

Virgo - The Virgin

ABELL 36		Planetary Neb
Mar 20 2009 31"	17mmT4	EF,PL,CNTR* 10TH MAG,F NEB DET SUR CNTR*,NO NEB OUTER SHELL,OIII DOESNOT HELP,R=P
Mar 17 2009 31"	17mmT4	B BLUEISH FUZZY BALL,NO OUTER SHELL OF NEB DET,OIII DOESNOT HELP,R=F
IC 771		Galaxy SB?
Mar 08 2010 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,PAIR=4206,R=F
IC 896		Galaxy E
May 30 2014 36"	17mmT4	MB,MS,OVAL,BSNUC,PAIR=PGC47784,R=F
IC 968		Galaxy S0
May 05 2021 36"	17mmT4	VF,PS,TOUCH=MAC,VF* BET THE TWO,PAIRS=MAC/IC/NGC,R=PF
IC 1039		Galaxy L
May 18 2007 31"	17mmT4	MF,MS,PATCH,UB,NND,PAIRS=IC1041/MAC,R=F
IC 1041		Galaxy Sb
May 18 2007 31"	17mmT4	MF,MS,OVAL,FLNUC,PAIRS=IC1039/MAC,R=F
IC 1042		Galaxy S0?
May 18 2007 31"	17mmT4	MF,ML,OVAL,PATCH,UB,NND,PAIR=5718,R=F
IC 1070		Galaxy
Apr 26 2006 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIRS=5775/5774,R=F
IC 2963		H113-3 Galaxy S0+: sp
Mar 05 2021 36"	17mmT4	MF,MS,EL,UB,NND,SHISB,F* IN EDGE OF GLXY,CNTR BULGE,R=FG
IC 3074		Galaxy SB(s)dm: sp
Apr 19 2014 36"	17mmT4	VF,PS,EDGE ON,UB,PA~150,R=P
IC 3099		Galaxy Scd?
Apr 19 2014 36"	17mmT4	VF,PS,EDGE ON,UB,VF* OFF CNTR OF GLXY,PA~180,R=P
IC 3153		Galaxy Sc(r)I-II
Apr 26 2003 12.5"	9mmT6	DIF,VF,PS,PATCH,UB,NND,CL,8 OF 9,R=P
IC 3155		Galaxy S0 sp
Mar 08 2010 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIR=4269,R=F
IC 3258		Galaxy IB(s)m pec:
Apr 10 2023 36"	17mmT4	DIF,VF,ML,PATCH,NND,HINT OF HISB,PATCHY,R=F
IC 3311		Galaxy Sdm:
May 30 2014 36"	17mmT4	MF,MS,EDGE ON,NND,PA~130,THIN SLIVER,R=F
IC 3322A		Galaxy SB(s)cd: sp

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IC	3322A		Galaxy SB(s)cd: sp
	May 30 2014 36"	17mmT4	MB,ML,EDGE ON,NND,PA~160,SLT CNTR BULGE,TAPERED ENDS,R=FG
IC	3474		Galaxy Sd sp
	May 30 2014 36"	17mmT4	PF,MS,EDGE ON,NND,PA~40,R=PF
IC	3481		Galaxy SAB0-: pec
	May 18 2007 31"	17mmT4	MF,MS,OVAL-R,BLNUC,MBM,PAIR=IC3481A,R=F
IC	3481A		Galaxy E pec:
	May 18 2007 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=IC3481,R=P
IC	3483		Galaxy SAB(s)b pec:
	May 18 2007 31"	17mmT4	PF,MS,PATCH,UB,NND,CLOSE TO B*,R=F
IC	3583		Galaxy IBm
	May 18 2007 31"	17mmT4	DIF,MF,VL,PATCH,UB,3*S IN GLXY,APPEARS AS A NEB,PATCHY AREAS,R=F
IC	3608		Galaxy Sb:
	May 31 2014 36"	17mmT4	PF,MS,EDGE ON,UB,NND,PA~100,* CLSE BY,R=PF
IC	4134		Galaxy S
