

## Virgo - The Virgin

<b>ABELL 36</b>		<b>Planetary Neb</b>
Mar 20 2009 31"	17mmT4	EF,PL,C* 10TH MAG,F NEB DET AROUND C *,NO NEB OUTER SHELL,OIII DOESNOT HELP,R=P
Mar 17 2009 31"	17mmT4	BRT BLUEISH FUZZY BALL,NO OUTER SHELL OF NEB DET,OIII DOESN'T HELP,R=F
<b>IC 771</b>		<b>Galaxy SB?</b>
Mar 08 2010 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,PAIR=4206,R=F
<b>IC 896</b>		<b>Galaxy E</b>
May 30 2014 36"	17mmT4	MB,MS,OVAL,SBNUC,PAIR=PGC47784,R=F
<b>IC 1039</b>		<b>Galaxy L</b>
May 18 2007 31"	17mmT4	MF,MS,PATCH,UB,NND,PAIRS=IC1041/MAC,R=F
<b>IC 1041</b>		<b>Galaxy Sb</b>
May 18 2007 31"	17mmT4	MF,MS,OVAL,LFNUC,PAIRS=IC1039/MAC,R=F
<b>IC 1042</b>		<b>Galaxy S0?</b>
May 18 2007 31"	17mmT4	MF,ML,OVAL,PATCH,UB,NND,PAIR=5718,R=F
<b>IC 1070</b>		<b>Galaxy</b>
Apr 26 2006 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIRS=5775/5774,R=F
<b>IC 3074</b>		<b>Galaxy SB(s)dm: sp</b>
Apr 19 2014 36"	17mmT4	VF,PS,EDGE ON,UB,PA~150,R=P
<b>IC 3099</b>		<b>Galaxy Scd?</b>
Apr 19 2014 36"	17mmT4	VF,PS,EDGE ON,UB,VF* OFF CENTER OF GAL,PA~180,R=P
<b>IC 3153</b>		<b>Galaxy Sc(r)I-II</b>
Apr 26 2003 12.5"	9mmT6	DIF,VF,PS,PATCH,UB,NND,CLUSTER,8 OF 9,R=P
<b>IC 3155</b>		<b>Galaxy S0 sp</b>
Mar 08 2010 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIR=4269,R=F
<b>IC 3311</b>		<b>Galaxy Sdm:</b>
May 30 2014 36"	17mmT4	MF,MS,EDGE ON,NND,PA~130,THIN SLIVER,R=F
<b>IC 3322A</b>		<b>Galaxy SB(s)cd: sp</b>
May 30 2014 36"	17mmT4	MB,ML,EDGE ON,NND,PA~160,SLIGHT CENTRAL BULGE,TAPERED ENDS,R=FG
<b>IC 3474</b>		<b>Galaxy Sd sp</b>
May 30 2014 36"	17mmT4	PF,MS,EDGE ON,NND,PA~40,R=PF
<b>IC 3481</b>		<b>Galaxy SAB0-: pec</b>
May 18 2007 31"	17mmT4	MF,MS,OVAL,R,LARGE BNUC,MBM,PAIR=IC3481A,R=F
<b>IC 3481A</b>		<b>Galaxy E pec:</b>

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<b>IC 3481A</b>		<b>Galaxy E pec:</b>
May 18 2007 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=IC3481,R=P
<b>IC 3483</b>		<b>Galaxy SAB(s)b pec:</b>
May 18 2007 31"	17mmT4	PF,MS,PATCH,UB,NND,CLOSE TO B*,R=F
<b>IC 3583</b>		<b>Galaxy IBm</b>
May 18 2007 31"	17mmT4	DIF,MF,VL,PATCH,UB,3*S IN GAL,APPEARS AS A NEBULA,PATCHY AREAS,R=F
<b>IC 3608</b>		<b>Galaxy Sb:</b>
May 31 2014 36"	17mmT4	PF,MS,EDGE ON,UB,NND,PA~100,* CLSE BY,R=PF
<b>IC 4134</b>		<b>Galaxy S</b>
May 18 2007 31"	17mmT4	VF,VS,NND,R=P
<b>MAC 1142+1017A</b>		<b>Galaxy</b>
May 18 2007 31"	17mmT4	VF,VS,PATCH,NND,PAIR/3825,R=P
<b>MAC 1142+1021</b>		<b>Galaxy</b>
May 18 2007 31"	17mmT4	EF,VS,PATCH,AV,CLOSE PAIR/3820,R=P
<b>MAC 1215+1311</b>		<b>Galaxy</b>
Mar 08 2010 31"	17mmT4	VF,VS,PATCH,TOOK AV A WHILE TO FIND,PAIRS=4216/PGC,R=P
<b>MAC 1221+0437</b>		<b>Galaxy</b>
Mar 08 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=4292,R=P
<b>MAC 1252-0944</b>		<b>Galaxy</b>
May 31 2014 36"	17mmT4	VF,ES,OVAL,VFSNUC,PAIRS=PGC'S,R=P
<b>MAC 1252+1001</b>		<b>Galaxy</b>
May 18 2007 31"	17mmT4	VF,VS,UB,NND,PAIR=PGC43728,R=P
<b>MAC 1253+0956</b>		<b>Galaxy</b>
May 18 2007 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=PGC43762,R=P
<b>MAC 1315-1623</b>		<b>Galaxy</b>
May 09 2010 31"	17mmT4	EF,VS,PATCH,TOOK AV A WHILE,COMES AND GOES,MANY OTHERS,R=P
<b>MAC 1315-1628B</b>		<b>Galaxy</b>
May 09 2010 31"	17mmT4	VF,VS,OVAL,PATCH,NND,AV FIRST THEN HOLDS,MANY OTHERS,R=P
<b>MAC 1315-1629</b>		<b>Galaxy</b>
May 09 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,MANY OTHERS,R=P
<b>MAC 1319-1239</b>		<b>Galaxy</b>
Apr 26 2006 31"	17mmT4	PF,VS,OVAL,PATCH,UB,COMP=5077,F* OFF EDGE,PAIRS=5079/5076,R=F

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<b>MAC 1329+1138</b>		<b>Galaxy</b>	
Mar 16 2010 31"	17mmT4	PF,PS,PATCH,NND,VERY NICE GROUPING,R=F	
<b>MAC 1329+1141</b>		<b>Galaxy</b>	
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,AV HOLDS THEN DIRECT,VERY NICE GROUPING,R=P	
<b>MAC 1329+1143</b>		<b>Galaxy</b>	
Mar 16 2010 31"	17mmT4	EF,ES,PATCH,AV FIRST,VERY NICE GROUPING,R=P	
<b>MAC 1329+1146</b>		<b>Galaxy</b>	
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,TOOK AV A WHILE THEN HOLDS,PAIRS=NGC'S,NICE GROUP,R=P	
<b>MAC 1329+1148A</b>		<b>Galaxy</b>	
Mar 16 2010 31"	17mmT4	EF,ES,PATCH,AV COMES AND GOES,ONE OR THE OTHER,NEVER BOTH,VERY NICE GROUPING,R=P	
<b>MAC 1329+1148B</b>		<b>Galaxy</b>	
Mar 16 2010 31"	17mmT4	EF,ES,PATCH,AV COMES AND GOES,ONE OR THE OTHER,NEVER BOTH,VERY NICE GROUPING,R=P	
<b>MAC 1329+1149</b>		<b>Galaxy</b>	
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,AV TAKES A WHILE,THEN HOLDS,VERY NICE GROUPING,R=P	
<b>MAC 1334+1344</b>		<b>Galaxy</b>	
May 18 2007 31"	17mmT4	VF,VS,PATCH,NND,CLOSE COMP=5222,R=P	
<b>MAC 1337+0624</b>		<b>Galaxy</b>	
May 18 2007 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIRS=MANY OTHERS,R=P	
<b>MAC 1337+0628</b>		<b>Galaxy</b>	
May 18 2007 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=MANY OTHERS,R=P	
<b>MAC 1337+0632</b>		<b>Galaxy</b>	
May 18 2007 31"	17mmT4	EDIF,EF,ES,PATCH,UB,PAIRS=MANY OTHERS,R=P	
<b>MAC 1440+0322</b>		<b>Galaxy</b>	
May 18 2007 31"	17mmT4	PF,VS,ELONG,VSFNUC,PAIRS=IC1041/MAC,R=F	
<b>MAC 1440+0327</b>		<b>Galaxy</b>	
May 18 2007 31"	17mmT4	PF,PS,OVAL,UB,NND,R=F	
<b>MAC 1440+0339</b>		<b>Galaxy</b>	
May 18 2007 31"	17mmT4	PF,PS,PATCH,UB,NND,VF* IN EDGE,R=P	
<b>NGC 3822</b>		<b>H153-2 Galaxy S0?</b>	<b>PF,PS,3RD OF 4</b>
May 18 2007 31"	17mmT4	VB,VL,ELONG,LARGE BNUC,HISB,R=E	
<b>NGC 3825</b>		<b>H154-2 Galaxy SBa</b>	<b>PF,PS,4TH OF 4</b>
May 18 2007 31"	17mmT4	VB,VL,ELONG,LARGE BNUC,VMBM,HISB,R=E	

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<b>NGC 3833</b> May 18 2007 31" 17mmT4	<b>H102-3</b> MF,PL,PATCH,UB,NND,VF* OFF ONE EDGE,R=F	<b>Galaxy Sc</b>	<b>EF,PS</b>
<b>NGC 3848</b> May 18 2007 31" 17mmT4	<b>H35-3</b> MF,MS,PATCH,UB,NND,R=F	<b>Galaxy Sc</b>	<b>EF,VS</b>
<b>NGC 4030</b> Apr 25 1981 12.5" 24mm	<b>H121-1</b> VB,VL,BNUC,BRT HALO	<b>Galaxy SA(s)bc</b>	<b>CB,L,VLE,PSMBM,BSTNR</b>
<b>NGC 4045</b> Apr 26 2003 12.5" 9mmT6	<b>H276-2</b> MB,ML,OVAL,BNUC,MOD HISB,LARGE BRT NUC,R=G	<b>Galaxy SBa</b>	<b>PF,L,R,SBM,*SF</b>
<b>NGC 4073</b> Apr 26 2003 12.5" 9mmT6	<b>H277-2</b> PB,ML,OVAL,BNUC,MOD HISB,SMALL BRT NUC,MANY COMP,FOV RICH IN GAL,R=G	<b>Galaxy E+</b>	<b>F,PS,R,PGBM,NP OF 2</b>
<b>NGC 4123</b> Apr 25 1981 12.5" 24mm	<b>H4-5</b> DIF,VF,PL,FNUC,F HALO	<b>Galaxy SB(r)c</b>	<b>CF,VL,E90,BMN</b>
<b>NGC 4124</b> Apr 25 1981 12.5" 24mm	<b>H33-1</b> DIF,PF,PL,ELONG,EDGE ON,FNUC,F HALO	<b>Galaxy SA(r)0+</b>	<b>PB,PL,ME118,BM,R</b>
<b>NGC 4164</b> Apr 26 2003 12.5" 9mmT6	<b>Galaxy E3</b> VDIF,VF,ES,PATCH,UB,AV,PAIR/4165/4241,R=P		<b>VF,2-3'S OF 4165</b>
<b>NGC 4165</b> Apr 26 2003 12.5" 9mmT6	<b>Galaxy SAB(r)a:?</b> VDIF,PF,VS,PATCH,UB,AV HOLDS,PAIR/4241/4164,R=P		<b>EF,*10NP,4168F</b>
<b>NGC 4168</b> Apr 26 2003 12.5" 9mmT6	<b>H105-2</b> VB,PL,R,BNUC,VERY HISB,LARGE NUC AREA,R=E	<b>Galaxy E2</b>	<b>PB,PL,IF,PSBM,R,*INV</b>
<b>NGC 4178</b> Apr 25 1981 12.5" 24mm	<b>Galaxy SB(rs)dm</b> DIF,VF,PS,EDGE ON,FNUC,F HALO,COMP CLOSE		<b>VF,VL,E45,*7F</b>
<b>NGC 4179</b> Apr 25 1981 12.5" 24mm	<b>H9-1</b> DIF,PF,PS,ELONG,BNUC,F HALO	<b>Galaxy S0 sp</b>	<b>PB,PS,PME135,BMN</b>
<b>NGC 4197</b> Apr 19 2014 36" 17mmT4	<b>H134-2</b> MF,ML,EDGE ON,NND,TAPPERED/SHARP ENDS,SOMEWHAT HISB,R=FG	<b>Galaxy Sd</b>	<b>PF,PME,VGBM</b>
<b>NGC 4206</b> Mar 08 2010 31" 17mmT4	<b>H165-2</b> MF,PL,EDGE ON,UB,NND,SOME CENTRAL BULGING,PAIR=IC771,R=G	<b>Galaxy SA(s)bc:</b>	<b>F,VME</b>
<b>NGC 4216</b> Mar 08 2010 31" 17mmT4 Apr 25 1981 12.5" 24mm Jun 10 1980 6" 24mm	<b>H35-1</b> VB,VL,EDGE ON,SMALL VERY BNUC,F* OFF NUC,SOMEWHAT HISB,GMBM,PAIRS=PGC/MAC,R=E VB,EL,ELONG,EDGE ON,BNUC,BARM	<b>Galaxy SAB(s)b:</b>	<b>VB,VL,VME17,SBMN</b>

