSE</b>
Feb 01 2005	31"	17mmT4		MF, PS, OVAL, PATCH, UB, NND, PAIRS=2461/MAC, R=F	
<b>NGC 2460</b>	<b>Cam</b>			<b>Galaxy SA(s)a</b>	<b>F,S,R,S*CENTRE</b>
Feb 01 2005	31"	17mmT4		VB, VL, R, LARGE BNUC, GMBM, HISB, PAIRS=IC2209/PGC22269, R=E	
Sep 18 1980	12.5"	24mm			
<b>NGC 2461</b>	<b>Lyn</b>			<b>Galaxy E/S0</b>	<b>*13SLIGHTLYNEBULOUS</b>
Feb 01 2005	31"	17mmT4		PF, PS, OVAL, PATCH, UB, NND, PAIRS=2458/MAC, R=F	
Feb 17 2004	31"	17mmT4		PF, PS, OVAL, SMALL NUC, SLIGHTLY BM, PAIR=2458, R=F	
<b>NGC 2462</b>	<b>Lyn</b>			<b>Galaxy</b>	<b>VF,VS,VLBM</b>
Feb 17 2004	31"	17mmT4		MF, PS, OVAL, LARGE FNUC, SBM, PAIR=2463, R=F	
<b>NGC 2463</b>	<b>Lyn</b>			<b>Galaxy</b>	<b>EF,R</b>
Feb 17 2004	31"	17mmT4		MF, PS, OVAL, LARGE BNUC, SMBM, SOMEWHAT HISB MIDDLE, PAIR=2462, R=F	
<b>NGC 2468</b>	<b>Lyn</b>			<b>Galaxy SA0:</b>	<b>F,R,BM</b>
Feb 17 2004	31"	17mmT4		MF, MS, ELONG, LARGE NUC, INTERACTING=MAC, SHISB MIDDLE, R=F	

# Circumpolar Observations

<b>NGC 2469</b>	<b>Lyn</b>		<b>H836-3</b>	<b>Galaxy Sbc pec:</b>	<b>F,VS,R,*9SF</b>
Feb 01 2005	31"	17mmT4		MB,PL,OVAL,LARGE FNUC,MOD HISB,PAIR=2473,R=G	
Feb 17 2004	31"	17mmT4		MB,MS,OVAL,HISB MIDDLE,LARGE BNUC AREA THAT IS ELONGATED,BAR?,R=G	
<b>NGC 2472</b>	<b>Lyn</b>			<b>Galaxy Sb</b>	<b>2OF10NEB IN LINE</b>
Feb 01 2005	31"	17mmT4		PF,MS,OVAL,PATCH,UB,NND,PAIR=2469,R=F	
Feb 17 2004	31"	17mmT4		MF,PS,OVAL,PATCH,UB,NND,R=F	
<b>NGC 2474</b>	<b>Lyn</b>		<b>H830-3</b>	<b>Galaxy E0</b>	<b>F,PS,(E),(BMVS*)L*NF</b>
Feb 17 2004	31"	17mmT4		MB,PS,OVAL,SMALL BNUC,COMP=2474,MOD HISB MIDDLE,R=G	
<b>NGC 2475</b>	<b>Lyn</b>			<b>Galaxy E1</b>	<b>DNEB W/2474</b>
Feb 17 2004	31"	17mmT4		MB,MS,OVAL,LARGE BNUC,COMP=2474,HISB MIDDLE,R=G	
<b>NGC 2488</b>	<b>Lyn</b>		<b>H837-3</b>	<b>Galaxy S0-:</b>	<b>VF,VS,R,GLBM</b>
Feb 17 2004	31"	17mmT4		MB,ML,OVAL,LARGE BNUC,MOD HISB MIDDLE,PAIR=PGC22533,R=G	
<b>NGC 2497</b>	<b>Lyn</b>		<b>H838-3</b>	<b>Galaxy E?</b>	<b>EF,VS</b>
Feb 17 2004	31"	17mmT4		MB,ML,LARGE BNUC,MOD HISB MIDDLE,4 OTHERS PRESENT,R=G	
<b>NGC 2500</b>	<b>Lyn</b>		<b>H709-3</b>	<b>Galaxy SB(rs)d</b>	<b>F,L,R,VGBM,R,AM ST</b>
Jan 08 2003	12.5"	9mmT6		MB,VL,FARMS,STELL NUC,F* IN EDGE OF ARM,R-OVAL,SPR STR SUSP	
<b>NGC 2505</b>	<b>Lyn</b>		<b>H839-3</b>	<b>Galaxy SBa</b>	<b>EF,VS</b>
Feb 17 2004	31"	17mmT4		MF,ML,OVAL,SMALL FNUC,FAINT HALO OF ARMS,R=F	
<b>NGC 2518</b>	<b>Lyn</b>			<b>Galaxy E-S0</b>	<b>2NEB,F,L,R,GBM</b>
Feb 01 2005	31"	17mmT4		MF,MS,SMALL BNUC,SOMEWHAT HISB MIDDLE,PAIR=MAC,R=F	
<b>NGC 2521</b>	<b>Lyn</b>			<b>Galaxy SA0- pec?</b>	<b>PF,PL,R,PSBM,*9NP3'</b>
Feb 01 2005	31"	17mmT4		MB,MS,OVAL,LARGE BNUC,BMBM,MOD HISB,PAIRS=PGC'S,R=G	
<b>NGC 2523</b>	<b>Cam</b>			<b>Galaxy SB(r)bc</b>	<b>PB,PL,LE,LBM,*NR</b>
Feb 01 2005	31"	17mmT4		VF,VL,ELONG,LARGE BNUC,MOD HISB,BRT BAR LIKE NUC,GMBM,HALO AROUND BAR,R=G	
Sep 18 1980	12.5"	24mm			
<b>NGC 2523A</b>	<b>Cam</b>			<b>Galaxy SB(s)c:</b>	
Feb 01 2005	31"	17mmT4		PF,ML,OVAL,PATCH,UB,NND,PATCHY AREAS,R=F	
<b>NGC 2523B</b>	<b>Cam</b>			<b>Galaxy SA(s)b: sp</b>	
Feb 01 2005	31"	17mmT4		MF,PS,EDGE ON,SMALL FNUC,F* IN NUC,CENTRAL BULGE,R=F	
<b>NGC 2523C</b>	<b>Cam</b>			<b>Galaxy E?</b>	
Feb 01 2005	31"	17mmT4		PF,PS,OVAL,SMALL FNUC,R=F	
<b>NGC 2534</b>	<b>Lyn</b>		<b>H840-3</b>	<b>Galaxy E1? pec</b>	<b>PF,PL,R,PSBM,*8S</b>
Feb 01 2005	31"	17mmT4		MB,MS,LARGE BNUC,SHISB MIDDLE,HALO AROUND NUC,R=G	
<b>NGC 2544</b>	<b>Cam</b>			<b>Galaxy SB(s)a:</b>	<b>EEF,PS,R,SEVB*AROUND</b>
Feb 01 2005	31"	17mmT4		MB,MS,OVAL,LARGE BNUC,MOD HISB MIDDLE,PAIR=PGC23462,R=F	
<b>NGC 2549</b>	<b>Lyn</b>			<b>Galaxy SA(r)0^ sp</b>	<b>PB,S,ME0,PSMBM</b>
Feb 17 2004	31"	17mmT4		PB,PL,ELONG,VERY BNUC,MHISB,HISB MIDDLE,LARGE HALO OF ARMS,PAIR=MAC,R=E	

# Circumpolar Observations

<b>NGC 2550</b>	<b>Cam</b>		<b>Galaxy Sb:</b>	<b>EEF,PS,CE</b>
Feb 01 2005	31"	17mmT4	MB,MS,ELONG,UB,NND,MOD HISB,F* ON TIP,R=G	
<b>NGC 2550A</b>	<b>Cam</b>		<b>Galaxy Sc</b>	
Feb 01 2005	31"	17mmT4	MB,PL,OVVAL,PATCH,UB,NND,MOD HISB,F* ON EDGE,PAIR=PGC23732,R=G	
<b>NGC 2551</b>	<b>Cam</b>		<b>Galaxy SA(s)0/a</b>	<b>VF,S,F*IN CENTRE</b>
Sep 18 1980	12.5"	24mm		
<b>NGC 2552</b>	<b>Lyn</b>		<b>H711-3 Galaxy SA(s)m?</b>	<b>EF,CL,LE45</b>
Feb 01 2005	31"	17mmT4	DIF,VF,EL,PATCH,UB,BROKEN PATCHES,SEVERAL F*S IN GAL,R=F	
<b>NGC 2591</b>	<b>Cam</b>		<b>Galaxy Scd: sp</b>	<b>F,S,E,LBM</b>
Feb 01 2005	31"	17mmT4	MB,ML,EDGE ON,UB,NND,SHISB,CENTRAL BULGE,F* OFF ONE TIP,R=G	
<b>NGC 2600</b>	<b>UMa</b>		<b>Galaxy Sb</b>	<b>NO DESCRIP</b>
Oct 25 2006	31"	17mmT4	PF,MS,ELONG,PATCH,UB,NND,R=F	
Feb 01 2005	31"	17mmT4	PF,PS,EDGE ON,PATCH,UB,NND,R=F	
<b>NGC 2602</b>	<b>UMa</b>		<b>Galaxy</b>	<b>EF,S,R,*P</b>
Oct 25 2006	31"	17mmT4	PF,PS,OVVAL,PATCH,UB,NND,PAIRS=2606/MAC,R=F	
Feb 01 2005	31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=2603/MAC,R=F	
<b>NGC 2603</b>	<b>UMa</b>		<b>Galaxy S</b>	<b>EF,VS,</b>
Feb 01 2005	31"	17mmT4	MF,MS,OVVAL,PATCH,LARGE FNUC,PAIRS=2602/MAC,R=F	
<b>NGC 2614</b>	<b>UMa</b>		<b>Galaxy SA(r)c:</b>	<b>EF,PS,R</b>
Feb 01 2005	31"	17mmT4	VDIF,VF,VL,OVVAL,PATCH,UB,NND,F* IN EDGE,R=P	
<b>NGC 2629</b>	<b>UMa</b>		<b>H982-3 Galaxy SA(r)0^:</b>	<b>VF,S,STELLAR</b>
Feb 01 2005	31"	17mmT4	MB,MS,R,LARGE BNUC,HISB,PAIR=2641,R=G	
<b>NGC 2630</b>	<b>UMa</b>		<b>Galaxy Sbc</b>	<b>2VF,VS,V NR 2629</b>
Feb 01 2005	31"	17mmT4	PF,MS,ELONG,PATCH,UB,NND,R=F	
<b>NGC 2633</b>	<b>Cam</b>		<b>Galaxy SB(s)b</b>	<b>F,S,LE</b>
Feb 04 2005	31"	17mmT4	PB,ML,ELONG,LARGE BNUC,SHISB,B* IN NUC,GMBM,NGC2633 GROUP,R=F	
Sep 18 1980	12.5"	24mm		
<b>NGC 2634</b>	<b>Cam</b>		<b>Galaxy E1:</b>	<b>F,S,LE</b>
Feb 04 2005	31"	17mmT4	PB,ML,R,LARGE BNUC,GMBM,SHISB,NGC2633 GROUP,R=G	
<b>NGC 2634A</b>	<b>Cam</b>		<b>Galaxy SB(s)bc? sp</b>	
Feb 04 2005	31"	17mmT4	MF,ML,EDGE ON,UB,NND,NGC2633 GROUP,R=F	
<b>NGC 2636</b>	<b>Cam</b>		<b>Galaxy E0:</b>	<b>VF,S,2*11,12 F</b>
Feb 04 2005	31"	17mmT4	MF,MS,R,SMALL BNUC,SOMEWHAT HISB MIDDLE,PAIR=IC2389,R=G	
<b>NGC 2639</b>	<b>UMa</b>		<b>H204-1 Galaxy (R)SA(r)a:?</b>	<b>CB,S,E130,PSMBM</b>
Mar 15 1985	12.5"	16mm	PF,PS,ELONG,SBM,NO *S,FORMS TRI WITH 2 OTHER *S	
Dec 03 1980	12.5"	24mm		

# Circumpolar Observations

<b>NGC 2641</b>	<b>UMa</b>		<b>H983-3</b>	<b>Galaxy S0:</b>	<b>VF,S,STELLAR</b>
Feb 01 2005	31"	17mmT4	MF,MS,R,LARGE	FNUC,PAIR=2629,R=F	
<b>NGC 2646</b>	<b>Cam</b>			<b>Galaxy SB(r)0^:</b>	<b>VF,S,2F*2.5'SF</b>
Feb 04 2005	31"	17mmT4	MF,MS,R,LARGE	FNUC,VF* OFF ONE EDGE,BM,MOD HISB MIDDLE,R=G	
Sep 18 1980	12.5"	24mm			
<b>NGC 2650</b>	<b>UMa</b>		<b>H908-2</b>	<b>Galaxy SB(rs)b:</b>	<b>PB,PL,IF,ER</b>
Feb 04 2005	31"	17mmT4	MB,MS,R,LARGE	BNUC,LOC IN TRI OF *S,HISB MIDDLE,BM,R=G	
<b>NGC 2654</b>	<b>UMa</b>			<b>Galaxy SBab: sp</b>	<b>PF,S,F*IN M,F*NR SP</b>
Mar 15 1985	12.5"	16mm	PF,PS,EDGE ON,	BNUC	
<b>NGC 2655</b>	<b>Cam</b>		<b>H288-1</b>	<b>Galaxy SAB(s)0/a</b>	<b>VB,CL,LE90,GSVMBM</b>
Oct 16 1982	12.5"	12mm	F*E 1 GAL DIA,	ARMS MORE PRODOMENANT	
Oct 16 1982	12.5"	16mm	MB,MS,BNUC,	GMBM,OBLONG,DIM HALO	
Dec 21 1981	12.5"	16mm	PB,ML,R,BM,	HISB	
Sep 18 1980	12.5"	24mm			
<b>NGC 2656</b>	<b>UMa</b>			<b>Galaxy SA0- pec:</b>	<b>EF,PSBM</b>
Feb 01 2005	31"	17mmT4	PF,MS,OVAL,	PATCH,SMALL FNUC,R=F	
<b>NGC 2675</b>	<b>UMa</b>			<b>Galaxy E</b>	<b>VF,R,*15P 12S</b>
Feb 04 2005	31"	17mmT4	MB,MS,R,LARGE	BNUC,SHISB MIDDLE,GMBM,R=G	
<b>NGC 2681</b>	<b>UMa</b>		<b>H242-1</b>	<b>Galaxy (R')SAB(rs)0/a</b>	<b>VB,VL,VG,VSMBM*10</b>
Mar 15 1985	12.5"	16mm	SAME		
Oct 16 1982	12.5"	16mm	MB,MS,R,GMBM,	BNUC,2F*S W,1F* E	
Dec 03 1980	12.5"	24mm			
<b>NGC 2685</b>	<b>UMa</b>			<b>Galaxy (R)SB0+ pec</b>	<b>PF,R,F*INCENTRE</b>
Mar 15 1985	12.5"	12mm	DIF,VF,VS,EDGE ON,	BNUC,LARGE CENTRAL REGION,TAPPERED ENDS,FAINT GLOW AROUND NI	
<b>NGC 2692</b>	<b>UMa</b>		<b>H831-3</b>	<b>Galaxy SBab:</b>	<b>VF,S,R,PSBM</b>
Feb 04 2005	31"	17mmT4	MB,PS,OVAL,R,	LARGE BNUC,SHISB,*S OFF TO SIDE,PAIR=PGC25130,R=G	
<b>NGC 2693</b>	<b>UMa</b>		<b>H823-2</b>	<b>Galaxy E3:</b>	<b>PB,LE,PSMBM</b>
Feb 04 2005	31"	17mmT4	VB,PL,LARGE	BNUC,MOD HISB,PAIR=2694,R=G	
Mar 15 1985	12.5"	12mm	DIF,VF,VS,	SMALL OVAL PATCH,NO *S	
Dec 03 1980	12.5"	24mm			
<b>NGC 2694</b>	<b>UMa</b>			<b>Galaxy E1</b>	<b>VF,VS,1'S OF2693</b>
Feb 04 2005	31"	17mmT4	MB,MS,R,PATCH,	UB,NND,SHISB,PAIR=2693,R=F	
<b>NGC 2701</b>	<b>UMa</b>		<b>H66-4</b>	<b>Galaxy SAB(rs)c:</b>	<b>PB,FANSHAPED,*11ATT</b>
Mar 15 1985	12.5"	12mm	EDIF,VF,MS,	OVAL PATCH,UB,B* IN S PART,NND,SN?	
<b>NGC 2710</b>	<b>UMa</b>		<b>H841-3</b>	<b>Galaxy SB(rs)b</b>	<b>VF,S</b>
Feb 04 2005	31"	17mmT4	PB,PL,ELONG,	PATCH,UB,NND,R=G	

# Circumpolar Observations

<b>NGC 2715</b>	<b>Cam</b>		<b>Galaxy SAB(rs)c</b>	<b>PB,L,E</b>
Mar 06 2003	12.5"	9mmT6	PB,VL,OVAL,PATCH,NND,SOMEWHAT HISB,PATCHES & AREAS OF VAR BRT,R=G	
Sep 18 1980	12.5"	24mm		
<b>NGC 2726</b>	<b>UMa</b>	<b>H834-2</b>	<b>Galaxy Sa?</b>	<b>CF,PS,IR,ER</b>
Mar 06 2003	12.5"	9mmT6	MF,ML,EL,UB,NND,MOD HISB,VF* IN GAL,SOMEWHAT BROKEN,R=G	
<b>NGC 2732</b>	<b>Cam</b>		<b>Galaxy S0 sp</b>	<b>PB,S,E45,*13NF</b>
Mar 26 2003	12.5"	9mmT6	MB,PL,ELONG,BNUC,F* ON TIP,R=F	
Sep 18 1980	12.5"	24mm		
<b>NGC 2739</b>	<b>UMa</b>		<b>Galaxy Sa</b>	<b>VF,S,R,NP 2740</b>
Mar 06 2003	12.5"	9mmT6	VDIF,EF,VS,PATCH,AV,PAIR=2740,R=P	
<b>NGC 2740</b>	<b>UMa</b>		<b>Galaxy S?</b>	<b>VF,PS,R</b>
Mar 06 2003	12.5"	9mmT6	VDIF,EF,PS,PATCH,VF* CLOSE TO GAL,PAIR=2739,R=P	
<b>NGC 2742</b>	<b>UMa</b>	<b>H249-1</b>	<b>Galaxy SA(s)c:</b>	<b>CB,CL,E90,ER</b>
Mar 06 2003	12.5"	9mmT6	VB,VL,OVAL,NND,MOD HISB,PATCHY,SPR STR SUSP,R=E	
Mar 15 1985	12.5"	16mm	DIF,PF,PS,PATCHY-OVAL,NND,UB,3F*S TO S 1 GAL DIA	
Oct 16 1982	12.5"	16mm	TRI OF 3F*S OFF TO E	
Oct 16 1982	12.5"	24mm	DIF,MF,ML,UB,OVAL,SAME 24MM FIELD W/2768	
<b>NGC 2742A</b>	<b>UMa</b>		<b>Galaxy SB(s)b pec?</b>	
Mar 06 2003	12.5"	9mmT6	MF,ML,OVAL,PATCH,NND,SLIGHTLY HISB,R=F	
<b>NGC 2748</b>	<b>Cam</b>		<b>Galaxy SABc</b>	<b>PB,PL,E,VGLBM</b>
Mar 26 2003	12.5"	9mmT6	MB,VL,PATCH,UB,NND,SHISB,R=G	
Sep 18 1980	12.5"	24mm		
<b>NGC 2756</b>	<b>UMa</b>	<b>H828-2</b>	<b>Galaxy Sb</b>	<b>PB,PS,E,VGBM</b>
Mar 06 2003	12.5"	9mmT6	MB,ML,R,BNUC,LARGE NUC AREA,MOD HISB MIDDLE,PAIR=PGC25755,R=G	
Jan 08 2003	12.5"	9mmT6	MB,ML,SMOD HISB,PATCH,OVAL,UB,COMP SUSP	
<b>NGC 2762</b>	<b>UMa</b>		<b>Galaxy S</b>	<b>VVF,S,R,1ST OF 4</b>
Dec 07 2005	31"	17mmT4	VF,MS,ELONG,PATCH,UB,NND,PAIR=2767,R=P	
<b>NGC 2767</b>	<b>UMa</b>		<b>Galaxy S?</b>	<b>VF,SBM*15,2ND OF 4</b>
Mar 06 2003	12.5"	9mmT6	MB,PS,R,BNUC,PAIR/2771/2769,R=F	
<b>NGC 2768</b>	<b>UMa</b>	<b>H250-1</b>	<b>Galaxy E6:</b>	<b>CB,CL,LE,PSBMLBN</b>
Mar 06 2003	12.5"	9mmT6	VB,VL,OVAL,BNUC,HISB,DUST EXPECTED,GMBM,STELL NUC,HISB MIDDLE,MOD HISB ARMS,R=E	
Mar 15 1985	12.5"	16mm	MB,PL,OVAL,PATCHY,MOD HISB TOWARDS MIDDLE,NO *S	
Oct 16 1982	12.5"	12mm	MB,ML,2F*S OFF TO S,2B*S ON BOTH SIDES,ELONG,MBM,TAPPERED,BNUC	
Dec 03 1980	12.5"	24mm		
<b>NGC 2769</b>	<b>UMa</b>		<b>Galaxy Sa</b>	<b>PF,S,E,PSLBM,3RD OF 4</b>
Mar 06 2003	12.5"	9mmT6	B,ML,ELONG,EDGE ON,FNUC,PAIR/2771/2767,R=F	
<b>NGC 2771</b>	<b>UMa</b>		<b>Galaxy (R')SB(r)ab</b>	<b>VF,S,LE,4TH OF 4</b>
Mar 06 2003	12.5"	9mmT6	MB,PL,OVAL,PATCH,FNUC,MOD HISB,PAIR/2769/2767,R=F	

# Circumpolar Observations

<b>NGC 2787</b>	<b>UMa</b>		<b>H216-1</b>	<b>Galaxy SB(r)0+</b>	<b>B,PL,LE90,MBM,R,*INV</b>
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		
<b>NGC 2800</b>	<b>UMa</b>		<b>H832-3</b>	<b>Galaxy E</b>	<b>VF,S,LE,*ATT,*INV</b>
Mar 26 2003	12.5"	9mmT6	PB,MS,OVAL,NND,BRT * IN GAL,R=G		
<b>NGC 2805</b>	<b>UMa</b>		<b>H878-3</b>	<b>Galaxy SAB(rs)d</b>	<b>VF,L,R,MBM</b>
Apr 14 2004	31"	17mmT4	DIF,PF,VL,PATCH,UB,NND,R=F		
Jan 08 2003	12.5"	9mmT6	DIF,PF,PL,FNUC,R,UB WITH FAINT NUC,OVAL		
<b>NGC 2810</b>	<b>UMa</b>		<b>H749-3</b>	<b>Galaxy E</b>	<b>F,CS,BM</b>
Apr 14 2004	31"	17mmT4	MB,ML,R,LARG BNUC,HISB MIDDLE,R=G		
<b>NGC 2814</b>	<b>UMa</b>		<b>H868-2</b>	<b>Galaxy Sb:</b>	<b>F,S,IF,1ST OF 2</b>
Apr 14 2004	31"	17mmT4	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		
<b>NGC 2820</b>	<b>UMa</b>		<b>H869-2</b>	<b>Galaxy SB(s)c pec sp</b>	<b>F,S,E,2ND OF 2</b>
Apr 14 2004	31"	17mmT4	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		
<b>NGC 2841</b>	<b>UMa</b>		<b>H205-1</b>	<b>Galaxy SA(r)b:</b>	<b>VB,L,VME151,VSMBM*10</b>
Apr 14 2004	31"	17mmT4	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			
<b>NGC 2870</b>	<b>UMa</b>		<b>H846-3</b>	<b>Galaxy Sbc</b>	<b>CF,S,E,VGLBM</b>
Apr 14 2004	31"	17mmT4	MF,ML,ELONG,UB,F* IN TIP,SLIGHTLY BM,R=G		
<b>NGC 2880</b>	<b>UMa</b>		<b>H260-1</b>	<b>Galaxy SB0-</b>	<b>B,CS,R,MBM,AM ST</b>
Apr 14 2004	31"	17mmT4	PB,ML,R,LARGE BNUC,HISB,GRADUADLY MBM,PAIR=PGC26940,R=G		
Mar 15 1985	12.5"	12mm	DIF,PF,VS,OVAL-R,BM,LINE OF F*S TO N,B* OFF TO E		
<b>NGC 2892</b>	<b>UMa</b>			<b>Galaxy E+ pec:</b>	<b>PF,PS,R,LBM</b>
Apr 14 2004	31"	17mmT4	MB,ML,R,LARGE BNUC,HISB MIDDLE,R=G		
<b>NGC 2895</b>	<b>UMa</b>			<b>Galaxy SBc</b>	<b>VF,VS,R,VGBM,D*7'S</b>
Apr 14 2004	31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,PAIRS/MAC/PGC27076,STELLAR NUC,R=F		
<b>NGC 2908</b>	<b>Dra</b>		<b>H977-3</b>	<b>Galaxy S</b>	<b>EF,VS</b>
Apr 14 2004	31"	17mmT4	DIF,MF,MS,R,UB,NND,F* IN GAL,R=F		
<b>NGC 2938</b>	<b>Dra</b>		<b>H963-3</b>	<b>Galaxy SB(rs)cd</b>	<b>EF,S,IF,D*F3'</b>
Apr 14 2004	31"	17mmT4	DIF,PF,ML,OVAL,PATCH,UB,NND,R=F		

