

# Circumpolar Observations

<b>IC 10</b>	<b>Cas</b>		<b>Galaxy IBm</b>	
Sep 11 2004	31"	17mmT4	VF,MS,OVAL,PATCH,UB,SVRL *S IN GLXY,R=P	
<b>IC 1027</b>	<b>Boo</b>		<b>Galaxy S</b>	
Apr 14 2004	31"	17mmT4	MF,PS,OVAL,FSNUC,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,FSNUC,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,FLNUC,SHISB,R=F	
<b>IC 1069</b>	<b>Boo</b>		<b>Galaxy S0</b>	
Apr 14 2004	31"	17mmT4	MF,PS,OVAL,FLNUC,R=F	
<b>IC 1074</b>	<b>Boo</b>		<b>Galaxy S</b>	
Apr 14 2004	31"	17mmT4	DIF,MF,MS,EL,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* SUR GLXY,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,LNUC,GMBM,MHISB CNTR,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,SHISB,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	

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<b>IC 1146</b>	<b>Dra</b>		<b>Galaxy S</b>
Apr 26 2006	31"	17mmT4	MF,PS,OVAL,FLNUC,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,FSNUC,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,EL,FSNUC,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,LNUC 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,SNUC,PAIR=PGC57677,R=F
<b>IC 1214</b>	<b>Dra</b>		<b>Galaxy S0/a</b>
Jun 21 2003	12.5"	9mmT6	MF,MS,EL,*NUC,F* OFF NUC,F* JUST OUTSIDE OF GLXY,R=F
<b>IC 1215</b>	<b>Dra</b>		<b>Galaxy SB?</b>
Jun 21 2003	12.5"	9mmT6	PF,MS,PATCH,UB,NND,MHISB,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,EL,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,EL,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,BLNUC,SHISB CNTR,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,EL,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,V CLOSE COMP=PGC60325,OTHER PAIRS PRESENT,BOF GRP,R=G
<b>IC</b>	<b>1261</b>	<b>Dra</b>		<b>Galaxy E</b>
	Jun 23 2003	12.5"	9mmT6	DIF,VF,VS,PATCH,AV,EL,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>
	Oct 12 2012	36"	17mmT4	MF,MS,EL,BLNUC,HISB CNTR,R=FG
	Jun 24 2003	12.5"	9mmT6	MF,PS,PATCH,*NUC,SHISB,2F*S ON EDGE OF GLXY,SMWHT BM,*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,LVFNUC,F* OFF ONE SIDE,SLT BM,R=G
<b>IC</b>	<b>2174</b>	<b>Cam</b>		<b>Galaxy SBa</b>
	Feb 01 2005	31"	17mmT4	MB,PL,EL,PATCH,FLNUC,VF* IN NUC,R=F
	Jan 30 2005	31"	17mmT4	PF,MS,EL,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,BLNUC,MHISB,GMBM,HISB CNTR,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

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<b>IC</b>	<b>2389</b>	<b>Cam</b>		<b>Galaxy SB(s)b?</b>
	Feb 04 2005	31"	17mmT4	PF,MS,EL,BSNUC,MHISB CNTR,CNTR 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 RGN,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,EL,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,FSNUC,SMWHT 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,FLNUC,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,MHISB,FACE ON,F* IN GLXY,* NUC,R=E
<b>IC</b>	<b>342</b>	<b>Cam</b>		<b>Galaxy SAB(rs)cd</b>
	Jan 30 2003	12.5"	9mmT6	PB,EL,R,BNUC,SHISB,FACE ON,SPR STR SUSP,HALO OF ARMS,NUC R & B,HINT OF H2 RGN SUSI
<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,SNUC,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* SIM MAG,BG GLOW,R=E
	Jan 30 2003	12.5"	9mmT6	DIF,MF,PL,OVAL,PATCH,UB,NND,F*IN GLXY,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,SNUC,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,FLNUC,R=F
<b>IC</b>	<b>445</b>	<b>Cam</b>		<b>Galaxy S0?</b>
	Jan 30 2005	31"	17mmT4	MF,MS,R,VBSNUC,SBM,*NUC,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,EL,BSNUC,BMBM,R=G