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<b>NGC 4224</b> Apr 25 1981 12.5" 24mm	<b>H136-2</b> DIF,PF,PS,FNUC,F HALO,PAIR/4233/4235	<b>Galaxy SA(s)a: sp</b>	<b>PB,PS,LE,GBM,R</b>
<b>NGC 4233</b> Apr 25 1981 12.5" 24mm	<b>H496-2</b> DIF,PS,PS,FNUC,F HALO,PAIR/4224/4235	<b>Galaxy S0^</b>	<b>PF,R,VSBMSN</b>
<b>NGC 4235</b> Apr 25 1981 12.5" 24mm	<b>H17-2</b> DIF,PF,PS,FNUC,F HALO,PAIR/4233/4224	<b>Galaxy SA(s)a sp</b>	<b>PB,PL,PME,BM,P OF 2</b>
<b>NGC 4241</b> Apr 26 2003 12.5" 9mmT6	<b>H480-3</b> PB,PL,ELONG TO OVAL,BNUC,MOD HISB,PAIR/4165/4164,R=E	<b>Galaxy SA(s)0+:</b>	<b>VF,L,VGBM,*7S</b>
<b>NGC 4257</b> Apr 26 2003 12.5" 9mmT6	<b>H138-2</b> DIF,PF,MS,EDGE ON,UB,NND,PAIR/4264/4261,R=F	<b>Galaxy Sab: sp</b>	<b>VF,PS,R,*1852'</b>
<b>NGC 4259</b> Apr 26 2003 12.5" 9mmT6	<b>H139-2</b> MF,MS,OVAL,FNUC,CLUSTER,7 OF 9,R=F	<b>Galaxy S0 sp</b>	<b>F,PS,R</b>
<b>NGC 4260</b> Mar 08 2010 31" 17mmT4 Apr 25 1981 12.5" 24mm	<b>H138-2</b> MB,ML,ELONG,LARGE FNUC,SOMEWHAT HISB MIDDLE,R=G DIF,PF,PS,FNUC,DIM HALO,PAIR/4261	<b>Galaxy SB(s)a</b>	<b>PB,E,PSBM</b>
<b>NGC 4261</b> Mar 08 2010 31" 17mmT4 Apr 26 2003 12.5" 9mmT6 Apr 25 1981 12.5" 24mm	<b>H139-2</b> PB,ML,OVAL,LARGE BNUC,GRANULAR HALO,HISB MIDDLE,PAIRS=NGC/PGC'S,R=G VB,PL,R,BNUC,HISB MIDDLE,VMBM,LARGE BRT NUC,PAIR/4264/4257,R=E DIF,PF,PS,FNUC,DIM HALO,PAIR/4260	<b>Galaxy E2-3</b>	<b>PB,PS,R,GBM</b>
<b>NGC 4264</b> Mar 08 2010 31" 17mmT4 Apr 26 2003 12.5" 9mmT6	<b>H140-2</b> MB,ML,R,LARGE FNUC,PAIRS=NGC/PGC'S,R=G MF,MS,OVAL,PATCH,UB,NND,PAIR/4261/4257,R=F	<b>Galaxy SB(rs)0+</b>	<b>F,PS,R,GBM</b>
<b>NGC 4266</b> Apr 26 2003 12.5" 9mmT6	<b>H166-2</b> DIF,EF,ML,EDGE ON,NND,AV HOLDS,B* ON EDGE,CLUSTER,9 OF 9,R=P	<b>Galaxy SB(s)a? sp</b>	<b>PF</b>
<b>NGC 4267</b> Apr 25 1981 12.5" 24mm	<b>H166-2</b> PF,PS,FNUC,DIM HALO	<b>Galaxy SB(s)0-?</b>	<b>PB,VS,R,VSBMBM</b>
<b>NGC 4268</b> Apr 26 2003 12.5" 9mmT6	<b>H568-2</b> PB,ML,OVAL,FNUC,SLIGHTLY HISB,SMALL BRT NUC,CLUSTER,5 OF 9,R=G	<b>Galaxy SB0/a: sp</b>	<b>PF,S,2ND OF 6 NEB</b>
<b>NGC 4269</b> Mar 08 2010 31" 17mmT4	<b>H568-2</b> MF,VS,R,SMALL BNUC,PAIR=IC3155,R=F	<b>Galaxy S0+</b>	<b>PF,S,R,*9F1S,N85"</b>
<b>NGC 4270</b> Apr 26 2003 12.5" 9mmT6 Apr 25 1981 12.5" 24mm	<b>H568-2</b> PB,PL,ELONG,OVAL,FNUC,SOMEWHAT HISB,SBM,CLUSTER,6 OF 9,R=G DIF,PF,PS,DARM,PAIR/4273/4281	<b>Galaxy S0</b>	<b>PB,S,R</b>

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<b>NGC 4273</b>		<b>H569-2</b>	<b>Galaxy SB(s)c</b>	<b>PB,L,E,GBM</b>
Apr 26 2003	12.5" 9mmT6		MB,PL,OVAL,UB,STELL NUC,MOD HISB,CLUSTER,4 OF 9,R=G	
Apr 25 1981	12.5" 24mm		DIF,PF,PS,DARM,PAIR/4270/4281	
<b>NGC 4277</b>		<b>H571-2</b>	<b>Galaxy SAB(rs)0/a:</b>	<b>VF,ES</b>
Apr 26 2003	12.5" 9mmT6		DIF,VF,MS,PATCH,UB,NND,CLUSTER,3 OF 9,R=F	
<b>NGC 4281</b>		<b>H573-2</b>	<b>Galaxy S0+: sp</b>	<b>B,VL,R,PGBM</b>
Apr 26 2003	12.5" 9mmT6		MP,PL,ELONG,BNUC,MOD HISB,GBM,LARGE NUC AREA,CLUSTER,1 OF 9,R=E	
<b>NGC 4282</b>			<b>Galaxy S0?</b>	<b>PF</b>
Apr 26 2003	12.5" 9mmT6		DIF,PF,PS,ELONG,PATCH,UB,NND,CLUSTER,2 OF 9,R=F	
<b>NGC 4289</b>			<b>Galaxy SA(s)cd: sp</b>	<b>VF,S,*8.5F12S</b>
May 30 2014	36" 17mmT4		PF,ML,EDGE ON,NND,PA~0,CLOSE TO B*,SOMEWHAT SLIGHT BULGE IN MIDDLE,SHARP ENDS,R=FG	
<b>NGC 4292</b>			<b>Galaxy (R)SB(r)0^</b>	<b>F,S,R,VGLBM,*9NP72"</b>
Mar 08 2010	31" 17mmT4		MF,PS,OVAL,LARGE FNUC,PAIR=MAC,R=F	
<b>NGC 4294</b>		<b>H61-2</b>	<b>Galaxy SB(s)cd</b>	<b>F,L,ME135,BIN,P OF 2</b>
Apr 25 1981	12.5" 24mm		DIF,EF,PS,FARM,PAIR/4299	
<b>NGC 4299</b>		<b>H62-2</b>	<b>Galaxy SAB(s)dm:</b>	<b>F,L,LE,VGBM,F OF 2</b>
Apr 25 1981	12.5" 24mm		DIF,EF,ES,FARM,PAIR/4294	
<b>NGC 4303</b>	<b>M61</b>	<b>H139-1</b>	<b>Galaxy SAB(rs)bc</b>	<b>VB,VL,VSBM*,BIN</b>
Apr 11 2015	36" 17mmT4		PB,VL,FACE ON,SM VB NUC HISB WELL DEFINED,BRT BAR WITH ARMS AT ENDS,* OFF ONE ARM,BRT PATCHES IN ARMS,OUTSTANDING,R=E	
Mar 08 2010	31" 17mmT4		PB,PL,SMALL BNUC,MOD HISB MIDDLE,FACE ON,F* IN OUTER ARM,SPIRAL STR DET,DUST,PATCHY AREAS IN ARMS,FAINT BAR DET,R=EE	
Mar 19 2004	12.5" 12mmT4		MESSIER MARATHON 2004	
Feb 12 1983	12.5" 24mm		PB,VL,STELL NUC,ARMS DET,FACE ON,KNTS DET	
Apr 25 1981	12.5" 24mm		DIF,VB,VL,DNUC,FARM	
Mar 27 1981	12.5" 24mm		MESSIER MARATHON 1981	
Jun 10 1980	6" 24mm			
<b>NGC 4307</b>			<b>Galaxy Sb sp</b>	<b>PF,L,ME,3KNOTS</b>
Apr 25 1981	12.5" 24mm		DIF,PF,PS,EDGE ON,DARM	
<b>NGC 4313</b>		<b>H63-2</b>	<b>Galaxy SA(rs)ab: sp</b>	<b>VF,L,E135,R</b>
Apr 26 2003	12.5" 9mmT6		VB,VL,EDGE ON,UB,NND,MOD HISB,R=E	
<b>NGC 4324</b>			<b>Galaxy SA(r)0+</b>	<b>PB,RORLE,BM</b>
Apr 25 1981	12.5" 24mm		DIF,PF,PS,FNUC,FARM	
<b>NGC 4330</b>			<b>Galaxy Scd?</b>	<b>VF,L,ME</b>
May 30 2014	36" 17mmT4		MB,ML,EDGE ON,NND,PA~70,SOMEWHAT HISB,SOME BROKEN ARMS,R=G	