	May 05 2021 36"	17mmT4	EF,VS,PATCH,AV HOLDS,R=P
	May 18 2007 31"	17mmT4	VF,VS,NND,R=P
MAC	1142+1017A		Galaxy
	May 18 2007 31"	17mmT4	VF,VS,PATCH,NND,PAIR/3825,R=P
MAC	1142+1021		Galaxy
	May 18 2007 31"	17mmT4	EF,VS,PATCH,AV,CLOSE PAIR/3820,R=P
MAC	1215+1311		Galaxy
	Mar 08 2010 31"	17mmT4	VF,VS,PATCH,TOOK AV A WHILE TO FIND,PAIRS=4216/PGC,R=P
MAC	1221+0437		Galaxy
	Mar 08 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=4292,R=P
MAC	1252-0944		Galaxy
	May 31 2014 36"	17mmT4	VF,ES,OVAL,VFSNUC,PAIRS=PGC'S,R=P
MAC	1252+1001		Galaxy
	May 18 2007 31"	17mmT4	VF,VS,UB,NND,PAIR=PGC43728,R=P
MAC	1253+0956		Galaxy
	May 18 2007 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=PGC43762,R=P
MAC	1315-1623		Galaxy

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MAC 1315-1623		Galaxy
May 09 2010 31"	17mmT4	EF,VS,PATCH,TOOK AV A WHILE,COMES AND GOES,MANY OTHERS,R=P
MAC 1315-1628B		Galaxy
May 09 2010 31"	17mmT4	VF,VS,OVAL,PATCH,NND,AV FIRST THEN HOLDS,MANY OTHERS,R=P
MAC 1315-1629		Galaxy
May 09 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,MANY OTHERS,R=P
MAC 1319-1239		Galaxy
Apr 26 2006 31"	17mmT4	PF,VS,OVAL,PATCH,UB,COMP=5077,F* OFF EDGE,PAIRS=5079/5076,R=F
MAC 1329+1138		Galaxy
Mar 16 2010 31"	17mmT4	PF,PS,PATCH,NND,V NICE GRP,R=F
MAC 1329+1141		Galaxy
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,AV HOLDS THEN DIRECT,V NICE GRP,R=P
MAC 1329+1143		Galaxy
Mar 16 2010 31"	17mmT4	EF,ES,PATCH,AV FIRST,V NICE GRP,R=P
MAC 1329+1146		Galaxy
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,TOOK AV A WHILE THEN HOLDS,PAIRS=NGC'S,NICE GRP,R=P
MAC 1329+1148A		Galaxy
Mar 16 2010 31"	17mmT4	EF,ES,PATCH,AV COMES AND GOES,ONE OR THE OTHER,NEVER BOTH,V NICE GRP,R=P
MAC 1329+1148B		Galaxy
Mar 16 2010 31"	17mmT4	EF,ES,PATCH,AV COMES AND GOES,ONE OR THE OTHER,NEVER BOTH,V NICE GRP,R=P
MAC 1329+1149		Galaxy
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,AV TAKES A WHILE,THEN HOLDS,V NICE GRP,R=P
MAC 1334+1344		Galaxy
May 18 2007 31"	17mmT4	VF,VS,PATCH,NND,CLOSE COMP=5222,R=P
MAC 1337+0624		Galaxy
May 18 2007 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIRS=MANY OTHERS,R=P
MAC 1337+0628		Galaxy
May 18 2007 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=MANY OTHERS,R=P
MAC 1337+0632		Galaxy