# Circumpolar Observations

<b>IC 450</b>	<b>Cam</b>	<b>Galaxy SAB0+:</b>	
Jan 30 2005	31"	17mmT4	MF,PS,R,BSNUC,OTHERS,R=F
<b>IC 451</b>	<b>Cam</b>	<b>Galaxy SAB(r)b:</b>	
Jan 30 2005	31"	17mmT4	PF,MS,EL,FSNUC,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 CNTR,GMBM,NGC2340 CL,R=G
Jan 30 2005	31"	17mmT4	PB,MS,R,BNUC,GMBM,NGC2340 CL,R=G
<b>IC 459</b>	<b>Lyn</b>	<b>Galaxy C</b>	
Feb 01 2005	31"	17mmT4	PF,PS,OVAL,UB,NND,NGC2340 CL,R=F
<b>IC 460</b>	<b>Lyn</b>	<b>Galaxy</b>	
Feb 01 2005	31"	17mmT4	PF,MS,OVAL,BSNUC,NGC2340 CL,R=F
<b>IC 461</b>	<b>Lyn</b>	<b>Galaxy S</b>	
Feb 01 2005	31"	17mmT4	PF,MS,EL,FLNUC,NGC2340 CL,R=F
<b>IC 464</b>	<b>Lyn</b>	<b>Galaxy E?</b>	
Feb 01 2005	31"	17mmT4	PB,MS,EL,FLNUC,MHISB,NGC2340 CL,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,F GLOW BET 2F*S,CL 5 OF 5,R=P
<b>IC 465</b>	<b>Lyn</b>	<b>Galaxy S?</b>	
Feb 01 2005	31"	17mmT4	MB,MS,OVAL,FSNUC,SBM,*NUC,NGC2340 CL,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 GLXY,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,V 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,EL,NND,PAIR=6677/6679,R=F
Jun 01 2003	12.5"	9mmT6	VDIF,VF,VS,EL,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,BSNUC,PAIRS=6783/OTHERS,R=G
Jun 21 2003	12.5"	9mmT6	MB,PS,R,BNUC,MHISB,BLNUC,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,EL,SBM,OVAL,LNUC AREA
<b>IC 511</b>	<b>Cam</b>		<b>Galaxy S0/a:</b>
Feb 01 2005	31"	17mmT4	MF,MS,EL,BSNUC,MHISB,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,BSNUC,MHISB,PAIR=PGC24978,R=G
<b>IC 522</b>	<b>UMa</b>		<b>Galaxy S0</b>
Feb 04 2005	31"	17mmT4	MB,PS,R,BLNUC,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,L 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,FSNUC,F* ON TIP,SHISB CNTR,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,FSNUC,R=F
<b>IC 694</b>	<b>UMa</b>		<b>Galaxy SBm? pec</b>
Apr 07 2008	31"	17mmT4	VF,PL,R,BLNUC,HISB CNTR,PAIRS=3690/PGC35345,R=G
Apr 03 2005	31"	17mmT4	PB,MS,EL,BSNUC,HISB CNTR,INTRACT=3690,PAIRS=PGC/MAC,R=G
Mar 15 1985	12.5"	16mm	INTRACT WITH 3690
<b>IC 705</b>	<b>UMa</b>		<b>Galaxy C</b>
Apr 03 2005	31"	17mmT4	MF,PS,R,BSNUC,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,BLNUC,MHISB,BM,R=G
<b>IC 830</b>	<b>UMa</b>		<b>Galaxy S?</b>
Mar 26 2006	31"	17mmT4	MB,MS,OVAL,BLNUC,GMBM,MHISB CNTR,R=G
<b>IC 836</b>	<b>Dra</b>		<b>Galaxy S</b>
Feb 23 2006	31"	17mmT4	MF,MS,EL,FSNUC,F* OFF NUC,* OFF TIP,SHISB,TAPERED ENDS,R=G
<b>IC 852</b>	<b>UMa</b>		<b>Galaxy S0-:</b>
Apr 14 2004	31"	17mmT4	PF,PS,OVAL,FLNUC,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,BSNUC,SBM,R=F	
<b>IC 907</b>	<b>UMa</b>		<b>Galaxy SB?b</b>	
Apr 03 2005	31"	17mmT4	PF,MS,EDGE ON,VFSNUC,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,FLNUC,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,VFNUC,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,CNTR BULGE,R=G	
Sep 06 2002	12.5"	9mmT6	MB,ML,EL,SMWHT EDGE ON,HISB CNTR,GMBM,CNTR 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,BLNUC,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 GLXY,SNUC,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 GLXY,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,MHISB,TAD POLE SHAPE,F*IN EDGE,DUST LANE SUSP,R=G	
Oct 03 1981	12.5"	16mm	MF,PS,EL,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,BLNUC,MUCH BM,HISB CNTR,PAIRS=PGC'S,R=G	
Jan 30 2003	12.5"	9mmT6	PB,ML,OVAL,BNUC,SHISB,LNUC RGN,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 GLXY,CL 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,SLT OVAL,F* S PART OF GLXY	
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,FLNUC,SHISB,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,BSNUC,L DIF ARMS,DUST LANE DET ONE SIDE OF NUC,R=E	
Oct 03 1981	12.5"	16mm	DIF,MB,PL,EL3*S SE OF GLXY,PATCHY,BVARIES,NND,OVAL SHAPE	
Sep 18 1980	12.5"	24mm		
Dec 21 1981	12.5"	24mm	MB,PL,EL,HISP,SBM,CNTR BULGE DET,CL 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,EL,BLNUC,HISB CNTR,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,EL,FLNUC,SOFT CNTR,;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,EL,FLNUC,MHISB CNTR,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 GLXY	
Oct 03 1981	12.5"	16mm	EDIF,MF,PL,EL,SMWHT 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,BSNUC,HISB CNTR,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,B* ON EDGE,SHISB THRUT,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,MHISB,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,EL,BLNUC,HISB,R=G	
Jan 30 2005	31"	17mmT4	PB,ML,R,BLNUC,HISB CNTR,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,BLNUC,HISB CNTR,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,BLNUC,HISB CNTR,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,EL,FLNUC,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,EL,BLNUC,MHISB CNTR,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,FLNUC,SLT 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,BSNUC,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,EL,BLNUC,MHISB,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 B	
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,EL,FLNUC,MHISB CNTR,NGC2340 CL,R=G	
Jan 30 2005	31"	17mmT4	MB,VL,EL,PATCH,UB,NND,NGC2340 CL,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,FLNUC,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,FSNUC,SMWHT 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,BSNUC,IRR,FARM'S OFF ONE SIDE,2 NUC DET,S B,S F,COMP=2363,R=F	
Dec 21 1981	12.5"	24mm	EDIF,EF,ML,EL,BSNUC	
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, BSNUC, L OVAL PATCH, SOME STR SUSP, B*S IN GLXY		
Sep 18 1980	12.5"	24mm	2*S IN GLXY 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, BCORE 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, FSNUC, MHISB, INTRACT=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, INTRACT=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, FSNUC, GRAD BM, SHISB CNTR, 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, EL, BSNUC, MHISB, SBM, 2*S BOTH SIDES, KNOTS, PATCHY AREAS, MAC, R=G		
<b>NGC 2456</b>	<b>Lyn</b>			<b>Galaxy E</b>	<b>VF,R,VGBM</b>
Feb 01 2005	31"	17mmT4	MF, PL, R, FLNUC, 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, BLNUC, 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, SNUC, SLT 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, FLNUC, 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, BLNUC, SBM, SHISB CNTR, 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, EL, LNUC, INTRACT=MAC, SHISB CNTR, 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,FLNUC,MHISB,PAIR=2473,R=G		
Feb 17 2004	31"	17mmT4	MB,MS,OVAL,HISB CNTR,BLNUC AREA THAT IS EL,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,BSNUC,COMP=2474,MHISB CNTR,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,BLNUC,COMP=2474,HISB CNTR,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,BLNUC,MHISB CNTR,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,BLNUC,MHISB CNTR,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,*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,FSNUC,F 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,BSNUC,SHISB CNTR,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,BLNUC,BMBM,MHISB,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,EL,BLNUC,MHISB,B BAR LIKE NUC,GMBM,HALO SUR 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,FSNUC,F* IN NUC,CNTR BULGE,R=F		
<b>NGC 2523C</b>	<b>Cam</b>			<b>Galaxy E?</b>	
Feb 01 2005	31"	17mmT4	PF,PS,OVAL,FSNUC,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,BLNUC,SHISB CNTR,HALO SUR 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,BLNUC,MHISB CNTR,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,EL,VBNUC,MHISB,HISB CNTR,L 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,EL,UB,NND,MHISB,F* ON TIP,R=G	
<b>NGC 2550A</b>	<b>Cam</b>		<b>Galaxy Sc</b>	
Feb 01 2005	31"	17mmT4	MB,PL,OVAL,PATCH,UB,NND,MHISB,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,SVRL F*'S IN GLXY,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,CNTR 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,EL,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,OVAL,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,OVAL,PATCH,FLNUC,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,OVAL,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,BLNUC,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,EL,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,EL,BLNUC,SHISB,B* IN NUC,GMBM,NGC2633 GRP,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,BLNUC,GMBM,SHISB,NGC2633 GRP,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 GRP,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,BSNUC,SHISB CNTR,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,EL,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,FLNUC,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,FLNUC,VF* OFF ONE EDGE,BM,MHISB CNTR,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,BLNUC,LOC IN TRI OF *S,HISB CNTR,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 GLXY 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,FSNUC,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,BLNUC,SHISB CNTR,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,L CNTR RGN,TAPERED ENDS,F GLOW SUR NUC		
<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,BLNUC,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,BLNUC,MHISB,PAIR=2694,R=G		
Mar 15 1985	12.5"	12mm	DIF,VF,VS,S 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,EL,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,SHISB,PATCHES & AREAS OF VAR B,R=G	
Sep 18 1980	12.5"	24mm		
<b>NGC 2726</b>	<b>UMa</b>		<b>H834-2 Galaxy Sa?</b>	<b>CF,PS,IR,ER</b>
Mar 06 2003	12.5"	9mmT6	MF,ML,EL,UB,NND,MHISB,VF* IN GLXY,SMWHT 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,EL,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 GLXY,PAIR=2739,R=P	
<b>NGC 2742</b>	<b>UMa</b>		<b>H249-1 Galaxy SA(s)c:</b>	<b>CB,CL,E90,ER</b>
Mar 06 2003	12.5"	9mmT6	VB,VL,OVAL,NND,MHISB,PATCHY,SPR STR SUSP,R=E	
Mar 15 1985	12.5"	16mm	DIF,PF,PS,PATCHY-OVAL,NND,UB,3F*S TO S 1 GLXY 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,SLT 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 Galaxy Sb</b>	<b>PB,PS,E,VGBM</b>
Mar 06 2003	12.5"	9mmT6	MB,ML,R,BNUC,LNUC AREA,MHISB CNTR,PAIR=PGC25755,R=G	
Jan 08 2003	12.5"	9mmT6	MB,ML,SMHISB,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,EL,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 Galaxy E6:</b>	<b>CB,CL,LE,PSBMLBN</b>
Mar 06 2003	12.5"	9mmT6	VB,VL,OVAL,BNUC,HISB,DUST EXPECTED,GMBM,*NUC,HISB CNTR,MHISB ARMS,R=E	
Mar 15 1985	12.5"	16mm	MB,PL,OVAL,PATCHY,MHISB TOWARDS CNTR,NO *S	
Oct 16 1982	12.5"	12mm	MB,ML,2F*S OFF TO S,2B*S ON BOTH SIDES,EL,MBM,TAPERED,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,EL-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,MHISB,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 GLXY 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 CNTR		
<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,B* IN GLXY,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 FT 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 CNTR,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,EL,FLNUC,SHISB,PAIRS/IC2458/2820,R=G		
Jan 08 2003	12.5"	9mmT6	MF,PL,EL-OVAL,NND,SLT 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,SHISB,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,EL,BLNUC,HISB,L 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	FTR * OFF NE,SAME		
Oct 16 1982	12.5"	16mm	VB,ML,EL,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,EL,UB,F* IN TIP,SLT 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,BLNUC,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,BLNUC,HISB CNTR,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,*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 GLXY,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,BLNUC,SVRL F*S ON EDGE OF HALO,HISB CNTR,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 SVRL GLXY 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,INTRACT,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,FSNUC,INTRACT,CAN JUST BARELY SPLIT THE TWO,R=F	
<b>NGC 2959</b>	<b>UMa</b>		<b>Galaxy (R')SAB(rs)ab p</b>	<b>F,PL,R,VGLBM,ST N</b>
Apr 14 2004	31"	17mmT4	MF,ML,BLNUC,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,EL,PATCH,UB,NND,PAIR=2959,R=F	
<b>NGC 2963</b>	<b>Dra</b>	<b>H315-3</b>	<b>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</b>	<b>Galaxy SAc pec</b>	<b>B,VL,ME152,ST INV</b>
Apr 14 2004	31"	17mmT4	MB,VL,PATCH,UB,MHISB,V UNIQUE IN APPEARANCE,3*S SUR EDGE,RECT,R=E	
Mar 15 1985	12.5"	16mm	IRR,DIF,PF,VL,EL,PATCH,F* S EDGE BY NUC,UB	
Mar 27 1981	12.5"	24mm		
Dec 03 1980	12.5"	24mm	F* IN OUTER ARM RGN	
Aug 22 1980	12.5"	24mm		
<b>NGC 2977</b>	<b>Dra</b>	<b>H282-1</b>	<b>Galaxy Sb:</b>	<b>CB,PL,IF,</b>
Apr 14 2004	31"	17mmT4	MF,ML,OVAL,PATCH,FLNUC RGN,SHISB CNTR,R=G	
<b>NGC 2985</b>	<b>UMa</b>	<b>H78-1</b>	<b>Galaxy (R')SA(rs)ab</b>	<b>VB,CL,R,PSMBM,*INV F</b>
Apr 14 2004	31"	17mmT4	VB,PL,R,BLNUC,MHISB,HISB CNTR,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 RGN	
Aug 22 1980	12.5"	24mm		
<b>NGC 3027</b>	<b>UMa</b>	<b>H23-5</b>	<b>Galaxy SB(rs)d:</b>	<b>VF,VL,LE,R</b>
Apr 14 2004	31"	17mmT4	DIF,MF,VL,EL,PATCH,NND,BAR IN GLXY SUSP,CNTR AREA,R=F	