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<b>NGC 4339</b> Apr 25 1981 12.5" 24mm	<b>H143-2</b> DIF,PF,PS,FNUC	<b>Galaxy E0</b>	<b>B,PL,R,BM,3RD OF 3</b>
<b>NGC 4342</b> Apr 25 1981 12.5" 24mm	<b>H96-3</b> DIF,EF,PS,FARM,PAIR/4365	<b>Galaxy S0- sp</b>	<b>EF,VS,R</b>
<b>NGC 4343</b> Apr 26 2003 12.5" 9mmT6	<b>H94-3</b> MB,ML,OVAL,SOMEWHAT HISB,LARGE BRT CENTRAL AREA,R=G	<b>Galaxy SA(rs)b:</b>	<b>PF,S,E,(D)</b>
<b>NGC 4356</b> May 30 2014 36" 17mmT4	<b>H481-3</b> MB,ML,EDGE ON,NND,PA-45,SOMEWHAT HISB,* JUST OF NUC,TAPPERED ENDS,R=FG	<b>Galaxy Scd:</b>	<b>VF</b>
<b>NGC 4365</b> Mar 08 2010 31" 17mmT4 Apr 25 1981 12.5" 24mm Jun 10 1980 6" 24mm	<b>H30-1</b> PB,PL,OVAL,LARGE BNUC,GRANULAR AREA AROUND NUC,HISB MIDDLE,R=G PB,PL,BNUC,FARM,PAIR/4342 SMALL FUZZY PATCH	<b>Galaxy E3</b>	<b>CB,PL,VLE,GL,SMBM</b>
<b>NGC 4366</b> Mar 08 2010 31" 17mmT4	<b>H97-3</b> MF,MS,ELONG,UB,NND,PAIR=4370,R=F	<b>Galaxy E</b>	<b>EF</b>
<b>NGC 4370</b> Mar 08 2010 31" 17mmT4	<b>H144-2</b> MB,ML,OVAL,R,UB,NND,SHISB,PAIR=4366,R=F	<b>Galaxy Sa sp</b>	<b>PF,PS,LE,BM</b>
<b>NGC 4371</b> Apr 25 1981 12.5" 24mm	<b>H22-1</b> PB,PS,BNUC,F HALO	<b>Galaxy SB(r)0+</b>	<b>B,PS,R,GBM</b>
<b>NGC 4374</b> Apr 11 2015 36" 17mmT4 Mar 08 2010 31" 17mmT4 Mar 19 2004 12.5" 12mmT4 Apr 25 1981 12.5" 24mm Mar 27 1981 12.5" 24mm Jun 10 1980 6" 24mm	<b>M84</b> EB,VL,OVAL,GMBM,HISB MIDDLE,MOD SNUC,FT OBLONG HALO AROUND NUC,R=G VB,PL,R,LARGE BNUC,GRANULAR HALO,HISB MIDDLE,R=G MESSIER MARATHON 2004 EB,PL,BNUC,BARM,HALO MESSIER MARATHON 1981	<b>Galaxy E1</b>	<b>VB,PL,R,PSBM,R</b>
<b>NGC 4378</b> Apr 25 1981 12.5" 24mm	<b>H123-1</b> PF,PS,FNUC	<b>Galaxy (R)SA(s)a</b>	<b>B,S,*8,9SF3'</b>
<b>NGC 4380</b> Apr 25 1981 12.5" 24mm	<b>H167-2</b> DIF,EF,PL,FARM	<b>Galaxy SA(rs)b:?</b>	<b>VF,PL,R,LBM</b>
<b>NGC 4387</b> Mar 08 2010 31" 17mmT4	<b>H167-2</b> PB,MS,OVAL,LARGE BNUC,HISB MIDDLE,R=G	<b>Galaxy E</b>	<b>PF,VS,R,*13NP90,NP-2</b>
<b>NGC 4388</b> Apr 11 2015 36" 17mmT4 Apr 25 1981 12.5" 24mm Mar 27 1981 12.5" 24mm	<b>H168-2</b> VB,VL,EL-EDGE ON,LFNUC,GBRTER MIDDLE,SOFT NUC,DUST,BROKEN PARTS IN ARMS,R=E DIF,PB,EL,EDGE ON,FNUC,DARM,PAIR/M86	<b>Galaxy SA(s)b: sp</b>	<b>VF,E,SF OF2</b>

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<b>NGC 4402</b>		<b>Galaxy Sb sp</b>	<b>F,L,ME90</b>
Mar 08 2010 31"	17mmT4	MB,PL,EDGE ON,UB,NND,SLIGHTLY TAPPED ENDS,R=G	
<b>NGC 4406</b>	<b>M86</b>	<b>Galaxy E3</b>	<b>VB,L,R,GBMN,R</b>
Apr 11 2015 36"	17mmT4	EB,VL,OVAL,GMBM,HISB MIDDLE,MOD SNUC,FT OBLONG HALO AROUND NUC,R=G	
Mar 08 2010 31"	17mmT4	VB,PL,OVAL,LARGE BNUC,GRANULAR HALO,GRAD BM,HISB MIDDLE,COMP=PGC40659,R=G	
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Apr 25 1981 12.5"	24mm	EB,PL,BARM,PAIR/4388	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jun 10 1980 6"	24mm		
<b>NGC 4412</b>		<b>H34-2 Galaxy SB(r)b? pec</b>	<b>F,PL,R,GBM,R</b>
Apr 25 1981 12.5"	24mm	DIF,PF,PL,DARM	
<b>NGC 4417</b>		<b>H155-2 Galaxy SB0: sp</b>	<b>F,PL,E,LBP</b>
Apr 25 1981 12.5"	24mm	DIF,PF,PL,EDGE ON,FNUC,FARM,PAIR/4424	
<b>NGC 4424</b>		<b>Galaxy SB(s)a:</b>	<b>F,PL,IR,BM</b>
Apr 25 1981 12.5"	24mm	PB,PL,EDGE ON,DNUC,FARM,PAIR/4417	
<b>NGC 4425</b>		<b>H170-2 Galaxy SB0+: sp</b>	<b>PF,S,R,BM</b>
Apr 25 1981 12.5"	24mm	DIF,PF,PS,EDGE ON,FNUC,FARM	
<b>NGC 4429</b>		<b>H65-2 Galaxy SA(r)0+</b>	<b>B,L,CE,PSBM,*10NF</b>
Apr 25 1981 12.5"	24mm	DIF,PB,PL,FNUC,DARM	
<b>NGC 4433</b>		<b>Galaxy SAB(s)ab</b>	<b>PF,PL,LE</b>
May 01 1981 12.5"	24mm	DIF,EF,PS,EDGE ON,FNUC,DARM	
<b>NGC 4435</b>		<b>H28-1 Galaxy SB(s)0^</b>	<b>VB,CL,R,NP OF 2</b>
Mar 16 2010 31"	17mmT4	VB,VL,OVAL,LARGE BNUC,HISB,PAIR=4438,R=E	
May 01 1981 12.5"	24mm	PB,PS,BNUC	
Mar 27 1981 12.5"	24mm		
Jun 10 1980 6"	24mm		
<b>NGC 4437</b>		<b>H5-4 Galaxy SA(s)cd: sp</b>	<b>F,EE75,*10NF</b>
May 30 2014 36"	17mmT4	MB,EL,EDGE ON,NND,PA~90,EDGE TO EDGE IN EYEPIECE FOV,SHISB,GRANULAR,DUST,BROKEN PARTS,SOMEWHAT CENTRAL BULGE,R=G	
May 01 1981 12.5"	24mm	PF,EL,EDGE ON,FARM	
<b>NGC 4438</b>		<b>H28-1 Galaxy SA(s)0/a pec:</b>	<b>B,CL,VLE,R,SF OF 2</b>
Mar 16 2010 31"	17mmT4	VB,VL,ELONG,LARGE BNUC,HISB MIDDLE,GRANULAR HALO,SPR STR SUSP,PAIR=4435,R=E	
May 01 1981 12.5"	24mm	DIF,PB,PL,BNUC,DARM	
Mar 27 1981 12.5"	24mm		
Jun 10 1980 6"	24mm		
<b>NGC 4442</b>		<b>H156-2 Galaxy SB(s)0^</b>	<b>VB,PL,R,SMBM</b>



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<b>NGC 4442</b> May 01 1981 12.5" 24mm	<b>H156-2</b> PB,PS,BNUC,FARM	<b>Galaxy SB(s)0^</b>	<b>VB,PL,R,SMBM</b>
<b>NGC 4454</b> May 01 1981 12.5" 24mm	<b>H180-2</b> PF,PL,EDGE ON,DNUC,DARM	<b>Galaxy (R)SB(r)0/a</b>	<b>F,L,R,GBM,ER</b>
<b>NGC 4457</b> May 01 1981 12.5" 24mm	<b>H35-2</b> PB,PL,BNUC,DARM	<b>Galaxy (R)SAB(s)0/a</b>	<b>CB,PS,R,SMBMN</b>
<b>NGC 4461</b> May 01 1981 12.5" 24mm Mar 27 1981 12.5" 24mm	<b>H122-2</b> DIF,PF,PS,FNUC,FARM,PAIR/4473	<b>Galaxy SB(s)0+:</b>	<b>PF,S,R,BM,F OF 2</b>
<b>NGC 4464</b> Mar 16 2010 31" 17mmT4	<b>H483-3</b> MB,MS,R,SMALL BNUC,PAIR=4472,R=G	<b>Galaxy S?</b>	<b>F,VS,R,PGBM</b>
<b>NGC 4465</b> Mar 16 2010 31" 17mmT4		<b>Galaxy Sc</b>	<b>VF,VDIF</b>
	MF,VS,PATCH,UB,NND,ALL 3 JUST OUTSIDE HALO OF NGC4472.PAIRS=4467/PGC,R=F		
<b>NGC 4466</b> Mar 16 2010 31" 17mmT4		<b>Galaxy Sab? sp</b>	<b>VF,PS,IR</b>
	MF,ML,EDGE ON,UB,NND,CIGAR SHAPE,PAIR=4470,R=G		
<b>NGC 4467</b> Mar 16 2010 31" 17mmT4		<b>Galaxy E2</b>	<b>VF,VS,LE</b>
	MF,VS,OVAL,LAFRGE FNUC,ALL 3 JUST OUTSIDE HALO OF NGC4472,PAIRS=4465/PGC,R=F		
<b>NGC 4469</b> May 01 1981 12.5" 24mm	<b>H157-2</b> DIF,PF,PL,ELONG,FNUC,DARM,F* 15 MAG	<b>Galaxy SB(s)0/a? sp</b>	<b>PF,PL,ME,BM,R</b>
<b>NGC 4470</b> Mar 16 2010 31" 17mmT4	<b>H18-2</b> PB,ML,UB,NND,PATCHY,PAIR=4466,R=G	<b>Galaxy Sa?</b>	<b>F,PL,IR,BM</b>
<b>NGC 4472</b> Apr 11 2015 36" 17mmT4 Mar 16 2010 31" 17mmT4 Mar 19 2004 12.5" 12mmT4 May 01 1981 12.5" 24mm Mar 27 1981 12.5" 24mm Jun 10 1980 6" 24mm	<b>M49</b> EB,VL,VL BRT NUC,BM,HISB MID,* OFF NUC,OVAL PATCH MOD HISB,R=G VB,VL,OVAL,LARGE BNUC,LARGE HALO ARMS,GRAD MBM,HISB MIDDLE,F* OFF NUC,R=E MESSIER MARATHON 2004 EB,EL,BNUC,BARM,F* 12 MAG TO S,3F*S TO E MESSIER MARATHON 1981	<b>Galaxy E2</b>	<b>VB,L,R,MBM,R</b>
<b>NGC 4476</b> May 01 1981 12.5" 24mm	<b>H123-2</b> DIF,EF,PS,FARM,PAIR/M87/4478	<b>Galaxy SA(r)0-:</b>	<b>F,S,R,BM,1ST OF 3</b>
<b>NGC 4478</b> May 01 1981 12.5" 24mm	<b>H124-2</b> PF,PS,ELONG,FNUC,FARM,PAIR/4476/M87	<b>Galaxy E2</b>	<b>PB,S,R,PSBM,2ND OF 3</b>
<b>NGC 4483</b> May 01 1981 12.5" 24mm		<b>Galaxy SB(s)0+:</b>	<b>PB,PS,R,BM</b>
	DIF,EF,PS,EFARMS,EFNUC		