May 18 2007 31"	17mmT4	EDIF,EF,ES,PATCH,UB,PAIRS=MANY OTHERS,R=P
MAC 1400-0249		Galaxy
May 05 2021 36"	17mmT4	VF,VS,PATCH,UB,PAIRS=MAC/IC/NGC,R=F

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MAC 1400-0254		Galaxy	
May 05 2021 36"	17mmT4	VF,PS,TOUCH=IC968,VF* BET THE TWO,PAIRS=MAC/IC/NGC,R=PF	
MAC 1440+0322		Galaxy	
May 18 2007 31"	17mmT4	PF,VS,EL,VFSNUC,PAIRS=IC1041/MAC,R=F	
MAC 1440+0327		Galaxy	
May 18 2007 31"	17mmT4	PF,PS,OVAL,UB,NND,R=F	
MAC 1440+0339		Galaxy	
May 18 2007 31"	17mmT4	PF,PS,PATCH,UB,NND,VF* IN EDGE,R=P	
NGC 3818		H284-3 Galaxy E5	F,PS,R,PSBM
Mar 25 2020 36"	17mmT4	VB,ML,R,BLNUC,HISB,GRAINY HALO MHISB,BMBM,R=G	
NGC 3822		H153-2 Galaxy S0?	PF,PS,3RD OF 4
May 18 2007 31"	17mmT4	VB,VL,EL,BLNUC,HISB,R=E	
NGC 3825		H154-2 Galaxy SBa	PF,PS,4TH OF 4
May 18 2007 31"	17mmT4	VB,VL,EL,BLNUC,VMBM,HISB,R=E	
NGC 3833		H102-3 Galaxy Sc	EF,PS
May 18 2007 31"	17mmT4	MF,PL,PATCH,UB,NND,VF* OFF ONE EDGE,R=F	
NGC 3848		H35-3 Galaxy Sc	EF,VS
May 18 2007 31"	17mmT4	MF,MS,PATCH,UB,NND,R=F	
NGC 3863		H104-3 Galaxy Sbc	VF,ME70,GLBM,2'LONG
Mar 05 2021 36"	17mmT4	MB,ML,EDGE ON,NND,SHISB,SMWHT EL,TAPERED ENDS,R=FG	
NGC 3876		H103-3 Galaxy Sab:	VF,RESOLVABLE
Mar 25 2020 36"	17mmT4	MB,ML,OVAL,LNUC,MHISB,PAIR=PGC36659,R=G	
NGC 3914		H90-3 Galaxy (R')SB(rs)b	F,VS,R,LBM,*13NP80"
Mar 25 2020 36"	17mmT4	MF,MS,OVAL,FLNUC,SHISB,VF* JUST OF NUC,R=FG	
NGC 3915		H113-3 Galaxy Sm	EF,ES,BET2*
Mar 25 2020 36"	17mmT4	MF,PS,OVAL,UB,NND,SHISB,R=F	
NGC 3952		H612-3 Galaxy IBm: sp	CF,CS,LE90,BM,R
Mar 25 2020 36"	17mmT4	MB,EL-EDGE ON,NND,MHISB,R=G	
NGC 3976		H132-2 Galaxy SAB(s)b	B,PL,CE30,VSMBMN
Mar 25 2020 36"	17mmT4	VB,ML,EL-EDGE ON,VBNUC,HISB,GRAN ARMS,NUC VR,VMBM,R=G	
NGC 4030		H121-1 Galaxy SA(s)bc	CB,L,VLE,PSMBM,BSTNR
Apr 25 1981 12.5"	24mm	VB,VL,BNUC,B HALO	

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NGC 4044 Mar 25 2020 36" 17mmT4	H491-3 MB,MS,OVAL,BLNUC,SHISB,R=FG	Galaxy E+:	CF,CS,R,BM
NGC 4045 Apr 26 2003 12.5" 9mmT6	H276-2 MB,ML,OVAL,BNUC,MHISB,BLNUC,R=G	Galaxy SBa	PF,L,R,SBM,*SF
NGC 4063 Mar 25 2020 36" 17mmT4	H276-2 MB,MS,EL-OVAL,FLNUC,SHISB,PAIRS=7 OTHERS,R=F	Galaxy SAB0^:	EF,VS,B PTS INV
NGC 4067 Mar 25 2020 36" 17mmT4	H37-3 MB,ML,OVAL,BNUC,MHISB,GRAN,R=G	Galaxy SA(s)b:	F,PS,R,GBM