# Circumpolar Observations

<b>NGC 2950</b>	<b>UMa</b>	<b>H68-4</b>	<b>Galaxy (R)SB(r)0<sup>^</sup></b>	<b>B,PS,R,VGVMBMN</b>
Apr 14 2004	31"	17mmT4	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		
<b>NGC 2957A</b>	<b>Dra</b>		<b>Galaxy E1:</b>	<b>EF,*13NR</b>
Apr 14 2004	31"	17mmT4	MF,PS,PATCH,UB,NND,INTERACTING,CAN JUST BARELY SPLIT THE TWO,R=F	
<b>NGC 2957B</b>	<b>Dra</b>		<b>Galaxy E</b>	
Apr 14 2004	31"	17mmT4	MF,PS,PATCH,SMALL FNUC,INTERACTING,CAN JUST BARELY SPLIT THE TWO,R=F	
<b>NGC 2959</b>	<b>UMa</b>		<b>Galaxy (R')SAB(rs)ab</b>	<b>F,PL,R,VGLBM,ST N</b>
Apr 14 2004	31"	17mmT4	MF,ML,LARGE BNUC,PAIR=2961,R=G	
<b>NGC 2961</b>	<b>UMa</b>		<b>Galaxy Sb:</b>	<b>CF,S,LE,NF2959</b>
Apr 14 2004	31"	17mmT4	PF,ML,ELONG,PATCH,UB,NND,PAIR=2959,R=F	
<b>NGC 2963</b>	<b>Dra</b>		<b>H315-3 Galaxy SBab</b>	<b>VF,VS,R,BM</b>
Apr 14 2004	31"	17mmT4	PAIRS/2957A/2957B/PGC28177	
<b>NGC 2976</b>	<b>UMa</b>		<b>H285-1 Galaxy SAc pec</b>	<b>B,VL,ME152,ST INV</b>
Apr 14 2004	31"	17mmT4	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		
<b>NGC 2977</b>	<b>Dra</b>		<b>H282-1 Galaxy Sb:</b>	<b>CB,PL,IF,</b>
Apr 14 2004	31"	17mmT4	MF,ML,OVAL,PATCH,LARGE FNUC REGION,SHISB MIDDLE,R=G	
<b>NGC 2985</b>	<b>UMa</b>		<b>H78-1 Galaxy (R')SA(rs)ab</b>	<b>VB,CL,R,PSMBM,*INV F</b>
Apr 14 2004	31"	17mmT4	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		
<b>NGC 3027</b>	<b>UMa</b>		<b>H23-5 Galaxy SB(rs)d:</b>	<b>VF,VL,LE,R</b>
Apr 14 2004	31"	17mmT4	DIF,MF,VL,ELONG,PATCH,NND,BAR IN GAL SUSP,CENTRAL AREA,R=F	

# Circumpolar Observations

<b>NGC</b>	<b>3031</b>	<b>UMa</b>	<b>M81</b>	<b>Galaxy SA(s)ab</b>	<b>EB,EL,E156,GSVMBMBN 2</b>
	Feb 04 2005	31"	17mmT4	EB,EL,ELONG,LARGE BNUC,HISB,TIGHT CORE,ARMS,R=E	
	Apr 14 2004	31"	17mmT4	EF,EL,LARGE BNUC,HISB,M81,R=E	
	Mar 19 2004	12.5"	12mmT4	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		
<b>NGC</b>	<b>3034</b>	<b>UMa</b>	<b>M82</b>	<b>H79-4 Galaxy I0 sp</b>	<b>VB,VL,VME(RAY)</b>
	Feb 04 2005	31"	17mmT4	EB,EL,EDGE ON,HISB,EDGE TO EDGE IN FOV,PATCHY,DUST,NUC BROKEN,BEST TO DATE,R=E	
	Apr 14 2004	31"	17mmT4	EF,EL,HISB,BEST EVER TODATE,NUC AREA PATCHY,DARK AREAS,BROKEN PARTS,R=E	
	Mar 19 2004	12.5"	12mmT4	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		
<b>NGC</b>	<b>3043</b>	<b>UMa</b>	<b>H835-2</b>	<b>Galaxy Sb: sp</b>	<b>CF,PS,LE,VGBM,*10N7'</b>
	Apr 14 2004	31"	17mmT4	MB,ML,OVAL,PATCH,UB,MHISB,R=G	
	Mar 15 1985	12.5"	16mm	NO FIND,CIRCLES HOT	
<b>NGC</b>	<b>3057</b>	<b>Dra</b>	<b>H978-3</b>	<b>Galaxy SB(s)dm</b>	<b>EF,PL,VLBM,2S* S</b>
	Mar 06 2003	12.5"	9mmT6	EDIF,EF,ES,PATCH,AV,R=P	
<b>NGC</b>	<b>3061</b>	<b>Dra</b>	<b>H903-2</b>	<b>Galaxy (R')SB(rs)c</b>	<b>VF,PL,RESOLVABLE</b>
	Apr 14 2004	31"	17mmT4	DIF,MF,VL,OVAL,PATCH,UB,NND,R=F	
<b>NGC</b>	<b>3065</b>	<b>UMa</b>	<b>H333-2</b>	<b>Galaxy SA(r)0^</b>	<b>PF,VS,R,BM,*11NR</b>
	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	
<b>NGC</b>	<b>3066</b>	<b>UMa</b>	<b>H334-2</b>	<b>Galaxy (R')SAB(s)bc p</b>	<b>VF,VS,VGLBM</b>
	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	

# Circumpolar Observations

<b>NGC 3073</b>	<b>UMa</b>	<b>H853-3</b>	<b>Galaxy SAB0-</b>	<b>VF,S,VGLBM</b>
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	
<b>NGC 3077</b>	<b>UMa</b>	<b>H286-1</b>	<b>Galaxy I0 pec</b>	<b>CB,CL,MBM,R WITH RAY</b>
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		
<b>NGC 3079</b>	<b>UMa</b>	<b>H47-5</b>	<b>Galaxy SB(s)c sp</b>	<b>VB,L,ME135</b>
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	
<b>NGC 3102</b>	<b>UMa</b>	<b>H916-3</b>	<b>Galaxy S0-:</b>	<b>VF,VS,R,BM,*11 SP</b>
Mar 06 2003	12.5"	9mmT6	DIF,PF,PS,PATCH,*NUC,STELL NUC OR F* DETECTED,R=F	
<b>NGC 3147</b>	<b>Dra</b>	<b>H79-1</b>	<b>Galaxy SA(rs)bc</b>	<b>VB,L,R,VGVSVMBM</b>
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	
<b>NGC 3148</b>	<b>UMa</b>		<b>Galaxy SB</b>	<b>*7INPHOTOSPHERE2OR3'</b>
Dec 07 2005	31"	17mmT4	EF,VS,PATCH,UB,NEED TO MOVE B* OUT OFF FOV,AV FIRST THEN HOLDS,R=P	
<b>NGC 3164</b>	<b>UMa</b>		<b>Galaxy S?</b>	<b>EF,S,R,VGLBM</b>
Mar 06 2003	12.5"	9mmT6	EDIF,EF,ES,PATCH,AV,SUSP,R=P	
<b>NGC 3168</b>	<b>UMa</b>		<b>Galaxy E</b>	<b>F,PSBM,STELLAR,*7,8N</b>
Apr 23 2003	12.5"	9mmT6	VF,VS,PATCH,NND,PAIR=PGC30027,R=P	
<b>NGC 3172</b>	<b>UMi</b>		<b>Galaxy Sb</b>	<b>VF,R,GBM,*11S2'</b>
Sep 06 2002	12.5"	9mmT6	DIF,VF,PS,OVAL PATCH,NGC CLOSEST TO POLARIS,F* 1 GAL DIA AWAY	
<b>NGC 3174</b>	<b>Dra</b>	<b>H964-3</b>	<b>Galaxy SB(s)ab pec:</b>	<b>CF,S,STELLAR,S*F NR</b>
Mar 06 2003	12.5"	9mmT6	DIF,VF,MS,PATCH,NND,F* OFF TO EDGE,R=P	
<b>NGC 3182</b>	<b>UMa</b>	<b>H265-1</b>	<b>Galaxy SA(r)a?</b>	<b>CB,CL,IR,VGBM</b>
Apr 23 2003	12.5"	9mmT6	MB,PL,OVAL,BNUC,SHISB,LARGE BRT NUC AREA,R=G	
<b>NGC 3188</b>	<b>UMa</b>	<b>H910-3</b>	<b>Galaxy (R)SB(r)ab</b>	<b>VF,PL,R</b>
Dec 07 2005	31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,VF* OFF ONE SIDE,PAIR=3188A,R=F	
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	
<b>NGC 3188A</b>	<b>UMa</b>		<b>Galaxy S?</b>	
Dec 07 2005	31"	17mmT4	EF,ES,PATCH,AV,SUSP,VERY CLOSE TO NGC3188,R=P	

# Circumpolar Observations

<b>NGC 3194</b>	<b>Dra</b>		<b>H965-3</b>	<b>Galaxy S?</b>	<b>VF,VS</b>
Mar 06 2003	12.5"	9mmT6	DIF,PF,MS,OVAL,PATCH,AV,JUMPS OUT WITH AV THEN HOLDS,R=P		
<b>NGC 3197</b>	<b>Dra</b>		<b>H966-3</b>	<b>Galaxy Sbc</b>	<b>VF,VS</b>
Mar 06 2003	12.5"	9mmT6	VDIF,VF,PS,PATCH,NND,R=P		
<b>NGC 3206</b>	<b>UMa</b>		<b>H266-1</b>	<b>Galaxy SB(s)cd</b>	<b>PB,CL,E,VGLBM</b>
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		
<b>NGC 3212</b>	<b>Dra</b>		<b>H980-3</b>	<b>Galaxy SB?</b>	<b>VF,S,2ND OF 3</b>
Feb 04 2005	31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,VF* OFF ONE EDGE,PAIR=3125/MAC,R=F		
<b>NGC 3214</b>	<b>UMa</b>			<b>Galaxy SA0/a:</b>	<b>CB,VS,R,SBM,5'P3220</b>
Apr 23 2003	12.5"	9mmT6	VF,PS,OVAL,PATCH,FNUC,R=F		
<b>NGC 3215</b>	<b>Dra</b>		<b>H981-3</b>	<b>Galaxy S?</b>	<b>VF,S,3RD OF 3</b>
Feb 04 2005	31"	17mmT4	PF,MS,OVAL,PATCH,UB,SOMEWHAT BM,F* ON EDGE,PAIR=3212/MAC,R=F		
<b>NGC 3218</b>	<b>Dra</b>		<b>H283-1</b>	<b>Galaxy SB(s)bc:</b>	<b>CB,CL,ER,</b>
Mar 06 2003	12.5"	9mmT6	MB,VL,ELONG,PATCH,NND,SOMEWHAT HISB,MANY F*'S IN GAL,R=E		
<b>NGC 3220</b>	<b>UMa</b>		<b>H911-3</b>	<b>Galaxy Sb: sp</b>	<b>PF,CL,E92,*9F9.5'</b>
Apr 23 2003	12.5"	9mmT6	DIF,VF,ML,EDGE ON,VFNUC,AV,BLINKING GAL,*NUC,COMES AND GOES,R=F		
<b>NGC 3225</b>	<b>UMa</b>		<b>H882-2</b>	<b>Galaxy Scd:</b>	<b>CF,PL,LE,VGBM</b>
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		
<b>NGC 3236</b>	<b>UMa</b>			<b>Galaxy E/S0</b>	<b>EF,VS,PSBM,2*11,12 F</b>
Feb 04 2005	31"	17mmT4	PF,PS,R,SMALL FNUC,R=F		
<b>NGC 3238</b>	<b>UMa</b>		<b>H883-2</b>	<b>Galaxy SA(r)0^:</b>	<b>F,S,R,PSLBM</b>
Feb 04 2005	31"	17mmT4	PF,MS,OVAL,SMALL BNUC,SHISB,BAR SUSP,PAIR=PGC30649,R=G		
<b>NGC 3252</b>	<b>Dra</b>		<b>H316-3</b>	<b>Galaxy SBd? sp</b>	<b>EF,PS,ME,R</b>
Feb 04 2005	31"	17mmT4	MF,PL,EDGE ON,PATCH,UB,NND,R=G		
<b>NGC 3259</b>	<b>UMa</b>		<b>H870-2</b>	<b>Galaxy SAB(rs)bc:</b>	<b>F,S,R,GBM</b>
Feb 04 2005	31"	17mmT4	MB,ML,LARGE FNUC,SHISB,SOFT NUC,R=G		
Mar 15 1985	12.5"	16mm	EDIF,VF,VS,PATCHY,UB,NND,NO *S		
<b>NGC 3264</b>	<b>UMa</b>			<b>Galaxy SBdm:</b>	<b>EF,BET 2S*</b>
Feb 04 2005	31"	17mmT4	MF,PL,OVAL,PATCH,UB,*S OPPOSITE ENDS,R=F		
<b>NGC 3266</b>	<b>UMa</b>		<b>H871-2</b>	<b>Galaxy SAB0^?</b>	<b>CF,VS,R,PSMBM*</b>
Feb 04 2005	31"	17mmT4	PB,MS,OVAL,LARGE BNUC,MOD HISB MIDDLE,R=G		
<b>NGC 3286</b>	<b>UMa</b>		<b>H917-3</b>	<b>Galaxy E?</b>	<b>VF,PS,R,PSLBM</b>
Feb 04 2005	31"	17mmT4	MF,MS,SMALL BNUC,GMBM,SOMEWHAT HISB MIDDLE,PAIR=3288,R=G		
<b>NGC 3288</b>	<b>UMa</b>		<b>H918-3</b>	<b>Galaxy SABbc:</b>	<b>EF,CS,R,VGLBM</b>
Feb 04 2005	31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,PAIR=3286,R=F		

# Circumpolar Observations

<b>NGC 3298</b>	<b>UMa</b>		<b>H767-3</b>	<b>Galaxy E/S0</b>	<b>VF,PS,IE</b>
Feb 05 2005	31"	17mmT4	MB,MS,OVAL,LARGE BNUC,SLIGHTLY HISB MIDDLE,R=G		
<b>NGC 3310</b>	<b>UMa</b>		<b>H60-4</b>	<b>Galaxy SAB(r)bc pec</b>	<b>CB,PL,R,VG,VSMBMN</b>
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			
<b>NGC 3343</b>	<b>Dra</b>		<b>H317-3</b>	<b>Galaxy E</b>	<b>PF,S,R,GBM</b>
Feb 05 2005	31"	17mmT4	MF,MS,OVAL,SMALL BNUC,GMBM,R=G		
<b>NGC 3348</b>	<b>UMa</b>		<b>H80-1</b>	<b>Galaxy E0</b>	<b>B,S,ILE,PSBM,*11F21S</b>
Mar 15 1985	12.5"	12mm	PB,MS,BNUC,DOUBLE NUC,F* NEXT TO STELL NUC,R,BM		
<b>NGC 3353</b>	<b>UMa</b>		<b>H842-3</b>	<b>Galaxy Sb? pec</b>	<b>F,CS,R,PGBM,*S90"</b>
Mar 15 1985	12.5"	12mm	MF,PS,BNUC,R,GBM,F* CLOSE BY,LOC IN BARREN * FIELD		
<b>NGC 3359</b>	<b>UMa</b>		<b>H52-5</b>	<b>Galaxy SB(rs)c</b>	<b>PB,L,E0,GLBM</b>
Mar 15 1985	12.5"	16mm	OVAL,PATCH,UB,STELL NUC DET		
Mar 15 1985	12.5"	24mm	DIF,MF,PL,LARGE DISFUSE PATCH IN BARREN AREA		
<b>NGC 3364</b>	<b>UMa</b>		<b>H318-3</b>	<b>Galaxy SAB(rs)c</b>	<b>VF,L,R,VGBM,R,D*SF</b>
Feb 05 2005	31"	17mmT4	PF,VL,OVAL,UB,NND,SHISB,PAIRS=PGC32218/MAC'S,R=G		
<b>NGC 3392</b>	<b>UMa</b>		<b>H881-3</b>	<b>Galaxy E?</b>	<b>VF,S,PSBM,ST NR</b>
Feb 05 2005	31"	17mmT4	PB,MS,R,SMALL BNUC,MOD HISB MIDDLE,PAIR=3394,R=G		
<b>NGC 3394</b>	<b>UMa</b>		<b>H872-2</b>	<b>Galaxy SA(rs)c</b>	<b>CF,S,LE,VGBM</b>
Feb 05 2005	31"	17mmT4	MB,VL,OVAL,UB,NND,SHISB,PAIR=3392,R=G		
<b>NGC 3397</b>	<b>Dra</b>		<b>H284-1</b>	<b>Galaxy (R)SA(r)b:</b>	<b>CB,VS,IF</b>
Feb 05 2005	31"	17mmT4	PB,ML,OVAL,LARGE BNUC,HISB MIDDLE,R=G		
<b>NGC 3398</b>	<b>UMa</b>		<b>H792-3</b>	<b>Galaxy Sa?</b>	<b>VF,S,E,ER</b>
Feb 05 2005	31"	17mmT4	MF,MS,OVAL,LARGE FNUC,PAIRS=IC644/OTHERS,R=F		
<b>NGC 3403</b>	<b>Dra</b>		<b>H335-2</b>	<b>Galaxy SABc:</b>	<b>PF,L,IE,VGBM</b>
Feb 23 2006	31"	17mmT4	PF,PL,ELONG,UB,NND,SHISB,D*S POINT TO GAL,R=G		
Dec 07 2005	31"	17mmT4	MB,PL,ELONG,PATCH,UB,NND,SHISB,F* OFF TIP,R=G		
<b>NGC 3406</b>	<b>UMa</b>			<b>Galaxy E</b>	<b>PB,R,PGBM</b>
Feb 05 2005	31"	17mmT4	MF,MS,LARGE BNUC,SHISB,2 HALVES,2 NUC,GBM,IRR,PAIRS=3410/MAC'S,R=G		
<b>NGC 3407</b>	<b>UMa</b>		<b>H919-3</b>	<b>Galaxy S0-:</b>	<b>VF,VS,R,VS*NR</b>
Feb 05 2005	31"	17mmT4	MF,PS,ELONG,LARGE FNUC,BM,SOMEWHAT HISB MIDDLE,R=F		
<b>NGC 3408</b>	<b>UMa</b>		<b>H913-3</b>	<b>Galaxy Sc:</b>	<b>VF,CS,R,2PB*S</b>
Feb 05 2005	31"	17mmT4	PF,ML,OVAL,R,SHISB,LARGE PATCHY NUC,SLIGHTLY BM,R=G		
<b>NGC 3410</b>	<b>UMa</b>			<b>Galaxy S?</b>	<b>F,PS,DIF,2'SF3406</b>
Feb 05 2005	31"	17mmT4	VF,MS,OVAL,UB,NND,PAIRS=3406/MAC'S,R=F		

# Circumpolar Observations

<b>NGC 3435</b>	<b>UMa</b>		<b>H887-2</b>	<b>Galaxy Sb</b>	<b>CF,PS,LE,VGBM</b>
Feb 05 2005	31"	17mmT4	MF,MS,PATCH,SMALL FNUC,R=F		
<b>NGC 3440</b>	<b>UMa</b>		<b>H914-3</b>	<b>Galaxy SBb? sp</b>	<b>VF,S,LE</b>
Feb 05 2005	31"	17mmT4	MF,MS,ELONG,LARGE FNUC,R=F		
<b>NGC 3445</b>	<b>UMa</b>		<b>H267-1</b>	<b>Galaxy SAB(s)m</b>	<b>CB,PL,IR,VGLBM,*NF2'</b>
Feb 05 2005	31"	17mmT4	PB,ML,OVAL,PATCH,UB,NND,MOD HISB,PAIR=PGC32784,R=G		
Mar 15 1985	12.5"	16mm	DIF,PF,MS,BNUC,MOD HISB,OVAL-R,F* CLOSE BY,UB,3458 IN SAME FOV		
<b>NGC 3448</b>	<b>UMa</b>		<b>H233-1</b>	<b>Galaxy I0</b>	<b>B,PL,ME67,GBM</b>
Apr 07 2008	31"	17mmT4	VF,VL,ELONG,LARGE BNUC,HISB,GOOD DEF,DUST AREA DET,CENTRAL BULGE,BROKEN,R=E		
Mar 15 1985	12.5"	16mm	DIF,VF,MS,EDGE ON,UB,SLIGHTLY ELONG,NND,BETWEEN A TRI OF VERY F*S		
<b>NGC 3458</b>	<b>UMa</b>		<b>H268-1</b>	<b>Galaxy SAB0:</b>	<b>VB,VS,R,STELLAR</b>
Mar 15 1985	12.5"	16mm	MF,PS,BNUC,R,BM,STELL NUC,3445 IN SAME FOV		
<b>NGC 3470</b>	<b>UMa</b>		<b>H888-2</b>	<b>Galaxy SA(r)ab:</b>	<b>VF,S,R,VGBM</b>
Feb 05 2005	31"	17mmT4	MF,MS,OVAL,LARGE FNUC,PAIR=PGC33043,R=F		
<b>NGC 3471</b>	<b>UMa</b>		<b>H972-3</b>	<b>Galaxy Sa</b>	<b>VF,S,R,BM</b>
Feb 04 2005	31"	17mmT4	MB,PL,ELONG,LARGE FNUC,MOD HISB MIDDLE,PAIR=PGC33071,R=G		
<b>NGC 3488</b>	<b>UMa</b>		<b>H269-1</b>	<b>Galaxy SB(s)c:</b>	<b>EF OR CB,VLE,PS,*13S</b>
Apr 03 2005	31"	17mmT4	PB,ML,OVAL,LARGE FNUC SUSP,SOMEWHAT BM,R=G		
<b>NGC 3499</b>	<b>UMa</b>		<b>H793-3</b>	<b>Galaxy I0?</b>	<b>VF,VS,STELLAR</b>
Apr 03 2005	31"	17mmT4	MB,PS,R,SMALL BNUC,MOD HISB MIDDLE,R=G		
<b>NGC 3500</b>	<b>Dra</b>		<b>H968-3</b>	<b>Galaxy Sb</b>	<b>VF\$EF,DNEB,V NEAR</b>
Feb 23 2006	31"	17mmT4	MB,ML,R,LARGE FNUC,F* OUTER EDGE,MOD HISB MIDDLE,PAIR=PGC33277,R=G		
Dec 07 2005	31"	17mmT4	MF,MS,OVAL,SMALL FNUC,F* OFF EDGE,R=F		
Feb 05 2005	31"	17mmT4	PF,MS,OVAL,FNUC,F* OFF EDGE,R=F		
<b>NGC 3516</b>	<b>UMa</b>		<b>H336-2</b>	<b>Galaxy (R)SB(s)0^:</b>	<b>PB,VS,IR,PSMBM*</b>
Mar 15 1985	12.5"	12mm	PF,PS,R,BM,F* CLOSE BY SEVERAL GAL DIA		
<b>NGC 3517</b>	<b>UMa</b>		<b>H884-2</b>	<b>Galaxy SAB:</b>	<b>EF,S,R,VGBM</b>
Apr 03 2005	31"	17mmT4	MF,PS,R,SMALL BNUC,COMP=PGC33526,R=F		
<b>NGC 3523</b>	<b>Dra</b>		<b>H904-2</b>	<b>Galaxy Sbc</b>	<b>F,PL,LBM,</b>
Feb 23 2006	31"	17mmT4	MB,ML,R,UB,NND,MOD HISB,PAIR=PGC33277,R=G		
Apr 03 2005	31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,PAIR=PGC33277,R=F		
<b>NGC 3530</b>	<b>UMa</b>		<b>H915-3</b>	<b>Galaxy S?</b>	<b>VF,S,R,PGBM</b>
Apr 03 2005	31"	17mmT4	MF,PS,ELONG,EDGE ON,SMALL BNUC,SUDDENDLY MBM,PAIR=MAC,R=F		
<b>NGC 3543</b>	<b>UMa</b>		<b>H920-3</b>	<b>Galaxy S</b>	<b>EF,VS,E0,R</b>
Apr 03 2005	31"	17mmT4	PF,PS,EDGE ON,UB,NND,CENTRAL BULGE,R=F		
<b>NGC 3549</b>	<b>UMa</b>		<b>H220-1</b>	<b>Galaxy SA(s)c:</b>	<b>CB,CL,CE160</b>
Mar 15 1985	12.5"	16mm	DIF,MF,PL,ELONG,PATCH,UB,NND		