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<b>NGC 4486</b>	<b>M87</b>	<b>Galaxy E+0-1 pec</b>	<b>VB,VL,R,MBM,3RD OF 3</b>
Apr 11 2015 36"	17mmT4	EB,EL,OVAL,R,VLBRT NUC,GETS BRT IN MID,HISB CENTER,FT HALO AROUND NUC,NO ARM STR,R=GE	
May 09 2010 31"	17mmT4	EB,VL,OVAL,R,LBNUC,LG GRANULAR ARMS,GMBM,HISB MIDDLE,LARGE HALO,R=E	
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
May 01 1981 12.5"	24mm	EB,EL,BNUC,1 OF 3 COMP	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jun 10 1980 6"	24mm		
<b>NGC 4487</b>	<b>H776-2</b>	<b>Galaxy SAB(rs)cd</b>	<b>F,VL,ER</b>
May 01 1981 12.5"	24mm	DIF,EF,PL,FARM	
<b>NGC 4503</b>	<b>H66-2</b>	<b>Galaxy SB0-:</b>	<b>PB,S,R,GBM</b>
May 01 1981 12.5"	24mm	PF,PS,FNUC	
<b>NGC 4504</b>	<b>H771-2</b>	<b>Galaxy SA(s)cd</b>	<b>PB,CL,IE,GVLBM,ER</b>
May 01 1981 12.5"	24mm	DIF,PF,PL,FARM	
<b>NGC 4519</b>	<b>H158-2</b>	<b>Galaxy SB(rs)d</b>	<b>F,PL,R,BM,R</b>
May 03 1981 12.5"	24mm	DIF,PF,PL,FARM	
<b>NGC 4522</b>		<b>Galaxy SB(s)cd: sp</b>	<b>EF,PL,LE,VLBM</b>
May 03 1981 12.5"	24mm	DIF,EF,PL,ELONG,FARM	
<b>NGC 4526</b>	<b>H31-1</b>	<b>Galaxy SAB(s)0^:</b>	<b>VB,VL,ME120,PSMBM</b>
May 09 2010 31"	17mmT4	EB,EL,ELONG,SBNUC,HARD TO KEEP B* OUT OF FOV,GRANULAR ARMS,HISB MIDDLE,GMBM,SM TIGHT BRT NUC,R=E	
May 03 1981 12.5"	24mm	VB,PL,ELONG,BNUC,BARM	
Jun 10 1980 6"	24mm		
<b>NGC 4527</b>	<b>H37-2</b>	<b>Galaxy SAB(s)bc</b>	<b>PB,L,PME69,MBM</b>
May 03 1981 12.5"	24mm	PB,PL,ELONG,DNUC,FARM,PAIR/4536	
<b>NGC 4532</b>	<b>H147-2</b>	<b>Galaxy IBm</b>	<b>PB,PL,PME,VGBM,R</b>
May 03 1981 12.5"	24mm	PB,PL,ELONG,DARM	
<b>NGC 4535</b>	<b>H500-2</b>	<b>Galaxy SAB(s)c</b>	<b>PF,VL,R</b>
May 03 1981 12.5"	24mm	DIF,PB,EF,DARM,F* APPROX 11 MAG	
<b>NGC 4536</b>	<b>H2-5</b>	<b>Galaxy SAB(rs)bc</b>	<b>B,VL,ME110,SBM,ER</b>
May 03 1981 12.5"	24mm	DIF,PB,EL,ELONG,DARM,PAIR/4527	
<b>NGC 4546</b>	<b>H160-1</b>	<b>Galaxy SB(s)0-:</b>	<b>VB,CL,PME78,VSMBMN</b>
Feb 12 1983 12.5"	16mm	MB,PS,BNUC,F*E SEVERAL GAL DIA,TAPPED ENDS	
<b>NGC 4550</b>	<b>H36-1</b>	<b>Galaxy SB0^: sp</b>	<b>PB,S,VLE,SP OF 2</b>
Jun 04 1981 12.5"	24mm	DIF,PF,PS,ELONG,DARM,NGC 4551 CLOSE BY,PAIR/M89	

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<b>NGC 4552</b>	<b>M89</b>	<b>Galaxy E0-1</b>	<b>PB,PS,R,GMBM</b>
Apr 11 2015 36"	17mmT4	EB,ML,OVAL,R,EXT BRT IN MID,HISB CENTER,GR GET BRT TOWARDS MID,FT HALO,R=GE	
May 09 2010 31"	17mmT4	EB,VL,OVAL,R,LBNUC,GRANULAR HALO,HISB MIDDLE,SUDDENLY MBM,R=E	
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Jun 04 1981 12.5"	24mm	VB,VL,BNUC,BRT HALO,PAIR/4550	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jun 10 1980 6"	24mm		
<b>NGC 4564</b>		<b>H68-2</b>	<b>Galaxy E</b>
May 09 2010 31"	17mmT4	PB,ML,ELONG,SBNUC,GMBM,MOD HISB,HISB MIDDLE,R=G	<b>PB,S,LE,PSBM</b>
Jun 04 1981 12.5"	24mm	VB,VS,BNUC,PAIR/4567/4568	
<b>NGC 4567</b>		<b>H8-4</b>	<b>Galaxy SA(rs)bc</b>
May 09 2010 31"	17mmT4	MB,PL,OVAL,VSNUC,SHISB,STELLAR LIKE NUC,TOUCHING=4568,EXCELLENT PAIR,R=E	<b>VF,L,NP OF D NEB</b>
Jun 04 1981 12.5"	24mm	DIF,PB,VL,ELONG,DIM HALO,PAIR/4564/4568	
Jun 10 1980 6"	24mm	NOT SURE IF IT IS 4567 OR 4568	
<b>NGC 4568</b>		<b>H9-4</b>	<b>Galaxy SA(rs)bc</b>
May 09 2010 31"	17mmT4	MB,PL,OVAL,NND,SHISB,PATCHY,BROKEN ARMS/DUST,TOUCHING=4567,EXCELLENT PAIR,R=E	<b>VF,L,SF OF D NEB</b>
Jun 04 1981 12.5"	24mm	DIF,PB,VL,ELONG,DIM HALO,PAIR/4564/4567	
<b>NGC 4569</b>	<b>M90</b>	<b>Galaxy SAB(rs)ab</b>	<b>PL,BMN</b>
Apr 11 2015 36"	17mmT4	PB,EL,EL,OVAL,BNUC,V SM * LIKE NUC,FT OVAL HALO MOSTLY ELONG,NO ARM STR,R=G	
May 18 2007 31"	17mmT4	EB,EL,ELONG,SM VERY BNUC,SM WELL DEFINED NUC,FARMS,DUST AREA SUSP ONE SIDE,R=E	
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Jun 04 1981 12.5"	24mm	EB,EL,ELONG,BNUC,BRT HALO	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jun 10 1980 6"	24mm		
<b>NGC 4570</b>		<b>H32-1</b>	<b>Galaxy S0 sp</b>
May 09 2010 31"	17mmT4	VB,VL,ELONG,EDGE ON,SBNUC,HISB,SUDDENLY MBM,TAPPED ENDS,SLIGHT CENTRAL BULGE,R=G	<b>CB,PS,ME0,SBMRN</b>
Jun 04 1981 12.5"	24mm	PB,VS,ELONG,BNUC	
Jun 10 1980 6"	24mm	JUST BARELY VISIBLE	
<b>NGC 4578</b>		<b>H15-2</b>	<b>Galaxy SA(r)0^:</b>
Jun 04 1981 12.5"	24mm	VF,ES,DNUC	<b>PF,PS,R,SBMN,*NP</b>
<b>NGC 4579</b>	<b>M58</b>	<b>Galaxy SAB(rs)b</b>	<b>B,L,IR,VMBM,R</b>
Apr 11 2015 36"	17mmT4	PB,PL,OVAL,GMBM,HISB MID,MOD SNUC,PATCH,R=G	
May 09 2010 31"	17mmT4	PB,PL,ELONG,SMALL BNUC,SMBM,HISB MIDDLE,R=G	
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Jun 04 1981 12.5"	24mm	PB,PL,BNUC,DIM HALO	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jun 10 1980 6"	24mm		
<b>NGC 4580</b>		<b>H124-1</b>	<b>Galaxy SAB(rs)a pec</b>
			<b>PB,L,VGBM</b>



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<b>NGC 4636</b>		<b>H38-2</b>	<b>Galaxy E</b>	<b>B,L,IR,VGVMBM,R</b>
Mar 27 1982 12.5"	12mm		DIF,MB,PS,BNUC,COMP SUSP N TIP,B* TO W,MOD HISB,MBM	
Jun 04 1981 12.5"	16mm		MB,ML,BNUC,DIM HALO	
<b>NGC 4637</b>			<b>Galaxy S0?</b>	<b>DNEB W/4638,()</b>
Mar 27 1982 12.5"	12mm		VDIF,VF,MS,NND,STELL,R,UB	
<b>NGC 4638</b>		<b>H70-2</b>	<b>Galaxy S0- sp</b>	<b>F,R,GBM</b>
Mar 27 1982 12.5"	12mm		MF,PS,ELONG,BNUC,OVAL,VMBM	
Jun 04 1981 12.5"	24mm		DIF,MB,PL,BNUC,DIM HALO,PAIR/M60	
<b>NGC 4639</b>		<b>H125-2</b>	<b>Galaxy SAB(rs)bc</b>	<b>PB,S,E,R,*12SF1'</b>
Mar 27 1982 12.5"	12mm		DIF,MB,PS,CLOSE TO 4654,R,SBM,F*N EDGE	
<b>NGC 4642</b>		<b>H494-3</b>	<b>Galaxy SAB(rs)bc p sp</b>	<b>VF,CS,E</b>
Mar 27 1982 12.5"	12mm		EDIF,VF,MS,SLIGHTLY BM,OVAL,UB	
<b>NGC 4643</b>		<b>H10-1</b>	<b>Galaxy SB(rs)0/a</b>	<b>CB,PS,LE,MBM</b>
Mar 27 1982 12.5"	12mm		MB,MS,ELONG,BNUC,VMBM,HISB TOWARDS MIDDLE,B* OFF TO SIDE	
Jun 04 1981 12.5"	24mm		DIF,BNUC,DIM HALO	
<b>NGC 4647</b>		<b>H44-3</b>	<b>Galaxy SAB(rs)c</b>	<b>PF,PL,LE115,NPOFDNEB</b>
May 09 2010 31"	17mmT4		MB,PL,PATCHY,LBNUC,CLOSE COMP=4649,PAIR=PGC42846,R=G	
Mar 22 2004 12.5"	12mmT4		MF,ML,OVAL,PATCH,UB,CLOSE PAIR=M60,VERY SMALL FNUC,R=F	
Mar 27 1982 12.5"	12mm			
Mar 27 1981 12.5"	24mm			
<b>NGC 4649</b>	<b>M60</b>		<b>Galaxy E2</b>	<b>VB,PL,R,FOF DNEB</b>
Apr 11 2015 36"	17mmT4		EB,VL,LG SOFT BRT NUC,HISB MID,LG OVAL PATCH,CLOSE COMP,R=G	
May 09 2010 31"	17mmT4		VB,VL,OVAL,LBNUC,NUC ALMOST UB,SMBM,HISB MIDDLE,CLOSE COMP=4647,PAIR=PGC42846,R=E	
Mar 19 2004 12.5"	12mmT4		MESSIER MARATHON 2004	
Mar 27 1982 12.5"	12mm		MF,PS,ELONG,BNUC,LOC IN BARREN * FIELD,PAIR/4638	
Jun 04 1981 12.5"	24mm		PB,PL,BNUC,BRT HALO,PAIR/4638	
Mar 27 1981 12.5"	24mm		MESSIER MARATHON 1981	
Jun 10 1980 6"	24mm			
<b>NGC 4653</b>		<b>H662-3</b>	<b>Galaxy SAB(rs)cd</b>	<b>VF,PL</b>
Mar 27 1982 12.5"	12mm		DIF,VERY EDGE ON,DOUBLE * CLOSE BY,BRT MIDDLE,STELL NUC,DUST SUSP,CLOSE COMP?	
<b>NGC 4654</b>		<b>H126-2</b>	<b>Galaxy SAB(rs)cd</b>	<b>F,VL,PME,(D),3*NR</b>
Mar 27 1982 12.5"	12mm		DIF,MB,PL,2F*S TO N,B* TO W,STELL NUC,OVAL,UB,MOD HISB	
<b>NGC 4658</b>		<b>H558-2</b>	<b>Galaxy SB(s)bc</b>	<b>VF,L,E,*16ATT,*9P</b>
Mar 27 1982 12.5"	12mm		VDIF,VF,MS,F*N EDGE,B* CLOSE BY,OVAL,PATCHY,NND,UB,PAIR/4663	
<b>NGC 4660</b>		<b>H71-2</b>	<b>Galaxy E:</b>	<b>VB,S,VSVMBMN</b>
Jun 04 1981 12.5"	24mm		PF,PS,DNUC,DIM HALO,PAIR/M59	