# Circumpolar Observations

<b>NGC 3031</b>	<b>UMa</b>	<b>M81</b>	<b>Galaxy SA(s)ab</b>	<b>EB,EL,E156,GSVMBMBN 2</b>
Jan 29 2014	36"	17mmT4	M81,EB,EEL-OVAL,VBLNUC,HISB,FARMS ARCHING SUR NUC,FILLS FOV,MANY *S IN GLXY,R=E	
Mar 08 2013	36"	17mmT4	MESSIER MARATHON 2013	
Feb 04 2005	31"	17mmT4	EB,EL,EL,BLNUC,HISB,TIGHT CORE,ARMS,R=E	
Apr 14 2004	31"	17mmT4	EF,EL,BLNUC,HISB,M81,R=E	
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 15 1985	12.5"	16mm	VB,VL,EL,BLNUC,SOFT NUC,VMBM,1F*S TIP,F HALO TO TAPERED 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 3034</b>	<b>UMa</b>	<b>M82</b>	<b>H79-4 Galaxy I0 sp</b>	<b>VB,VL,VME(RAY)</b>
Jan 29 2014	36"	17mmT4	M82,EB,EL,EDGE ON,HISB,PATCHES,NUC REG FRAGMENTED,DUST,DETAIL IN ARMS,SN IN ARM	
Mar 08 2013	36"	17mmT4	MESSIER MARATHON 2013	
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,VHISB,2 DUST LANES DET,B RGN DET,TAPERED,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 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 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 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 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,BLNUC,HISB CNTR,PAIR=3066,R=G	
Mar 15 1985	12.5"	12mm	VF,MS,OVAL,BM,3066 CLOSE BY,F*NE SVRL GLXY DIA	

# Circumpolar Observations

<b>NGC 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,SLT BIGGER THAN 3065,PAIR/3065		
<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,B CNTR 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,LNUC AREA,MUCH HISB CNTR,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,LNUC 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,MHISB,CNTR BULGE,SBM,DUST LANE SUSP,PAIR=3073,R=E		
Jan 08 2003	12.5"	9mmT6	VB,BL,EDGE ON,DUST DET,SLT BULGE IN CNTR,F* IN TIP,MHISB,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,TAPERED,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,*NUC OR F* DET,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,B AREAS IN HALO,GMBM,R=E		
Oct 22 1982	12.5"	16mm	MB,ML,BNUC,INSIDE 4*S,R,SBM,BSNUC		
<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 GLXY DIA AWAY		
<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,BLNUC 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	VDIF,EF,ES,PATCH,AV,R=P		
Apr 23 2003	12.5"	9mmT6	DIF,VF,VS,FNUC,SLT ,EL DET,HINT OF COMPANION,R=P		

# Circumpolar Observations

<b>NGC 3188A</b>	<b>UMa</b>		<b>Galaxy S?</b>	
Dec 07 2005	31"	17mmT4	EF,ES,PATCH,AV,SUSP,V CLOSE TO NGC3188,R=P	
<b>NGC 3197</b>	<b>Dra</b>		<b>H966-3 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 Galaxy SB(s)cd</b>	<b>PB,CL,E,VGLBM</b>
Apr 23 2003	12.5"	9mmT6	DIF,VF,FL,OVAL-R,PATCH,UB,NND,R=G	
Mar 15 1985	12.5"	16mm	NO FIND,CIRCLES HOT	
<b>NGC 3212</b>	<b>Dra</b>		<b>H980-3 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 Galaxy S?</b>	<b>VF,S,3RD OF 3</b>
Feb 04 2005	31"	17mmT4	PF,MS,OVAL,PATCH,UB,SMWHT BM,F* ON EDGE,PAIR=3212/MAC,R=F	
<b>NGC 3220</b>	<b>UMa</b>		<b>H911-3 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 GLXY,*NUC,COMES AND GOES,R=F	
<b>NGC 3225</b>	<b>UMa</b>		<b>H882-2 Galaxy Scd:</b>	<b>CF,PL,LE,VGBM</b>
Apr 23 2003	12.5"	9mmT6	DIF,MF,PL,EL,PATCH,NND,SHISB,F* OFF ONE SIDE,R=F	
Jan 08 2003	12.5"	9mmT6	DIF,PF,MS,FNUC,OVAL,SBM,F* ON EDGE,L CNTR RGN	
<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,FSNUC,R=F	
<b>NGC 3238</b>	<b>UMa</b>		<b>H883-2 Galaxy SA(r)0^:</b>	<b>F,S,R,PSLBM</b>
Feb 04 2005	31"	17mmT4	PF,MS,OVAL,BSNUC,SHISB,BAR SUSP,PAIR=PGC30649,R=G	
<b>NGC 3252</b>	<b>Dra</b>		<b>H316-3 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 Galaxy SAB(rs)bc:</b>	<b>F,S,R,GBM</b>
Feb 04 2005	31"	17mmT4	MB,ML,FLNUC,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 Galaxy SAB0^?</b>	<b>CF,VS,R,PSMBM*</b>
Feb 04 2005	31"	17mmT4	PB,MS,OVAL,BLNUC,MHISB CNTR,R=G	
<b>NGC 3286</b>	<b>UMa</b>		<b>H917-3 Galaxy E?</b>	<b>VF,PS,R,PSLBM</b>
Feb 04 2005	31"	17mmT4	MF,MS,BSNUC,GMBM,SHISB CNTR,PAIR=3288,R=G	
<b>NGC 3288</b>	<b>UMa</b>		<b>H918-3 Galaxy SABbc:</b>	<b>EF,CS,R,VGLBM</b>
Feb 04 2005	31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,PAIR=3286,R=F	
<b>NGC 3298</b>	<b>UMa</b>		<b>H767-3 Galaxy E/S0</b>	<b>VF,PS,IE</b>
Feb 05 2005	31"	17mmT4	MB,MS,OVAL,BLNUC,SLT HISB CNTR,R=G	

# Circumpolar Observations

<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,BSNUC,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,DBL NUC,F* NEXT TO *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,*NUC DET	
Mar 15 1985	12.5"	24mm		DIF,MF,PL,L 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,BSNUC,MHISB CNTR,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 3398</b>	<b>UMa</b>		<b>H792-3</b>	<b>Galaxy SA:(s:)b?</b>	<b>VF,S,E,ER</b>
Feb 05 2005	31"	17mmT4		MF,MS,OVAL,FLNUC,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,EL,UB,NND,SHISB,D*S POINT TO GLXY,R=G	
Dec 07 2005	31"	17mmT4		MB,PL,EL,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,BLNUC,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,EL,FLNUC,BM,SHISB CNTR,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,L PATCHY NUC,SLT 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	
<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,FSNUC,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,EL,FLNUC,R=F	