# Circumpolar Observations

<b>NGC 3556</b>	<b>UMa</b>	<b>M108</b>	<b>H46-5</b>	<b>Galaxy SB(s)cd sp</b>	<b>CB,VL,VME79,PBM,R</b>
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Dec 26 2003	31"	17mmT4	VB,EL,EDGE ON,NND,MOD HISB,3*S IN GAL,H2 REGIONS DET,DUST DET,PATCHY ARMS DET,E		
Mar 15 1985	12.5"	12mm	MB,PL,VERY EDGE ON,F*N EDGE,B*CENTER,MOD HISB,KNTY STR SUSP,EXCELLENT!!!		
Mar 02 1984	10"	20mm	SAME		
Oct 22 1982	12.5"	16mm	DIF,MB,VL,F*N EDGE,EDGE ON,UB,LARGE,NND		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Oct 31 1980	12.5"	24mm			
Sep 18 1980	12.5"	24mm			
Sep 10 1980	12.5"	24mm			
May 07 1980	5"	9mm			
Apr 16 1980	6"	24mm	IN SAME FOV WITH M97		
<b>NGC 3562</b>	<b>Dra</b>		<b>H337-2</b>	<b>Galaxy E</b>	<b>PF,PS,LE,GBM,*70"NP</b>
Apr 03 2005	31"	17mmT4	MB,PL,OVAL,LARGE BNUC,MUCH BM,MOD HISB MIDDLE,PAIRS=PGC'S/MAC,R=F		
<b>NGC 3589</b>	<b>UMa</b>		<b>H921-3</b>	<b>Galaxy Sd:</b>	<b>VF,L,E,VGBM,INTRILST</b>
Apr 03 2005	31"	17mmT4	PF,VL,ELONG,EDGE ON,UB,NND,LARGE EDGE ON PATCH BESIDE TRI OF B*S,R=G		
<b>NGC 3594</b>	<b>UMa</b>		<b>H770-3</b>	<b>Galaxy SB0:</b>	<b>VF,VS,STELLAR</b>
Apr 03 2005	31"	17mmT4	PF,ML,OVAL,LARGE FNUC,SOMEWHAT BM,PAIR=PGC34356,R=G		
<b>NGC 3610</b>	<b>UMa</b>		<b>H270-1</b>	<b>Galaxy E5:</b>	<b>VB,PS,LE90,VSVMBMSN</b>
Mar 15 1985	12.5"	12mm	PB,MS,BNUC,R,BM,SLIGHT TAPPERING DET		
Oct 22 1982	12.5"	16mm	PB,MS,BNUC,R,GMBM		
<b>NGC 3613</b>	<b>UMa</b>		<b>H271-1</b>	<b>Galaxy E6</b>	<b>VB,CL,ME305,SMBMN</b>
Mar 15 1985	12.5"	12mm	PB,PS,BNUC,OVAL,SMBM,PAIR/3619		
Oct 22 1982	12.5"	16mm	MB,PS,BNUC,R,SMALL BNUC,GBM,PAIR/3619		
<b>NGC 3619</b>	<b>UMa</b>		<b>H244-1</b>	<b>Galaxy (R)SA(s)0+:</b>	<b>CB,CL,R,VGMBM</b>
Mar 15 1985	12.5"	12mm	PF,MS,PATCHY,SMALL NUC,FAINTER THAN 3613,PAIR/3613		
Oct 22 1982	12.5"	16mm	R,DIF,MF,PS,FUZZY,SBM		
<b>NGC 3622</b>	<b>UMa</b>		<b>H879-2</b>	<b>Galaxy S?</b>	<b>PB,S,R,GBM</b>
Apr 03 2005	31"	17mmT4	MF,MS,OVAL,UB,NND,SHISB,R=G		
<b>NGC 3625</b>	<b>UMa</b>		<b>H885-2</b>	<b>Galaxy SAB(s)b:</b>	<b>F,S,LE135</b>
Apr 03 2005	31"	17mmT4	MB,PL,OVAL,UB,SHISB,PAIRS=PGC/MAC,R=G		
<b>NGC 3631</b>	<b>UMa</b>		<b>H226-1</b>	<b>Galaxy SA(s)c</b>	<b>PB,L,R,SVMBMRN</b>
Mar 15 1985	12.5"	16mm	MB,ML,FNUC,FACE ON,SBM,SMALL NUC,SPR STR DET,2 *S OUTER ARMS		
Oct 22 1982	12.5"	16mm	DIF,VF,MS,PATCHY,OVAL,STELL NUC		
<b>NGC 3642</b>	<b>UMa</b>		<b>H245-1</b>	<b>Galaxy SA(r)bc:</b>	<b>PB,PL,R,VGBM</b>
Mar 15 1985	12.5"	16mm	DIF,PF,PS,OVAL-PATCHY,SBM		
<b>NGC 3654</b>	<b>UMa</b>		<b>H880-2</b>	<b>Galaxy S?</b>	<b>F,S,LE15</b>
Apr 03 2005	31"	17mmT4	MB,PS,OVAL,SOMEWHAT HISB,SOMEWHAT BM,R=G		
<b>NGC 3656</b>	<b>UMa</b>		<b>H782-2</b>	<b>Galaxy (R')I0: pec</b>	<b>PB,S,R,VGBM,*12P</b>
Apr 03 2005	31"	17mmT4	PB,ML,R,UB,NND,MOD HISB,CLOSE COMP=PGC34985,PAIRS=PGC'S/MAC,R=G		

# Circumpolar Observations

<b>NGC 3657</b>	<b>UMa</b>		<b>H768-3</b>	<b>Galaxy SAB(rs)c pec</b>	<b>CF,VS,R,STELLAR</b>
Apr 03 2005	31"	17mmT4	MF,PS,R,SMALL BNUC,MOD HISB MIDDLE,GMBM,R=G		
<b>NGC 3668</b>	<b>UMa</b>		<b>H845-2</b>	<b>Galaxy Sbc</b>	<b>F,PS,IR,GBM,*9NP</b>
Apr 03 2005	31"	17mmT4	PB,PL,OVAL,R,SMALL BNUC,COMP NOT DET,VF* IN EDGE,GBM,HISB MIDDLE,FARM SUSP,R=G		
<b>NGC 3669</b>	<b>UMa</b>		<b>H829-2</b>	<b>Galaxy SBcd: sp</b>	<b>VF,PL,PME135,ER</b>
Apr 03 2005	31"	17mmT4	MF,PL,EDGE ON,UB,NND,NO NUC,NO CENTRAL BULGE,R=E		
<b>NGC 3671</b>	<b>UMa</b>		<b>H922-3</b>	<b>Galaxy C</b>	<b>VF,VS,2VS*INV</b>
Dec 07 2005	31"	17mmT4	PF,PS,OVAL,UB,NND,VF* IN EDGE OF GAL,R=F		
<b>NGC 3674</b>	<b>UMa</b>		<b>H886-2</b>	<b>Galaxy S0 sp</b>	<b>PF,IF</b>
Apr 03 2005	31"	17mmT4	MB,MS,ELONG,EDGE ON,SMALL BNUC,GMBM,MOD HISB MIDDLE,PAIR=MAC,R=G		
Mar 15 1985	12.5"	16mm	COMP TO SE = 3683,NO DESC GIVEN		
<b>NGC 3682</b>	<b>Dra</b>		<b>H262-1</b>	<b>Galaxy SA(s)0/a:?</b>	<b>CB,S,IR,SPMBMN</b>
Apr 03 2005	31"	17mmT4	PB,MS,ELONG,LARGE BNUC,HISB MIDDLE,R=G		
<b>NGC 3683</b>	<b>UMa</b>		<b>H246-1</b>	<b>Galaxy SB(s)c?</b>	<b>CB,PL,E</b>
Mar 15 1985	12.5"	16mm	DIF,PF,PS,ELONG,UB,NND,NO *S,COMP TO NW = 3674		
<b>NGC 3683A</b>	<b>UMa</b>			<b>Galaxy SB(rs)c</b>	
Apr 03 2005	31"	17mmT4	PB,PL,OVAL,UB,NND,BRT * OFF EDGE,SOMEWHAT HISB,R=G		
<b>NGC 3690</b>	<b>UMa</b>		<b>H247-1</b>	<b>Galaxy IBm pec</b>	<b>PB,PS,VLE80,PGBM</b>
Apr 07 2008	31"	17mmT4	VB,PL,OVAL,UB,NND,HISB,PAIRS-IC694/PGC35345,R=G		
Apr 03 2005	31"	17mmT4	VB,ML,OVAL,R,UB,NND,HISB,INTERACTING=IC694,PAIRS=PGC/MAC,R=G		
Mar 15 1985	12.5"	16mm	PF,PS,SLIGHTLY ELONG,2 NUC DET,INTERACTING GAL = IC 694,MOD HISB!!		
<b>NGC 3718</b>	<b>UMa</b>		<b>H221-1</b>	<b>Galaxy SB(s)a pec</b>	<b>PB,VL,R,VGLBM</b>
Feb 23 2006	31"	17mmT4	VB,EF,LARGE BNUC,F* CLOSE TO NUC IN GAL,PATCHY,ARMS SUSP,H2 REGIONS,PAIR=MAC,R=		
Mar 15 1985	12.5"	16mm	PF,VL,SPR ARMS DET,BRT BAR,VERY R,FACE ON,2B*S TO S,PAIR/3729		
Oct 22 1982	12.5"	24mm	MB,ML,2F*S IN S PART,OVAL,NND,PAIR/3729		
<b>NGC 3725</b>	<b>UMa</b>		<b>H836-2</b>	<b>Galaxy SBc</b>	<b>CF,S,R,GVLBM,R</b>
Apr 04 2005	31"	17mmT4	MB,ML,OVAL,SMALL BNUC,SLIGHTLY HISB MIDDLE,PAIR=PGC35626,R=G		
<b>NGC 3729</b>	<b>UMa</b>		<b>H222-1</b>	<b>Galaxy SB(r)a pec</b>	<b>PB,PL,LE0,GBM,*12NR</b>
Feb 23 2006	31"	17mmT4	(CONT),* ON EDGE,R=E		
Feb 23 2006	31"	17mmT4	VB,VL,OVAL,SMALL BNUC,HISB,ARMS,PATCHY AREAS,BRT BAR LIKE NUC W/BULGE,COMP=MA		
Mar 15 1985	12.5"	16mm	MB,ML,BRT THAN 3718,MOD HISB,B* ON S EDGE,UB,PAIR/3718		
Oct 22 1982	12.5"	24mm	VF,ML,OVAL,NND,MOD HISB,F* IN S PART,PAIR/3718		
<b>NGC 3733</b>	<b>UMa</b>		<b>H771-3</b>	<b>Galaxy SAB(s)cd:</b>	<b>EF,S,IR,*6MSF</b>
Apr 04 2005	31"	17mmT4	PF,VL,OVAL,PATCH,UB,NND,B* IN FOV CLOSE BY,SEVERAL OTHERS PRESENT,R=F		
<b>NGC 3735</b>	<b>Dra</b>		<b>H287-1</b>	<b>Galaxy SAc: sp</b>	<b>PB,L,ME130,MBM</b>
Apr 04 2005	31"	17mmT4	PB,VL,EDGE ON,LARGE BNUC,DUST LANE,CENTRAL BULGE,GMBM,HISB MIDDLE,PAIR=MAC,R=		
<b>NGC 3736</b>	<b>Dra</b>			<b>Galaxy Sb</b>	<b>VF,VS,R</b>
Apr 04 2005	31"	17mmT4	MF,PS,OVAL,SMALL FNUC,VF* ON EDGE,R=F		

# Circumpolar Observations

<b>NGC 3737</b>	<b>UMa</b>		<b>H772-3</b>	<b>Galaxy SB0</b>	<b>VF,STELLAR</b>
Apr 04 2005	31"	17mmT4	PB,MS,ELONG,SMALL BNUC,PAIRS=PGC35811/MAC'S,R=G		
<b>NGC 3738</b>	<b>UMa</b>		<b>H783-2</b>	<b>Galaxy Im</b>	<b>PB,PL,BM</b>
Mar 15 1985	12.5"	16mm	PF,PL,OVAL,MOD HISB,UB,PAIR/3756		
<b>NGC 3740</b>	<b>UMa</b>		<b>H847-3</b>	<b>Galaxy S</b>	<b>VF,VS,R,VGBM</b>
Apr 04 2005	31"	17mmT4	MF,ML,OVAL,UB,NND,SHISB,R=G		
<b>NGC 3752</b>	<b>Dra</b>		<b>H905-2</b>	<b>Galaxy Sab</b>	<b>PB,PL</b>
Apr 03 2005	31"	17mmT4	MB,ML,ELONG,EDGE ON,PATCH,UB,NND,R=G		
<b>NGC 3756</b>	<b>UMa</b>		<b>H784-2</b>	<b>Galaxy SAB(rs)bc</b>	<b>PF,L,LE</b>
Mar 15 1985	12.5"	16mm	PF,PL,OVAL,MOD HISB,UB,PAIR/3738		
<b>NGC 3757</b>	<b>UMa</b>		<b>H843-3</b>	<b>Galaxy S0?</b>	<b>VF,R,STELLAR,VS*1DSF</b>
Apr 04 2005	31"	17mmT4	PB,MS,OVAL,LARGE BNUC,HISB MIDDLE,R=G		
<b>NGC 3759</b>	<b>UMa</b>			<b>Galaxy SAB0^:</b>	<b>F,S,IR,*11NR</b>
Apr 04 2005	31"	17mmT4	MB,ML,ELONG,LARGE BNUC,PAIR=IC2943,R=G		
<b>NGC 3759A</b>	<b>UMa</b>			<b>Galaxy SABc pec</b>	
Apr 04 2005	31"	17mmT4	MF,ML,OVAL,SMALL FNUC,SOMEWHAT HISB,PAIR=MAC,R=F		
<b>NGC 3762</b>	<b>UMa</b>		<b>H837-2</b>	<b>Galaxy Sa</b>	<b>F,VLE,GBM</b>
Apr 04 2005	31"	17mmT4	PB,MS,EDGE ON,LARGE BNUC,CENTRAL BULGE,HISB MIDDLE,SMBM,R=G		
<b>NGC 3770</b>	<b>UMa</b>		<b>H838-2</b>	<b>Galaxy SBa</b>	<b>PF,S,R,GBM,R</b>
Apr 04 2005	31"	17mmT4	MB,PS,R,SMALL BNUC,SMBM,MOD HISB MIDDLE,R=G		
<b>NGC 3780</b>	<b>UMa</b>		<b>H227-1</b>	<b>Galaxy SA(s)c:</b>	<b>PF,L,VLE,VGBM,R</b>
Mar 15 1985	12.5"	16mm	DIF,MF,PL,F* E TIP,NND,UB,OVAL,PATCH		
<b>NGC 3795</b>	<b>UMa</b>		<b>H844-3</b>	<b>Galaxy S</b>	<b>VF,S,ME</b>
Apr 04 2005	31"	17mmT4	MF,MS,EDGE ON,UB,NND,CIGAR SHAPE,R=G		
<b>NGC 3796</b>	<b>UMa</b>		<b>H839-2</b>	<b>Galaxy S?</b>	<b>F,CS,R,MBM</b>
Apr 04 2005	31"	17mmT4	MB,MS,ELONG,OVAL,LARGE BNUC,HISB MIDDLE,R=G		
<b>NGC 3804</b>	<b>UMa</b>		<b>H830-2</b>	<b>Galaxy SAB</b>	<b>PB,E</b>
Apr 04 2005	31"	17mmT4	MF,PL,OVAL,UB,NND,SHISB,* ON EDGE,PATCHY AREAS,R=F		
<b>NGC 3809</b>	<b>UMa</b>			<b>Galaxy S0</b>	<b>PB,S,R,GLBM</b>
Dec 07 2005	31"	17mmT4	PB,PS,R,LARGE BNUC,HISB MIDDLE,BM,R=G		
<b>NGC 3824</b>	<b>UMa</b>		<b>H774-3</b>	<b>Galaxy SA(s)a? sp</b>	<b>VF,CS,PME</b>
Dec 07 2005	31"	17mmT4	PB,ML,ELONG,LARGE BNUC,HISB MIDDLE,BM,R=G		
<b>NGC 3829</b>	<b>UMa</b>		<b>H775-3</b>	<b>Galaxy SB(s)b:</b>	<b>VF,VS</b>
Dec 07 2005	31"	17mmT4	PF,MS,R,PATCH,UB,NND,R=P		
<b>NGC 3835</b>	<b>UMa</b>			<b>Galaxy Sab: sp</b>	<b>PB,E,GBM,**8SF 5'</b>
Dec 07 2005	31"	17mmT4	PB,ML,EDGE ON,SMALL BNUC,CENTRAL BULGE,MOD HISB MIDDLE,R=G		

# Circumpolar Observations

<b>NGC 3838</b>	<b>UMa</b>		<b>H831-2</b>	<b>Galaxy SA0/a?</b>	<b>PB,CS,E,PSBM*12</b>
Dec 07 2005	31"	17mmT4	VB,ML,ELONG,LARGE BNUC,HISB MIDDLE,BM,R=G		
<b>NGC 3846</b>	<b>UMa</b>			<b>Galaxy SAc:</b>	<b>F,PL,R,VGBM</b>
Feb 23 2006	31"	17mmT4	MF,MS,OVAL,PATCH,SOMEWHAT BM,SOMEWHAT HISB,PAIRS=MAC'S,R=G		
<b>NGC 3846A</b>	<b>UMa</b>			<b>Galaxy SB(s)m:</b>	
Feb 23 2006	31"	17mmT4	PB,PL,ELONG,OVAL,PATCH,UB,NND,MOD HISB,PAIR=PGC36463,R=G		
<b>NGC 3850</b>	<b>UMa</b>		<b>H776-3</b>	<b>Galaxy SB(s)c:</b>	<b>EF,PL,LE</b>
Feb 23 2006	31"	17mmT4	MB,VL,OVAL,PATCH,UB,NND,SOMEWHAT HISB,PAIR=MAC,R=G		
<b>NGC 3870</b>	<b>UMa</b>		<b>H833-3</b>	<b>Galaxy S0?</b>	<b>CF,CS,R,PSBM</b>
Feb 23 2006	31"	17mmT4	MF,MS,OVAL,SMALL BNUC,HISB MIDDLE,GMBM,R=G		
<b>NGC 3879</b>	<b>Dra</b>		<b>H881-2</b>	<b>Galaxy Sdm:</b>	<b>F,PL,ME105</b>
Feb 23 2006	31"	17mmT4	MF,MS,EDGE ON,UB,NND,SHISB,VF* OFF SIDE OF NUC,R=G		
<b>NGC 3888</b>	<b>UMa</b>		<b>H785-2</b>	<b>Galaxy SAB(rs)c</b>	<b>PB,S,LE,PGBM</b>
Feb 23 2006	31"	17mmT4	VF,PL,OVAL,SMALL BNUC,HISB,PAIRS=3889/PGC/MAC,R=G		
Mar 15 1985	12.5"	16mm	MB,MS,OVAL,UB,NND,MOD HISB,PAIR/3898		
<b>NGC 3889</b>	<b>UMa</b>			<b>Galaxy S0</b>	<b>VF,VS,5'S OF 3888</b>
Feb 23 2006	31"	17mmT4	PF,PS,ELONG,LARGE BNUC,PAIRS=3888/PGC/MAC,R=F		
<b>NGC 3890</b>	<b>Dra</b>		<b>H940-3</b>	<b>Galaxy S?</b>	<b>VF,S,R,BM</b>
Feb 23 2006	31"	17mmT4	PF,MS,R,LARGE BNUC,MOD HISB,SUDDENLY MBM,LARGE NUC AREA,R=G		
<b>NGC 3894</b>	<b>UMa</b>		<b>H248-1</b>	<b>Galaxy E4-5</b>	<b>B,PL,IR,PGMBM,P OF 2</b>
Mar 15 1985	12.5"	12mm	PF,MS,OVAL,SBM,PAIR/3895		
<b>NGC 3895</b>	<b>UMa</b>		<b>H832-2</b>	<b>Galaxy SB(rs)a:</b>	<b>PF,PL,VLE,GBM,F OF 2</b>
Mar 15 1985	12.5"	12mm	PF,PS,OVAL,PATCHY,STELL NUC SUSP,PAIR/3894		
<b>NGC 3898</b>	<b>UMa</b>		<b>H228-1</b>	<b>Galaxy SA(s)ab</b>	<b>B,PL,LE,SVMBM</b>
Mar 15 1985	12.5"	12mm	PB,ML,BNUC,HISB,BM,R-OVAL,PAIR/3888		
Feb 12 1983	12.5"	16mm	MB,PL,ELONG,BNUC,VMBM		
<b>NGC 3901</b>	<b>Cam</b>		<b>H970-3</b>	<b>Galaxy Scd:</b>	<b>PF,PL,RESOLVABLE</b>
Feb 04 2005	31"	17mmT4	PF,ML,OVAL,PATCH,UB,NND,F* IN EDGE,R=F		
<b>NGC 3913</b>	<b>UMa</b>		<b>H786-2</b>	<b>Galaxy (R')SA(rs)d:</b>	<b>F,E</b>
Feb 23 2006	31"	17mmT4	MF,ML,OVAL,LARGE FNUC,PATCHY,R=F		
<b>NGC 3916</b>	<b>UMa</b>		<b>H787-2</b>	<b>Galaxy SAB: sp</b>	<b>EF,R,GBM</b>
Feb 23 2006	31"	17mmT4	PF,MS,ELONG TO EDGE ON,PATCH,UB,NND,SOMEWHAT HISB,PAIRS=3921/PGC37013,R=F		
<b>NGC 3917</b>	<b>UMa</b>		<b>H824-2</b>	<b>Galaxy SAcD:</b>	<b>F,L,VME,VGBM</b>
Mar 04 2006	31"	17mmT4	PB,VL,EDGE ON,UB,NND,CENTRAL BULGE,2*S OFF ONE SIDE,R=G		
Mar 15 1985	12.5"	16mm	DIF,MP,MS,EDGE ON,2VF*S S SIDE,UB,NND		
<b>NGC 3921</b>	<b>UMa</b>		<b>H788-2</b>	<b>Galaxy (R')SA(s)0/a p</b>	<b>PF,S,R,PSPMBM</b>
Feb 23 2006	31"	17mmT4	PB,PL,OVAL,LARGE BNUC,MOD HISB,SMBM,HISB MIDDLE,PAIRS=3916,PGC37013,R=G		