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<b>NGC 4663</b> Mar 27 1982 12.5" 12mm	<b>Galaxy SB(s)0<sup>+</sup>?</b> VF,PS,FNUC,F*NW 1 GAL DIA,R,SBM,PAIR/4658	<b>VF,S,*13,14F</b>
<b>NGC 4664</b> Mar 27 1982 12.5" 12mm	<b>H142-1 Galaxy SB(s)0/a</b> MB,MS,BNUC,F* TOWARDS S TIP,B* TO W,VMBM,OVAL	<b>PB,2S*IN M,(=4665)</b>
<b>NGC 4666</b> Mar 27 1982 12.5" 12mm	<b>H15-1 Galaxy SABc:</b> DIF,MF,PL,EDGE ON,FNUC,STELL NUC,SBM,TAPPERED ENDS	<b>B,VL,ME45,PSBM</b>
<b>NGC 4671</b> Mar 27 1982 12.5" 12mm	<b>H774-2 Galaxy E+ pec:</b> DIF,VF,VS,FNUC,FORMS TRI OF F*S,R,SBM	<b>PF,S,R,PSMBM</b>
<b>NGC 4680</b> Mar 27 1982 12.5" 12mm	<b>Galaxy Pec</b> VDIF,MF,PS,HISB,F* IN GAL,NND,OVAL	<b>EF,S,1OR2*INV</b>
<b>NGC 4684</b> Mar 27 1982 12.5" 12mm	<b>H181-2 Galaxy SB(r)0+</b> MB,PS,ELONG,BNUC,F* OFF TIP,GMBM	<b>B,PL,PME25</b>
<b>NGC 4690</b> Feb 27 1982 12.5" 12mm	<b>H664-3 Galaxy (R')SA0-?</b> MARS TOO CLOSE, CANNOT SEE GAL	<b>VF,S</b>
<b>NGC 4691</b> Mar 27 1982 12.5" 12mm	<b>H182-2 Galaxy (R)SB(s)0/a pec</b> MF,MS,ELONG,BRT BAR WITH DIF HALO,NND,HISB ALONG EQ PLANE	<b>PB,PL,E90,MBM</b>
<b>NGC 4697</b> Mar 27 1982 12.5" 12mm	<b>H39-1 Galaxy E6</b> MB,ML,ELONG,OVAL,F* TO W,GMBM,TAPPERED ENDS	<b>VB,L,LE45,SMBMN</b>
<b>NGC 4698</b> Mar 27 1982 12.5" 12mm	<b>H8-1 Galaxy SA(s)ab</b> MF,MS,DNUC,DIF HALO,SMBM,R,BETWEEN 2F*S	<b>CB,PL,IR,BM,R</b>
<b>NGC 4699</b> Mar 27 1982 12.5" 12mm	<b>H129-1 Galaxy SAB(rs)b</b> MB,MS,BNUC,R,SBM,F*S SEVERAL GAL DIA	<b>VB,R,VMBMRN,R</b>
<b>NGC 4700</b> Mar 27 1982 12.5" 12mm	<b>H524-3 Galaxy SB(s)c? sp</b> DIF,MF,PL,EDGE ON,B* TO W,NND,UB	<b>F,L,ME40,VLBM,B*P</b>
<b>NGC 4701</b> Mar 27 1982 12.5" 12mm	<b>H578-2 Galaxy SA(s)cd</b> VDIF,VF,MS,R-PATCHY,NND,SMBM	<b>F,S</b>
<b>NGC 4703</b> Mar 27 1982 12.5" 12mm	<b>H514-3 Galaxy Sb sp</b> EDIF,VF,VS,ELONG,STELL NUC SUSP,NO *S	<b>EF,CS,PME</b>
<b>NGC 4705</b> Mar 27 1982 12.5" 12mm	<b>H610-3 Galaxy SAB(s)bc: sp</b> EDIF,VF,MS,ELONG,UB,NND	<b>CF,PL,LE</b>
<b>NGC 4742</b> Mar 22 2004 12.5" 12mmT4	<b>H133-1 Galaxy E4:</b> MF,PS,R,SMALL BNUC,SHISB,HISB MIDDLE,GMBM,R=G	<b>PB,VS,VBMN=*11,*10SF</b>

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<b>NGC 4753</b> Feb 12 1983 12.5" 16mm	<b>H16-1</b> MB,ML,ELONG,DNUC,SMB,STELL NUC	<b>Galaxy I0</b>	<b>CB,L,VLE,VGLBM</b>
<b>NGC 4754</b> Feb 12 1983 12.5" 16mm	<b>H25-1</b> MF,MS,SBM,R,PAIR/4762	<b>Galaxy SB(r)0-:</b>	<b>B,PL,R,PSBM,P OF 2</b>
<b>NGC 4757</b> Mar 22 2004 12.5" 12mmT4	VF,VS,ELONG,PATCH,UB,NND,PAIRS=4760/4766,R=P	<b>Galaxy S0 sp</b>	<b>VF</b>
<b>NGC 4759</b> May 18 2007 31" 17mmT4	<b>H559-2</b> PB,ML,R,SBNUC,CLOSE COMP=4778,HISB,EXCELLENT HICKSON GROUP,R=G	<b>Galaxy S0^ pec</b>	<b>PL,D,*10SP2'</b>
<b>NGC 4760</b> Mar 22 2004 12.5" 12mmT4	MF,MS,R,LARGE BNUC,HISB MIDDLE,PAIRS=4766/4757,R=G	<b>Galaxy E0?</b>	<b>PB,R</b>
<b>NGC 4761</b> May 18 2007 31" 17mmT4	MB,MS,R,SBNUC,GRAD BM,EXCELLENT HICKSON GROUP,R=G	<b>Galaxy E+</b>	<b>EF,ES,1'F DNEB4759</b>
<b>NGC 4762</b> Feb 12 1983 12.5" 16mm	<b>H75-2</b> MB,MS,3B*S OFF TO A SIDE,APPEARS LIKE M104,PAIR/4754	<b>Galaxy SB(r)0^? sp</b>	<b>PB,VME31,3B*S,F OF 2</b>
<b>NGC 4764</b> May 18 2007 31" 17mmT4	PF,PS,PATCH,UB,NND,EXCELLENT HICKSON GROUP,R=P	<b>Galaxy S?</b>	<b>EF,ES,SF DNEB 4759</b>
<b>NGC 4766</b> Mar 22 2004 12.5" 12mmT4	VF,VS,ELONG,PATCH,UB,NND,PAIRS=4760/4757,R=P	<b>Galaxy S0 sp</b>	<b>VF</b>
<b>NGC 4778</b> May 18 2007 31" 17mmT4	<b>Galaxy S0+ sp</b> PB,ML,R,SBNUC,CLOSE COMP=4759,HISB,EXCELLENT HICKSON GROUP,R=G		<b>VF,S,R,VLBM,F OFDNEB</b>
<b>NGC 4781</b> Feb 12 1983 12.5" 24mm	<b>H134-1</b> DIF,MF,ML,3 OR 4 F*S GOING OFF TO THE W,NND,UB,OVAL	<b>Galaxy SB(rs)d</b>	<b>CB,VL,ME</b>
<b>NGC 4809</b> May 18 2007 31" 17mmT4	MF,MS,EDGE ON,UB,NND,CLOSE COMP=4810,R=F	<b>Galaxy Im pec</b>	<b>F,DNEB W/4810</b>
<b>NGC 4810</b> May 18 2007 31" 17mmT4	MF,PS,OVAL,UB,NND,CLOSE COMP=4809,R=F	<b>Galaxy Im pec</b>	<b>F,DNEB W/4809</b>
<b>NGC 4845</b> Feb 12 1983 12.5" 16mm	<b>H536-2</b> DIF,MF,MS,ELONG,BETWEEN 2F*S,UB,NND	<b>Galaxy SA(s)ab sp</b>	<b>PF,PL,PME,VGBM,*NF</b>
<b>NGC 4856</b> Feb 12 1983 12.5" 16mm	<b>H68-1</b> MB,PS,BNUC,R,BM,VF* ON N EDGE	<b>Galaxy SB(s)0/a</b>	<b>B,R,PSMBM,*13NP</b>
<b>NGC 4866</b> Feb 12 1983 12.5" 16mm	<b>H162-1</b> DIF,MF,PS,EDGE ON,FNUC,F* IN W TIP,SMALL STELL NUC,SLIGHTLY TAPPED	<b>Galaxy SA(r)0+: sp</b>	<b>B,PL,ME90,SBMN,S*INV</b>

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<b>NGC 4880</b> Mar 22 2004 12.5" 12mmT4	<b>H83-3</b> MF,MS,OVAL,PATCH,LARGE VFNUC,SBM,R=F	<b>Galaxy SA(r)0+:</b>	<b>CF,PL,R,VGLBM,R</b>
<b>NGC 4887</b> Mar 22 2004 12.5" 12mmT4	<b>H614-3</b> VF,PS,OVAL,R,PATCH,UB,PAIR=4902,R=P	<b>Galaxy SA0+ pec?</b>	<b>VF,4902NF</b>
<b>NGC 4890</b> Mar 22 2004 12.5" 12mmT4	<b>H143-1</b> PF,MS,OVAL,PATCH,NND,SOMEWHAT BM,PAIRS=4915/4918,R=F	<b>Galaxy Sm</b>	<b>CF,S,IR,BM</b>
<b>NGC 4900</b> Feb 12 1983 12.5" 16mm	<b>H69-1</b> MB,ML,F* IN E EDGE,MOD HISB,UB,OVAL	<b>Galaxy SB(rs)c</b>	<b>CB,CE,*10ATT POS135</b>
<b>NGC 4902</b> Mar 22 2004 12.5" 12mmT4	<b>H517-2</b> MB,PL,OVAL,LARGE FNUC,SHISB,PAIR=4887,R=G	<b>Galaxy SB(r)b</b>	<b>PB,PL,IR,ST NR</b>
<b>NGC 4904</b> Mar 22 2004 12.5" 12mmT4	<b>H47-4</b> PF,MS,OVAL,PATCH,LARGE FNUC,SBM,R=F	<b>Galaxy SB(s)cd</b>	<b>PB,PS,R,BM</b>
<b>NGC 4915</b> Mar 22 2004 12.5" 12mmT4	<b>H4918</b> PB,PS,R,SMALL BNUC,HISB MIDDLE,PAIRS=4918/4890,R=G	<b>Galaxy E0</b>	<b>PB,S,R,BM</b>
<b>NGC 4918</b> Mar 22 2004 12.5" 12mmT4	<b>H4928</b> VDIF,VF,VS,PATCH,UB,NND,PAIRS=4915/4890,R=P	<b>Galaxy SA0+?</b>	<b>EF,ES,R,BMN,4915SP4'</b>
<b>NGC 4928</b> Mar 22 2004 12.5" 12mmT4	<b>H4933A</b> MF,MS,R,UB,SHISB,R=F	<b>Galaxy SA(s)bc pec</b>	<b>F,PS,VLE,GLBM</b>
<b>NGC 4933A</b> May 18 2007 31" 17mmT4	<b>H4933B</b> PB,PL,EL,LBNUC,FARMS,PATCHY AREAS,TOUCHING,HISB MIDDLE,CLOSE COMP=4933B,R=G	<b>Galaxy S0/a pec</b>	
<b>NGC 4933B</b> May 18 2007 31" 17mmT4	<b>H4933C</b> MB,ML,EL,LBNUC,PATCHY AREAS,ARMS,TOUCHING,HISB MIDDLE,CLOSE COMP=4933A,R=G	<b>Galaxy E pec</b>	
<b>NGC 4933C</b> May 18 2007 31" 17mmT4	<b>H4939</b> NO FIND,LOC GOOD,PAIRS=4933A&B	<b>Galaxy Sd</b>	
<b>NGC 4939</b> Mar 22 2004 12.5" 12mmT4	<b>H561-2</b> MF,MS,PATCH.LARGE FNUC,SBM,R=F	<b>Galaxy SA(s)bc</b>	<b>PB,L,R,GMBM</b>
<b>NGC 4941</b> Mar 22 2004 12.5" 12mmT4	<b>H40-1</b> MF,MS,OVAL,R,SMALL BNUC,HISB MIDDLE,GMBM,R=G	<b>Galaxy (R)SAB(r)ab:</b>	<b>PF,L,E,GMBM,R</b>
<b>NGC 4958</b> Feb 12 1983 12.5" 16mm	<b>H130-1</b> MF,PS,BNUC,F* OFF TO W,TAPPERED,SBM	<b>Galaxy SB(r)0? sp</b>	<b>VB,PS,E,BMBN</b>
<b>NGC 4981</b> Mar 22 2004 12.5" 12mmT4	<b>H189-2</b> MF,ML,SMALL BNUC,B* ON EDGE,HISB MIDDLE,GMBM,R=G	<b>Galaxy SAB(r)bc</b>	<b>B,PL,R,*10SF1'</b>