NGC 4073 Mar 25 2020 36" 17mmT4 Apr 26 2003 12.5" 9mmT6	H277-2 VB,PL,OVAL,BLNUC,HISB,RAINY HALO MHISB,PAIRS=7 OTHERS,R=G PB,ML,OVAL,BNUC,MHISB,BSNUC,MANY COMP,FOV RICH IN GLXY,R=G	Galaxy E+	F,PS,R,PGBM,NP OF 2
NGC 4077 Mar 25 2020 36" 17mmT4	H258-3 MB,ML,OVAL,BLNUC,SHISB,SLT BTR THAN 4139,F* IN TIP,PAIRS=7 OTHERS,R=FG	Galaxy SB(r)0^	CF,CS,VLE,BM,SF OF 2
NGC 4123 Apr 25 1981 12.5" 24mm	H4-5 DIF,VF,PL,FNUC,F HALO	Galaxy SB(r)c	CF,VL,E90,BMN
NGC 4124 Apr 25 1981 12.5" 24mm	H33-1 DIF,PF,PL,EL-EDGE ON,FNUC,F HALO	Galaxy SA(r)0+	PB,PL,ME118,BM,R
NGC 4129 Mar 25 2020 36" 17mmT4	H548-2 PB,ML,EL-EDGE ON,NND,MHISB,TAPERED ENDS,R=G	Galaxy SBab	F,PL,PME95,VGLBM
NGC 4139 Mar 25 2020 36" 17mmT4	H548-2 MB,ML,EL-OVAL,FSNUC,PAIRS=7 OTHERS,R=FG	Galaxy SB(rs)0^	F,S,DIFFIC,P OF DNEB
NGC 4164 Apr 26 2003 12.5" 9mmT6	H548-2 VDIF,VF,ES,PATCH,UB,AV,PAIR/4165/4241,R=P	Galaxy E3	VF,2-3'S OF 4165
NGC 4165 Apr 26 2003 12.5" 9mmT6	H548-2 VDIF,PF,VS,PATCH,UB,AV HOLDS,PAIR/4241/4164,R=P	Galaxy SAB(r)a:?	EF,*10NP,4168F
NGC 4168 Apr 26 2003 12.5" 9mmT6	H105-2 VB,PL,R,BLNUC AREA,VHISB,R=E	Galaxy E2	PB,PL,IF,PSBM,R,*INV
NGC 4178 Apr 25 1981 12.5" 24mm	H105-2 DIF,VF,PS,EDGE ON,FNUC,F HALO,COMP CLOSE	Galaxy SB(rs)dm	VF,VL,E45,*7F
NGC 4179 Apr 25 1981 12.5" 24mm	H9-1 DIF,PF,PS,EL,BNUC,F HALO	Galaxy S0 sp	PB,PS,PME135,BMN
NGC 4180	H133-2	Galaxy Sab:	PF,S,LE0,R

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NGC 4180 Mar 25 2020 36"	17mmT4	H133-2 VB,ML,EL,NND,HISB,R=G	Galaxy Sab:	PF,S,LE0,R
NGC 4193 Feb 22 2020 36"	17mmT4	H163-2 VB,VL,EL,FLNUC,HISB,R=GE	Galaxy SAB(s)c:?	VF,PL,E,VGBM
NGC 4197 Apr 19 2014 36"	17mmT4	H134-2 MF,ML,EDGE ON,NND,TAPERED/SHARP ENDS,SHISB,R=FG	Galaxy Sd	PF,PME,VGBM
NGC 4200 Feb 22 2020 36"	17mmT4	H164-2 MB,ML,EL,FLNUC,R=FG	Galaxy S0	CF,LE,LBM
NGC 4206 Feb 22 2020 36" Mar 08 2010 31"	17mmT4 17mmT4	H165-2 PB,VL,EDGE ON,UB,MHISB,TAPERED ENDS,SLT CNTR BULGE,GRAN,R=GE MF,PL,EDGE ON,UB,NND,SOME CNTR BULGING,PAIR=IC771,R=G	Galaxy SA(s)bc:	F,VME
NGC 4215 Feb 22 2020 36"	17mmT4	H135-2 PB,ML,EL-OVAL,BLNUC,HISB,SBM,GRAN HALO,R=G	Galaxy SA(r)0+: sp	B,PS,E,SBM*11
NGC 4216 Mar 08 2010 31" Apr 25 1981 12.5" Jun 10 1980 6"	17mmT4 24mm 24mm	H35-1 VB,VL,EDGE ON,VBSNUC,F* OFF NUC,SHISB,GMBM,PAIRS=PGC/MAC,R=E VB,EL,EL-EDGE ON,BNUC,BARMS	Galaxy SAB(s)b:	VB,VL,VME17,SBMN