# Circumpolar Observations

<b>NGC 3922</b>	<b>UMa</b>		<b>H716-3</b>	<b>Galaxy S0/a</b>	<b>VF,VS</b>
Mar 04 2006	31"	17mmT4	PB,PL,ELONG,LARGE BNUC,HISB,GMBM,* OFF NUC,R=G		
<b>NGC 3924</b>	<b>UMa</b>		<b>H825-2</b>	<b>Galaxy Sm:</b>	<b>PB,S,IF,BM</b>
Mar 04 2006	31"	17mmT4	DIF,VF,PS,PTACH,UB,NND,R=P		
<b>NGC 3931</b>	<b>UMa</b>		<b>H769-3</b>	<b>Galaxy SA0-:</b>	<b>EF,S</b>
Mar 04 2006	31"	17mmT4	PB,PL,R,LARGE FNUC,SMBM,MOD HISB MIDDLE,PAIR=MAC,R=G		
<b>NGC 3945</b>	<b>UMa</b>		<b>H251-1</b>	<b>Galaxy (R)SB(rs)0+</b>	<b>B,PL,R,GMBM,R,*12SP</b>
Mar 15 1985	12.5"	12mm	PB,MS,BNUC,3F*S SURROUND OBJECT,R,VMBM,HISB MIDDLE		
Feb 12 1983	12.5"	16mm	MB,PS,BNUC,2F*S N,1*W,HISB,R,SBM		
<b>NGC 3953</b>	<b>UMa</b>		<b>H45-5</b>	<b>Galaxy SB(r)bc</b>	<b>CB,L,E0,VSMBLRN</b>
Mar 15 1985	12.5"	16mm	SAME,PB,PL,BNUC,F* JUST W OF NUC,FACE ON,SPR STR DET		
Feb 12 1983	12.5"	16mm	MB,PL,DNUC,F*W EDGE,OVAL,SOFT DIM NUC,VMBM,FACE ON,HALO		
<b>NGC 3958</b>	<b>UMa</b>		<b>H833-2</b>	<b>Galaxy SB(s)a</b>	<b>PF,PS,PME,VGBM</b>
Mar 15 1985	12.5"	16mm	CLOSE PAIR/3963		
<b>NGC 3961</b>	<b>Dra</b>		<b>H905-3</b>	<b>Galaxy (R)SB(r)a:</b>	<b>EF,VS</b>
Feb 23 2006	31"	17mmT4	MB,MS,R,BNUC,MUCH BM,MOD HISB MIDDLE,R=G		
<b>NGC 3963</b>	<b>UMa</b>		<b>H67-4</b>	<b>Galaxy SAB(rs)bc</b>	<b>PF,CL,R,VG,SBM</b>
Mar 15 1985	12.5"	16mm	DIF,PF,PS,OVAL,UB,NND,COMP TO SW = 3958		
<b>NGC 3972</b>	<b>UMa</b>		<b>H789-2</b>	<b>Galaxy SA(s)bc</b>	<b>PB,E</b>
Feb 12 1983	12.5"	16mm	VDIF,VF,ML,EDGE ON,UB,TAPPERED ENDS,NND,PAIR/3977		
<b>NGC 3975</b>	<b>UMa</b>			<b>Galaxy SAb?</b>	<b>VF,VS,3978F17S</b>
Mar 04 2006	31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,PAIRS=3978/PGC'S,R=F		
<b>NGC 3977</b>	<b>UMa</b>		<b>H790-2</b>	<b>Galaxy Sab</b>	<b>F,S</b>
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		
<b>NGC 3978</b>	<b>UMa</b>		<b>H840-2</b>	<b>Galaxy SABbc:</b>	<b>CF,S,LE,BM,*8P6'</b>
Mar 04 2006	31"	17mmT4	PB,PL,R,SMALL FNUC,MOD HISB,SBM,PAIRS=3975/PGC'S,R=G		
<b>NGC 3982</b>	<b>UMa</b>		<b>H62-4</b>	<b>Galaxy SAB(r)b:</b>	<b>B,PL,R,G,SBM,DISC</b>
Feb 12 1983	12.5"	16mm	MB,MS,DNUC,R,SBM,SAME 24MM FIELD WITH 3998		
<b>NGC 3990</b>	<b>UMa</b>		<b>H791-2</b>	<b>Galaxy S0-: sp</b>	<b>PF,S,LE,PSLBM</b>
Mar 15 1985	12.5"	12mm	CLOSE COMP TO 3998		
<b>NGC 3992</b>	<b>UMa</b>	<b>M109</b>	<b>H61-4</b>	<b>Galaxy SB(rs)bc</b>	<b>CB,VL,PME,SBMBRN</b>
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Dec 26 2003	31"	17mmT4	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			

# Circumpolar Observations

<b>NGC 3998</b>	<b>UMa</b>		<b>H229-1</b>	<b>Galaxy SA(r)0<sup>^</sup>?</b>	<b>CB,PS,R,VG,SMBM</b>
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	
<b>NGC 4026</b>	<b>UMa</b>		<b>H223-1</b>	<b>Galaxy S0 sp</b>	<b>VB,CL,ME176,VSVMBMBN</b>
Feb 12 1983	12.5"	16mm		MB,PS,EDGE ON,DUST LANE SUSP,VBM,CENTRAL BULGE	
<b>NGC 4034</b>	<b>Dra</b>		<b>H903-3</b>	<b>Galaxy Scd:</b>	<b>EF,S,IF,GVLBM</b>
Mar 06 2003	12.5"	9mmT6		SUSP ONLY,LOCATION GOOD,R=P	
<b>NGC 4036</b>	<b>UMa</b>		<b>H253-1</b>	<b>Galaxy S0-</b>	<b>VB,VL,E</b>
Mar 06 2003	12.5"	9mmT6		VB,VL,BNUC,VBM,LARGE BRT NUC,HISB MIDDLE,TAPPERED ENDS,R=E	
Feb 12 1983	12.5"	16mm		MB,PL,EDGE ON,BNUC,CENTRAL BULGE,DUST LANE SUSP,BM,PAIR/4041	
<b>NGC 4041</b>	<b>UMa</b>		<b>H252-1</b>	<b>Galaxy SA(rs)bc:</b>	<b>B,CL,R,G,PSVMBMRN</b>
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	
<b>NGC 4054</b>	<b>UMa</b>		<b>H794-3</b>	<b>Galaxy S</b>	<b>EF,S</b>
Mar 06 2003	12.5"	9mmT6		EDIF,EF,VS,PATCH,AV,COMES AND GOES THEN HOLDS,R=P	
<b>NGC 4068</b>	<b>UMa</b>		<b>H781-2</b>	<b>Galaxy IAm</b>	<b>PF,S,STELLAR</b>
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	
<b>NGC 4081</b>	<b>UMa</b>			<b>Galaxy Sa?</b>	<b>F,S,ME,D*NR</b>
Mar 06 2003	12.5"	9mmT6		MF,MS,ELONG,UB,NND,R=F	
<b>NGC 4085</b>	<b>UMa</b>		<b>H224-1</b>	<b>Galaxy SAB(s)c:?</b>	<b>B,PL,ME78,VSBM</b>
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	
<b>NGC 4088</b>	<b>UMa</b>		<b>H206-1</b>	<b>Galaxy SAB(rs)bc</b>	<b>B,CL,E55,LBM</b>
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	
<b>NGC 4102</b>	<b>UMa</b>		<b>H225-1</b>	<b>Galaxy SAB(s)b?</b>	<b>B,PS,R,BMBN,*12SPVNR</b>
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	
<b>NGC 4108</b>	<b>Dra</b>			<b>Galaxy (R')SAc:</b>	<b>B,S,R,GBM</b>
Mar 06 2003	12.5"	9mmT6		MB,PL,R,FNUC,SOMEWHAT HISB,GSBM,PAIR/4108B/4108A,R=G	
<b>NGC 4108A</b>	<b>Dra</b>			<b>Galaxy SBbc:</b>	
Mar 06 2003	12.5"	9mmT6		EDIF,EF,ES,PATCH,AV,PAIR/4108B/4108,R=P	
<b>NGC 4108B</b>	<b>Dra</b>			<b>Galaxy SAB(s)d pec?</b>	
Mar 06 2003	12.5"	9mmT6		SUSP ONLY,LOCATION GOOD,PAIR/4108/4108A,R=P	
<b>NGC 4120</b>	<b>Dra</b>		<b>H904-3</b>	<b>Galaxy SA(rs)cd:</b>	<b>EF,VS,E</b>
Mar 06 2003	12.5"	9mmT6		DIF,PF,PS,OVAL,PATCH,*NUC,R=F	

# Circumpolar Observations

<b>NGC 4121</b>	<b>Dra</b>		<b>Galaxy E</b>	<b>F,VS,LE,R</b>
Mar 06 2003	12.5"	9mmT6	MF,VS,PATCH,*NUC,SMALL NUC,PAIR/4125,R=F	
<b>NGC 4125</b>	<b>Dra</b>		<b>Galaxy E6 pec</b>	<b>PB,PL,CE,MBM</b>
Mar 06 2003	12.5"	9mmT6	VB,PL,BNUC,HISB,GMBM,PAIR/4121,R=E	
<b>NGC 4127</b>	<b>Cam</b>		<b>H279-1 Galaxy SAc?</b>	<b>F,PL,VLE,GLBM</b>
Mar 06 2003	12.5"	9mmT6	DIF,PF,MS,R,PATCH,UB,NND,R=F	
<b>NGC 4128</b>	<b>Dra</b>		<b>H263-1 Galaxy SA0: sp</b>	<b>CB,LE,BM</b>
Mar 06 2003	12.5"	9mmT6	MB,MS,ELONG,FNUC,SMALL BRT NUC,MOD HISB MIDDLE,R=F	
<b>NGC 4133</b>	<b>Dra</b>		<b>H278-1 Galaxy SABb:</b>	<b>PB,CL,R,GMBM</b>
Mar 06 2003	12.5"	9mmT6	DIF,R,PATCH,UB,R=F	
<b>NGC 4141</b>	<b>UMa</b>		<b>H795-3 Galaxy SBcd:</b>	<b>VF,PS,LE,GBM,R</b>
Mar 06 2003	12.5"	9mmT6	EDIF,EF,ES,PATCH,AV,R=P	
<b>NGC 4142</b>	<b>UMa</b>		<b>H814-3 Galaxy SB(s)d:</b>	<b>VF,S,IF,VGLBM,ER</b>
Mar 06 2003	12.5"	9mmT6	VDIF,VF,MS,PATCH,UB,AV,R=P	
<b>NGC 4149</b>	<b>UMa</b>		<b>H802-2 Galaxy S?</b>	<b>F,S,E</b>
Mar 06 2003	12.5"	9mmT6	MF,MS,ELONG,UB,NND,R=F	
<b>NGC 4157</b>	<b>UMa</b>		<b>H208-1 Galaxy SAB(s)b? sp</b>	<b>PF,CL,VME60,(DOUBLE)</b>
Apr 23 2003	12.5"	9mmT6	VF,EL,EDGE ON,BNUC,MOD HISB,DUST LANE SUSP,RES 7331,CENTRAL BULGE,R=E	
<b>NGC 4159</b>	<b>Dra</b>		<b>H941-3 Galaxy S?</b>	<b>EF,PS,R,TRI2*</b>
Mar 06 2003	12.5"	9mmT6	EDIF,EF,ES,AV,SUSP ONLY,LOCATION GOOD,R=P	
<b>NGC 4161</b>	<b>UMa</b>		<b>H803-2 Galaxy S?</b>	<b>F,S,R</b>
Apr 23 2003	12.5"	9mmT6	PB,ML,ELONG,PATCH,SOMEWHAT HISB,B* SURROUNDS OBJECT,GBM,R=G	
<b>NGC 4172</b>	<b>UMa</b>		<b>H792-2 Galaxy S?</b>	<b>F,S,LE,GBM</b>
Apr 23 2003	12.5"	9mmT6	DIF,PF,ML,OVAL,PATCH,FNUC,R=F	
<b>NGC 4181</b>	<b>CVn</b>		<b>H777-3 Galaxy E</b>	<b>EF,S,STELLAR</b>
Apr 23 2003	12.5"	9mmT6	PF,MS,PATCH,NND,CLOSE TO *,R=F	
<b>NGC 4187</b>	<b>CVn</b>		<b>H813-2 Galaxy E</b>	<b>PB,S,LE</b>
Apr 23 2003	12.5"	9mmT6	PF,PS,OVAL,R,PATCH,FNUC,1 OF 4 COMP,R=F	
<b>NGC 4187B</b>	<b>CVn</b>		<b>Galaxy</b>	
Apr 23 2003	12.5"	9mmT6	EEDIF,EF,ES,PATCH,AV,SUSP,2 OF 4 COMP,R=P	
<b>NGC 4187C</b>	<b>CVn</b>		<b>Galaxy</b>	
Apr 23 2003	12.5"	9mmT6	EDIF,VF,VS,PATCH,UB,AV,SUSP,3 OF 4 COMP,R=P	
<b>NGC 4194</b>	<b>UMa</b>		<b>H867-2 Galaxy IBm pec</b>	<b>PB,VS,VSBM*12</b>
Apr 23 2003	12.5"	9mmT6	PB,ML,OVAL,R,BNUC,MOD HISB,GMBM,R=G	
<b>NGC 4195</b>	<b>UMa</b>		<b>H796-3 Galaxy SB(s)cd</b>	<b>EF</b>
Apr 23 2003	12.5"	9mmT6	EDIF,EF,ES,PATCH,AV,SUSP,R=P	

# Circumpolar Observations

<b>NGC 4198</b>	<b>UMa</b>		<b>H793-2</b>	<b>Galaxy S0/a</b>	<b>PF,PS,LE,GBM</b>
Apr 23 2003	12.5"	9mmT6	MB,MS,OVAL,R,PATCH,FNUC,BETWEEN 2*S,R=F		
<b>NGC 4199</b>	<b>UMa</b>		<b>H797-3</b>	<b>Galaxy Sb</b>	<b>VF,S</b>
Apr 23 2003	12.5"	9mmT6	VDIF,VF,MS,PATCH,UB,NND,R=P		
<b>NGC 4205</b>	<b>Dra</b>			<b>Galaxy S?</b>	<b>PB,PS,R,*12F,LN</b>
Apr 23 2003	12.5"	9mmT6	PB,ML,PATCH,BNUC,MOD HISB,F* IN GAL,GMBM,R=G		
<b>NGC 4210</b>	<b>Dra</b>		<b>H850-3</b>	<b>Galaxy SB(r)b</b>	<b>PF,PS,R,VGBM</b>
Apr 23 2003	12.5"	9mmT6	MF,PL,OVAL,R,PATCH,MOD HISB,PAIR=4221/PGC39058,R=G		
<b>NGC 4221</b>	<b>Dra</b>			<b>Galaxy (R)SB(r)0+</b>	<b>PB,S,R,PSBM</b>
Apr 23 2003	12.5"	9mmT6	PB,PL,R,BNUC,MOD HISB,LARGE NUC AREA,HISB MIDDLE,PAIR=4210/PGC39058,R=G		
<b>NGC 4236</b>	<b>Dra</b>		<b>H51-5</b>	<b>Galaxy SB(s)dm</b>	<b>VF,EL,ME160,VGBM</b>
Apr 23 2003	12.5"	9mmT6	DIF,MF,EL,ELONG,PATCH,LARGE,PATCHES DET,H2 REGIONS SUSP,R=G		
<b>NGC 4238</b>	<b>Dra</b>		<b>H851-3</b>	<b>Galaxy Sd</b>	<b>VF,PS,IR,VGLBM</b>
Apr 23 2003	12.5"	9mmT6	DIF,PF,MS,OVAL,PATCH,UB,NND,R=P		
<b>NGC 4250</b>	<b>Dra</b>		<b>H264-1</b>	<b>Galaxy SAB(r)0+</b>	<b>PB,S,R,PGBM</b>
Feb 04 2005	31"	17mmT4	PB,ML,R,LARGE BNUC,HISB MIDDLE,GMBM,R=G		
<b>NGC 4256</b>	<b>Dra</b>		<b>H846-2</b>	<b>Galaxy SA(s)b: sp</b>	<b>PB,L,CE38,BMBN</b>
Feb 04 2005	31"	17mmT4	PB,ML,EDGE ON,SMALL BNUC,CENTRAL BULGE,HISB MIDDLE,BM,DUST SUSP,R=E		
<b>NGC 4271</b>	<b>UMa</b>		<b>H804-2</b>	<b>Galaxy S0-:</b>	<b>PB,PL,IF</b>
Feb 04 2005	31"	17mmT4	PB,MS,OVAL,LARGE BNUC,F* OFF ONE SIDE,ANOTHER OFF END,MOD HISB MID,PAIR=MAC,R=G		
<b>NGC 4284</b>	<b>UMa</b>		<b>H798-3</b>	<b>Galaxy Sbc</b>	<b>CF,LE,P OF 2</b>
Feb 04 2005	31"	17mmT4	MB,PS,ELONG,VERY SMALL FNUC,* OFF ONE EDGE,R=F,PAIR=4290,R=F		
<b>NGC 4290</b>	<b>UMa</b>		<b>H805-2</b>	<b>Galaxy SB(rs)ab:</b>	<b>PB,L,R,GMBM</b>
Feb 04 2005	31"	17mmT4	PB,ML,OVAL,SMALL BNUC,SHISB,HISB MIDDLE,BM,PAIR=4284,R=G		
<b>NGC 4291</b>	<b>Dra</b>		<b>H275-1</b>	<b>Galaxy E</b>	<b>PB,VS,R,LBM,3*F</b>
Feb 04 2005	31"	17mmT4	PB,MS,OVAL,SMALL BNUC,MOD HISB,2*S 90 DEG ON EDGE,PAIRS=4319/PGC39763/MAC,R=G		
<b>NGC 4319</b>	<b>Dra</b>		<b>H276-1</b>	<b>Galaxy SB(r)ab</b>	<b>PB,PS,VLE,SBM</b>
Feb 04 2005	31"	17mmT4	PB,ML,OVAL,SMALL FNUC,SHISB,* OFF EDGE,GMBM,PAIRS=4291/PGC39763/MAC,R=G		
<b>NGC 4331</b>	<b>Dra</b>		<b>H942-3</b>	<b>Galaxy Im?</b>	<b>EF,E0</b>
Feb 04 2005	31"	17mmT4	PF,MS,EDGE ON,UB,NND,F* IN TIP,R=F		
<b>NGC 4332</b>	<b>Dra</b>		<b>H847-2</b>	<b>Galaxy SB(s)a</b>	<b>PF,S,VLE,VGBM</b>
Feb 04 2005	31"	17mmT4	MB,PL,ELONG,EDGE ON,LARGE BNUC,ALMOST EDGE ON,MOD HISB MIDDLE,BM,R=G		
<b>NGC 4335</b>	<b>UMa</b>		<b>H806-2</b>	<b>Galaxy E</b>	<b>PB,S,E,GBM</b>
Feb 04 2005	31"	17mmT4	MB,PL,OVAL,LARGE BNUC,HISB MIDDLE,GMBM,R=G		
<b>NGC 4358</b>	<b>UMa</b>		<b>H799-3</b>	<b>Galaxy S0</b>	<b>CF,CS,LE</b>
Feb 04 2005	31"	17mmT4	VF,ES,R,* NUC OR VF* IN GAL,INTERACT=4364,PAIRS=4362/MAC,R=P		

# Circumpolar Observations

<b>NGC 4362</b>	<b>UMa</b>	<b>H800-3</b>	<b>Galaxy S?</b>	<b>VF,CS,R,R</b>
Feb 04 2005	31"	17mmT4	MF,MS,OVAL,SMALL FNUC,GRADUALLY BM,PAIRS=4364/4358,R=F	
<b>NGC 4363</b>	<b>Dra</b>	<b>H938-3</b>	<b>Galaxy SAB:</b>	<b>EF,PL,IF</b>
Feb 04 2005	31"	17mmT4	PF,ML,OVAL,PATCH,UB,NND,F* OFF ONE EDGE,R=F	
<b>NGC 4364</b>	<b>UMa</b>	<b>H801-3</b>	<b>Galaxy S0</b>	<b>CF,CS,R</b>
Feb 04 2005	31"	17mmT4	MF,MS,OVAL,LARGE FNUC,SLIGHTLY HISB MIDDLE,INTERACT=4358,PAIR=4362,R=G	
<b>NGC 4384</b>	<b>UMa</b>	<b>H879-3</b>	<b>Galaxy Sa</b>	<b>CF,S,IR</b>
Feb 04 2005	31"	17mmT4	MB,MS,OVAL,LARGE NUC,SHISB,GRADUALLY BM,R=G	
<b>NGC 4386</b>	<b>Dra</b>	<b>H277-1</b>	<b>Galaxy SAB0^:</b>	<b>PB,CL,LE,PSMBM</b>
Feb 04 2005	31"	17mmT4	PB,ML,OVAL,LARGE BNUC,MOD HISB,BM,R=G	
<b>NGC 4391</b>	<b>Dra</b>	<b>H852-3</b>	<b>Galaxy SA0-:</b>	<b>CF,S,R,SBM,***SP</b>
Feb 04 2005	31"	17mmT4	MB,PS,OVAL,SMALL BNUC,MOD HISB,R=G	
<b>NGC 4441</b>	<b>Dra</b>	<b>H848-2</b>	<b>Galaxy SAB0+ pec</b>	<b>PB,S,IR,BM</b>
Feb 04 2005	31"	17mmT4	MB,MS,OVAL,LARGE FNUC,SHISB,R=G	
<b>NGC 4481</b>	<b>Dra</b>		<b>Galaxy</b>	<b>PF,VS,R,*13ATT</b>
Feb 04 2005	31"	17mmT4	MF,PS,EDGE ON,UB,NND,SHISB,CENTRAL BULGE,R=G	
<b>NGC 4500</b>	<b>UMa</b>	<b>H234-1</b>	<b>Galaxy SB(s)a</b>	<b>B,CS,E,PGBM,*9F50"</b>
Feb 04 2005	31"	17mmT4	PB,MS,ELONG,SMALL BNUC,HISB MIDDLE,BM,TAPPERED ENDS,R=G	
<b>NGC 4510</b>	<b>Dra</b>		<b>Galaxy E</b>	<b>CL,VS,ST F,MC</b>
Feb 04 2005	31"	17mmT4	MB,VS,OVAL,SMALL BNUC,R=G	
<b>NGC 4511</b>	<b>UMa</b>	<b>H834-3</b>	<b>Galaxy Sbc</b>	<b>PF,VS,IR,VGBM</b>
Feb 04 2005	31"	17mmT4	PF,MS,OVAL,UB,NND,PATCHY,R=F	
<b>NGC 4512</b>	<b>Dra</b>		<b>Galaxy SB(s)dm</b>	<b>PB,S,R,PSBM</b>
Feb 04 2005	31"	17mmT4	VDIF,EF,PL,PATCH,UB,NND,PAIR=4521,R=P	
<b>NGC 4513</b>	<b>Dra</b>		<b>Galaxy (R)SA0^</b>	<b>F,R,(VS CL)</b>
Feb 04 2005	31"	17mmT4	MF,PS,,OVAL,SMALL FNUC,PAIRS=PGC'S,R=F	
<b>NGC 4521</b>	<b>Dra</b>	<b>H849-2</b>	<b>Galaxy S0/a</b>	<b>PB,S,PME,PGBM,*P12S</b>
Feb 04 2005	31"	17mmT4	PB,ML,EDGE ON,LARGE BNUC,HISB,CENTRAL BULGE,HISB MIDDLE,GMBM,PAIR=4512,R=G	
<b>NGC 4537</b>	<b>CVn</b>		<b>Galaxy S</b>	<b>EEF,S,R,NEARLYBET2ST</b>
Mar 04 2006	31"	17mmT4	MF,PS,OVAL,PATCH,SMALL FNUC,PAIR=4542,R=F	
<b>NGC 4542</b>	<b>CVn</b>		<b>Galaxy S</b>	<b>EF,PL,R</b>
Mar 04 2006	31"	17mmT4	MF,MS,OVAL,LARGE BNUC,MOD HISB MIDDLE,PAIR=4537,R=G	
<b>NGC 4545</b>	<b>Dra</b>	<b>H850-2</b>	<b>Galaxy SB(s)cd:</b>	<b>F,L,IR,VGBM,S*NF</b>
Feb 23 2006	31"	17mmT4	VF,VL,OVAL,R,UB,NND,* OUTER EDGE,PATCHY AREAS DET,HISB,R=E	
<b>NGC 4547</b>	<b>UMa</b>	<b>H802-3</b>	<b>Galaxy E/S0</b>	<b>VF,PS,E,VGBM,*9F,PO2</b>
Mar 26 2006	31"	17mmT4	PF,MS,R,SMALL BNUC,VERY CLOSE COMP=PGC41897,OTHER PAIRS,R=F	