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<b>NGC 4984</b> Mar 22 2004 12.5" 12mmT4	<b>H301-2</b> MB,ML,R,LARGE BNUC,SHISB,HISB MIDDLE,GMBM,R=G	<b>Galaxy (R)SAB(rs)0+</b>	<b>B,PL,R,PSMBM</b>
<b>NGC 4995</b> Feb 12 1983 12.5" 16mm	<b>H42-1</b> MB,ML,MOD HISB,UB,NND,PATCHY	<b>Galaxy SAB(rs)b</b>	<b>PB,PL,R,VGPMBM,*8NP</b>
<b>NGC 4999</b> Mar 22 2004 12.5" 12mmT4	<b>H537-2</b> MF,MS,OVAL,PATCH,NND,LOCATED IN BARRON FOV,VF* IN GAL,SOMEWHAT BM,R=F	<b>Galaxy SB(r)b</b>	<b>CF,PL,R,LBM,ER</b>
<b>NGC 5018</b> Mar 22 2004 12.5" 12mmT4	<b>H746-2</b> PB,ML,OVAL,LARGE BNUC,SHISB,HISB MIDDLE,GMBM,PAIR=5022,R=G	<b>Galaxy E3:</b>	<b>CB,S,R,MBMPBN</b>
<b>NGC 5020</b> Mar 22 2004 12.5" 12mmT4	<b>H129-2</b> VF,ML,OVAL,R,VERY FAINT SMALL NUC OR * NUC,R=F	<b>Galaxy SAB(rs)bc</b>	<b>CF,CL,VLE,LBM</b>
<b>NGC 5022</b> Mar 22 2004 12.5" 12mmT4	<b>Galaxy SBb pec sp</b> PF,PS,PATCH,UB,NND,PAIR=5018,R=P		<b>VF,PL,E30,GBM,F5018</b>
<b>NGC 5030</b> Mar 22 2004 12.5" 12mmT4	<b>Galaxy SB(r)0+?</b> VDIF,VF,VS,PATCH,UB,NND,R=P		<b>VF,S</b>
<b>NGC 5035</b> May 09 2010 31" 17mmT4 Mar 22 2004 12.5" 12mmT4	<b>Galaxy SAB(r)0+</b> MF,MS,OVAL,LARGE FNUC,MANY OTHERS,R=F VF,PS,PATCH,UB,NND,PAIR=5044 AND OTHERS,R=P		<b>F,S,R,BMN</b>
<b>NGC 5037</b> May 09 2010 31" 17mmT4 Mar 22 2004 12.5" 12mmT4	<b>H510-2</b> MB,ML,ELONG,EDGE ON,LFNUC,F* OFF TIP,ANOTHER VF* OPPOSITE TIP,MANY OTHERS,R=G MF,MS,ELONG,SMALL FNUC,F* IN TIP,SBM,PAIR=5044 AND OTHERS,R=F	<b>Galaxy SA(s)a:</b>	<b>CF,PS,VLE,BM</b>
<b>NGC 5044</b> May 09 2010 31" 17mmT4 Mar 22 2004 12.5" 12mmT4	<b>H511-2</b> MB,ML,OVAL,VERY LARGE FNUC,SM HALO AROUND NUC,SMBM,NUC UB,SOMEWHAT HISB MIDDLE,MANY OTHERS,R=G MB,ML,OVAL,PATCH,LARGE FNUC,SHISB MIDDLE,PAIR=OTHERS,R=G	<b>Galaxy E0</b>	<b>PB,PL,R,BM</b>
<b>NGC 5046</b> May 09 2010 31" 17mmT4 Mar 22 2004 12.5" 12mmT4	<b>Galaxy E?</b> MF,PS,ELONG,SMALL FNUC,MANY OTHERS,R=F DIF,VF,PS,PATCH,UB,NND,PAIR=5044 AND OTHERS,R=P		<b>F,VS,R,STELL NUCL</b>
<b>NGC 5047</b> May 09 2010 31" 17mmT4 Mar 22 2004 12.5" 12mmT4	<b>H670-3</b> MF,MS,EDGE ON,UB,NND,SLIGHT CENTRAL BULGE,MANY OTHERS,R=F MF,MS,ELONG,PATCH,SBM,PAIR=5044 AND OTHERS,R=F	<b>Galaxy S0 sp</b>	<b>VF</b>
<b>NGC 5049</b> May 09 2010 31" 17mmT4 Mar 22 2004 12.5" 12mmT4	<b>H512-2</b> MF,PS,LARGE BNUC,RECT SHAPE,SUDDENLY BM,MANY OTHERS,R=F MF,MS,SMALL FNUC,SOMEWHAT HISB MIDDLE,PAIR=5044 AND OTHERS,R=F	<b>Galaxy S0 sp</b>	<b>CF,S</b>
<b>NGC 5054</b>	<b>H513-2</b>	<b>Galaxy SA(s)bc</b>	<b>F,PS,IR</b>

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<b>NGC 5054</b>		<b>H513-2</b>	<b>Galaxy SA(s)bc</b>	<b>F,PS,IR</b>
Feb 12 1983	12.5" 24mm	EDIF,EF,VL,PATCH-OVAL,UB,NND		
<b>NGC 5068</b>		<b>H312-2</b>	<b>Galaxy SAB(rs)cd</b>	<b>F,L,IR,BM</b>
Apr 26 2006	31" 17mmT4	DIF,MF,PL,PATCH,NND,H2 REGION FROM NUC,PATCHY ARMS,LARGE AREA OF FAINT HALO,R=F		
<b>NGC 5073</b>		<b>H282-3</b>	<b>Galaxy SB(s)c? sp</b>	<b>VF,PL,PME135</b>
May 30 2014	36" 17mmT4	MB,ML,EDGE ON,UB,NND,PA~130,R=FG		
<b>NGC 5076</b>		<b>H117-3</b>	<b>Galaxy SB(rs)0+</b>	<b>VF,CS,R,1ST OF 3</b>
Apr 26 2006	31" 17mmT4	MF,MS,R,BNUC,MOD HISB MIDDLE,PAIRS=5079/5077/MAC,R=G		
<b>NGC 5077</b>		<b>H193-2</b>	<b>Galaxy E3-4</b>	<b>PB,S,VLE,SBM,2ND OF 3</b>
Apr 26 2006	31" 17mmT4	VB,MS,R,LARGE BNUC,HISB,COMP=MAC,BM,F* OFF NUC,PAIRS=5079/5076/MAC,R=G		
<b>NGC 5079</b>		<b>H118-3</b>	<b>Galaxy SB(rs)bc pec:</b>	<b>CF,PS,VLE,3RD OF 3</b>
Apr 26 2006	31" 17mmT4	DIF,PF,PL,OVAL,PATCH,UB,NND,PAIRS=5077/5076/MAC,R=G		
<b>NGC 5084</b>		<b>H313-2</b>	<b>Galaxy S0 sp</b>	<b>CB,CS,VLE90,BF</b>
Apr 26 2006	31" 17mmT4	MB,ML,EDGE ON,LG BNUC,TAPPERED ENDS,MOD HISB MID,CENTRAL BULGE,PAIR=PGC46489,R=E		
<b>NGC 5087</b>		<b>H724-3</b>	<b>Galaxy SA0:</b>	<b>CF,VS,IF</b>
Apr 26 2006	31" 17mmT4	PB,ML,ELONG,OVAL,LARGE BNUC,HISB MIDDLE,R=G		
<b>NGC 5122</b>			<b>Galaxy Sc</b>	<b>VF,S,R</b>
Apr 26 2003	12.5" 9mmT6	PF,MS,ELONG,FNUC,F* CLOSE BY,R=F		
<b>NGC 5129</b>		<b>H653-2</b>	<b>Galaxy E</b>	<b>PB,VS,R,GMBM,**F</b>
Apr 26 2006	31" 17mmT4	MB,MS,OVAL,LARGE BNUC,MOD HISB MIDDLE,PAIRS=PGC'S,R=G		
<b>NGC 5132</b>			<b>Galaxy (R)SB(r)0+:</b>	<b>VF,RESOLVABLE</b>
Apr 26 2006	31" 17mmT4	MF,MS,OVAL,LARGE FNUC,PAIR=5137,R=G		
<b>NGC 5134</b>		<b>H314-2</b>	<b>Galaxy SA(s)b?</b>	<b>F,PS,LE,VGBM</b>
Apr 26 2006	31" 17mmT4	MB,MS,ELONG,LARGE BNUC,SOMEWHAT HISB MIDDLE,R=G		
<b>NGC 5137</b>			<b>Galaxy</b>	<b>EEF,PL,V DIFFIC</b>
Apr 26 2006	31" 17mmT4	VF,MS,OVAL,PATCH,UB,NND,ONE OF THE WORST NGC'S,PAIR=5132,R=F		
<b>NGC 5170</b>		<b>H22-5</b>	<b>Galaxy SA(s)c: sp</b>	<b>CF,L,ME129,PGBM</b>
May 31 2014	36" 17mmT4	PB,PL,EDGE ON,LBNUC,PA~120,CENTRAL BULGE,TAPPERED ENDS,HISB MIDDLE,R=G		
<b>NGC 5171</b>			<b>Galaxy S0-:</b>	<b>PB,L</b>
Mar 16 2010	31" 17mmT4	MB,MS,OVAL,LARGE BNUC,VF* JUST OFF EDGE,PAIRS=NGC'S,NICE GROUP,R=F		
<b>NGC 5176</b>			<b>Galaxy E</b>	<b>NO DESCRIPTION</b>
Mar 16 2010	31" 17mmT4	MF,MS,ELONG,VERY SMALL FNUC,PAIRS=NGC'S,NICE GROUP,R=F		