# Circumpolar Observations

<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,MHISB,PAIR=PGC32784,R=G		
Mar 15 1985	12.5"	16mm	DIF,PF,MS,BNUC,MHISB,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,EL,BLNUC,HISB,GOOD DEF,DUST AREA DET,CNTR BULGE,BROKEN,R=E		
Mar 15 1985	12.5"	16mm	DIF,VF,MS,EDGE ON,UB,SLT EL,NND,BET A TRI OF VF*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,*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,FLNUC,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,EL,FLNUC,MHISB CNTR,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,FLNUC SUSP,SMWHT 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,BSNUC,MHISB CNTR,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	MF,MS,EL,FLNUC,SHISB,PAIRS=3465/3523,R=F		
Apr 03 2005	31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=3528,R=P		
Feb 05 2005	31"	17mmT4	MF,PS,EL,FSNUC,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 SVRL GLXY 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,BSNUC,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,MHISB,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,EL-EDGE ON,BSNUC,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,CNTR 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,EL,PATCH,UB,NND		

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<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 08 2013	36"	17mmT4		MESSIER MARATHON 2013	
Mar 19 2004	12.5"	12mmT4		MESSIER MARATHON 2004	
Dec 26 2003	31"	17mmT4		VB,EL,EDGE ON,NND,MHISB,3*S IN GLXY,H2 RGN DET,DUST DET,PATCHY ARMS DET,E	
Mar 15 1985	12.5"	12mm		MB,PL,EDGE ON,F*N EDGE,B*CNTR,MHISB,KNTY STR SUSP,E!!!	
Mar 02 1984	10"	20mm		SAME	
Oct 22 1982	12.5"	16mm		DIF,MB,VL,F*N EDGE,EDGE ON,UB,LG,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,BLNUC,MUCH BM,MHISB CNTR,PAIRS=PGC'S/MAC,R=G	
<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,EL-EDGE ON,UB,NND,L 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,FLNUC,SMWHT 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,SLT TAPERED 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,SBM,PAIR/3619	
Oct 22 1982	12.5"	16mm		MB,PS,BNUC,R,BSNUC,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,SNUC,FTR 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,SNUC,SPR STR DET,2 *S OUTER ARMS	
Oct 22 1982	12.5"	16mm		DIF,VF,MS,PATCHY,OVAL,*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,SHISB,SMWHT BM,R=G	

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<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,MHISB,CLOSE COMP=PGC34985,PAIRS=PGC'S/MAC,R=G		
<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,BSNUC,MHISB CNTR,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,BSNUC,COMP NOT DET,VF* IN EDGE,GBM,HISB CNTR,FARMSSUSP,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 CNTR 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 GLXY,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,EL-EDGE ON,BSNUC,GMBM,MHISB CNTR,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,EL,BLNUC,HISB CNTR,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,EL,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,B* OFF EDGE,SHISB,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,INTRACT=IC694,PAIRS=PGC/MAC,R=G		
Mar 15 1985	12.5"	16mm	PF,PS,SLT EL2 NUC DET,INTRACT GLXY = IC 694,MHISB!!		
<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,BLNUC,F* CLOSE TO NUC IN GLXY,PATCHY,ARMS SUSP,H2 RGN,PAIR=MAC,R=E		
Mar 15 1985	12.5"	16mm	PF,VL,SPR ARMS DET,B BAR,VR,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,BSNUC,SLT HISB CNTR,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	VB,VL,OVAL,BSNUC,HISB,ARMS,PATCHY AREAS,B BAR LIKE NUC W/BULGE,COMP=MAC,* ON ED		
Mar 15 1985	12.5"	16mm	MB,ML,BTR THAN 3718,MHISB,B* ON S EDGE,UB,PAIR/3718		
Oct 22 1982	12.5"	24mm	VF,ML,OVAL,NND,MHISB,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,SVRL 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,BLNUC,DUST LANE,CNTR BULGE,GMBM,HISB CNTR,PAIR=MAC,R=E		

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<b>NGC 3736</b>	<b>Dra</b>		<b>Galaxy Sb</b>	<b>VF,VS,R</b>
Apr 04 2005	31"	17mmT4	MF,PS,OVAL,FSNUC,VF* ON EDGE,R=F	
<b>NGC 3737</b>	<b>UMa</b>		<b>H772-3 Galaxy SB0</b>	<b>VF,STELLAR</b>
Apr 04 2005	31"	17mmT4	PB,MS,EL,BSNUC,PAIRS=PGC35811/MAC'S,R=G	
<b>NGC 3738</b>	<b>UMa</b>		<b>H783-2 Galaxy Im</b>	<b>PB,PL,BM</b>
Mar 15 1985	12.5"	16mm	PF,PL,OVAL,MHISB,UB,PAIR/3756	
<b>NGC 3740</b>	<b>UMa</b>		<b>H847-3 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 Galaxy Sab</b>	<b>PB,PL</b>
Mar 05 2021	36"	17mmT4	MF,ML,EL,PATCH,UC,NND,R=F	
Apr 03 2005	31"	17mmT4	MB,ML,EL-EDGE ON,PATCH,UB,NND,R=G	
<b>NGC 3756</b>	<b>UMa</b>		<b>H784-2 Galaxy SAB(rs)bc</b>	<b>PF,L,LE</b>
Mar 15 1985	12.5"	16mm	PF,PL,OVAL,MHISB,UB,PAIR/3738	
<b>NGC 3757</b>	<b>UMa</b>		<b>H843-3 Galaxy S0?</b>	<b>VF,R,STELLAR,VS*1DSF</b>
Apr 04 2005	31"	17mmT4	PB,MS,OVAL,BLNUC,HISB CNTR,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,EL,BLNUC,PAIR=IC2943,R=G	
<b>NGC 3759A</b>	<b>UMa</b>		<b>Galaxy SABc pec</b>	
Apr 04 2005	31"	17mmT4	MF,ML,OVAL,FSNUC,SHISB,PAIR=MAC,R=F	
<b>NGC 3762</b>	<b>UMa</b>		<b>H837-2 Galaxy Sa</b>	<b>F,VLE,GBM</b>
Apr 04 2005	31"	17mmT4	PB,MS,EDGE ON,BLNUC,CNTR BULGE,HISB CNTR,SBM,R=G	
<b>NGC 3770</b>	<b>UMa</b>		<b>H838-2 Galaxy SBa</b>	<b>PF,S,R,GBM,R</b>
Apr 04 2005	31"	17mmT4	MB,PS,R,BSNUC,SBM,MHISB CNTR,R=G	
<b>NGC 3780</b>	<b>UMa</b>		<b>H227-1 Galaxy SA(s):</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 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 Galaxy S?</b>	<b>F,CS,R,MBM</b>
Apr 04 2005	31"	17mmT4	MB,MS,EL-OVAL,BLNUC,HISB CNTR,R=G	
<b>NGC 3804</b>	<b>UMa</b>		<b>H830-2 Galaxy SAB(s)d</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,BLNUC,HISB CNTR,BM,R=G	
<b>NGC 3824</b>	<b>UMa</b>		<b>H774-3 Galaxy SA(s)a? sp</b>	<b>VF,CS,PME</b>
Dec 07 2005	31"	17mmT4	PB,ML,EL,BLNUC,HISB CNTR,BM,R=G	



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<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,BSNUC,CNTR BULGE,MHISB CNTR,R=G	
<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,EL,BLNUC,HISB CNTR,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,SMWHT BM,SHISB,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,EL-OVAL,PATCH,UB,NND,MHISB,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,SHISB,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,BSNUC,HISB CNTR,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,BSNUC,HISB,PAIRS=3889/PGC/MAC,R=G	
Mar 15 1985	12.5"	16mm		MB,MS,OVAL,UB,NND,MHISB,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,EL,BLNUC,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,BLNUC,MHISB,SUDLY MBM,LNUC AREA,R=G	
<b>NGC 3894</b>	<b>UMa</b>		<b>H248-1</b>	<b>Galaxy E4-5</b>	<b>B,PL,IR,PGBM,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,*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,EL,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,FLNUC,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,EL TO EDGE ON,PATCH,UB,NND,SHISB,PAIRS=3921/PGC37013,R=F	

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<b>NGC 3917</b>	<b>UMa</b>		<b>H824-2</b>	<b>Galaxy SAcd:</b>	<b>F,L,VME,VGBM</b>
Jan 29 2014	36"	17mmT4	MB,VL,EL,UB,NND,SHISB,CIGAR SHAPE,PAIR=PGC36973,R=GE		
Mar 04 2006	31"	17mmT4	PB,VL,EDGE ON,UB,NND,CNTR 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,OVVAL,BLNUC,MHISB,SBM,HISB CNTR,PAIRS=3916,PGC37013,R=G		
<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,EL,BLNUC,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,FLNUC,SBM,MHISB CNTR,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 SUR OBJECT,R,VMBM,HISB CNTR		
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,FNUC,F*W EDGE,OVVAL,SOFT 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,MHISB CNTR,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,OVVAL,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,TAPERED 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,OVVAL,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,SNUC,F* SUSP CLOSE TO NUC,SBM,SOME SPR STR SUSP		
Feb 12 1983	12.5"	16mm	MB,ML,BNUC,F*N SIDE,OVVAL,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,FSNUC,MHISB,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		