# Circumpolar Observations

<b>NGC 4549</b>	<b>UMa</b>		<b>H807-3</b>	<b>Galaxy</b>	<b>EF,PS,E,F OF 2</b>
Mar 26 2006	31"	17mmT4	VF,PS,ELONG,PATCH,UB,NND,OTHER PAIRS,R=P		
<b>NGC 4566</b>	<b>UMa</b>		<b>H880-3</b>	<b>Galaxy S</b>	<b>PF,S,IR,GBM</b>
Mar 26 2006	31"	17mmT4	MB,MS,OVAL,R,SBNUC,FAINT HALO AROUND NUC,SMBM,MOD HISB MIDDLE,R=G		
<b>NGC 4572</b>	<b>Dra</b>		<b>H939-3</b>	<b>Galaxy S</b>	<b>EF,S</b>
Feb 23 2006	31"	17mmT4	PF,MS,EDGE ON,PATCH,UB,NND,TAPPERED ENDS,CENTRAL BULGE,PAIR=MAC,R=F		
<b>NGC 4589</b>	<b>Dra</b>		<b>H273-1</b>	<b>Galaxy E2</b>	<b>CB,L,LE,PGMBM</b>
Feb 23 2006	31"	17mmT4	EB,VL,OVAL,LARGE BNUC,HISB,SEVERAL *S AROUND NUC ON EDGE,SMBM,R=E		
<b>NGC 4605</b>	<b>UMa</b>		<b>H254-1</b>	<b>Galaxy SB(s)c pec</b>	<b>B,L,VME118,GLBM</b>
Mar 26 2006	31"	17mmT4	EB,VL,ELONG,UB,HISB PATCHES DET,* OFF ONE SIDE,CENTRAL BULGE,R=E		
<b>NGC 4617</b>	<b>CVn</b>		<b>H744-2</b>	<b>Galaxy Sb</b>	<b>PF,S,IR,ER</b>
Mar 04 2006	31"	17mmT4	MB,MS,EDGE ON,UB,NND,MOD HISB,CIGAR SHAPE,* OFF NUC,R=G		
<b>NGC 4644</b>	<b>UMa</b>		<b>H794-2</b>	<b>Galaxy SBb:</b>	<b>VF,S,R,GBM</b>
Mar 26 2006	31"	17mmT4	MF,MS,ELONG,LFNUC,SOMEWHAT HISB MIDDLE,CLOSE COMP=PGC42725,R=F		
<b>NGC 4646</b>	<b>UMa</b>		<b>H794-2</b>	<b>Galaxy S0?</b>	<b>F,S,4VS*SP</b>
Mar 26 2006	31"	17mmT4	MB,MS,OVAL,LBNUC,* OFF EDGE,GMBM,HISB MIDDLE,PAIR=MAC,R=G		
<b>NGC 4648</b>	<b>Dra</b>		<b>H274-1</b>	<b>Galaxy E3</b>	<b>PB,CS,R,GBM,**P</b>
Feb 23 2006	31"	17mmT4	PB,PL,R,LARGE BNUC,HISB MIDDLE,GRADUALLY MBM,R=G		
<b>NGC 4652</b>	<b>UMa</b>			<b>Galaxy Sb</b>	<b>PF,PL,GBM,2B*6'NP</b>
Mar 26 2006	31"	17mmT4	PF,PS,ELONG,LARGE FNUC,VF* IN EDGE,R=F		
<b>NGC 4669</b>	<b>UMa</b>			<b>Galaxy S</b>	<b>F,E,(RESOLVABLE)</b>
Mar 26 2006	31"	17mmT4	MF,MS,ELONG,UB,NND,SHISB,CIGAR SHAPE,SOMEWHAT HISB,R=F		
<b>NGC 4675</b>	<b>UMa</b>		<b>H778-3</b>	<b>Galaxy SBb:</b>	<b>CF,S,LE</b>
Mar 26 2006	31"	17mmT4	MF,MS,ELONG,UB,NND,SHISB,PAIR=PGC43028,R=F		
<b>NGC 4686</b>	<b>UMa</b>		<b>H795-2</b>	<b>Galaxy Sa</b>	<b>PF,VS,VME,VSMBM</b>
Mar 26 2006	31"	17mmT4	MB,ML,ELONG,LBNUC,FAINT HALO,ARMS,HISB MIDDLE,GMBM,BM,R=G		
<b>NGC 4693</b>	<b>Dra</b>		<b>H906-3</b>	<b>Galaxy Sd</b>	<b>VF,PLE</b>
Feb 23 2006	31"	17mmT4	MF,ML,EDGE ON,UB,NND,CIGAR SHAPE,R=G		
<b>NGC 4695</b>	<b>UMa</b>		<b>H796-2</b>	<b>Galaxy S</b>	<b>EF,PS,VLE,MBMN</b>
Mar 26 2006	31"	17mmT4	MF,MS,ELONG,PATCH,UB,NND,VF* IN TIP,CLOSE COMP NOT DET,R=F		
<b>NGC 4707</b>	<b>CVn</b>		<b>H815-3</b>	<b>Galaxy Sm:</b>	<b>S,STELLAR</b>
Mar 04 2006	31"	17mmT4	DIF,VF,ML,OVAL,R,VERY SMALL BNUC,BM,STELLAR LIKE NUC,F PATCH AROUND NUC,R=F		
<b>NGC 4732</b>	<b>UMa</b>		<b>H814-2</b>	<b>Galaxy E</b>	<b>F,S,VSMBM</b>
Mar 26 2006	31"	17mmT4	MB,MS,ELONG,LARGE BNUC,SOMEWHAT HISB MIDDLE,R=G		
<b>NGC 4749</b>	<b>Dra</b>		<b>H907-3</b>	<b>Galaxy Sb? sp</b>	<b>VF,CL,E135</b>
Feb 23 2006	31"	17mmT4	MF,MS,EDGO ON,PATCH,UB,NND,MOD HISB,CIGAR SHAPE,R=G		

# Circumpolar Observations

<b>NGC 4750</b>	<b>Dra</b>		<b>H78-4</b>	<b>Galaxy (R)SA(rs)ab</b>	<b>PB,L,R,VG,VSBM</b>
Feb 23 2006	31"	17mmT4	PB,PL,R,SMALL BNUC,HISB,SUDDENLY MBM,DARK PATCHES,FARMS,F HALO AROUND NUC,R=E		
<b>NGC 4801</b>	<b>UMa</b>		<b>H816-3</b>	<b>Galaxy L</b>	<b>EF,S,LE</b>
Mar 26 2006	31"	17mmT4	MF,PS,OVAL,SMALL BNUC,R=F		
<b>NGC 4814</b>	<b>UMa</b>		<b>H243-1</b>	<b>Galaxy SA(s)b</b>	<b>B,PS,VLE,VGBM</b>
Mar 26 2006	31"	17mmT4	MB,ML,OVAL,SBNUC,MHISB,GMBM,SMALL R NUC,HISB MIDDLE,R=G		
<b>NGC 4834</b>	<b>CVn</b>		<b>H817-3</b>	<b>Galaxy Sbc</b>	<b>VF,S,IR,BM</b>
Mar 17 2007	31"	17mmT4	MF,MS,OVAL,LARGE FNUC,SOMEWHAT HISB,GMBM,R=F		
Mar 04 2006	31"	17mmT4	MF,MS,OVAL,LARGE NUC,MOD HISB MIDDLE,SMBM,R=F		
<b>NGC 4857</b>	<b>Dra</b>		<b>H908-3</b>	<b>Galaxy SABb</b>	<b>EF,VS,IR,VLBM</b>
Feb 23 2006	31"	17mmT4	PF,PS,R,LARGE BNUC,MOD HISB MIDDLE,BM,R=G		
<b>NGC 4932</b>	<b>CVn</b>		<b>H818-3</b>	<b>Galaxy SA(r)c</b>	<b>CF,S,R,VGLBM</b>
Apr 14 2004	31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,SHISB,R=F		
<b>NGC 4938</b>	<b>CVn</b>			<b>Galaxy S?</b>	<b>EF,R,PSBM</b>
Apr 14 2004	31"	17mmT4	MF,MS,OVAL,SMALL FNUC,PAIR=MAC,R-F		
<b>NGC 4964</b>	<b>UMa</b>		<b>H779-3</b>	<b>Galaxy S?</b>	<b>EF,S,LE</b>
Apr 14 2004	31"	17mmT4	MF,MS,PATCH,UB,NND,SHISB,F* ON EDGE,R=F		
<b>NGC 4967</b>	<b>UMa</b>		<b>H783-3</b>	<b>Galaxy E</b>	<b>VF,S,E,*ATT</b>
Apr 14 2004	31"	17mmT4	MF,PS,OVAL,SMALL FNUC,R=F		
<b>NGC 4972</b>	<b>UMi</b>		<b>H937-3</b>	<b>Galaxy S0?</b>	<b>VF,S,IR,BM</b>
Apr 14 2004	31"	17mmT4	MF,MS,OVAL,SMALL FNUC,UNIDENTIFIED COMP CLOSE BY,R=F		
<b>NGC 4973</b>	<b>UMa</b>		<b>H781-3</b>	<b>Galaxy E/S0</b>	<b>VF,S</b>
Apr 14 2004	31"	17mmT4	MF,MS,OVAL,R,SMALL BNUC,BM,PAIRS/MANY,R=F		
<b>NGC 4974</b>	<b>UMa</b>		<b>H782-3</b>	<b>Galaxy E/S0</b>	<b>VF,S</b>
Apr 14 2004	31"	17mmT4	MF,MS,OVAL,R,SMALL BNUC,BM,PAIRS=4973 GROUP,R=F		
<b>NGC 4977</b>	<b>UMa</b>		<b>H780-3</b>	<b>Galaxy SA(r)b</b>	<b>CF,S</b>
Apr 14 2004	31"	17mmT4	MF,PS,OVAL,LARGE FNUC,R=F		
<b>NGC 4987</b>	<b>CVn</b>		<b>H815-2</b>	<b>Galaxy E</b>	<b>VF,VS,STELLAR</b>
Apr 14 2004	31"	17mmT4	MF,MS,OVAL,SMALL BNUC,BM,PAIRS=PGC45564/PGC45520,R=F		
<b>NGC 4998</b>	<b>CVn</b>		<b>H819-3</b>	<b>Galaxy Sc</b>	<b>VF</b>
Apr 14 2004	31"	17mmT4	MF,MS,OVAL,LARGE FNUC,UNKNOWN COMP 3.6' TO S,R=F		
<b>NGC 5001</b>	<b>UMa</b>			<b>Galaxy SB</b>	<b>PF,S,IR,GBM</b>
Apr 14 2004	31"	17mmT4	MF,MS,R,SMALL BNUC,MHISB,R=F		
<b>NGC 5007</b>	<b>UMa</b>		<b>H848-3</b>	<b>Galaxy S0-:</b>	<b>VF,VS</b>
Apr 14 2004	31"	17mmT4	MF,MS,OVAL,R,SMALL BNUC,PAIR=PGC45617,R=F		

# Circumpolar Observations

<b>NGC 5009</b>	<b>CVn</b>		<b>H820-3</b>	<b>Galaxy SBb</b>	<b>VF,R,BET2VS*</b>
Apr 14 2004	31"	17mmT4	MF,PS,OVAL,PATCH,UB,NND,R=F		
<b>NGC 5034</b>	<b>UMi</b>		<b>H909-3</b>	<b>Galaxy S?</b>	<b>VF,VS,R</b>
Apr 14 2004	31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,R=F		
<b>NGC 5040</b>	<b>CVn</b>		<b>H816-2</b>	<b>Galaxy S</b>	<b>F,S,IR,VGMBM</b>
Apr 14 2004	31"	17mmT4	MF,PS,R,SMALL BNUC,PAIR=MAC,R=F		
<b>NGC 5109</b>	<b>UMa</b>		<b>H826-2</b>	<b>Galaxy S</b>	<b>CF,S,CE</b>
Apr 14 2004	31"	17mmT4	DIF,PF,MS,ELONG,UB,CENTRAL BULDGE,PAIR=5113,R=F		
<b>NGC 5113</b>	<b>UMa</b>		<b>H808-3</b>	<b>Galaxy Sbc</b>	<b>CF,S,E,(=5109)</b>
Apr 14 2004	31"	17mmT4	VDIF,VF,PS,ELONG,PATCH,UB,NND,PAIR=5109,R=P		
<b>NGC 5144</b>	<b>UMi</b>		<b>H70-4</b>	<b>Galaxy SAc? pec</b>	<b>(PLN),CB,S,R,G,SLBM</b>
Apr 14 2004	31"	17mmT4	MF,ML,R,SHISB,PATCHY ARMS DETECTED,R=F		
<b>NGC 5163</b>	<b>UMa</b>		<b>H821-3</b>	<b>Galaxy E</b>	<b>CF,STELLAR</b>
Apr 03 2005	31"	17mmT4	MB,PS,OVAL,R,SMALL BNUC,R=F		
<b>NGC 5164</b>	<b>UMa</b>		<b>H784-3</b>	<b>Galaxy SBb</b>	<b>CF,S,IR</b>
Apr 03 2005	31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,PAIR=MAC,R=F		
<b>NGC 5201</b>	<b>UMa</b>		<b>H797-2</b>	<b>Galaxy S?</b>	<b>PF,CS,R,VGLBM</b>
Apr 03 2005	31"	17mmT4	MB,ML,OVAL,SMALL BNUC,KEEP B* OUT OF FOV,R=F		
<b>NGC 5204</b>	<b>UMa</b>		<b>H63-4</b>	<b>Galaxy SA(s)m</b>	<b>PB,CL,IR,GMBM,R</b>
Apr 03 2005	31"	17mmT4	PB,VL,OVAL,UB,NND,SHISB,CLOSE COMP=MAC,PAIRS=MAC,R=G		
<b>NGC 5205</b>	<b>UMa</b>			<b>Galaxy S?</b>	<b>VF,PS,R,BET2VF*</b>
Apr 03 2005	31"	17mmT4	MF,MS,OVAL,VERY SMALL FNUC,SLIGHTLY BM,R=F		
<b>NGC 5216</b>	<b>UMa</b>		<b>H841-2</b>	<b>Galaxy E0 pec</b>	<b>PB,S,VLE</b>
Apr 03 2005	31"	17mmT4	PB,ML,R,LARGE BNUC,SMBM,MOD HISB MIDDLE,R=G		
<b>NGC 5218</b>	<b>UMa</b>		<b>H842-2</b>	<b>Galaxy SB(s)b? pec</b>	<b>PB,PL,R,GBM</b>
Apr 03 2005	31"	17mmT4	PB,ML,OVAL,UB,NND,SHISB,PAIR=5216,R=G		
<b>NGC 5225</b>	<b>CVn</b>		<b>H822-3</b>	<b>Galaxy S?</b>	<b>CF,PS,IR,LBM</b>
Feb 15 2004	31"	17mmT4	MF,MS,OVAL,SMALL BNUC,R=F		
<b>NGC 5238</b>	<b>CVn</b>		<b>H823-3</b>	<b>Galaxy SAB(s)dm</b>	<b>CF,PL,R,VLBM</b>
Feb 15 2004	31"	17mmT4	DIF,PF,VL,OVAL,UB,NND,R=F		
<b>NGC 5250</b>	<b>UMa</b>		<b>H817-2</b>	<b>Galaxy S0</b>	<b>PB,S,R,VGBM</b>
Apr 03 2005	31"	17mmT4	PB,MS,R,SMALL BNUC,SOMEWHAT HISB MIDDLE,R=G		
<b>NGC 5255</b>	<b>UMa</b>		<b>H803-3</b>	<b>Galaxy Sb</b>	<b>VF,VS</b>
Apr 03 2005	31"	17mmT4	MF,VS,SMALL BNUC,R=G		
<b>NGC 5262</b>	<b>UMi</b>			<b>Galaxy S0-:</b>	<b>EF,S</b>
Feb 05 2005	31"	17mmT4	MF,MS,OVAL,SMALL FNUC,,PAIR=PGC47875,R=F		

# Circumpolar Observations

<b>NGC 5278</b>	<b>UMa</b>		<b>H798-2</b>	<b>Galaxy SA(s)b? pec</b>	<b>PF,R,VS NEB40"F,*N</b>
Apr 03 2005	31"	17mmT4	MF,MS,OVAL,UB,NND,CLOSE COMP=5279,PAIRS=PGC'S,R=F		
<b>NGC 5279</b>	<b>UMa</b>			<b>Galaxy SB(s)a pec</b>	<b>F,VS,F OF 2</b>
Apr 03 2005	31"	17mmT4	PF,PS,OVAL,UB,NND,SOMEWHAT HISB,CLOSE COMP=5278,PAIRS=PGC'S,R=F		
<b>NGC 5283</b>	<b>Dra</b>			<b>Galaxy S0?</b>	<b>F,S,STELLAR</b>
Apr 03 2005	31"	17mmT4	MF,PS,R,SMALL BNUC,R=F		
<b>NGC 5294</b>	<b>UMa</b>		<b>H785-3</b>	<b>Galaxy</b>	<b>EF,2ST ATT OR INV</b>
Apr 03 2005	31"	17mmT4	PF,VS,R,UB,NND,F* OFF EDGE,R=F		
<b>NGC 5295</b>	<b>Cam</b>		<b>H946-3</b>	<b>Galaxy</b>	<b>VF,VS,R</b>
Apr 03 2005	31"	17mmT4	PF,PS,OVAL,SMALL FNUC,R=F		
Feb 04 2005	31"	17mmT4	MF,MS,OVAL,SMALL BNUC,R=F		
<b>NGC 5308</b>	<b>UMa</b>		<b>H255-1</b>	<b>Galaxy S0- sp</b>	<b>B,PL,ME57,PSMBEN</b>
Apr 03 2005	31"	17mmT4	PF,PL,EDGE ON,LARGE BNUC,HISB MIDDLE,DUST SUSP,TAPPERED ENDS,BULGE,R=E		
<b>NGC 5314</b>	<b>UMi</b>			<b>Galaxy S?</b>	<b>VF,ES,STELLAR,EF*VNR</b>
Feb 05 2005	31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,SOMEWHAT HISB,R=F		
<b>NGC 5322</b>	<b>UMa</b>		<b>H256-1</b>	<b>Galaxy E3-4</b>	<b>VB,PL,IR,PSMBM</b>
Apr 03 2005	31"	17mmT4	VB,VL,ELONG,OVAL,LARGE BNUC,HISB MIDDLE,* OR COMP OFF NUC,F* ON EDGE,SN?,R=E		
Feb 12 1983	12.5"	16mm	VB,ML,BNUC,R,BM,2F*S OFF IN A LINE		
<b>NGC 5323</b>	<b>UMi</b>		<b>H899-2</b>	<b>Galaxy Sab</b>	<b>VF,PS,LE0</b>
Feb 05 2005	31"	17mmT4	MF,MS,ELONG,EDGE ON,UB,NND,CENTRAL BULGE,R=F		
<b>NGC 5340</b>	<b>UMi</b>			<b>Galaxy S</b>	<b>EF,S,R</b>
May 16 2004	31"	17mmT4	DIF,VF,MS,PATCH,UB,NND,PAIRS=MAC'S,R=P		
<b>NGC 5342</b>	<b>UMa</b>		<b>H849-3</b>	<b>Galaxy S0</b>	<b>EF,VS</b>
May 16 2004	31"	17mmT4	PB,MS,ELONG,LARGE BNUC,R=F		
<b>NGC 5344</b>	<b>UMi</b>			<b>Galaxy</b>	<b>VF,S,R</b>
May 16 2004	31"	17mmT4	PF,MS,OVAL,SMALL FNUC,SLGHTLY BM,R=F		
<b>NGC 5368</b>	<b>UMa</b>		<b>H786-3</b>	<b>Galaxy (R')SABab:</b>	<b>F,CS,R,STELL,*16NF</b>
May 16 2004	31"	17mmT4	MB,MS,OVAL,LARGE BNUC,HISB MIDDLE,GMBM,PAIR=MAC,R=G		
<b>NGC 5370</b>	<b>UMa</b>		<b>H843-2</b>	<b>Galaxy SB(r)0^</b>	<b>F,S</b>
May 16 2004	31"	17mmT4	MF,MS,OVAL,LARGE BNUC,GMBM,SHISB MIDDLE,R=G		
<b>NGC 5372</b>	<b>UMa</b>		<b>H809-3</b>	<b>Galaxy S?</b>	<b>CF,S,E,(**INV)</b>
May 16 2004	31"	17mmT4	PB,ML,ELONG,LARGE BNUC,HISB MIDDLE,R=G		
<b>NGC 5376</b>	<b>UMa</b>		<b>H844-2</b>	<b>Galaxy SAB(r)b?</b>	<b>CB,PL,VLE,VGMBM</b>
May 16 2004	31"	17mmT4	MB,PL,OVAL,PATCH,SHISB,BRT PATCH IN GAL DET CLOSE TO NUC,PAIRS=5389/5379,R=G		
<b>NGC 5379</b>	<b>UMa</b>		<b>H239-1</b>	<b>Galaxy S0</b>	<b>PB,PS,E,MBM</b>
May 16 2004	31"	17mmT4	DIF,MF,ML,OVAL,PATCH,NND,SOMEWHAT BM,PAIRS=5389/5376/P49512,R=F		

# Circumpolar Observations

<b>NGC 5389</b>	<b>UMa</b>		<b>H240-1</b>	<b>Galaxy SAB(r)0/a:?</b>	<b>PB,PL,E,MBMN</b>
May 16 2004	31"	17mmT4	PB,PL,ELONG,LARGE BNUC,MOD HISB,GMBM,TAPPERED ARMS,PAIRS=5379/5376/P49512,R=E		
<b>NGC 5402</b>	<b>UMa</b>		<b>H810-3</b>	<b>Galaxy S?</b>	<b>VF,VS,R</b>
May 16 2004	31"	17mmT4	MF,ML,EDGE ON,NND,F* OFF TIP,SLIGHTLY BRTER ALONG BAR,NO NUC BULGE DET,R=F		
<b>NGC 5412</b>	<b>UMi</b>			<b>Galaxy S0:-</b>	<b>PF,S,R,D*P</b>
May 16 2004	31"	17mmT4	MF,MS,R,LARGE BNUC,MOD HISB MIDDLE,R=G		
<b>NGC 5413</b>	<b>Dra</b>			<b>Galaxy E</b>	<b>PF,PS,R,PSLBM,*7P37S</b>
May 16 2004	31"	17mmT4	MF,MS,R,SMALL FNUC,SUDDENLY BM,LARGE AREA OF ARMS,UB,R=G		
<b>NGC 5415</b>	<b>UMi</b>			<b>Galaxy</b>	<b>EF,VS,R,2F*NR</b>
Mar 06 2003	12.5"	9mmT6	PF,MS,EDGE ON,NND,SBM,LOC IN BARREN * FIELD,R=P		
<b>NGC 5422</b>	<b>UMa</b>		<b>H230-1</b>	<b>Galaxy S0 sp</b>	<b>PB,S,PME45,VSVMBMN</b>
Mar 06 2003	12.5"	9mmT6	PB,ML,EDGE ON,BNUC,HISB,LARGE BRT NUC,MOD HISB MIDDLE,R=G		
<b>NGC 5430</b>	<b>UMa</b>		<b>H827-2</b>	<b>Galaxy SB(s)b</b>	<b>PB,S,IE,MBM</b>
Mar 06 2003	12.5"	9mmT6	MB,PL,OVAL,PATCH,*NUC,R=F		
<b>NGC 5443</b>	<b>UMa</b>		<b>H799-2</b>	<b>Galaxy SB(s)b?</b>	<b>PF,L,E</b>
Mar 06 2003	12.5"	9mmT6	PB,ML,OVAL,PATCH,SOMEWHAT HISB,F* IN EDGE,SBM,R=G		
<b>NGC 5452</b>	<b>UMi</b>		<b>H947-3</b>	<b>Galaxy SAB(s)d</b>	<b>VF,PL,IR,VGV LBM</b>
May 16 2004	31"	17mmT4	VDIF,VF,PL,OVAL,PATCH,UB,NND,R=P		
<b>NGC 5457</b>	<b>UMa</b>	<b>M101</b>		<b>Galaxy SAB(rs)cd</b>	<b>PB,VL,IR,G,VSMBMSN 4</b>
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 06 2003	12.5"	9mmT6	EB,EL,R,BNUC,HISB,FACE ON,KNTS DET,ARMS DET,SPR STR DET,F*S,SMALL RNUC,R=E		
Mar 02 1984	10"	20mm	MB,EL,BNUC,FACE ON,F* JUST N OF NUC,SPR STR SUSP		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Apr 16 1980	6"	24mm			
<b>NGC 5471</b>	<b>UMa</b>			<b>Galaxy</b>	<b>F,S,R,*12,13P</b>
Nov 24 2006	12.5"	12mmT4	VF,VS,R,SMALL FNUC,VERY CLOSE TO M101,R=F		
May 16 2004	31"	17mmT4	MB,MS,R,LARGE BNUC,LARGE NUC AREA,CLOSE TO M101,MOD HISB,PAIR=MAC,R=G		
<b>NGC 5473</b>	<b>UMa</b>		<b>H231-1</b>	<b>Galaxy SAB(s)0:-</b>	<b>PB,S,R,GBM</b>
Mar 06 2003	12.5"	9mmT6	PB,ML,R,BNUC,MOD HISB,R=G		
Jun 11 1983	12.5"	20mm	MB,PS,BNUC,BETWEEN 2 F*S E&W,R,SBM,CLOSE TO M101 (NORTH)		
Mar 27 1981	12.5"	24mm			
<b>NGC 5474</b>	<b>UMa</b>		<b>H214-1</b>	<b>Galaxy S(c)</b>	<b>PB,L,BM</b>
Mar 06 2003	12.5"	9mmT6	PF,PL,R,PATCH,NND,PATCHY,F* IN GAL DET,R=G		
Jun 11 1983	12.5"	20mm	DIF,MB,PL,FNUC,F*NW 1 GAL DIA,OVAL,SMALL BRT NUC,SOUTH OF M101		
Mar 27 1981	12.5"	24mm			
<b>NGC 5475</b>	<b>UMa</b>		<b>H800-2</b>	<b>Galaxy Sa? sp</b>	<b>PB,S,PME,BM</b>
Mar 06 2003	12.5"	9mmT6	MB,PL,ELONG,FNUC,SBM,R=G		