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<b>NGC 5177</b>		<b>Galaxy Sb</b>	<b>NO DESCRIPTION</b>
Mar 16 2010 31"	17mmT4	PF,PS,ELONG,NND,PAIRS=NGC'S,NICE GROUP,R=F	
<b>NGC 5178</b>		<b>Galaxy S(r)0/a</b>	<b>VF</b>
Mar 16 2010 31"	17mmT4	PF,MS,PATCH,LARGE FNUC,VF* OFF NUC,VERY NICE GROUPING,R=F	
<b>NGC 5179</b>		<b>Galaxy Sb</b>	<b>VF,*IN CENTRE</b>
Mar 16 2010 31"	17mmT4	MF,MS,OVAL,LARGE BNUC,PAIRS=NGC'S,NICE GROUP,R=F	
<b>NGC 5221</b>		<b>H86-3 Galaxy Sb:</b>	<b>VF,S,VLE,1ST OF 3</b>
May 18 2007 31"	17mmT4	MB,ML,EL,EDGE ON,SFNUC,THICK NUC REGION,R=G	
<b>NGC 5222</b>		<b>H85-3 Galaxy E</b>	<b>CF,S,R,BM,2ND OF 3</b>
May 18 2007 31"	17mmT4	MB,MS,OVAL,LBNUC,CLOSE COMP=MAC,SOMEWHAT HISB,F* OFF ONE SIDE,R=G	
<b>NGC 5226</b>		<b>Galaxy</b>	<b>EF,PS,5221SP</b>
May 18 2007 31"	17mmT4	EF,VS,PATCH,UB,NND,AV FIRST THEN HOLDS,R=P	
<b>NGC 5257</b>		<b>H895-2 Galaxy SAB(s)b pec</b>	<b>VF,S,R,BM,P OF DNEB</b>
May 18 2007 31"	17mmT4	VF,VL,OVAL,R,PATCH,UB,NND,HISB,BROKEN OR PATCHY OUTER EDGE,PAIR=5258,R=E	
<b>NGC 5258</b>		<b>H896-2 Galaxy SA(s)b: pec</b>	<b>F,S,IR,F OF DNEB</b>
May 18 2007 31"	17mmT4	VF,VL,EL,EON,UB,NND,HISB,VF* IN TIP,FWHISP OF ARMS OUTER EDGE,HOOK SHAPE,R=E	
<b>NGC 5306</b>		<b>H306-2 Galaxy S0 pec?</b>	<b>VF,VS,R,R</b>
May 18 2007 31"	17mmT4	VB,ML,VLBNUC,2 VERY CLOSE COMP=PGC'S OPPOSITE SIDES,MOD HISB MIDDLE,R=G	
<b>NGC 5363</b>		<b>H6-1 Galaxy I0?</b>	<b>B,PL,R,PSBM,*8NF</b>
Feb 12 1983 12.5"	16mm	VB,ML,BNUC,R,BM,PAIR/5364	
<b>NGC 5364</b>		<b>H534-2 Galaxy SA(rs)bc pec</b>	<b>CF,L,R,GBM</b>
Feb 12 1983 12.5"	16mm	DIF,VF,VL,R-OVAL,UB,B* CLOSE BY,PAIR/5363	
<b>NGC 5426</b>		<b>H309-2 Galaxy SA(s)c pec</b>	<b>PF,CL,R,GMBM,SP OF 2</b>
Apr 26 2006 31"	17mmT4	MF,MS,ELONG,LARGE FNUC,PATCHY,IRR IN SHAPE,FAINT HALO,PAIR=5427,R=G	
<b>NGC 5427</b>		<b>H310-2 Galaxy SA(s)c pec</b>	<b>PF,CL,R,NF OF 2</b>
Apr 26 2006 31"	17mmT4	PB,VL,R,LFNUC,FAINT HALO,SPRIAL ARMS DET,PATCHY AREAS,MOD HISB MID,PAIR=5426,R=E	
<b>NGC 5493</b>		<b>H46-4 Galaxy S0 pec sp</b>	<b>PB,VS,R,PSMBM*,*18IN</b>
Apr 26 2003 12.5"	9mmT6	VB,MS,ELONG,BNUC,VERY HISB MIDDLE,VMBM,R=E	
<b>NGC 5496</b>		<b>Galaxy Sd: sp</b>	<b>PB,VL,E NS</b>
May 30 2014 36"	17mmT4	MB,PL,EDGE ON,NND,SHISB,PA~180,F* IP,2VF**S OTHER TIP,SM GRANULAR,R=G	
<b>NGC 5506</b>		<b>H687-2 Galaxy Sa pec sp</b>	<b>PB,L,E20,LBM</b>
Apr 26 2003 12.5"	9mmT6	MB,PL,ELONG TO EDGE ON,UB,NND,PAIR=5507,R=G	

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<b>NGC 5507</b> Apr 26 2003 12.5" 9mmT6	<b>H49-4</b> PB,ML,ELONG,FNUC,SOMEWHAT HISB,ROUND SOFT NUC,GBM,PAIR=5506,R=G	<b>Galaxy SAB(r)0<sup>^</sup></b>	<b>CF,S,R,STELLAR</b>
<b>NGC 5560</b> Apr 26 2003 12.5" 9mmT6	<b>H579-2</b> DIF,PF,VL,ELONG,UB,PATCH,NND,PAIR/5566/5569,R=F	<b>Galaxy SB(s)b pec</b>	<b>PF,CL,E,GBM</b>
<b>NGC 5566</b> Apr 26 2003 12.5" 9mmT6 Jun 11 1983 12.5" 20mm	<b>H144-1</b> VB,PL,R,BNUC,VERY HISB,ARMS DET,LARGE NUC,VMBM,PAIR/5560/5569,R=E MB,PL,ELONG,BNUC,B*SW 1 GAL DIS.LARGE BRT NUC,HISB TOWARDS MID,PAIR/5576	<b>Galaxy SB(r)ab</b>	<b>B,PL,R,PSBM,R,*F1.5'</b>
<b>NGC 5569</b> Apr 26 2003 12.5" 9mmT6	<b>H556-1</b> EDIF,EF,ML,PATCH,AV,COMES AND GOES,DIFFICULT TO LOC,PAIR/5566/5560,R=P	<b>Galaxy SAB(rs)cd:</b>	<b>EF,PL,R</b>
<b>NGC 5576</b> Jun 11 1983 12.5" 20mm	<b>H146-1</b> PB,ML,BNUC,CLOSE COMP TO W 1 GAL DIA,F*N 1 GAL DIA,R-OVAL,SMBM,PAIR/5566	<b>Galaxy E3</b>	<b>B,S,R,VSMBM,F OF 2</b>
<b>NGC 5634</b> Apr 11 2015 36" 17mmT4 Jun 11 1983 12.5" 20mm	<b>H70-1</b> PB,MS,SPEC FOV,BRT FOREGROUND * CLOSE BY,SEVERAL B*S AROUND NUC,MOD HISB MID,RESOLVED CORE,LITTLE OR NO HALO,~TYPE II,R=E VB,PL,BNUC,TRI OF B*S AROUND OBJECT,HISB,BM	<b>Globular</b>	<b>GCL,VB,CL,R,GBM,RRR</b>
<b>NGC 5636</b> Apr 26 2003 12.5" 9mmT6	<b>H580-2</b> EDIF,EF,ML,PATCH,UB,NND,PAIR=5638,R=P	<b>Galaxy SAB(r)0+</b>	<b>EF,CL,R,NP OF 2</b>
<b>NGC 5638</b> Apr 26 2003 12.5" 9mmT6	<b>H581-2</b> VB,ML,R,BNUC,MOD HISB,SOFT NUC,GBM,PAIR=5636,R=G	<b>Galaxy E1</b>	<b>CB,PL,R,SF OF 2</b>
<b>NGC 5668</b> Apr 26 2006 31" 17mmT4	<b>H574-2</b> PB,PL,R,UB,NND,SHISB,R=G	<b>Galaxy SA(s)d</b>	<b>F,PS,VLE,*14INV</b>
<b>NGC 5679</b> May 18 2007 31" 17mmT4	<b>H894-2</b> MF,PATCH,UB,SOMEWHAT BM,PATCHY,INTERACTING=5679A,R=F	<b>Galaxy Sb</b>	<b>VF,S,R,*12ATT</b>
<b>NGC 5679A</b> May 18 2007 31" 17mmT4	<b>H894-2</b> VF,VS,PATCH,UB,NND,2VF*S EXT CLOSE TOGETHER BETWEEN THE 2,INTER=5679,R=P	<b>Galaxy Sc</b>	
<b>NGC 5718</b> May 18 2007 31" 17mmT4	<b>H550-3</b> MB,ML,OVAL,LARGE FNUC,PAIR=IC1042,R=G	<b>Galaxy S0-:</b>	<b>VF,S,R,VGLBM,*8,9NF</b>
<b>NGC 5746</b> Jun 11 1983 12.5" 20mm	<b>H126-1</b> MB,PL,EDGE ON,DUST LANE SUSP,BRT NUC BULGE,TAPPERED ENDS,MINATURE 4565	<b>Galaxy SAB(rs)b? sp</b>	<b>B,L,VME170,BMBN</b>
<b>NGC 5750</b> Apr 26 2006 31" 17mmT4	<b>H183-1</b> MB,PL,OVAL,R,SMALL BNUC,SPRIAL ARMS DET,PATCHY AREAS,BM,SHISB MIDDLE,R=E	<b>Galaxy SB(r)0/a</b>	<b>PF,PS,VLE,R</b>
<b>NGC 5774</b> Apr 26 2006 31" 17mmT4	<b>H577-1</b> MF,ML,OVAL,PATCH,UB,NND,PAIRS=5775/IC1070,R=G	<b>Galaxy SAB(rs)d</b>	<b>PF,PL,R,NP OF 2</b>

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<b>NGC 5775</b>		<b>H554-3</b>	<b>Galaxy SBc? sp</b>	<b>F,PS,VME148,GVLBM</b>
Apr 26 2006	31"	17mmT4	VB,EL,EDGE ON,NND,1/2 BRT THAN OTHER,DUST LANE SUSP,PATCHY,BROKEN AREAS,PAIR,R=E	
<b>NGC 5806</b>		<b>H539-2</b>	<b>Galaxy SAB(s)b</b>	<b>CB,CL,E165,SBMN</b>
Mar 19 2004	12.5"	12mmT4	DIF,VF,MS,ELONG,UB,NND,R=F	
<b>NGC 5813</b>		<b>H127-1</b>	<b>Galaxy E1-2</b>	<b>B,PS,R,PSMBM</b>
Mar 19 2004	12.5"	12mmT4	PF,MS,OVAL,SMALL FNUC,SBM,PAIR=5814,R=F	
<b>NGC 5814</b>			<b>Galaxy (R')Sab</b>	<b>VF,VS,R</b>
Mar 19 2004	12.5"	12mmT4	DIF,VF,PS,OVAL,PATCH,NND,PAIR=5813,R=P	
<b>NGC 5831</b>		<b>H540-2</b>	<b>Galaxy E3</b>	<b>PB,S,MBM</b>
Mar 19 2004	12.5"	12mmT4	MF,MS,OVAL,LARGE BNUC,SMBM,SHISB MIDDLE,R=F	
<b>NGC 5838</b>		<b>H542-2</b>	<b>Galaxy SA0-</b>	<b>PB,PS</b>
Mar 19 2004	12.5"	12mmT4	MF,MS,OVAL,LARGE BNUC,HISB MIDDLE,R=G	
<b>NGC 5839</b>		<b>H541-2</b>	<b>Galaxy SAB(rs)0<sup>+</sup>:</b>	<b>PF,PS</b>
Mar 16 2010	31"	17mmT4	PF,ML,R,LARGE BNUC,HISB MIDDLE,SUDDENLY MBM,R=G	
<b>NGC 5845</b>		<b>H511-3</b>	<b>Galaxy E:</b>	<b>VF,R</b>
Mar 16 2010	31"	17mmT4	MB,MS,R,LARGE BNUC,SUDDENLY MBM,FAINT THIN OUTER HALO AROUND NUC,R=G	
<b>NGC 5846</b>		<b>H128-1</b>	<b>Galaxy E0-1</b>	<b>VB,PL,R,PSBMN,F*INVS</b>
Mar 16 2010	31"	17mmT4	VB,VL,LARGE BNUC,GRAD BM,GRANULAR HALO,F* OFF SIDE,VERY CLOSE COMP=5846A,R=G	
Mar 19 2004	12.5"	12mmT4	MB,ML,OVAL,LARGE BNUC,SHISB,CLOSE COMP=5846A,R=G	
Mar 19 2004	12.5"	12mmT4	MB,ML,ELONG,NND,SHISB,R=G	
Jun 11 1983	12.5"	20mm	MB,PL,FNUC,F*W 1 GAL DIA,COMP TO E,R,SBM,SEVERAL FIELD *S	
<b>NGC 5846A</b>			<b>Galaxy cE2-3</b>	
Mar 16 2010	31"	17mmT4	MF,VS,BNUC,R,VERY CLOSE COMP=5846,R=F	
Mar 19 2004	12.5"	12mmT4	PF,VS,PATCH,NND,CLOSE COMP=5846,R=F	
<b>NGC 5850</b>		<b>H543-2</b>	<b>Galaxy SB(r)b</b>	<b>CF,S,LE,PSBM</b>
Mar 16 2010	31"	17mmT4	MB,PL,OVAL,LARGE BNUC,LARGE SOFT NUC,GRAD BM,MOD HISB MIDDLE,FAINT BAR ACROSS NUC,FAINT HALO ARMS,R=G	
Mar 19 2004	12.5"	12mmT4	MF,MS,OVAL,NND,PAIRS=5846,R=F	
<b>NGC 5854</b>		<b>H544-2</b>	<b>Galaxy SB(s)0<sup>+</sup> sp</b>	<b>PB,S,VLE,LBM,AM ST</b>
Mar 19 2004	12.5"	12mmT4	MF,MS,ELONG,LARGE FNUC,SBM,R=F	
<b>NGC 5864</b>		<b>H585-2</b>	<b>Galaxy SB(s)0<sup>+</sup>? sp</b>	<b>PF,CS,ILE,GBM,*14F</b>
Apr 26 2006	31"	17mmT4	PB,ML,ELONG,LARGE BNUC,MHISB,* OFF EDGE,CENTRAL BULGE,HISB MIDDLE,BM,GMBM,R=G	
<b>PGC 36325</b>			<b>Galaxy Pec</b>	
May 18 2007	31"	17mmT4	VF,PS,OVAL,*NUC,B* OR BRT NUC,R=P	