NGC 4223 Apr 26 2003 12.5"	9mmT6	H137-2 PB,PL,EL TO OVAL,BNUC,MHISB,PAIR/4165/4164,R=E	Galaxy SA(s)^:	VF,L,VGBM,*7S
NGC 4224 Apr 25 1981 12.5"	24mm	H136-2 DIF,PF,PS,FNUC,F HALO,PAIR/4233/4235	Galaxy SA(s)a: sp	PB,PS,LE,GBM,R
NGC 4233 Apr 25 1981 12.5"	24mm	H496-2 DIF,PS,PS,FNUC,F HALO,PAIR/4224/4235	Galaxy S0^	PF,R,VSBSN
NGC 4235 Feb 22 2020 36" Apr 25 1981 12.5"	17mmT4 24mm	H17-2 VB,VL,EL-EDGE ON,BLNUC,HISB CNTR,GRAN HALO,MBM,R=G DIF,PF,PS,FNUC,F HALO,PAIR/4233/4224	Galaxy SA(s)a sp	PB,PL,PME,BM,P OF 2
NGC 4241 Mar 05 2021 36"	17mmT4	H480-3 MB,ML,OVAL,SOFT LNUC,MHISB,GRAN,R=G	Galaxy SB(s)cd	VF,L,VGBM,*7 S; = IC 3103
NGC 4246 Feb 22 2020 36"	17mmT4	H91-3 MF,PL,OVAL PATCH,NND,PAIR=N4247,R=G	Galaxy SA(s)c	EF
NGC 4247 Feb 22 2020 36"	17mmT4	H91-3 MF,PS,FSNUC,PAIR=N4246,R=F	Galaxy (R)SAB(s)ab pec	F,S,R,BM,6'N OF4246
NGC 4257			Galaxy Sab: sp	VF,PS,R,*1852'

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NGC 4257		Galaxy Sab: sp	VF,PS,R,*1852'
Apr 26 2003	12.5" 9mmT6	DIF,PF,MS,EDGE ON,UB,NND,PAIR/4264/4261,R=F	
NGC 4259		Galaxy S0 sp	F,PS,R
Apr 26 2003	12.5" 9mmT6	MF,MS,OVAL,FNUC,CL,7 OF 9,R=F	
NGC 4260		H138-2 Galaxy SB(s)a	PB,E,PSBM
Mar 08 2010	31" 17mmT4	MB,ML,EL,FLNUC,SHISB CNTR,R=G	
Apr 25 1981	12.5" 24mm	DIF,PF,PS,FNUC,DIM HALO,PAIR/4261	
NGC 4261		H139-2 Galaxy E2-3	PB,PS,R,GBM
Mar 08 2010	31" 17mmT4	PB,ML,OVAL,BLNUC,GRAN HALO,HISB CNTR,PAIRS=NGC/PGC'S,R=G	
Apr 26 2003	12.5" 9mmT6	VB,PL,R,BNUC,HISB CNTR,VMBM,BLNUC,PAIR/4264/4257,R=E	
Apr 25 1981	12.5" 24mm	DIF,PF,PS,FNUC,DIM HALO,PAIR/4260	
NGC 4264		H140-2 Galaxy SB(rs)0+	F,PS,R,GBM
Mar 08 2010	31" 17mmT4	MB,ML,R,FLNUC,PAIRS=NGC/PGC'S,R=G	
Apr 26 2003	12.5" 9mmT6	MF,MS,OVAL,PATCH,UB,NND,PAIR/4261/4257,R=F	
NGC 4266		Galaxy SB(s)a? sp	PF
Apr 26 2003	12.5" 9mmT6	DIF,EF,ML,EDGE ON,NND,AV HOLDS,B* ON EDGE,CL,9 OF 9,R=P	
NGC 4267		H166-2 Galaxy SB(s)0-?	PB,VS,R,VSMBM
Apr 25 1981	12.5" 24mm	PF,PS,FNUC,DIM HALO	
NGC 4268		Galaxy SB0/a: sp	PF,S,2ND OF 6 NEB
Apr 26 2003	12.5" 9mmT6	PB,ML,OVAL,FNUC,SLT HISB,BSNUC,CL,5 OF 9,R=G	
NGC 4269		Galaxy S0+	PF,S,R,*9F1S,N85"
Mar 08 2010	31" 17mmT4	MF,VS,R,BSNUC,PAIR=IC3155,R=F	
NGC 4270		H568-2 Galaxy S0	PB,S,R
Apr 26 2003	12.5" 9mmT6	PB,PL,EL-OVAL,FNUC,SHISB,SBM,CL,6 OF 9,R=G	
Apr 25 1981	12.5" 24mm	DIF,PF,PS,DARM,PAIR/4273/4281	
NGC 4273		H569-2 Galaxy SB(s)c	PB,L,E,GBM