# Circumpolar Observations

<b>NGC 5477</b>	<b>UMa</b>		<b>H790-3</b>	<b>Galaxy SA(s)m</b>	<b>VF,PL</b>
Nov 24 2006	12.5"	12mmT4		VF,MS,OVAL,PATCH,UB,CLOSE TO M101,R=P	
May 16 2004	31"	17mmT4		DIF,PF,VL,OVAL,UB,NND, 2VF*"S IN GAL,R=F	
Mar 06 2003	12.5"	9mmT6		EDIF,EF,MS,PATCH,SUSP ONLY,LOCATION,GOOD,PAIR/5451,R=P	
<b>NGC 5479</b>	<b>UMi</b>			<b>Galaxy E/S0</b>	<b>EF,VS,R,NEARLYBET2*</b>
Mar 06 2003	12.5"	9mmT6		VDIF,VF,PS,PATCH,NND,AV HOLDS,OTHER COMP CLOSE BY,R=P	
<b>NGC 5480</b>	<b>UMa</b>		<b>H692-2</b>	<b>Galaxy SA(s)c:</b>	<b>F,PS,VGBM,NP OF 2</b>
Mar 06 2003	12.5"	9mmT6		DIF,MB,PL,R,PATCH,SBM,LARGER THAN COMP,PAIR/5481,R=F	
<b>NGC 5481</b>	<b>UMa</b>		<b>H693-2</b>	<b>Galaxy E+</b>	<b>F,VS,SMBM,STELL,SF-2</b>
Mar 06 2003	12.5"	9mmT6		DIF,MB,ML,R,PATCH,*NUC,PAIR/5480,R=F	
<b>NGC 5484</b>	<b>UMa</b>		<b>H791-3</b>	<b>Galaxy E2</b>	<b>VF,S,R,4'FROM 5485</b>
Mar 06 2003	12.5"	9mmT6		AV,SUSP ONLY,LOCATION GOOD,PAIR/5486/5485,R=P	
<b>NGC 5485</b>	<b>UMa</b>		<b>H232-1</b>	<b>Galaxy SA0 pec</b>	<b>CB,R,VGBM,F OF 2</b>
Mar 06 2003	12.5"	9mmT6		PB,PL,PATCH,MOD HISB,SGBM,PAIR/5486/5484,R=G	
Mar 27 1981	12.5"	24mm			
<b>NGC 5486</b>	<b>UMa</b>		<b>H801-2</b>	<b>Galaxy SA(s)m:</b>	<b>F,PL</b>
Mar 06 2003	12.5"	9mmT6		VDIF,VF,ML,PATCH,NND,PAIR/5485/5484,R=P	
<b>NGC 5503</b>	<b>UMa</b>			<b>Galaxy</b>	<b>EEF,VS,R,VDIFFIC,</b>
Mar 26 2006	31"	17mmT4		PF,PS,OVAL,UB,NND,R=F	
<b>NGC 5520</b>	<b>Boo</b>		<b>H676-3</b>	<b>Galaxy Sb</b>	<b>F,S,LE,STELLAR</b>
Jun 01 2003	12.5"	9mmT6		DIF,PF,PL,OVAL,PATCH,FNUC,SHISB,SMALL NUC AREA,SBM,R=F	
Mar 06 2003	12.5"	9mmT6		MB,MS,ELONG,BNUC,SMALL BRT NUC,SLIGHTLY HISB,R=F	
<b>NGC 5526</b>	<b>UMa</b>		<b>H804-3</b>	<b>Galaxy Sbc</b>	<b>VF,S,E,R</b>
Mar 06 2003	12.5"	9mmT6		VDIF,VF,PS,ELONG,PATCH,NND,CLOSE COMP NOT DET,R=P	
<b>NGC 5540</b>	<b>UMa</b>		<b>H805-3</b>	<b>Galaxy</b>	<b>EF,VS,R,STELLAR</b>
Mar 06 2003	12.5"	9mmT6		VDIF,VF,VS,PATCH,UB,R=P	
<b>NGC 5547</b>	<b>UMi</b>		<b>H948-3</b>	<b>Galaxy Double System</b>	<b>EF,VS,E0</b>
Mar 06 2003	12.5"	9mmT6		EDIF,EF,PS,PATCH,AV,R=P	
<b>NGC 5561</b>	<b>UMa</b>			<b>Galaxy Sm</b>	<b>EF,PS,R,F*CLOSE P</b>
Jun 01 2003	12.5"	9mmT6		EDIF,EF,ES,PATCH,AV,SUSP,LOC GOOD,R=P	
<b>NGC 5585</b>	<b>UMa</b>		<b>H235-1</b>	<b>Galaxy SAB(s)d</b>	<b>PF,L,IR,VGMBM,R</b>
Jun 01 2003	12.5"	9mmT6		VDIF,VF,VL,OVAL,PATCH,NND,PATCH AREA'S IN VARIOUS PARTS DETECTED,R=F	
<b>NGC 5602</b>	<b>Boo</b>		<b>H694-2</b>	<b>Galaxy Sa</b>	<b>PF,PS,LE,MBM</b>
Jun 01 2003	12.5"	9mmT6		MF,MS,OVAL,FNUC,SHISB,SMALL NUC,R=F	
<b>NGC 5607</b>	<b>UMi</b>		<b>H331-2</b>	<b>Galaxy Pec</b>	<b>PF,CS,IR,BM,ER</b>
Jun 01 2003	12.5"	9mmT6		DIF,VF,MS,PATCH,UB,NND,R=P	

# Circumpolar Observations

<b>NGC 5620</b>	<b>UMi</b>	<b>H319-3</b>	<b>Galaxy</b>	<b>EF,VS</b>
Jun 01 2003	12.5"	9mmT6	VDIF,VF,VS,PATCH,UB,F* JUST TO THE NORTH,R=P	
<b>NGC 5624</b>	<b>Boo</b>		<b>Galaxy S?</b>	<b>EF,S,LE</b>
Jun 01 2003	12.5"	9mmT6	VDIF,VF,VS,PATCH,UB,NND,R=P	
<b>NGC 5631</b>	<b>UMa</b>	<b>H236-1</b>	<b>Galaxy SA(s)0^</b>	<b>B,S,R,PSBMN</b>
Jun 01 2003	12.5"	9mmT6	PB,ML,ELONG,BNUC,SHISB,HALO-ARMS,SMALL BRFT NUC,STELLAR LIKE,GMBM,R=G	
Jun 11 1983	12.5"	20mm	MF,VS,BNUC,SEVERAL F*S TO N,R,GBM,BARREN AREA TO SOUTH	
<b>NGC 5640</b>	<b>Cam</b>	<b>H949-3</b>	<b>Galaxy Ia</b>	<b>EF,S,LE</b>
Jun 01 2003	12.5"	9mmT6	EDIF,EF,VS,PATCH,AV,SUSP,R=P	
<b>NGC 5667</b>	<b>Dra</b>	<b>H807-2</b>	<b>Galaxy Scd: pec</b>	<b>PB,PS,E0</b>
Apr 14 2004	31"	17mmT4	MB,ML,ELONG,SHISB,PATCHY AND DARK AREAS IN CENTRAL REGION DETECTED,R=G	
<b>NGC 5671</b>	<b>UMi</b>	<b>H882-3</b>	<b>Galaxy SB(r)b</b>	<b>VF,PL,R,BM</b>
Jun 01 2003	12.5"	9mmT6	VDIF,VF,PS,PATCH,UB,AV HOLDS,R=P	
<b>NGC 5678</b>	<b>Dra</b>	<b>H237-1</b>	<b>Galaxy SAB(rs)b</b>	<b>B,L,LE0,VGMBM</b>
Apr 14 2004	31"	17mmT4	VB,VL,OVAL,SHISB,GRADUALLY BM,MOD HISB MIDDLE,PAIR=PGC51922,R=G	
Jul 22 1981	12.5"	16mm	OBLONG,SMBM,DIF,DNUC,FAINT HALO	
<b>NGC 5687</b>	<b>Boo</b>	<b>H808-2</b>	<b>Galaxy S0-?</b>	<b>PF,S,IF,RESOLVA,*10F</b>
Apr 14 2004	31"	17mmT4	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	
<b>NGC 5707</b>	<b>Boo</b>		<b>Galaxy Sab: sp</b>	<b>B,PS,R</b>
Apr 14 2004	31"	17mmT4	MB,PL,ELONG,LARGE BNUC,COMP OFF TIP(PGC52269),SHISB MIDDLE,TAPPED ENDS,R=G	
<b>NGC 5712</b>	<b>UMi</b>	<b>H950-3</b>	<b>Galaxy</b>	<b>VF,S,R,S CL P</b>
Jun 01 2003	12.5"	9mmT6	VDIF,VF,VS,PATCH,AV HOLDS,PAIR=IC4470,R=P	
<b>NGC 5720</b>	<b>Boo</b>		<b>Galaxy Sb</b>	<b>EEF,PS,R,BET 2*</b>
Apr 14 2004	31"	17mmT4	MF,PS,OVAL,SMALL FNUC,SBM,R=F	
<b>NGC 5751</b>	<b>Boo</b>	<b>H809-2</b>	<b>Galaxy Scd:</b>	<b>F,S,VLE,TRI2*10,11</b>
Apr 14 2004	31"	17mmT4	PF,ML,OVAL,UB,NND,EGG SHAPE,R-F	
<b>NGC 5777</b>	<b>Dra</b>	<b>H806-3</b>	<b>Galaxy Sb</b>	<b>VF,VS,LE</b>
Apr 14 2004	31"	17mmT4	MF,MS,EDGE ON,LARGE FNUC,CENTRAL BULDGE,DUST SUSP,PAIR=PGC53057,R=F	
<b>NGC 5779</b>	<b>Dra</b>		<b>Galaxy S</b>	<b>VF,PS,LE,LBM</b>
Mar 04 2006	31"	17mmT4	MF,MS,OVAL,LARGE BNUC,MOD HISB,* OFF EDGE,R=G	
<b>NGC 5783</b>	<b>Boo</b>		<b>Galaxy SBc</b>	<b>PB,PS,IR,F*INV</b>
Apr 14 2004	31"	17mmT4	MF,ML,OVAL,PATCH,UB,NND,* IN GAL,PAIR=5788,R=F	
<b>NGC 5788</b>	<b>Boo</b>		<b>Galaxy</b>	<b>EEF,S,R,VDIFFIC,SF-2</b>
Apr 14 2004	31"	17mmT4	DIF,PF,MS,ELONG,PATCH,UB,NND,PAIR=5783,R=F	
<b>NGC 5807</b>	<b>Dra</b>		<b>Galaxy Compact</b>	<b>VF,VS,RESOLVABLE</b>
Apr 14 2004	31"	17mmT4	MF,MS,OVAL,SMALL FNUC,R=F	

# Circumpolar Observations

<b>NGC 5819</b>	<b>UMi</b>		<b>H311-3</b>	<b>Galaxy SAB(rs)bc</b>	<b>F,PL,TRI 2*</b>
Apr 14 2004	31"	17mmT4	MF,PL,OVAL,PATCH,UB,NND,R=F		
<b>NGC 5820</b>	<b>Boo</b>		<b>H756-2</b>	<b>Galaxy S0 sp</b>	<b>B,E90,SBM,B D*F8'</b>
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 *		
<b>NGC 5821</b>	<b>Boo</b>		<b>H811-3</b>	<b>Galaxy S?</b>	<b>VF,S</b>
Jun 21 2003	12.5"	9mmT6	VF,MS,PATCH,UB,NND,GET B* OUT OF FOV,PAIRS/5836/OGC53476,R=F		
<b>NGC 5832</b>	<b>UMi</b>		<b>H332-2</b>	<b>Galaxy SB(rs)b?</b>	<b>PB,CL,IR,BP,R</b>
Apr 14 2004	31"	17mmT4	DIF,PF,VL,OVAL,PATCH,UB,NND,R=G		
<b>NGC 5836</b>	<b>UMi</b>		<b>H312-3</b>	<b>Galaxy SB(rs)b</b>	<b>EF,VS,LE,2*INV</b>
Jun 21 2003	12.5"	9mmT6	MF,ML,R,STELL NUC,SOMEWHAT HISB,F* IN CENTRAL NUC,PAIRS/5821/PGC53476,R=G		
<b>NGC 5862</b>	<b>Dra</b>			<b>Galaxy C</b>	<b>EF,PS,R,VDIFFIC</b>
Apr 23 2003	12.5"	9mmT6	VDIF,VF,VS,OVAL,PATCH,NND,KEEP B* OUT OF FOV,CLOSE TO M102,R=P		
<b>NGC 5866</b>	<b>Dra</b>	<b>M102</b>	<b>H215-1</b>	<b>Galaxy SA0+ sp</b>	<b>VB,CL,PME146,GBM</b>
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Apr 23 2003	12.5"	9mmT6	EB,,VL,OVAL,BNUC,HISB,AWSOME,BEAUTIFUL,TAPPERED ENDS,LARGE NUC AREA,GMBM,R=E		
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		
<b>NGC 5866B</b>	<b>Dra</b>			<b>Galaxy SAB(rs)dm:</b>	
Apr 23 2003	12.5"	9mmT6	VDIF,VF,PL,OVAL,R,PATCH,UB,NND,R=F		
<b>NGC 5870</b>	<b>Dra</b>			<b>Galaxy S0?</b>	<b>EF,PS,LE,VDIFFIC,*F</b>
Apr 23 2003	12.5"	9mmT6	EDIF,EF,ES,OVAL,PATCH,NND,AV HOLDS,CLOSE TO M102,R=P		
<b>NGC 5874</b>	<b>Boo</b>			<b>Galaxy SAB(rs)c</b>	<b>VF,PL,R,INTRI OF3B*</b>
Apr 23 2003	12.5"	9mmT6	PF,VL,OVAL,PATCH,UB,NND,CENTER OF TRI OF *'S,R=G		
<b>NGC 5875</b>	<b>Boo</b>		<b>H755-2</b>	<b>Galaxy SAb:</b>	<b>PB,PL,LE</b>
Apr 23 2003	12.5"	9mmT6	ELONG,PATCH,UB,NND,R=G		
<b>NGC 5876</b>	<b>Boo</b>			<b>Galaxy SB(r)ab:</b>	<b>F,S,R,MBM</b>
Apr 23 2003	12.5"	9mmT6	MB,ML,OVAL,BNUC,MOD HISB,R=G		
<b>NGC 5879</b>	<b>Dra</b>		<b>H757-2</b>	<b>Galaxy SA(rs)bc:?</b>	<b>CB,S,E,MBMRN,R</b>
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		

# Circumpolar Observations

<b>NGC 5881</b>	<b>Dra</b>		<b>H818-2</b>	<b>Galaxy SB(s)dm</b>	<b>PF,CS,R,VGBM</b>
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		
<b>NGC 5894</b>	<b>Dra</b>		<b>H763-2</b>	<b>Galaxy SBdm?</b>	<b>PF,PS,E0</b>
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		
<b>NGC 5902</b>	<b>Boo</b>		<b>H737-3</b>	<b>Galaxy S</b>	<b>VF,VS,STELLAR</b>
Apr 23 2003	12.5"	9mmT6	MF,MS,R,BNUC,MOD HISB,GMBM,R=F		
<b>NGC 5905</b>	<b>Dra</b>		<b>H758-2</b>	<b>Galaxy SB(r)b</b>	<b>PF,PS,IR</b>
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			
<b>NGC 5907</b>	<b>Dra</b>		<b>H759-2</b>	<b>Galaxy SA(s)c: sp</b>	<b>CB,VL,VME155,VGPSBMN</b>
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		
<b>NGC 5908</b>	<b>Dra</b>		<b>H760-2</b>	<b>Galaxy SA(s)b: sp</b>	<b>PF,PS,R</b>
Apr 23 2003	12.5"	9mmT6	PB,PL,EDGE ON,FNUC,SOMEWHAT HISB,LARGE NUC AREA,DARK LANE SUSP,PAIR=5905,R=G		
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			
<b>NGC 5909</b>	<b>UMi</b>		<b>H943-3</b>	<b>Galaxy S?</b>	<b>VF,VS</b>
Apr 23 2003	12.5"	9mmT6	MF,PS,OVAL,PATCH,SMALL NUC,COMP=5912,R=F		
<b>NGC 5912</b>	<b>UMi</b>		<b>H944-3</b>	<b>Galaxy E?</b>	<b>VF,VS</b>
Apr 23 2003	12.5"	9mmT6	MF,PS,OVAL,PATCH,FNUC,COMP=5909,SLIGHTLY BM,R=F		
<b>NGC 5939</b>	<b>UMi</b>			<b>Galaxy S?</b>	<b>PB,PS,LE</b>
Apr 23 2003	12.5"	9mmT6	DIF,PF,MS,OVAL,PATCH,UB,NND,R=F		
<b>NGC 5949</b>	<b>Dra</b>		<b>H906-2</b>	<b>Galaxy SA(r)bc?</b>	<b>F,S,LE45,VGLBM</b>
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		
<b>NGC 5963</b>	<b>Dra</b>		<b>H761-2</b>	<b>Galaxy S pec</b>	<b>PF,PS,IF</b>
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		

# Circumpolar Observations

<b>NGC 5965</b>	<b>Dra</b>		<b>H762-2</b>	<b>Galaxy Sb</b>	<b>CF,CL,LE</b>
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,TAPPED ENDS,PAIR/5963		
<b>NGC 5969</b>	<b>Dra</b>			<b>Galaxy E/S0</b>	<b>ES,R,STELLAR</b>
Apr 23 2003	12.5"	9mmT6	VDIF,VF,VS,PATCH,UB,PAIR=5971,R=P		
<b>NGC 5971</b>	<b>Dra</b>			<b>Galaxy Sa</b>	<b>EEF,VS,R,LBM</b>
Apr 23 2003	12.5"	9mmT6	DIF,PF,PS,PATCH,UB,NND,PAIR=5969,R=F		
<b>NGC 5976</b>	<b>Dra</b>			<b>Galaxy SA0:</b>	<b>EEF,S,R</b>
Apr 23 2003	12.5"	9mmT6	EDIF,EF,ES,PATCH,AV,COMES AND GOES,PAIR=5981,R=P		
<b>NGC 5981</b>	<b>Dra</b>			<b>Galaxy Sc? sp</b>	<b>F,ME</b>
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		
<b>NGC 5982</b>	<b>Dra</b>		<b>H764-2</b>	<b>Galaxy E3</b>	<b>CB,S,R,PSBM,R</b>
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			
<b>NGC 5985</b>	<b>Dra</b>		<b>H766-2</b>	<b>Galaxy SAB(r)b</b>	<b>PB,CL,IE,R</b>
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			
<b>NGC 5987</b>	<b>Dra</b>		<b>H765-2</b>	<b>Galaxy Sb</b>	<b>PF,CS</b>
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		
<b>NGC 5989</b>	<b>Dra</b>		<b>H738-3</b>	<b>Galaxy Scd?</b>	<b>VF,VS</b>
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		
<b>NGC 6011</b>	<b>UMi</b>		<b>H313-3</b>	<b>Galaxy Sb</b>	<b>VF,S,E90,VS*F</b>
Apr 23 2003	12.5"	9mmT6	MF,MS,FNUC,PATCH,F* EDGE OF GAL,R=F		

# Circumpolar Observations

<b>NGC 6015</b>	<b>Dra</b>		<b>H739-3</b>	<b>Galaxy SA(s)cd</b>	<b>VF,PL,R,VGBM</b>
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			
<b>NGC 6019</b>	<b>Dra</b>			<b>Galaxy</b>	<b>EEF,S,R,VDIFFIC</b>
Mar 04 2006	31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,R=F		
<b>NGC 6024</b>	<b>Dra</b>			<b>Galaxy S</b>	<b>PF,PS,R,BM,*CLOSE</b>
Jun 01 2003	12.5"	9mmT6	VDIF,EF,VS,PATCH,CLUSTER OF F*S AROUND OBJECT,HINT OF GAL PRESENT,STELLAR,R=P		
<b>NGC 6048</b>	<b>UMi</b>		<b>H873-2</b>	<b>Galaxy E</b>	<b>F,R,BM</b>
Jun 01 2003	12.5"	9mmT6	DIF,MF,MS,OVAL,PATCH,UB,SHISB,R=F		
<b>NGC 6068</b>	<b>UMi</b>		<b>H973-3</b>	<b>Galaxy SBbc?</b>	<b>VF,VS,LE0,R</b>
Jun 01 2003	12.5"	9mmT6	DIF,VF,MS,OVAL,UB,NND,PAIR=6068A,R=F		
<b>NGC 6068A</b>	<b>UMi</b>			<b>Galaxy S0? sp</b>	
Jun 01 2003	12.5"	9mmT6	VDIF,EF,PS,ELONG,PATCH,AV HOLDS,PAIR=6068,R=P		
<b>NGC 6071</b>	<b>UMi</b>		<b>H883-3</b>	<b>Galaxy SB(s)b</b>	<b>EF,VS</b>
Jun 01 2003	12.5"	9mmT6	EDIF,VF,VS,PATCH,AV HOLDS,R=P		
<b>NGC 6079</b>	<b>UMi</b>		<b>H884-3</b>	<b>Galaxy E</b>	<b>VF,VS</b>
Jun 01 2003	12.5"	9mmT6	PF,PS,R,BNUC,R=F		
<b>NGC 6088</b>	<b>Dra</b>		<b>H812-3</b>	<b>Galaxy</b>	<b>VF,VS,LE</b>
Mar 04 2006	31"	17mmT4	MF,MS,OVAL,SMALL FNUC,SHISB,CAN SEPERATE FROM PGC'S,PAIRS=PGC'S,R=G		
<b>NGC 6090</b>	<b>Dra</b>			<b>Galaxy S0?</b>	<b>VF,S,R</b>
Jun 21 2003	12.5"	9mmT6	PF,ML,OVAL,FNUC,SOMEWHAT HISB,LARGE NUC AREA,2 COMP CLOSE BY,R=F		
<b>NGC 6091</b>	<b>UMi</b>			<b>Galaxy</b>	<b>VF,VS,R,*N</b>
Jun 01 2003	12.5"	9mmT6	EDIF,EF,VS,PATCH,AV,SUSP,R=P		
<b>NGC 6094</b>	<b>UMi</b>		<b>H314-3</b>	<b>Galaxy S0</b>	<b>VF,VS,LE</b>
Apr 14 2004	31"	17mmT4	MF,MS,R,LARGE FNUC,R=F		
<b>NGC 6095</b>	<b>Dra</b>			<b>Galaxy S0-:</b>	<b>EF,PS,R,LINER/2*</b>
Jun 21 2003	12.5"	9mmT6	PB,ML,OVAL,FNUC,SOMEWHAT HISB,SMALL SOFT NUC,2 COMP PRESENT,R=G		
<b>NGC 6111</b>	<b>Dra</b>			<b>Galaxy E/S0</b>	<b>VF,PS,LE,D*NR S</b>
Jun 21 2003	12.5"	9mmT6	PF,MS,OVAL,FNUC,SOFT SMALL NUC,CLOSE COMP=PGC57569,R=F		
<b>NGC 6123</b>	<b>Dra</b>			<b>Galaxy S0/a</b>	<b>PF,VS,E,*NR</b>
Jun 22 2003	12.5"	9mmT6	MB,ML,OVAL,BNUC,SHISB,LARGE NUC ARA,GMBM,R=F		