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<b>PGC 36723</b>		<b>Galaxy SAB(rs)b? pec</b>
May 18 2007 31"	17mmT4	MF,ML,UB,NND,PAIRS=PGC36733/PGC36742,R=F
<b>PGC 36733</b>		<b>Galaxy SB(s)b: pec</b>
May 18 2007 31"	17mmT4	MB,ML,OVAL,PATCH,UB,NND,MOD HISB,PAIRS=PGC36723/PGC36742,R=G
<b>PGC 36742</b>		<b>Galaxy SB(s)c pec</b>
May 18 2007 31"	17mmT4	PF,PS,PAIRS=PGC36733/PGC36723,R=P
<b>PGC 39247</b>		<b>Galaxy L</b>
Mar 08 2010 31"	17mmT4	MF,MS,OVAL,UB,NND,PAIRS=4216/MAC,R=F
<b>PGC 39649</b>		<b>Galaxy E</b>
Mar 08 2010 31"	17mmT4	EF,VS,PATCH,TOOK A WHILE TO FIND WITH AV THEN HOLDS,PAIRS=NGC'S/PGC'S,R=P
<b>PGC 39655</b>		<b>Galaxy</b>
Mar 08 2010 31"	17mmT4	PF,PS,ELONG,LARGE VERY FNUC,PARIS=NGC'S/PGC'S,R=F
<b>PGC 39660</b>		<b>Galaxy E</b>
Mar 08 2010 31"	17mmT4	MB,PS,R,LARGE FNUC,PARIS=NGC'S/PGC'S,R=F
<b>PGC 40621</b>		<b>Galaxy Scd:</b>
May 30 2014 36"	17mmT4	MF,MS,EDGE ON,NND,PA~120,* IN EDGE,SOMEWHAT HISB,R=F
<b>PGC 40659</b>		<b>Galaxy E</b>
Mar 08 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,INSIDE HALO OF 4406,VERY CLOSE COMP,R=P
<b>PGC 41185</b>		<b>Galaxy E?</b>
Mar 16 2010 31"	17mmT4	MF,VS,PATCH,UB,NND,ALL 3 JUST OUTSIDE HALO OF NGC4472,PAIRS=4467/4465,R=F
<b>PGC 41264</b>		<b>Galaxy C</b>
Mar 16 2010 31"	17mmT4	VF,VS,ELONG,PATCH,NND,JUST OUTSIDE OF NGC4472,R=P
<b>PGC 42230</b>		<b>Galaxy Scd:</b>
May 30 2014 36"	17mmT4	VF,MS,EDGE ON,NND,PA~50,R=P
<b>PGC 42846</b>		<b>Galaxy E</b>
May 09 2010 31"	17mmT4	VF,PS,ELONG,UB,NND,TOOK AV A WHILE THEN HOLDS,PAIRS=4649/4647,R=P
<b>PGC 43679</b>		<b>Galaxy Scd: sp</b>
May 31 2014 36"	17mmT4	VF,ML,EDGE ON,UB,NND,PA~80,PAIRS=PGC/MAC,R=PF
<b>PGC 43690</b>		<b>Galaxy SAB(s)ab pec?</b>
May 31 2014 36"	17mmT4	MF,VS,R,SFNUC,PAIRS=PGC/MAC,R=F
<b>PGC 43728</b>		<b>Galaxy Sab</b>
May 18 2007 31"	17mmT4	MF,MS,OVAL,R,*NUC,VSMALL BRT NUC OR BRT * IN NUC,PAIR=MAC,R=G

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<b>PGC 43762</b>		<b>Galaxy</b>
May 18 2007 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIR=MAC,R=F
<b>PGC 43944</b>		<b>Galaxy S</b>
May 18 2007 31"	17mmT4	MF,ML,EDGE ON,UB,NND,TAPPERED ENDS,CIGAR SHAPE,CENTRAL BULGE,R=F
<b>PGC 44254</b>		<b>Galaxy Sb pec sp</b>
May 30 2014 36"	17mmT4	MF,MS,EDGE ON,NND,PA~120,CENTRAL BULGE,SHISB,R=F
<b>PGC 44358</b>		<b>Galaxy Sd: sp</b>
May 30 2014 36"	17mmT4	MF,ML,,EDGE ON,UB,NND,PA~120,SLIVER,R=F
<b>PGC 44931</b>		<b>Galaxy Sc: sp</b>
May 30 2014 36"	17mmT4	MF,MS,EDGE ON,NND,PA~30,SLIGHT CENTRAL BULGE,SOMEWHAT B IN MIDDLE,R=F
<b>PGC 45006</b>		<b>Galaxy Sc: sp</b>
May 31 2014 36"	17mmT4	VF,MS,EDGE ON,NND,PA~45,TAPPERED,R=PF
<b>PGC 45084</b>		<b>Galaxy IB(s)m sp</b>
May 31 2014 36"	17mmT4	EF,VS,EDGE ON,PATCH,PA~?,LOC GOOD,SUSP,R=P
<b>PGC 45911</b>		<b>Galaxy SB(s)cd? sp</b>
May 31 2014 36"	17mmT4	VF,PS,EDGE ON,NND,PA~0,F* OFF NUC,R=P
<b>PGC 46108</b>		<b>Galaxy S0/a</b>
May 09 2010 31"	17mmT4	PF,PS,PATCH,UB,NND,MANY OTHERS,R=P
Mar 22 2004 12.5"	12mmT4	VDIF,VF,ES,PATCH,NND,PAIR=5044 AND OTHERS,R=P
<b>PGC 46261</b>		<b>Galaxy Sc: sp</b>
May 31 2014 36"	17mmT4	VF,MS,EDGE ON,NND,PA~180,CIGAR SHAPE,TAPPERED ENDS,PAIR=PGC,R=P
<b>PGC 46277</b>		<b>Galaxy E+</b>
May 31 2014 36"	17mmT4	VF,VS,R,PAIR=PGC,R=P
<b>PGC 46489</b>		<b>Galaxy SA(rs)0^</b>
Apr 26 2006 31"	17mmT4	MF,PS,OVAL,SMALL FNUC,F* OFF EDGE,PAIR=5084,R=F
<b>PGC 46850</b>		<b>Galaxy S</b>
Apr 26 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=5129/PGC,R=P
<b>PGC 46859</b>		<b>Galaxy</b>
Apr 26 2006 31"	17mmT4	PF,PS,PATCH,UB,NND,F* OFF EDGE,PAIRS=5129/PGC,R=F
<b>PGC 46971</b>		<b>Galaxy S</b>
May 18 2007 31"	17mmT4	COULD NOT SPLIT THE TWO,VERY CLOSE COMP=PGC46972,SUSP,R=P
<b>PGC 46972</b>		<b>Galaxy S</b>

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<b>PGC 46972</b>		<b>Galaxy S</b>
May 18 2007 31"	17mmT4	EF,PS,PATCH,AV,VERY CLOSE COMP=PGC46971,R=P
<b>PGC 46975</b>		<b>Galaxy S?</b>
May 18 2007 31"	17mmT4	MF,MS,,PATCH,NND,2VF*S AROUND GAL,PATCHY,PAIRS=PGC'S,R=F
<b>PGC 47072</b>		<b>Galaxy Sd? sp</b>
Apr 26 2003 12.5"	9mmT6	VDIF,EF,VS,PATCH,UB,AV,R=P
<b>PGC 47341</b>		<b>Galaxy</b>
Mar 16 2010 31"	17mmT4	VF,PS,PATCH,NND,VERY NICE GROUPING,R=F
<b>PGC 47365</b>		<b>Galaxy</b>
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,AV HOLDS THEN DIRECT,VERY NICE GROUPING,R=P
<b>PGC 47784</b>		<b>Galaxy Sb</b>
May 30 2014 36"	17mmT4	MF,PS,EDGE ON, NND,PA~120,TAPPERED ENDS,CENRAL BULGE,F* OFF END TO ONE SIDE,PAIR=IC896,R=FG
<b>PGC 48105</b>		<b>Galaxy Sa</b>
May 18 2007 31"	17mmT4	MF,MS,OVAL,SFNUC,SOMEWHAT MOD HISB MIDDLE,PAIRS=MANY OTHERS,R=F
<b>PGC 48117</b>		<b>Galaxy S</b>
May 18 2007 31"	17mmT4	PF,MS,ELONG,OVAL,UB,NND,PAIRS=MANY OTHERS,R=F
<b>PGC 48118</b>		<b>Galaxy SB</b>
May 18 2007 31"	17mmT4	PF,MS,ELONG,OVAL,UB,NND,PAIRS=MANY OTHERS,R=F
<b>PGC 49017</b>		<b>Galaxy Sb sp</b>
May 18 2007 31"	17mmT4	VF,ML,EDGE ON,UB,NND,CIGAR SHAPE,PAIRS=5306/PGC'S,R=P
<b>PGC 49036</b>		<b>Galaxy S0 pec?</b>
May 18 2007 31"	17mmT4	VF,VS,PATCH,UB,NND,CLOSE COMP=5306,R=P
<b>PGC 49040</b>		<b>Galaxy S?</b>
May 18 2007 31"	17mmT4	MF,PS,PATCH,UB,NND,CLOSE COMP=5306,R=F
<b>PGC 52129</b>		<b>Galaxy</b>
May 18 2007 31"	17mmT4	EF,ES,PATCH,AV,SUSP,CLOSE COMP=5679,R=P
<b>PGC 52423</b>		<b>Galaxy C</b>
May 18 2007 31"	17mmT4	PF,PS,PATCH,UB,NND,R=P
<b>PGC 52451</b>		<b>Galaxy</b>
May 18 2007 31"	17mmT4	VF,VS,PATCH,UB,NND,R=P
<b>PGC 52452</b>		<b>Galaxy</b>



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**PGC 52452**

**Galaxy**

May 18 2007 31" 17mmT4 PF,PS,OVAL,\*NUC,R=F