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<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 08 2013	36"	17mmT4	MESSIER MARATHON 2013		
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Dec 26 2003	31"	17mmT4	EB,EL,EL,BVLNUC,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			
<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,F 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,CNTR 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,BLNUC,HISB CNTR,TAPERED ENDS,R=E		
Feb 12 1983	12.5"	16mm	MB,PL,EDGE ON,BNUC,CNTR 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,VLNUC,VF* SUSP IN GLXY,S AREA (RING),FARMS,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,B* IN CNTR,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,EL,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,SHISB,PAIR=4085,R=E		
Feb 12 1983	12.5"	24mm	DIF,PB,PL,EL,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,L 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,SHISB,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		

# Circumpolar Observations

<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 Galaxy SA(rs)cd:</b>	<b>EF,VS,E</b>
Mar 06 2003	12.5"	9mmT6	DIF,PF,PS,OVAL,PATCH,*NUC,R=F	
<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,SNUC,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,EL,FNUC,BSNUC,MHISB CNTR,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,EL,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,MHISB,DUST LANE SUSP,RES 7331,CNTR 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,EL,PATCH,SHISB,B* SUR 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>UMa</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	

# Circumpolar Observations

<b>NGC 4194</b>	<b>UMa</b>		<b>H867-2</b>	<b>Galaxy IBm pec</b>	<b>PB,VS,VSBM*12</b>
Apr 23 2003	12.5"	9mmT6	PB,ML,OVAL-R,BNUC,MHISB,GMBM,R=G		
<b>NGC 4195</b>	<b>UMa</b>		<b>H796-3</b>	<b>Galaxy SB(s)cd</b>	<b>EF</b>
Apr 23 2003	12.5"	9mmT6	EDIF,EF,ES,PATCH,AV,SUSP,R=P		
<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,BET 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,MHISB,F* IN GLXY,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,MHISB,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,MHISB,LNUC AREA,HISB CNTR,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-PATCH,LG,PATCHES DET,H2 RGN 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,BLNUC,HISB CNTR,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,BSNUC,CNTR BULGE,HISB CNTR,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,BLNUC,F* OFF ONE SIDE,ANOTHER OFF END,MHISB 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,EL,VFSNUC,* 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,BSNUC,SHISB,HISB CNTR,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,BSNUC,MHISB,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,FSNUC,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,EL-EDGE ON,BLNUC,ALM EDGE ON,MHISB CNTR,BM,R=G		

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<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,BLNUC,HISB CNTR,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 GLXY,INTRACT=4364,PAIRS=4362/MAC,R=P		
<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,FSNUC,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,FLNUC,SLT HISB CNTR,INTRACT=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,LNUC,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,BLNUC,MHISB,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,BSNUC,MHISB,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,FLNUC,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,CNTR 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,EL,BSNUC,HISB CNTR,BM,TAPERED 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,BSNUC,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,FSNUC,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,BLNUC,HISB,CNTR BULGE,HISB CNTR,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,FSNUC,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,BLNUC,MHISB CNTR,PAIR=4537,R=G		

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<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,BSNUC,V CLOSE COMP=PGC41897,OTHER PAIRS,R=F	
<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,EL,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,BSNUC,F HALO SUR NUC,SBM,MHISB CNTR,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,TAPERED ENDS,CNTR 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,BLNUC,HISB,SVRL *S SUR NUC ON EDGE,SBM,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,EL,UB,HISB PATCHES DET,* OFF ONE SIDE,CNTR 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,MHISB,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,EL,FLNUC,SHISB CNTR,CLOSE COMP=PGC42725,R=F	
<b>NGC 4646</b>	<b>UMa</b>		<b>H910-2</b>	<b>Galaxy S0?</b>	<b>F,S,4VS*SP</b>
Mar 26 2006	31"	17mmT4		MB,MS,OVAL,BLNUC,* OFF EDGE,GMBM,HISB CNTR,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,BLNUC,HISB CNTR,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,EL,FLNUC,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,EL,UB,NND,SHISB,CIGAR SHAPE,SHISB,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,EL,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,EL,BLNUC,F HALO,ARMS,HISB CNTR,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,EL,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,VBSNUC,BM,*NUC,F PATCH SUR NUC,R=F	

# Circumpolar Observations

<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,EL,BLNUC,SHISB CNTR,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,MHISB,CIGAR SHAPE,R=G		
<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,BSNUC,HISB,SUDLY MBM,DARK PATCHES,FARMS,F HALO SUR 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,BSNUC,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,BSNUC,MHISB,GMBM,R NUC,HISB CNTR,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,FLNUC,SHISB,GMBM,R=F		
Mar 04 2006	31"	17mmT4	MF,MS,OVAL,LNUC,MHISB CNTR,SBM,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,BLNUC,MHISB CNTR,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,FSNUC,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,FSNUC,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,BSNUC,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,BSNUC,BM,PAIRS=4973 GRP,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,FLNUC,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,BSNUC,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,FLNUC,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,BSNUC,MHISB,R=F		



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<b>NGC 5007</b> Apr 14 2004	<b>UMa</b> 31"	17mmT4	<b>H848-3</b> MF,MS,OVAL-R,BSNUC,PAIR=PGC45617,R=F	<b>Galaxy S0-:</b>	<b>VF,VS</b>
<b>NGC 5009</b> Apr 14 2004	<b>CVn</b> 31"	17mmT4	<b>H820-3</b> MF,PS,OVAL,PATCH,UB,NND,R=F	<b>Galaxy SBb</b>	<b>VF,R,BET2VS*</b>
<b>NGC 5034</b> Apr 14 2004	<b>UMi</b> 31"	17mmT4	<b>H909-3</b> MF,MS,OVAL,PATCH,UB,NND,R=F	<b>Galaxy S?</b>	<b>VF,VS,R</b>
<b>NGC 5040</b> Apr 14 2004	<b>CVn</b> 31"	17mmT4	<b>H816-2</b> MF,PS,R,BSNUC,PAIR=MAC,R=F	<b>Galaxy S</b>	<b>F,S,IR,VGMBM</b>
<b>NGC 5109</b> Apr 14 2004	<b>UMa</b> 31"	17mmT4	<b>H826-2</b> DIF,PF,MS,EL,UB,CNTR BULDGE,PAIR=5113,R=F	<b>Galaxy S</b>	<b>CF,S,CE</b>
<b>NGC 5113</b> Apr 14 2004	<b>UMa</b> 31"	17mmT4	<b>H808-3</b> VDIF,VF,PS,EL,PATCH,UB,NND,PAIR=5109,R=P	<b>Galaxy Sbc</b>	<b>CF,S,E,(=5109)</b>
<b>NGC 5144</b> Apr 14 2004	<b>UMi</b> 31"	17mmT4	<b>H70-4</b> MF,ML,R,SHISB,PATCHY ARMS DET,R=F	<b>Galaxy SAc? pec</b>	<b>(PLN),CB,S,R,G,SLBM</b>
<b>NGC 5163</b> Apr 03 2005	<b>UMa</b> 31"	17mmT4	<b>H821-3</b> MB,PS,OVAL-R,BSNUC,R=F	<b>Galaxy E</b>	<b>CF,STELLAR</b>
<b>NGC 5164</b> Apr 03 2005	<b>UMa</b> 31"	17mmT4	<b>H784-3</b> MF,MS,OVAL,PATCH,UB,NND,PAIR=MAC,R=F	<b>Galaxy SBb</b>	<b>CF,S,IR</b>
<b>NGC 5201</b> Apr 03 2005	<b>UMa</b> 31"	17mmT4	<b>H797-2</b> MB,ML,OVAL,BSNUC,KEEP B* OUT OF FOV,R=F	<b>Galaxy S?</b>	<b>PF,CS,R,VGLBM</b>
<b>NGC 5204</b> Apr 03 2005	<b>UMa</b> 31"	17mmT4	<b>H63-4</b> PB,VL,OVAL,UB,NND,SHISB,CLOSE COMP=MAC,PAIRS=MAC,R=G	<b>Galaxy SA(s)m</b>	<b>PB,CL,IR,GMBM,R</b>
<b>NGC 5205</b> Apr 03 2005	<b>UMa</b> 31"	17mmT4	<b>H822-3</b> MF,MS,OVAL,VFSNUC,SLT BM,R=F	<b>Galaxy S?</b>	<b>VF,PS,R,BET2VF*</b>
<b>NGC 5216</b> Apr 03 2005	<b>UMa</b> 31"	17mmT4	<b>H841-2</b> PB,ML,R,BLNUC,SBM,MHISB CNTR,R=G	<b>Galaxy E0 pec</b>	<b>PB,S,VLE</b>
<b>NGC 5218</b> Apr 03 2005	<b>UMa</b> 31"	17mmT4	<b>H842-2</b> PB,ML,OVAL,UB,NND,SHISB,PAIR=5216,R=G	<b>Galaxy SB(s)b? pec</b>	<b>PB,PL,R,GBM</b>
<b>NGC 5225</b> Feb 15 2004	<b>CVn</b> 31"	17mmT4	<b>H822-3</b> MF,MS,OVAL,BSNUC,R=F	<b>Galaxy S?</b>	<b>CF,PS,IR,LBM</b>
<b>NGC 5238</b> Feb 15 2004	<b>CVn</b> 31"	17mmT4	<b>H823-3</b> DIF,PF,VL,OVAL,UB,NND,R=F	<b>Galaxy SAB(s)dm</b>	<b>CF,PL,R,VLBM</b>
<b>NGC 5250</b> Apr 03 2005	<b>UMa</b> 31"	17mmT4	<b>H817-2</b> PB,MS,R,BSNUC,SHISB CNTR,R=G	<b>Galaxy S0</b>	<b>PB,S,R,VGBM</b>
<b>NGC 5255</b> Apr 03 2005	<b>UMa</b> 31"	17mmT4	<b>H803-3</b> MF,VS,BSNUC,R=G	<b>Galaxy Sb</b>	<b>VF,VS</b>