# Circumpolar Observations

<b>NGC 6128</b>	<b>Dra</b>		<b>Galaxy E</b>	<b>PF,PS,R,BM</b>
Jun 22 2003	12.5"	9mmT6	PB,PL,OVAL,BNUC,VERY HISB,LARGE NUC GOES TO BRT CENTRAL REGION,SMBM,R=G	
Jul 09 1983	12.5"	16mm	MF,MS,BNUC,R,BM	
<b>NGC 6130</b>	<b>Dra</b>		<b>Galaxy SBbc:</b>	<b>PF,PL,R,B*NR P</b>
Jun 22 2003	12.5"	9mmT6	PF,PL,PATCH,UB,NND,B* IN FOV CLOSE BY,R=F	
<b>NGC 6136</b>	<b>Dra</b>		<b>Galaxy Sc</b>	<b>EEF,S,R,VDIFFIC</b>
Jun 22 2003	12.5"	9mmT6	VDIF,VF,MS,PATCH,NND,AV HOLDS,PAIR=PGC57907,R=P	
<b>NGC 6140</b>	<b>Dra</b>		<b>H740-3 Galaxy SB(s)cd pec</b>	<b>CF,PL,IR</b>
Jun 22 2003	12.5"	9mmT6	MB,VL,OVAL,UB,NND,R=G	
Jun 21 2003	12.5"	9mmT6	MF,VL,OVAL,PATCH,UB,NND,MOD HISB,B* OFF ONE SIDE,R=G	
Jul 09 1983	12.5"	16mm	DIF,MF,PL,ELONG,OVAL,NND	
<b>NGC 6143</b>	<b>Dra</b>		<b>H811-2 Galaxy SAB(rs)bc:</b>	<b>PB,IR,VGVLBM</b>
Jun 22 2003	12.5"	9mmT6	PB,ML,PATCH,UB,NND,SHISB,LARGE PATCH,BETWEEN 2F*S,R=G	
<b>NGC 6157</b>	<b>Dra</b>		<b>Galaxy E/S0</b>	<b>EEF,PS,R,VDIFFIC</b>
Jun 22 2003	12.5"	9mmT6	PF,PS,OVAL,PATCH,FNUC,SMALL FAINT NUC,R=F	
<b>NGC 6176</b>	<b>Dra</b>		<b>Galaxy E/S0</b>	<b>EF,ES,VDIFFIC</b>
Mar 04 2006	31"	17mmT4	MF,PS,OVAL,LARGE FNUC,SOMEWHAT HISB MIDDLE,R=F	
<b>NGC 6182</b>	<b>Dra</b>		<b>H813-3 Galaxy Sa</b>	<b>VF,VS,IR</b>
Jun 22 2003	12.5"	9mmT6	PB,ML,OVAL,FNUC,SHISB,SMALL FAINT NUC,SBM,CLOSE COMP=PGC58331,R=F	
<b>NGC 6187</b>	<b>Dra</b>		<b>Galaxy S</b>	<b>VF,VS,LBM</b>
Jun 22 2003	12.5"	9mmT6	DIF,PF,PS,PATCH,UB,NND,R=P	
<b>NGC 6189</b>	<b>Dra</b>		<b>Galaxy Scd:</b>	<b>VF,PS,LE</b>
Jun 22 2003	12.5"	9mmT6	PB,ML,PATCH,NND,MOD HISB TOWARDS MIDDLE,R=G	
<b>NGC 6190</b>	<b>Dra</b>		<b>Galaxy Scd:</b>	<b>VF,PS,R,F*NR</b>
Jun 22 2003	12.5"	9mmT6	PF,PL,PATCH,FNUC,SHISB IN MIDDLE,SBM,R=F	
<b>NGC 6198</b>	<b>Dra</b>		<b>Galaxy E</b>	<b>VF,VS,R,2*F</b>
Jun 22 2003	12.5"	9mmT6	DIF,VF,MS,PATCH,UB,NND,R=P	
<b>NGC 6206</b>	<b>Dra</b>		<b>Galaxy S0:</b>	<b>PF,ES,R,STELL,3VF*NR</b>
Jun 22 2003	12.5"	9mmT6	DIF,PF,MS,PATCH,UB,NND,R=P	
<b>NGC 6211</b>	<b>Dra</b>		<b>Galaxy SB(r)0^ pec:</b>	<b>VF,PS,R,SP OF 2</b>
Jun 22 2003	12.5"	9mmT6	MB,PL,OVAL,FNUC,SHISB,SMALL NUC,GMBM,COMP=6213,OTHERS PRESENT,R=F	
<b>NGC 6213</b>	<b>Dra</b>		<b>Galaxy Early Spiral</b>	<b>EF,VS,R,NF OF 2</b>
Jun 22 2003	12.5"	9mmT6	DIF,PF,ML,PATCH,UB,NND,COMP=6211 AND PGC58783,OTHERS PRESENT,R=F	
<b>NGC 6214</b>	<b>Dra</b>		<b>Galaxy S</b>	<b>EF,VS,R</b>
Jun 22 2003	12.5"	9mmT6	MF,MS,PATCH,UB,NND,R=F	

# Circumpolar Observations

<b>NGC 6217</b>	<b>UMi</b>		<b>H280-1</b>	<b>Galaxy (R)SB(rs)bc</b>	<b>B,CL,LE,SLBM</b>
Jun 22 2003	12.5"	9mmT6		PB,VL,R,FNUC,SHISB,FACE ON,SMALL FAINT NUC,DUST SUSP,FARMS,R=E	
Aug 13 1982	12.5"	16mm		PF,PS,DIF,STELL NUC,OVAL,SBM,NO *S	
<b>NGC 6223</b>	<b>Dra</b>			<b>Galaxy Pec</b>	<b>F,S,R,MBM</b>
Jun 24 2003	12.5"	9mmT6		MB,ML,R,BNUC,SHISB,BMBM,LARGE NUC AREA,R=G	
<b>NGC 6226</b>	<b>Dra</b>			<b>Galaxy Pec</b>	<b>F,S,TRIW/2*12\$14</b>
Jun 24 2003	12.5"	9mmT6		MF,MS,OVAL,R,PATCH,UB,NND,PAIR=PGC58846,R=F	
<b>NGC 6232</b>	<b>Dra</b>			<b>Galaxy (R')SB(s)a</b>	<b>PF,PL,LE</b>
Jun 24 2003	12.5"	9mmT6		MB,PL,OVAL,PATCH,*NUC,STELLAR NUC OR F* IN GAL,PAIR=6236,R=F	
<b>NGC 6236</b>	<b>Dra</b>			<b>Galaxy SAB(s)cd</b>	<b>F,PL</b>
Jun 24 2003	12.5"	9mmT6		DIF,VF,VL,OVAL,PATCH,UB,NND,PAIR=6232,R=P	
<b>NGC 6238</b>	<b>Dra</b>			<b>Galaxy Pec</b>	<b>EEF,ES,EF*NR,VDIFFIC</b>
Jun 24 2003	12.5"	9mmT6		MB,ML,OVAL,FNUC,SLIGHTLY BM,PAIRS=6244/PGC58938,R=F	
<b>NGC 6244</b>	<b>Dra</b>			<b>Galaxy SBa:</b>	<b>VF,VS,R,BET2*,NF OF2</b>
Jun 24 2003	12.5"	9mmT6		MB,ML,ELONG,UB,NND,SHISB,PAIRS=6238/PGC58938,R=F	
<b>NGC 6246</b>	<b>Dra</b>			<b>Galaxy SBb?</b>	<b>EF,S,R</b>
Jun 24 2003	12.5"	9mmT6		MB,VL,OVAL,R,NND,SHISB,PAIR=6246A,R=F	
<b>NGC 6246A</b>	<b>Dra</b>			<b>Galaxy SAB(r)c pec:</b>	
Jun 24 2003	12.5"	9mmT6		PB,MS,OVAL,BNUC,SHISB,SMALL BRT NUC,CLOSE TO B*,PAIR=6246,R=F	
<b>NGC 6247</b>	<b>Dra</b>			<b>Galaxy Pec</b>	<b>F,PS,IF</b>
Jun 24 2003	12.5"	9mmT6		PB,ML,OVAL,FNUC,SOFT SMALL NUC,R=G	
<b>NGC 6248</b>	<b>Dra</b>			<b>Galaxy SBd</b>	<b>EEF,PL,R,VDIFFIC</b>
Jun 24 2003	12.5"	9mmT6		DIF,VF,PL,ELONG,UB,NND,R=F	
<b>NGC 6251</b>	<b>UMi</b>		<b>H974-3</b>	<b>Galaxy E</b>	<b>CF,S,BM,P OF 2</b>
Jun 22 2003	12.5"	9mmT6		PF,MS,PATCH,FNUC,SHISB TOWARDS MIDDLE,SMBM,PAIR=6252,R=F	
<b>NGC 6252</b>	<b>UMi</b>		<b>H975-3</b>	<b>Galaxy S R</b>	<b>VF,VS,F OF 2</b>
Jun 22 2003	12.5"	9mmT6		EDIF,VF,VS,PATCH,NND,AV,PAIR=6251,R=P	
<b>NGC 6258</b>	<b>Dra</b>			<b>Galaxy E</b>	<b>EF,VS,R,B*\$D*P</b>
Jun 24 2003	12.5"	9mmT6		MF,PS,OVAL,PATCH,*NUC,R=F	
<b>NGC 6260</b>	<b>Dra</b>			<b>Galaxy Sc</b>	<b>EF,PS,R,SEV*NR SF</b>
Jun 24 2003	12.5"	9mmT6		PB,MS,PATCH,UB,NND,R=F	
<b>NGC 6275</b>	<b>Dra</b>			<b>Galaxy Compact</b>	<b>EEF,S,LE,VDIFFIC</b>
Jun 24 2003	12.5"	9mmT6		VDIF,EF,PS,OVAL,PATCH,AV COMES AND GOES,LOC GOOD,R=P	
<b>NGC 6285</b>	<b>Dra</b>			<b>Galaxy S0+? pec</b>	<b>EEF,S,R,VDIFFIC,NP-2</b>
Jun 21 2003	12.5"	9mmT6		DIF,PF,PL,PATCH,UB,NND,COMP=6286,R=F	

# Circumpolar Observations

<b>NGC 6286</b>	<b>Dra</b>		<b>Galaxy Sb: pec</b>	<b>EF,PS,R</b>
Jun 21 2003	12.5"	9mmT6	DIF,PF,PL,ELONG,PATCH,UB,NND,COMP=6285,R=F	
<b>NGC 6288</b>	<b>Dra</b>		<b>Galaxy E/S0</b>	<b>EF,VS,R,SP OF 2</b>
Jun 24 2003	12.5"	9mmT6	DIF,MF,MS,OVAL,PATCH,UB,NND,PAIR=6289,R=F	
<b>NGC 6289</b>	<b>Dra</b>		<b>Galaxy E/S0</b>	<b>EF,PL,ME,NF OF 2</b>
Jun 24 2003	12.5"	9mmT6	DIF,MF,MS,OVAL,PATCH,UB,NND,PAIRS=6288/PGC59359,R=F	
<b>NGC 6290</b>	<b>Dra</b>		<b>Galaxy SBa</b>	<b>EF,PS,R,*CLOSE F</b>
Jun 21 2003	12.5"	9mmT6	MB,PS,PATCH,UB,NND,PAIR=6291,R=G	
<b>NGC 6291</b>	<b>Dra</b>		<b>Galaxy SBb</b>	<b>EEF,ES,R</b>
Jun 21 2003	12.5"	9mmT6	MB,PS,PATCH,FNUC,SMALL NUC,PAIR=6290,R=G	
<b>NGC 6292</b>	<b>Dra</b>		<b>Galaxy Sbc</b>	<b>EF,E,VDIFFIC,FST NR</b>
Jun 21 2003	12.5"	9mmT6	PF,MS,PATCH,UB,NND,F* IN AND AROUND GAL,R=F	
<b>NGC 6295</b>	<b>Dra</b>		<b>Galaxy S</b>	<b>EF,S,ME,F*NR</b>
Jul 09 2005	31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,R=F	
<b>NGC 6297</b>	<b>Dra</b>		<b>Galaxy S0</b>	<b>PB,PS,R,BET2*,P OF 2</b>
Jun 21 2003	12.5"	9mmT6	MB,MS,PATCH,UB,NND,MOD HISB,R=G	
<b>NGC 6299</b>	<b>Dra</b>		<b>Galaxy S</b>	<b>VF,VS,R</b>
Jun 21 2003	12.5"	9mmT6	MF,MS,R,FNUC,SHISB,SLIGHTLY BM,R=F	
<b>NGC 6303</b>	<b>Dra</b>		<b>Galaxy E</b>	<b>EF,PL,ME,NR BET 2*</b>
Jun 21 2003	12.5"	9mmT6	MF,MS,PATCH,FNUC,STELL NUC,R=F	
<b>NGC 6306</b>	<b>Dra</b>		<b>Galaxy SB(s)ab pec:</b>	<b>VF,VS,LE</b>
Jun 21 2003	12.5"	9mmT6	PB,PL,PATCH,UB,NND,COMP=6307,R=G	
<b>NGC 6307</b>	<b>Dra</b>		<b>Galaxy (R')SB(s)0/a p</b>	<b>VF,VS,LE,*13NR N</b>
Jun 21 2003	12.5"	9mmT6	MB,ML,OVAL,BNUC,MOD HISB,GBM,F* IN EDGE OF GAL,COMP=6306,R=G	
<b>NGC 6310</b>	<b>Dra</b>		<b>Galaxy Sb: sp</b>	<b>F,PL,LE</b>
Jun 21 2003	12.5"	9mmT6	PB,PL,EDGE ON,UB,NND,SOMEWHAT HISB,R=G	
<b>NGC 6317</b>	<b>Dra</b>		<b>Galaxy L</b>	<b>EEF,S,R,F*NR,SP OF 2</b>
Jun 21 2003	12.5"	9mmT6	EDIF,EF,VS,PATCH,AV COMES AND GOES,LOC GOOD,PAIR=6319,R=P	
<b>NGC 6319</b>	<b>Dra</b>		<b>Galaxy E/S0</b>	<b>VF,VS,R,LBM,NF OF 2</b>
Jun 21 2003	12.5"	9mmT6	MF,PS,OVAL,PATCH,UB,PAIR=6317,R=F	
<b>NGC 6324</b>	<b>UMi</b>		<b>H945-3 Galaxy S?</b>	<b>VF,S,E,S*S</b>
Jun 21 2003	12.5"	9mmT6	MF,MS,PATCH,UB,NND,SHISB,R=G	
<b>NGC 6331</b>	<b>UMi</b>		<b>H951-3 Galaxy E</b>	<b>EF,S</b>
Jun 21 2003	12.5"	9mmT6	DIF,PF,MS,PATCH,UB,NND,OTHERS PRESENT,R=P	

# Circumpolar Observations

<b>NGC 6338</b>	<b>Dra</b>		<b>H812-2 Galaxy S0</b>	<b>F,S,R,VGLBM</b>
Mar 04 2006	31"	17mmT4	MB,ML,R,LARGE BNUC,MHISB,PAIRS=6345/OTHERS,R=G	
Jun 22 2003	12.5"	9mmT6	MB,ML,OVAL,R,BNUC,SHISB,GMBM,CLOSE COMP=PGC59943,CLUSTER 1 OF 5,R=G	
<b>NGC 6340</b>	<b>Dra</b>		<b>H767-2 Galaxy SA(s)0/a</b>	<b>CF,PL,R,VGMBM</b>
Jun 22 2003	12.5"	9mmT6	PB,PL,R,BNUC,MOD HISB,SMALL BRT NUC,FACE ON,SPR STR SUSP,PAIR=IC1251/IC1254,R=G	
Jul 22 1981	12.5"	16mm	ALMOST STELL NUC,DIF HALO,F* SUSP N SIDE	
<b>NGC 6345</b>	<b>Dra</b>		<b>Galaxy S/S0</b>	<b>EEF,VS,R,2ND OF 3</b>
Mar 04 2006	31"	17mmT4	BM,PS,ELONG EDGE ON,SMALL BNUC,BAR LIKE NUC,SMBM,HISB MIDDLE,PAIRS=6338,R=F	
Mar 04 2006	31"	17mmT4	MB,MS,ELONG,SMALL BNUC,MOD HISB MIDDLE,PAIRS=6346/PGC/MAC,R=G	
Jun 22 2003	12.5"	9mmT6	VDIF,VF,MS,PATCH,UB,NND,ELONG,PAIR=6346CLUSTER 2 OF 5,R=P	
<b>NGC 6346</b>	<b>Dra</b>		<b>Galaxy E</b>	<b>EEF,S,R,3RD OF 3</b>
Mar 04 2006	31"	17mmT4	MB,MS,ELONG,LARGE BNUC,MOD HISB MIDDLE,PAIRS=6345/PGC/MAC,R=G	
Jun 22 2003	12.5"	9mmT6	VDIF,VF,MS,PATCH,UB,NND,PAIR=6345,CLUSTER 3 OF 5,R=P	
<b>NGC 6358</b>	<b>Dra</b>		<b>Galaxy S</b>	<b>EF,S,R,D*NR NP</b>
Jun 23 2003	12.5"	9mmT6	PF,MS,PATCH,UB,NND,R=F	
<b>NGC 6359</b>	<b>Dra</b>		<b>Galaxy SA0-:</b>	<b>PB,S,R,BMN=*12</b>
Jun 22 2003	12.5"	9mmT6	PB,PL,OVAL,BNUC,MOD HISB,LARGE BRT NUC,GMBM,R=G	
<b>NGC 6361</b>	<b>Dra</b>		<b>Galaxy SAB: sp</b>	<b>VF,PS,ME,NEAR BET 2*</b>
Apr 26 2006	31"	17mmT4	MF,ML,EDGE ON,UB,NND,THIN SLIVER,SOME CENTRAL BULGING,PAIR=PGC60040,R=G	
Jun 22 2003	12.5"	9mmT6	MB,ML,EDGE ON,NND,CENTRAL BULGE NOT DET,PATCHY AREAS,ELONG,R=F	
<b>NGC 6365A</b>	<b>Dra</b>		<b>Galaxy SBcd:</b>	<b>EEF,PL,IR,EF ST INV</b>
Mar 04 2006	31"	17mmT4	VF,PS,ELONG,UB,NND,CLOSE INTERACTING PAIR 6365,BARELY SEPERATE THE TWO,R=F	
Jun 23 2003	12.5"	9mmT6	VDIF,VF,PS,UB,NND,COMP=6365B,APPEARS AS ONE GAL,ELONG,R=P	
<b>NGC 6365B</b>	<b>Dra</b>		<b>Galaxy S</b>	
Jun 23 2003	12.5"	9mmT6	VDIF,VF,PS,UB,NND,COMP=6365A,APPEARS AS ONE GAL,ELONG,R=P	
<b>NGC 6370</b>	<b>Dra</b>		<b>Galaxy E</b>	<b>VF,VS,R,B*NR N</b>
Jun 23 2003	12.5"	9mmT6	PB,ML,R,BNUC,MOD HISB,CLOSE TO B*,R=G	
<b>NGC 6373</b>	<b>Dra</b>		<b>Galaxy SAB(s)c</b>	<b>EEF,PL,VDIFFIC</b>
Jun 23 2003	12.5"	9mmT6	DIF,VF,MS,OVAL,PACH,UB,NND,R=P	
<b>NGC 6376</b>	<b>Dra</b>		<b>Galaxy S0/a</b>	<b>EEF,ES,R,VDIFFIC</b>
Jun 23 2003	12.5"	9mmT6	PF,MS,UB,NND,AV,COMP=6377,R=F	
<b>NGC 6377</b>	<b>Dra</b>		<b>Galaxy Sa</b>	<b>EF,ES,R,LBM</b>
Jun 23 2003	12.5"	9mmT6	PF,MS,PATHC,FNUC,AV,SMALL NUC,SLIGHTLY BM,COMP=6376,R=F	
<b>NGC 6381</b>	<b>Dra</b>		<b>Galaxy SA(s)c?</b>	<b>VF,PL,E</b>
Jun 23 2003	12.5"	9mmT6	MB,PL,OVAL,PATCH,UB,NND,SHISB,ELONG WITH AV,COMP=PGC60316,R=F	
<b>NGC 6382</b>	<b>Dra</b>		<b>Galaxy S</b>	<b>PF,PS,R</b>
Jun 24 2003	12.5"	9mmT6	PF,MS,ELONG,FNUC,SLIGHTLY BM,R=F	

# Circumpolar Observations

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

# Circumpolar Observations

<b>NGC 6423</b>	<b>Dra</b>		<b>Galaxy C</b>	<b>EEF,VS,R,*CLOSE F</b>
Jun 24 2003	12.5"	9mmT6	DIF,EF,PS,PATCH,AV COMES AND GOES,GROUP OF 6,CLOSEST TO 6419,R=P	
<b>NGC 6424</b>	<b>Dra</b>		<b>Galaxy Compact</b>	<b>VF,PS,R</b>
Jun 24 2003	12.5"	9mmT6	DIF,PF,PS,PATCH,UB,R=F	
<b>NGC 6434</b>	<b>Dra</b>		<b>H741-3 Galaxy SBbc:</b>	<b>VF,VS,R,STELLAR,*8S</b>
Jun 24 2003	12.5"	9mmT6	MF,MS,ELONG,*NUC,SHISB,B* CLOSE BY,R=F	
<b>NGC 6435</b>	<b>Dra</b>		<b>Galaxy Compact</b>	<b>EEF,VS,R,VFD*NR F</b>
Jun 24 2003	12.5"	9mmT6	DIF,PF,PS,OVAL,PATCH,UB,R=F	
<b>NGC 6436</b>	<b>Dra</b>		<b>Galaxy Scd:</b>	<b>EEF,PS,LE,***NR</b>
Jun 24 2003	12.5"	9mmT6	PF,PS,PATCH,UB,NND,3F*S JUST OFF ONE SIDE,R=F	
<b>NGC 6449</b>	<b>Dra</b>		<b>Galaxy Scd:</b>	<b>VF,PS,R</b>
Jun 25 2003	12.5"	9mmT6	PF,MS,OVAL,PATCH,UB,NND,R=F	
<b>NGC 6454</b>	<b>Dra</b>		<b>Galaxy S?</b>	<b>VF,PS,R,LBM</b>
Jun 25 2003	12.5"	9mmT6	MF,MS,PATCH,BNUC,LARGE NUC AREA,PAIR=PGC60781,CLOSE TO 6459,R=F	
<b>NGC 6456</b>	<b>Dra</b>		<b>Galaxy C</b>	<b>EEF,ES,R,VDIFFIC</b>
Mar 26 2006	31"	17mmT4	PF,PS,R,SMALL FNUC,PAIRS=MAC,R=F	
Jun 25 2003	12.5"	9mmT6	EDIF,EF,PS,AV,SUSP,LOC GOOD,GROUP OF 5,R=P	
Jun 24 2003	12.5"	9mmT6	VDIF,VF,PS,PATCH,UB,AV HOLDS AFTER A WHILE,PAIR=6463,R=P	
<b>NGC 6457</b>	<b>Dra</b>		<b>Galaxy S0-:</b>	<b>F,VS,R,BM</b>
Jun 25 2003	12.5"	9mmT6	PF,MS,OVAL,PATCH,FNUC,SMALL NUC AREA,SBM,R=F	
<b>NGC 6459</b>	<b>Dra</b>		<b>Galaxy Sab</b>	<b>EF,ES,R,R</b>
Jun 25 2003	12.5"	9mmT6	MF,MS,OVAL,FNUC,CLOSE TO 6454,R=F	
<b>NGC 6461</b>	<b>Dra</b>		<b>Galaxy</b>	<b>EF,PS,R,5ST NR</b>
Jul 09 2005	31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,R=F	
<b>NGC 6462</b>	<b>Dra</b>		<b>Galaxy E?</b>	<b>F,ES,R,(PLN)</b>
Jun 25 2003	12.5"	9mmT6	MF,MS,R,BNUC,SHISB,LOC IN BARRON * FOV,LARGE NUC,GBM,R=F	
<b>NGC 6463</b>	<b>Dra</b>		<b>Galaxy E</b>	<b>EEF,S,R,VDIFFIC,20F6</b>
Mar 26 2006	31"	17mmT4	MF,MS,R,LARGE BNUC,PAIRS=6472/6477/6470/MAC,R=F	
Jun 25 2003	12.5"	9mmT6	DIF,MV,MS,PATCH,UB,GROUP OF 5,R=P	
Jun 24 2003	12.5"	9mmT6	DIF,VF,PS,PATCH,UB,AV,PAIR=6456,R=F	
<b>NGC 6464</b>	<b>Dra</b>		<b>Galaxy Spiral</b>	<b>EEF,PS,R,S OF 4ST</b>
Jun 25 2003	12.5"	9mmT6	DIF,EF,MS,PATCH,UB,NND,R=P	
<b>NGC 6466</b>	<b>Dra</b>		<b>Galaxy</b>	<b>EF,VS,R,BET2ST</b>
Jun 25 2003	12.5"	9mmT6	MF,MS,PATHC,SHISB,TRI F*S AROUND GAL,R=F	
<b>NGC 6471</b>	<b>Dra</b>		<b>Galaxy Scd:</b>	<b>EEF,ES,R,*NR,4TH OF6</b>
Mar 26 2006	31"	17mmT4	PF,MS,ELONG,UB,NND,CLOSE COMP=MAC,PAIRS=6472/6477/6463,R=F	
Jun 25 2003	12.5"	9mmT6	EDIF,EF,MS,PATCH,AV,SUSP,LOC GOOD,GROUP OF 5,COMP=6472,R=P	