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<b>NGC 5262</b>	<b>UMi</b>		<b>Galaxy S0-:</b>	<b>EF,S</b>
Feb 05 2005	31"	17mmT4	MF,MS,OVAL,FSNUC,PAIR=PGC47875,R=F	
<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,SHISB,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,BSNUC,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,FSNUC,R=F	
Feb 04 2005	31"	17mmT4	MF,MS,OVAL,BSNUC,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,BLNUC,HISB CNTR,DUST SUSP,TAPERED 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,SHISB,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,EL-OVAL,BLNUC,HISB CNTR,* 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,EL-EDGE ON,UB,NND,CNTR 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,EL,BLNUC,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,FSNUC,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,BLNUC,HISB CNTR,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,BLNUC,GMBM,SHISB CNTR,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,EL,BLNUC,HISB CNTR,R=G	
<b>NGC 5376</b>	<b>UMa</b>	<b>H238-1</b>	<b>Galaxy SAB(r)b?</b>	<b>CB,PL,VLE,VGMBM</b>
May 16 2004	31"	17mmT4	MB,PL,OVAL,PATCH,SHISB,B PATCH IN GLXY DET CLOSE TO NUC,PAIRS=5389/5379,R=G	

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<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,SMWHT BM,PAIRS=5389/5376/P49512,R=F		
<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,EL,BLNUC,MHISB,GMBM,TAPERED 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,SLT BTR 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,BLNUC,MHISB CNTR,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,FSNUC,SUDLY BM,L 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,BLNUC,MHISB CNTR,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,SHISB,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,VGVLBM</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 08 2010	31"	17mmT4	PB,EL-OVAL,BSNUC,FACE ON,SPR STR,H2 RGN,DUST,DETAIL IN ARMS,MANY F*S IN ARMS,PAIR:		
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 06 2003	12.5"	9mmT6	EB,EL,R,BSNUC,HISB,FACE ON,KNTS DET,ARMS DET,SPR STR DET,F*S,R NUC,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>
Mar 08 2010	31"	17mmT4	MB,PS,OVAL,BLNUC,GLXY IN M101,PAIRS=NGC'S,R=G		
Nov 24 2006	12.5"	12mmT4	VF,VS,R,FSNUC,V CLOSE TO M101,R=F		
May 16 2004	31"	17mmT4	MB,MS,R,BLNUC,LNUC AREA,CLOSE TO M101,MHISB,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,MHISB,R=G		
Jun 11 1983	12.5"	20mm	MB,PS,BNUC,BET 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 GLXY DET,R=G		
Jun 11 1983	12.5"	20mm	DIF,MB,PL,FNUC,F*NW 1 GLXY DIA,OVAL,BSNUC,SOUTH OF M101		
Mar 27 1981	12.5"	24mm			

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<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,EL,FNUC,SBM,R=G		
<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 GLXY,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,L THAN COMP,PAIR/5481,R=F		
<b>NGC 5481</b>	<b>Boo</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,MHISB,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,SNUC AREA,SBM,R=F		
Mar 06 2003	12.5"	9mmT6	MB,MS,EL,BNUC,BSNUC,SLT 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,EL,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 VAR PARTS DET,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,SNUC,R=F		

# Circumpolar Observations

<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		
<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,EL,BSNUC,SHISB,HALO-ARMS,ALM *,GMBM,R=G		
Jun 11 1983	12.5"	20mm	MF,VS,BNUC,SVRL 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,EL,SHISB,PATCHY AND DARK AREAS IN CNTR RGN DET,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,MHISB CNTR,PAIR=PGC51922,R=G		
Jul 22 1981	12.5"	16mm	OBLONG,SBM,DIF,DNUC,F 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,EL,* BOTH TIPS,SOFT BLNUC,MHISB CNTR,PAIR=PGC52098,R=F		
May 06 1981	12.5"	24mm	MB,MS,BNUC,DIM HALO,*13 MAG EDGE OF GLXY		
<b>NGC 5707</b>	<b>Boo</b>			<b>Galaxy Sab: sp</b>	<b>B,PS,R</b>
Apr 14 2004	31"	17mmT4	MB,PL,EL,BLNUC,COMP OFF TIP(PGC52269),SHISB CNTR,TAPERED 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,FSNUC,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,FLNUC,CNTR 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,BLNUC,MHISB,* 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 GLXY,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,EL,PATCH,UB,NND,PAIR=5783,R=F		

# Circumpolar Observations

<b>NGC 5807</b>	<b>Dra</b>		<b>Galaxy Compact</b>	<b>VF,VS,RESOLVABLE</b>
Apr 14 2004	31"	17mmT4	MF,MS,OVAL,FSNUC,R=F	
<b>NGC 5819</b>	<b>UMi</b>		<b>H311-3 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 Galaxy S0 sp</b>	<b>B,E90,SBM,B D*F8'</b>
Jun 21 2003	12.5"	9mmT6	PB,ML,OVAL,BNUC,MHISB,BLNUC AREA,B** IN FOV,R=G	
May 06 1981	12.5"	24mm	DIF,VF,VS,F HALO,JUST W OF A NICE DBL *	
<b>NGC 5821</b>	<b>Boo</b>		<b>H811-3 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 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 Galaxy SB(rs)b</b>	<b>EF,VS,LE,2*INV</b>
Jun 21 2003	12.5"	9mmT6	MF,ML,R,*NUC,SHISB,F* IN CNTR 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 Galaxy SA0+ sp</b>	<b>VB,CL,PME146,GBM</b>
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Jun 20 1980	12.5"	24mm		
Jul 11 1980	12.5"	24mm		
Jul 14 1980	12.5"	24mm		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Jul 22 1981	12.5"	16mm	VB,ML,EL,BNUC,B HALO SUR NUC	
Jul 09 1983	12.5"	12mm	MB,ML,BNUC,2F*S ON BOTH SIDES,BLNUC,TAPERED ENDS	
Mar 02 1984	10"	20mm	SAME	
Apr 23 2003	12.5"	9mmT6	EB,VL,OVAL,BNUC,HISB,AWSOME,BEAUTIFUL,TAPERED ENDS,LNUC AREA,GMBM,R=E	
<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,CNTR OF TRI OF *S,R=G	
<b>NGC 5875</b>	<b>Boo</b>		<b>H755-2 Galaxy SAb:</b>	<b>PB,PL,LE</b>
Apr 23 2003	12.5"	9mmT6	EL,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,MHISB,R=G	
<b>NGC 5879</b>	<b>Dra</b>		<b>H757-2 Galaxy SA(rs)bc:?</b>	<b>CB,S,E,MBMRN,R</b>
Apr 23 2003	12.5"	9mmT6	EL-OVAL,BNUC,MHISB,LNUC AREA,HISB CNTR,R=G	
Jul 09 1983	12.5"	16mm	MB,ML,EL,BNUC,SBM,NO *S,LNUC AREA	
Jul 22 1981	12.5"	16mm	DIF,MF,ML,EL TO EDGE ON,GBM,F 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,EL-EDGE ON,UB,NND,SOME DUST SUSP,R=G		
Jul 09 1983	12.5"	16mm	EDIF,VF,MS,EDGE ON,SBM,TAPERED		
<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,MHISB,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,MHISB,PATCH AREA DET,PAIR=5908,R=G		
Jul 09 1983	12.5"	16mm	DIF,MF,PS,EDGE ON,BNUC,PAIR/5907,BM,TAPERED ENDS,2F*S SUR GLXY		
Jul 22 1981	12.5"	16mm	PF,MS,EDGE ON,F 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,MHISB,BEAUTIFUL,DUST LANE,CNTR BULGE,R=E		
Jul 09 1983	12.5"	16mm	MB,PS,EL,V 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	V IMPRESSIVE,VB,EL		
<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,SHISB,LNUC AREA,DARK LANE SUSP,PAIR=5905,R=G		
Jul 09 1983	12.5"	16mm	MB,PL,ELEGDE ON,BNUC,DUST LANES SUSP,TAPERED ENDS		
Jul 22 1981	12.5"	16mm	SMWHT B THAN COMP 5905,EDGE ON,DNUC,F 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,SNUC,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,SLT 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,MHISB,R=G		
Jul 09 1983	12.5"	16mm	MB,PS,PATCH,MHISB		
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,MHISB,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 Galaxy Sb</b>	<b>CF,CL,LE</b>
Apr 23 2003	12.5"	9mmT6	PB,PL,EL,PATCH,UB,NND,SHISB,PAIR=5963,R=G	
Jul 09 1983	12.5"	12mm	MHISB IN CNTR	
Jul 09 1983	12.5"	16mm	MF,PL,EDGE ON,FNUC,SBM,TAPERED 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,CNTR BULGE,PAIR=5982/5985,R=G	
Jul 09 1983	12.5"	16mm	EDIF,VF,MS,EL,V THIN,SVRL OTHER GLXY IN FIELD	
<b>NGC 5982</b>	<b>Dra</b>		<b>H764-2 Galaxy E3</b>	<b>CB,S,R,PSBM,R</b>
Apr 23 2003	12.5"	9mmT6	VF,ML,BNUC,R,MHISB,GMBM,LNUC,PAIR=5981/5985,R=G	
Jul 09 1983	12.5"	16mm	MB,ML,BNUC,R,BM,SVRL OTHER PAIRS	
Jul 22 1981	12.5"	24mm	VMBM,F 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 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	*NUC OR *,OTHERS PRESENT	
Jul 09 1983	12.5"	16mm	MF,PL,EL,UB,SPR STR SUSP,OTHER COMP	
Jul 22 1981	12.5"	16mm	DIF,R,SPR STR SUSP,OTHER GLXY 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 Galaxy Sb</b>	<b>PF,CS</b>
Apr 23 2003	12.5"	9mmT6	PB,MS,R,BNUC,MHISB,B* CLOSE BY,LNUC,GMBM,R=G	
Jul 09 1983	12.5"	16mm	MB,PS,EL,B*W SIDE,MHISB,SBM,OTHER PAIRS PRESENT	
<b>NGC 5989</b>	<b>Dra</b>		<b>H738-3 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,SHISB,R=F	
Jul 09 1983	12.5"	16mm	EDIF,VF,MS,PATCH,NND,SHISB	
<b>NGC 6011</b>	<b>UMi</b>		<b>H313-3 Galaxy Sb</b>	<b>VF,S,E90,VS*F</b>
Apr 23 2003	12.5"	9mmT6	MF,MS,FNUC,PATCH,F* EDGE OF GLXY,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,EL-OVAL,NND,SHISB,F*S IN TIP,CIGAR SHAPE,CNTR BULGE,R=G		
Jul 09 1983	12.5"	16mm	MB,PL,OVAL,MHISB,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 S CL,~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,CL OF F*S SUR OBJECT,HINT OF GLXY PRESENT,*,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,EL,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,FSNUC,SHISB,CAN SEP 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,SHISB,LNUC 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,FLNUC,R=F		
<b>NGC 6095</b>	<b>Dra</b>			<b>Galaxy S0-:</b>	<b>EF,PS,R,LINew/2*</b>
Jun 21 2003	12.5"	9mmT6	PB,ML,OVAL,FNUC,SHISB,SOFT SNUC,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,FSNUC,SOFT 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,LNUC ARA,GMBM,R=F		
<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		

# Circumpolar Observations

<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,MHISB,B* OFF ONE SIDE,R=G	
Jul 09 1983	12.5"	16mm	DIF,MF,PL,EL-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,L PATCH,BET 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,FSNUC,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,FLNUC,SHISB CNTR,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,FSNUC,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,MHISB TOWARDS CNTR,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 CNTR,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<sup>+</sup> pec:</b>	<b>VF,PS,R,SP OF 2</b>
May 09 2010	31"	17mmT4	MB,MS,OVAL,BLNUC,MHISB CNTR,PAIRS=6213/PGC'S,R=G	
Jun 22 2003	12.5"	9mmT6	MB,PL,OVAL,FNUC,SHISB,SNUC,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>
May 09 2010	31"	17mmT4	MF,PS,EL,FLNUC,PAIRS=6211/PGC'S,R=F	
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	
<b>NGC 6217</b>	<b>UMi</b>		<b>H280-1 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,FSNUC,DUST SUSP,FARMS,R=E	
Aug 13 1982	12.5"	16mm	PF,PS,DIF,*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,LNUC AREA,R=G	

## Circumpolar Observations

<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,*NUC OR F* IN GLXY,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,SLT 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,EL,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,BSNUC,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,FSNUC,SOFT 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,EL,UB,NND,R=F	
<b>NGC 6251</b>	<b>UMi</b>		<b>H974-3 Galaxy E</b>	<b>CF,S,BM,P OF 2</b>
Jun 22 2003	12.5"	9mmT6	PF,MS,PATCH,FNUC,SHISB TOWARDS CNTR,SBM,PAIR=6252,R=F	
<b>NGC 6252</b>	<b>UMi</b>		<b>H975-3 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	
<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,EL,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	

# Circumpolar Observations

<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,SNUC,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 SUR GLXY,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,MHISB,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,SLT 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,*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,MHISB,GBM,F* IN EDGE OF GLXY,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,SHISB,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>
May 31 2014	36"	17mmT4	MF,MS,OVAL,FLNUC,V CLOSE COMP=MAC,CAN SEP,AGC 2256,R=F	
Jun 21 2003	12.5"	9mmT6	DIF,PF,MS,PATCH,UB,NND,OTHERS PRESENT,R=P	
<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,BLNUC,MHISB,PAIRS=6345/OTHERS,R=G	
Jun 22 2003	12.5"	9mmT6	MB,ML,OVAL-R,BNUC,SHISB,GMBM,CLOSE COMP=PGC59943,CL 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,MHISB,BSNUC,FACE ON,SPR STR SUSP,PAIR=IC1251/IC1254,R=G	
Jul 22 1981	12.5"	16mm	ALM *NUC,DIF HALO,F* SUSP N SIDE	

# Circumpolar Observations

<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,EL EDGE ON,BSNUC,BAR LIKE NUC,SBM,HISB CNTR,PAIRS=6338,R=F	
Mar 04 2006	31"	17mmT4	MB,MS,EL,BSNUC,MHISB CNTR,PAIRS=6346/PGC/MAC,R=G	
Jun 22 2003	12.5"	9mmT6	VDIF,VF,MS,PATCH,UB,NND,EL,PAIR=6346CL 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,EL,BLNUC,MHISB CNTR,PAIRS=6345/PGC/MAC,R=G	
Jun 22 2003	12.5"	9mmT6	VDIF,VF,MS,PATCH,UB,NND,PAIR=6345,CL 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,MHISB,BLNUC,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 CNTR BULGING,PAIR=PGC60040,R=G	
Jun 22 2003	12.5"	9mmT6	MB,ML,EDGE ON,NND,CNTR BULGE NOT DET,PATCHY AREAS,EL,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,EL,UB,NND,CLOSE INTRACT PAIR 6365,BARELY SEP THE TWO,R=F	
Jun 23 2003	12.5"	9mmT6	VDIF,VF,PS,UB,NND,COMP=6365B,APPEARS AS ONE GLXY,EL,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 GLXY,EL,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,MHISB,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,PATCH,FNUC,AV,SNUC,SLT 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,EL 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,EL,FNUC,SLT BM,R=F	
<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,SLT 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	