# Circumpolar Observations

<b>NGC 6472</b>	<b>Dra</b>		<b>Galaxy SBb</b>	<b>EEF,ES,R,5TH OF6</b>
Mar 26 2006	31"	17mmT4	MB,PS,R,SMALL BNUC,PAIRS=6477/6463/6470/MAC,R=G	
Jun 25 2003	12.5"	9mmT6	DIF,PF,MS,OVAL,PATCH,UB,CLOSE TO F*,COMPS=6477/6470,GROUP OF 5,R=F	
<b>NGC 6474</b>	<b>Dra</b>		<b>Galaxy S</b>	<b>EF,PS,R,N OF3,3ST NR</b>
Jun 25 2003	12.5"	9mmT6	DIF,VF,MS,PATCH,UB,NND,PAIR=PGC60822,R=F	
<b>NGC 6477</b>	<b>Dra</b>		<b>Galaxy E/S0</b>	<b>EEF,ES,R,*NR,VDIFFIC</b>
Mar 26 2006	31"	17mmT4	PF,VS,OVAL,SMALL FNUC,VF* OFF EDGE,PAIRS=6472/6463/6470/MAC,R=F	
Jun 25 2003	12.5"	9mmT6	VDIF,EF,PS,OVAL,PATCH,UB,AV COMES AND GOES,LOC GOOD,GROUP OF 5,COMPS=6472,R=P	
<b>NGC 6478</b>	<b>Dra</b>		<b>Galaxy SAc:</b>	<b>PB,S,VME,SPINDLE</b>
Jun 25 2003	12.5"	9mmT6	MF,ML,PATHC,SHISB,SBM,R=F	
<b>NGC 6479</b>	<b>Dra</b>		<b>Galaxy Sc</b>	<b>EF,PS,R,3ST N</b>
Jun 25 2003	12.5"	9mmT6	PF,MS,PATCH,UB,B* CLOSE BY WASHES OUT GAL,R=F	
<b>NGC 6488</b>	<b>Dra</b>		<b>Galaxy C</b>	<b>PF,PS,E</b>
Jun 25 2003	12.5"	9mmT6	MF,VS,R,PATCH,2F*S AROUND GAL,R=F	
<b>NGC 6489</b>	<b>Dra</b>		<b>Galaxy Spherical</b>	<b>EEF,PL,LE,BET2ST</b>
Jun 25 2003	12.5"	9mmT6	DIF,EF,VS,PATHC,AV,SUSP,LOC GOOD,R=P	
<b>NGC 6491</b>	<b>Dra</b>		<b>Galaxy Sab</b>	<b>PF,ES,VF*ATT,NP OF 2</b>
Jun 25 2003	12.5"	9mmT6	PF,MS,ELONG,PATCH,NND,PAIRS=6493/PGC60945,R=R	
<b>NGC 6493</b>	<b>Dra</b>		<b>Galaxy SAB(r)cd:</b>	<b>F,ES,R,(PLN),SF OF 2</b>
Jun 25 2003	12.5"	9mmT6	VF,PS,R,PATCH,NND,F* IN OR AROUND GAL,PAIRS=6491/PGC60945,R=F	
<b>NGC 6497</b>	<b>Dra</b>		<b>Galaxy SB(r)b</b>	<b>EF,PS,LE,*NR N,NPOF2</b>
Jun 25 2003	12.5"	9mmT6	MF,ML,ELONG,PATCH,UB,NND,SHISB,F* OFF NUC,R=F	
<b>NGC 6503</b>	<b>Dra</b>		<b>Galaxy SA(s)cd</b>	<b>PF,L,ME,*9F4'</b>
Jun 25 2003	12.5"	9mmT6	VB,VL,ELONG,UB,NND,VERY HISB,FAINT HALO BEYOND HISB REGION,R=E	
Jul 22 1981	12.5"	16mm	VERY HISB,EDGE ON,PB,PL,BRIGHT HALO	
Jul 14 1980	12.5"	24mm		
Jul 11 1980	12.5"	24mm		
<b>NGC 6505</b>	<b>Dra</b>		<b>Galaxy E/S0</b>	<b>EEF,VS,R</b>
Jun 25 2003	12.5"	9mmT6	MF,MS,R,PATCH,UB,R=F	
<b>NGC 6508</b>	<b>Dra</b>		<b>Galaxy E:</b>	<b>VF,S,3ST NR</b>
Jun 25 2003	12.5"	9mmT6	MB,PL,R,FNUC,SMALL FAINT * NUC,R=F	
Jun 20 1980	12.5"	24mm		
<b>NGC 6510</b>	<b>Dra</b>		<b>Galaxy SB</b>	<b>EEF,PS,LE,VDIFFIC</b>
Jun 25 2003	12.5"	9mmT6	DIF,VF,MS,PATCH,UB,AV COMES AND GOES,R=P	
<b>NGC 6512</b>	<b>Dra</b>		<b>Galaxy E?</b>	<b>VF,R,1ST OF 3</b>
Jun 25 2003	12.5"	9mmT6	MF,ML,R,FNUC,SHISB,PAIRS=6516/6521,R=F	

# Circumpolar Observations

<b>NGC 6515</b>	<b>Dra</b>		<b>Galaxy E</b>	<b>VF,VS,R,2BST NR</b>
Jun 25 2003	12.5"	9mmT6	MF,PS,FNUC,PATCH,SMALL FNUC,SBM,SOMEWHAT	HISB,R=F
<b>NGC 6516</b>	<b>Dra</b>		<b>Galaxy Sp</b>	<b>VF,VS,2ND OF3</b>
Jun 25 2003	12.5"	9mmT6	VF,VS,R,PATCH,NND,PAIRS=6512/6521,R=P	
<b>NGC 6521</b>	<b>Dra</b>		<b>Galaxy E</b>	<b>F,PL,3RD OF 3</b>
Jun 25 2003	12.5"	9mmT6	PF,ML,FNUC,SMALL NUC,PATCH,PAIRS=6516/6512,R=F	
<b>NGC 6532</b>	<b>Dra</b>		<b>Galaxy SAc</b>	<b>EEF,PS,R</b>
Jun 25 2003	12.5"	9mmT6	DIF,VF,ML,ELONG,UB,R=F	
<b>NGC 6534</b>	<b>Dra</b>		<b>Galaxy S?</b>	<b>EEF,PS,R</b>
Jun 25 2003	12.5"	9mmT6	DIF,EF,PS,PATCH,UB,B* ON EDGE,R=P	
<b>NGC 6536</b>	<b>Dra</b>		<b>Galaxy SB(r)b</b>	<b>VF,PL,R</b>
Jun 25 2003	12.5"	9mmT6	VDIF,VF,MS,PATCH,UB,NND,R=F	
<b>NGC 6538</b>	<b>Dra</b>		<b>Galaxy S</b>	<b>EF,VS,LE,BET2EF ST</b>
Jun 25 2003	12.5"	9mmT6	DIF,PF,MS,PATCH,UB,NND,R=F	
<b>NGC 6542</b>	<b>Dra</b>		<b>Galaxy S0/a: sp</b>	<b>EF,S,ME,2ST SP</b>
Jun 25 2003	12.5"	9mmT6	MF,ML,ELONG,PATCH,NND,R=F	
<b>NGC 6552</b>	<b>Dra</b>		<b>Galaxy SB?</b>	<b>F,PS,IR</b>
Jun 23 2003	12.5"	9mmT6	MB,PL,OVAL,FNUC,MOD HISB,SLIGHTLY BM,R=F	
<b>NGC 6562</b>	<b>Dra</b>		<b>Galaxy C</b>	<b>F,PS,R,BM,BET2*</b>
Jun 23 2003	12.5"	9mmT6	MB,ML,R,BNUC,SHISB,SMALL BRT NUC,R=F	
<b>NGC 6566</b>	<b>Dra</b>		<b>Galaxy E</b>	<b>EF,VS,R,*16NR</b>
Jun 23 2003	12.5"	9mmT6	PF,MS,OVAL,PATCH,UB,NND,R=F	
<b>NGC 6592</b>	<b>Dra</b>		<b>Galaxy E/S0</b>	<b>VF,VS,R</b>
Jun 23 2003	12.5"	9mmT6	MF,PS,OVAL,PATCH,UB,NND,R=F	
<b>NGC 6594</b>	<b>Dra</b>		<b>Galaxy S</b>	<b>VF,VS,R</b>
Jun 23 2003	12.5"	9mmT6	MF,MS,OVAL,PATCH,UB,NND,R=F	
<b>NGC 6597</b>	<b>Dra</b>		<b>Galaxy E/S0</b>	<b>VF,VS,R,B*NR</b>
Jun 23 2003	12.5"	9mmT6	MF,MS,OVAL,PATCH,UB,NND,R=F	
<b>NGC 6598</b>	<b>Dra</b>		<b>Galaxy Pec</b>	<b>EF,PS,R</b>
Jun 23 2003	12.5"	9mmT6	MB,PL,R,PATCH,UB,SHISB,R=F	
<b>NGC 6601</b>	<b>Dra</b>		<b>Galaxy E/S0</b>	<b>EF,PS,R</b>
Jul 09 2005	31"	17mmT4	MF,PS,ELONG,LARGE BNUC,R=F	
Jul 09 2005	31"	17mmT4	MF,PS,ELONG,OVAL,LARGE FNUC,GMBM,R=F	
<b>NGC 6607</b>	<b>Dra</b>		<b>Galaxy Sb</b>	<b>EF,PS,R,VDIFFIC</b>
Jul 09 2005	31"	17mmT4	VF,MS,ELONG,PATCH,UB,NND,PAIRS=6608/6609,R=F	
Jun 23 2003	12.5"	9mmT6	EDIF,EF,MS,SUSP,PAIR=6608/6609,R=P	

# Circumpolar Observations

<b>NGC 6608</b>	<b>Dra</b>		<b>Galaxy Sb</b>	<b>VF,ES,R,VF*NR</b>
Jul 09 2005	31"	17mmT4	MB,PS,R,LARGE BNUC,GMBM,BETWEEN2F*S,PAIRS=6607/6609,R=G	
Jun 23 2003	12.5"	9mmT6	MF,PS,OVAL,PAGTCH,FNUC,SHISB,SOMEWHAT BM,PAIR=6607/6609,R=F	
<b>NGC 6609</b>	<b>Dra</b>		<b>Galaxy Irr</b>	<b>VF,PS,LE,F*NR</b>
Jul 09 2005	31"	17mmT4	VDIF,EF,MS,PATCH,UB,AV,PAIRS=6608/6607,R=P	
Jun 23 2003	12.5"	9mmT6	NO FIND,LOC GOOD,PAIR=6607/6608,R=P	
<b>NGC 6617</b>	<b>Dra</b>		<b>Galaxy SA(s)d</b>	<b>EEF,PL,R,VDIFFIC</b>
Jun 24 2003	12.5"	9mmT6	SUSP,LOC GOOD,CONDITIONS EXCELLENT,R=P	
<b>NGC 6621</b>	<b>Dra</b>		<b>Galaxy Sb: pec</b>	<b>PF,PS,R,LBM,S OF 2</b>
Jul 09 2005	31"	17mmT4	MB,ML,ELONG,LARGE BNUC,SHISB,TAPERED ENDS,COMP IN EDGE,GMBM,R=G	
Jun 23 2003	12.5"	9mmT6	MB,PL,ELONG,UB,NND,SHISB,R=F	
<b>NGC 6622</b>	<b>Dra</b>		<b>Galaxy S</b>	<b>PF,PS,R,LBM,N OF 2</b>
Jul 09 2005	31"	17mmT4	MB,MS,R,LARGE BNUC,BM,SOMEWHAT HISB,COMP=6621,INTERACTING,R=G	
<b>NGC 6636</b>	<b>Dra</b>		<b>Galaxy S?</b>	<b>EEF,PS,R,3*NR</b>
Jun 01 2003	12.5"	9mmT6	DIF,VF,PS,PATCH,UB,AV HOLDS,R=P	
<b>NGC 6643</b>	<b>Dra</b>		<b>Galaxy SA(rs)c</b>	<b>PB,PL,E50,2ST P</b>
Jun 01 2003	12.5"	9mmT6	DIF,MB,VL,OVAL,PATCH,NND,SHISB,R=G	
Jul 22 1981	12.5"	16mm	HISB,ELONG,DIF,STELL NUC SUSP,BRT HALO,PB,ML	
Jul 14 1980	12.5"	24mm		
Jul 11 1980	12.5"	24mm		
<b>NGC 6650</b>	<b>Dra</b>		<b>Galaxy C</b>	<b>VF,VS,R</b>
Jun 01 2003	12.5"	9mmT6	DIF,PF,PS,PATCH,UB,NND,R=P	
<b>NGC 6651</b>	<b>Dra</b>		<b>Galaxy SA(r)c</b>	<b>EEF,PS,LE,VDIFFIC</b>
Jun 01 2003	12.5"	9mmT6	DIF,PF,MS,OVAL,PATCH,UB,NND,R=F	
<b>NGC 6654</b>	<b>Dra</b>		<b>Galaxy (R')SB(s)0/a</b>	<b>*12,13INPB,PL NEBY</b>
Jun 01 2003	12.5"	9mmT6	MB,ML,ELONG,BNUC,SHISB,LARGE NUC AREA,SMALL BRT NUC,R=G	
<b>NGC 6654A</b>	<b>Dra</b>		<b>Galaxy SB(s)d pec?</b>	
Jun 01 2003	12.5"	9mmT6	VDIF,EF,PS,ELONG,PATCH,UB,AV COMES AND GOES,LOC GOOD,R=P	
<b>NGC 6667</b>	<b>Dra</b>		<b>Galaxy SABab? pec</b>	<b>VF,PL,LE,VF D* NR</b>
Jun 01 2003	12.5"	9mmT6	DIF,PF,MS,ELONG,UB,NND,R=F	
<b>NGC 6670</b>	<b>Dra</b>		<b>Galaxy Triple System</b>	<b>EEF,S,ME,VDIFFIC</b>
Jun 01 2003	12.5"	9mmT6	VDIF,VF,PS,PATCH,AV HOLDS,R=P	
<b>NGC 6676</b>	<b>Dra</b>		<b>Galaxy Sbc</b>	<b>EEF,PS,LE,LBM,VDIFFI</b>
Jun 01 2003	12.5"	9mmT6	NO FIND,LOC GOOD,PAIR/IC4763/6677	
Jun 01 2003	12.5"	9mmT6	NO FIND,LOC GOOD	
<b>NGC 6677</b>	<b>Dra</b>		<b>Galaxy Compact</b>	<b>VF,VS,BET*VNR\$VF D*</b>
Jun 22 2003	12.5"	9mmT6	MF,PL,ELONG,BNUC,SMALL BRT NUC,CLOSE COMP=6679,PAIR=IC4763,R=F	
Jun 01 2003	12.5"	9mmT6	DIF,VF,PS.OVAL,NUC,SMBM,PAIR/IC4763/6676,R=F	

# Circumpolar Observations

<b>NGC 6679</b>	<b>Dra</b>		<b>Galaxy Spherical</b>	<b>EF,CLOSE DOUBLE</b>
Jun 22 2003	12.5"	9mmT6	EDIF,EF,MS,PATCH,AV COMES AND GOES,SUSB,LOC GOOD,COMP=6677,PAIR=IC4763,R=P	
<b>NGC 6687</b>	<b>Dra</b>		<b>Galaxy SAd</b>	<b>EF,PL,R,BET2ST</b>
Jun 22 2003	12.5"	9mmT6	VDIF,VF,ML,PATCH,UB,AV,KEEP B* OUT OF FOV,R=P	
Jun 01 2003	12.5"	9mmT6	NO FIND,LOC GOOD	
<b>NGC 6689</b>	<b>Dra</b>		<b>Galaxy Sd? sp</b>	<b>VF,PS,*8F7'DIST</b>
Jun 01 2003	12.5"	9mmT6	EDIF,EF,PL,PATCH,AV COMES AND GOES,LOC GOOD,R=P	
<b>NGC 6691</b>	<b>Dra</b>		<b>Galaxy SB(rs)bc</b>	<b>VF,PL,R,PB*S NR</b>
Jun 01 2003	12.5"	9mmT6	DIF,PF,PS,OVAL,PATCH,UB,R=P	
<b>NGC 6696</b>	<b>Dra</b>		<b>Galaxy S</b>	<b>EEF,PL,VDIFFIC</b>
Jul 09 2005	31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,R=F	
<b>NGC 6701</b>	<b>Dra</b>		<b>Galaxy (R')SB(s)a</b>	<b>PB,PS,ME,F*CLOSE F</b>
Jun 01 2003	12.5"	9mmT6	PB,MS,OVAL,BNUC,SHISB,SMALL BRT NUC,R=G	
<b>NGC 6732</b>	<b>Dra</b>		<b>Galaxy E?</b>	<b>PB,VS,R, F*N</b>
Jun 01 2003	12.5"	9mmT6	MV,MS,OVAL,FNUC,SBM,SHISB MIDDLE,F* OFF ONE EDGE,R=F	
<b>NGC 6747</b>	<b>Dra</b>		<b>Galaxy</b>	<b>EEF,VDIFFIC,PB ST SF</b>
Jun 22 2003	12.5"	9mmT6	DIF,VF,VS,PATCH,*NUC,AV,STELLAR,LOC GOOD,R=P	
<b>NGC 6750</b>	<b>Dra</b>		<b>Galaxy Sc</b>	<b>VF,VS,R</b>
Jun 01 2003	12.5"	9mmT6	VDIF,EF,PS,AV COMES AND GOES,LOC GOOD,R=P	
<b>NGC 6757</b>	<b>Dra</b>		<b>Galaxy SB(r)0/a</b>	<b>PF,ME,3F*INV</b>
Jun 01 2003	12.5"	9mmT6	DIF,PF,MS,ELONG,PATCH,UB,R=P	
<b>NGC 6759</b>	<b>Dra</b>		<b>Galaxy S</b>	<b>VF,S,R,VF D*CLOSE SP</b>
Jun 21 2003	12.5"	9mmT6	MB,MS,PATCH,NND,F* AROUND GAL,R=F	
<b>NGC 6763</b>	<b>Dra</b>		<b>Galaxy S0/a</b>	<b>EF,VS,CE,F*NR</b>
Jun 21 2003	12.5"	9mmT6	MB,ML,ELONG,FNUC,SMALL SOFT NUC,R=F	
<b>NGC 6764</b>	<b>Cyg</b>		<b>Galaxy SB(s)bc</b>	<b>PF,PL,ME,SEVVF*INV</b>
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	
<b>NGC 6786</b>	<b>Dra</b>		<b>Galaxy SB?</b>	<b>EEF,S,R,2ST NF</b>
Jun 21 2003	12.5"	9mmT6	MB,ML,PATCH,UB,NND,R=F	
<b>NGC 6787</b>	<b>Dra</b>		<b>Galaxy SAB(s)b</b>	<b>EEF,PS,4*SF,E DIFFIC</b>
Jun 21 2003	12.5"	9mmT6	FID,BF,MS,OVAL,R,PATCH,UB,NND,R=F	
<b>NGC 6789</b>	<b>Dra</b>		<b>Galaxy Im</b>	<b>EEF,PL,R,VDIFFIC</b>
Jun 21 2003	12.5"	9mmT6	MF,MS,OVAL,PATCH,UB,NND,R=F	
<b>NGC 6796</b>	<b>Dra</b>		<b>Galaxy Sbc: sp</b>	<b>VF,PS,ME NS</b>
Jun 21 2003	12.5"	9mmT6	MB,VL,EDGE ON,UB,NND,SOMEWHAT HISB,R=G	

# Circumpolar Observations

<b>NGC 6798</b>	<b>Cyg</b>		<b>Galaxy S0</b>	<b>F,VS,R,*VNR</b>
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	
<b>NGC 6801</b>	<b>Cyg</b>		<b>Galaxy SAcd</b>	<b>EF,PS,R,F*S NR</b>
Jun 21 2003	12.5"	9mmT6	MB,ML,OVAL,*NUC,VF* IN GAL AND AROUND GAL,R=F	
<b>NGC 6817</b>	<b>Dra</b>		<b>Galaxy Sbc</b>	<b>EEF,PS,LE</b>
Jul 09 2005	31"	17mmT4	MF,PS,OVAL,LARGE FNUC,2-3VF*S ON EDGE,PATCH OR PART DET OFF CENTER,R=F	
<b>NGC 6824</b>	<b>Cyg</b>		<b>H878-2 Galaxy SA(s)b:</b>	<b>PB,IF,BM</b>
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	
<b>NGC 6825</b>	<b>Dra</b>		<b>Galaxy C</b>	<b>EF,VS,VDIFFIC,F*NR</b>
Jun 21 2003	12.5"	9mmT6	MF,PS,R,FNUC,F* OFF ONE SIDE,R=F	
<b>NGC 6829</b>	<b>Dra</b>		<b>Galaxy Sb</b>	<b>EF,PS,R,PB*NR S,POF2</b>
Jun 22 2003	12.5"	9mmT6	VDIF,VF,PS,ELONG,UB,NND,PAIR=6831,R=P	
<b>NGC 6831</b>	<b>Dra</b>		<b>Galaxy S0</b>	<b>EF,S,R,F OF 2</b>
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	
<b>NGC 6869</b>	<b>Dra</b>		<b>Galaxy S0</b>	<b>PB,PS,R</b>
Jun 22 2003	12.5"	9mmT6	PB,PL,OVAL,UB,MOD HISB,R=G	
<b>NGC 6911</b>	<b>Dra</b>		<b>Galaxy SBb:</b>	<b>EF,L,LBM,PB*NR</b>
Jun 22 2003	12.5"	9mmT6	VDIF,VF,VS,PATCH,NND,AV COMES AND GOES,R=P	
<b>NGC 6916</b>	<b>Cyg</b>		<b>Galaxy SBbc</b>	<b>EEF,PS,F*NR P,VDIFFI</b>
Jun 22 2003	12.5"	9mmT6	VDIF,VF,PS,PATCH,UB,NND,AV COMES AND GOES,2F*S IN GAL,R=P	
<b>NGC 6946</b>	<b>Cep</b>		<b>H76-4 Galaxy SAB(rs)cd</b>	<b>VF,VL,VG,VSBM,RR</b>
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	
<b>NGC 6949</b>	<b>Cep</b>		<b>Galaxy S?</b>	<b>EF,PS,IR</b>
Jun 22 2003	12.5"	9mmT6	VDIF,VF,ML,OVAL,PATCH,UB,NND,AV,LOC IN RICH * FOV,R=P	
<b>NGC 6952</b>	<b>Cep</b>		<b>Galaxy SAB(rs)bc</b>	<b>PB,OVAL,DIF,*15NR F</b>
Jun 22 2003	12.5"	9mmT6	MB,PL,OVAL,BNUC,SHISB,SMBM,AREAS OF BRT REGIONS AROUND NUC,R=G	
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	