# Circumpolar Observations

<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,EL,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,EL,BNUC,MHISB,L 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,MHISB,F* IN GLXY,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,EL,PATCH,NND, GRP 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,GRP 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,GRP OF 6,COMPANIONS=6420/PGC60553,R=F	
<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,GRP 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,EL,*NUC,SHISB,B* CLOSE BY,R=F	

# Circumpolar Observations

<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,LNUC 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,FSNUC,PAIRS=MAC,R=F	
Jun 25 2003	12.5"	9mmT6	EDIF,EF,PS,AV,SUSP,LOC GOOD,GRP 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,SNUC 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,LNUC,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,BLNUC,PAIRS=6472/6477/6470/MAC,R=F	
Jun 25 2003	12.5"	9mmT6	DIF,MV,MS,PATCH,UB,GRP 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,PATCH,SHISB,TRI F*S SUR GLXY,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,EL,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,GRP OF 5,COMP=6472,R=P	
<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,BSNUC,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,GRP 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	

# Circumpolar Observations

<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,FSNUC,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,GRP 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,PATCH,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 GLXY,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 SUR GLXY,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,PATCH,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,EL,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 SUR GLXY,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,EL,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,EL,UB,NND,VHISB,F HALO BEYOND HISB RGN,R=E	
Jul 22 1981	12.5"	16mm	VHISB,EDGE ON,PB,PL,B 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,FS*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	
<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,FSNUC,SBM,SHISB,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,SNUC,PATCH,PAIRS=6516/6512,R=F	



# Circumpolar Observations

<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,EL,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,EL,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,MHISB,SLT 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,BSNUC,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,EL,BLNUC,R=F	
Jul 09 2005	31"	17mmT4	MF,PS,EL-OVAL,FLNUC,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,EL,PATCH,UB,NND,PAIRS=6608/6609,R=F	
Jun 23 2003	12.5"	9mmT6	EDIF,EF,MS,SUSP,PAIR=6608/6609,R=P	
<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,BLNUC,GMBM,BET 2F*S,PAIRS=6607/6609,R=G	
Jun 23 2003	12.5"	9mmT6	MF,PS,OVAL,PAGTCH,FNUC,SHISB,SMWHT 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	

## Circumpolar Observations

<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 E,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,EL,BLNUC,SHISB,TAPERED ENDS,COMP IN EDGE,GMBM,R=G	
Jun 23 2003	12.5"	9mmT6	MB,PL,EL,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,BLNUC,BM,SHISB,COMP=6621,INTRACT,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,ELDIF,*NUC SUSP,B 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,EL,BNUC,SHISB,LNUC AREA,BSNUC,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,EL,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,EL,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,EL,BNUC,BSNUC,CLOSE COMP=6679,PAIR=IC4763,R=F	
Jun 01 2003	12.5"	9mmT6	DIF,VF,PS,OVAL,NUC,SBM,PAIR/IC4763/6676,R=F	
<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	

# Circumpolar Observations

<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,BSNUC,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,*,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,EL,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* SUR GLXY,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,EL,FSNUC,SOFT NUC,R=F	
<b>NGC 6764</b>	<b>Cyg</b>		<b>Galaxy SB(s)bc</b>	<b>PF,PL,ME,SEVV*INV</b>
Jun 01 2003	12.5"	9mmT6	DIF,MF,PL,EL,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,SHISB,R=G	
<b>NGC 6798</b>	<b>Cyg</b>		<b>Galaxy S0</b>	<b>F,VS,R,*VNR</b>
Oct 12 2012	36"	17mmT4	PB,ML,OVAL BLNUC,HISB CNTR,GMBM,R=FG	
Jun 21 2003	12.5"	9mmT6	MB,MS,OVAL-R,BNUC,MHISB,GMBM,R=F	
Jul 06 2002	12.5"	16mm	EDIF,EF,PS,EL,PATCH,COMES AND GOES WITH AV,2F*S OFF ONE EDGE	

# Circumpolar Observations

<b>NGC 6801</b>	<b>Cyg</b>		<b>Galaxy SAcd</b>	<b>EF,PS,R,F*S NR</b>
Oct 12 2012	36"	17mmT4	MB,ML,OVAL,UB,NND,SHISB,F* CLOSE TO NUC AREA,R=FG	
Jun 21 2003	12.5"	9mmT6	MB,ML,OVAL,*NUC,VF* IN GLXY AND SUR GLXY,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,FLNUC,2-3VF*S ON EDGE,PATCH OR PART DET OFF CNTR,R=F	
<b>NGC 6824</b>	<b>Cyg</b>		<b>H878-2 Galaxy SA(s)b:</b>	<b>PB,IF,BM</b>
Oct 12 2012	36"	17mmT4	MB,ML,OVAL,LNUC,MHISB,VF* OUTER EDGE IN GLXY,GRADUALLY BIN CNTR,R=FG	
Jun 21 2003	12.5"	9mmT6	VB,VL,BNUC,VHISB,F* OFF TO EDGE,BLNUC,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>
Oct 12 2012	36"	17mmT4	PF,PS,OVAL,UB,NND,* NUC OR VF* CLOSE TO CNTR OF GLXY,R=F	
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>
Oct 12 2012	36"	17mmT4	MF,ML,EL,NND,SHISB,* OFF CNTR,R=F	
Jun 22 2003	12.5"	9mmT6	VDIF,VF,PS,EL,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>
Oct 12 2012	36"	17mmT4	MF,ML,OVAL,FLNUC,SHISB,R=F	
Jun 22 2003	12.5"	9mmT6	MB,ML,OVAL,FNUC,SMWHT BM,SNUC DET,PAIR=6829,R=F	
Jun 21 2003	12.5"	9mmT6	MF,ML,R,FNUC,SHISB,FSNUC,R=G	
<b>NGC 6869</b>	<b>Dra</b>		<b>Galaxy S0</b>	<b>PB,PS,R</b>
Oct 12 2012	36"	17mmT4	MB,ML,R,BLNUC,MHISB,GRAN HALO SUR NUC,R=FG	
Jun 22 2003	12.5"	9mmT6	PB,PL,OVAL,UB,MHISB,R=G	
<b>NGC 6911</b>	<b>Dra</b>		<b>Galaxy SBb:</b>	<b>EF,L,LBM,PB*NR</b>
Oct 12 2012	36"	17mmT4	VF,PL,PATCH,NND,CLOSE TO *,R=PF	
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>
Oct 12 2012	36"	17mmT4	MF,ML,OVAL,VSFT NUC,F* IN PLAIN OF GLXY,R=F	
Jun 22 2003	12.5"	9mmT6	VDIF,VF,PS,PATCH,UB,NND,AV COMES AND GOES,2F*S IN GLXY,R=P	
<b>NGC 6946</b>	<b>Cep</b>		<b>H76-4 Galaxy SAB(rs)cd</b>	<b>VF,VL,VG,VSBM,RR</b>
Sep 12 2012	36"	17mmT4	PB,VL,BNUC,SPR ARMS,KNOTS IN ARMS DET,H2 RGN DET,R=E	
Jun 22 2003	12.5"	9mmT6	VB,EL,R,NND,SHISB,AREAS OF PATCHES DET,SVRL *S IN GLXY,R=E	
Jul 09 1983	12.5"	24mm	MF,VL,OVAL,3B*S TO ONE SIDE,SVRL F*S IN GLXY,SPR STR SUSP,PAIR/6939	
Aug 14 1982	12.5"	16mm	EDIF,MF,PL,PATCHY,OVAL,NND,*S IN GLXY,SEE CARD FOR DRAWING	
Jun 06 1981	12.5"	16mm	DIF,VL,MB,SOME SPR STR DET,FACE ON,SEVEAL *S IN GLXY,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>
Sep 12 2012	36"	17mmT4	MF,MS,OVAL,SNUC,SHISB CNTR,SLT BM,* OR *S IN CNTR,R=F	
Jun 22 2003	12.5"	9mmT6	VDIF,VF,ML,OVAL,PATCH,UB,NND,AV,LOC IN RICH * FOV,R=P	

# Circumpolar Observations

<b>NGC 6952</b>	<b>Cep</b>		<b>Galaxy SAB(rs)bc</b>	<b>PB,OVAL,DIF,*15NR F</b>
Sep 12 2012	36"	17mmT4	MB,MS,OVAL,BSNUC,F HALO SUR NUC,SOME SPR STR,HISB CNTR,3 VF*S IN ARMS,R=G	
Jun 22 2003	12.5"	9mmT6	MB,PL,OVAL,BNUC,SHISB,SBM,AREAS OF B RGN SUR 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,BNUC,R,F* OFF E SIDE	
Jun 06 1981	12.5"	16mm	DIF,MF,ML,DNUC,F HALO,14* IN OR SUR GLXY	