Apr 26 2003	12.5" 9mmT6	MB,PL,OVAL,UB,*NUC,MHISB,CL,4 OF 9,R=G	
Apr 25 1981	12.5" 24mm	DIF,PF,PS,DARM,PAIR/4270/4281	
NGC 4277		H571-2 Galaxy SAB(rs)0/a:	VF,ES
Apr 26 2003	12.5" 9mmT6	DIF,VF,MS,PATCH,UB,NND,CL,3 OF 9,R=F	
NGC 4281		H570-2 Galaxy S0+: sp	B,VL,R,PGBM
Apr 26 2003	12.5" 9mmT6	MP,PL,EL,BNUC,MHISB,GBM,LNUC AREA,CL,1 OF 9,R=E	
NGC 4282		Galaxy S0?	PF
Apr 26 2003	12.5" 9mmT6	DIF,PF,PS,EL,PATCH,UB,NND,CL,2 OF 9,R=F	

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NGC 4289			Galaxy SA(s)cd: sp	VF,S,*8.5F12S
May 30 2014 36"	17mmT4		PF,ML,EDGE ON,NND,PA~0,CLOSE TO B*,SMWHT SLT BULGE IN CNTR,SHARP ENDS,R=FG	
NGC 4292			Galaxy (R)SB(r)0^	F,S,R,VGLBM,*9NP72"
Mar 08 2010 31"	17mmT4		MF,PS,OVAL,FLNUC,PAIR=MAC,R=F	
NGC 4294		H61-2	Galaxy SB(s)cd	F,L,ME135,BIN,P OF 2
Apr 25 1981 12.5"	24mm		DIF,EF,PS,FARMS,PAIR/4299	
NGC 4296		H92-3	Galaxy S0	VF,VS
Feb 22 2020 36"	17mmT4		MB,MS,OVAL,BLNUC,MHISB,INTRACT=N4297,R=FG	
NGC 4297		H93-3	Galaxy S0	EF,ES
Feb 22 2020 36"	17mmT4		VF,VS,PATCH,UB,NND,INTRACT=N4296,R=P	
NGC 4299		H62-2	Galaxy SAB(s)dm:	F,L,LE,VGBM,F OF 2
Apr 25 1981 12.5"	24mm		DIF,EF,ES,FARMS,PAIR/4294	
NGC 4300		H572-2	Galaxy Sa	F,LE,VGBM
Feb 22 2020 36"	17mmT4		PB,ML,EL-EDGE ON,BLNUC,HISB,R=G	
NGC 4303	M61	H139-1	Galaxy SAB(rs)bc	VB,VL,VSBM*,BIN
Apr 11 2015 36"	17mmT4		PB,VL,FACE ON,VBSNUC HISB WELL DEFINED,B BAR WITH ARMS AT ENDS,* OFF ONE ARM,B	
Mar 08 2010 31"	17mmT4		PATCHES IN ARMS,OUTSTANDING,R=E	
Mar 19 2004 12.5"	12mmT4		PB,PL,BSNUC,MHISB CNTR,FACE ON,F* IN OUTER ARM,SPR STR DET,DUST,PATCHY AREAS IN	
Feb 12 1983 12.5"	24mm		ARMS,F BAR DET,R=EE	
Apr 25 1981 12.5"	24mm		MESSIER MARATHON 2004	
Mar 27 1981 12.5"	24mm		PB,VL,*NUC,ARMS DET,FACE ON,KNTS DET	
Jun 10 1980 6"	24mm		DIF,VB,VL,DNUC,FARM	
			MESSIER MARATHON 1981	
NGC 4307			Galaxy Sb sp	PF,L,ME,3KNOTS
Apr 25 1981 12.5"	24mm		DIF,PF,PS,EDGE ON,DARM	
NGC 4313		H63-2	Galaxy SA(rs)ab: sp	VF,L,E135,R
Apr 26 2003 12.5"	9mmT6		VB,VL,EDGE ON,UB,NND,MHISB,R=E	
NGC 4320			Galaxy S?	F,VS,SP OF 2
Mar 05 2021 36"	17mmT4		MF,MS,OVAL,FSNUC,SHISB CNTR,PAIR=N4325,R=FG	
NGC 4324			Galaxy SA(r)0+	PB,RORLE,BM
Apr 25 1981 12.5"	24mm		DIF,PF,PS,FNUC,FARM	
NGC 4325		H38-3	Galaxy E?	VF,VS,IR,NF OF 2
Mar 05 2021 36"	17mmT4		MF,MS,OVAL,SHISB CNTR,FLNUC,PAIR=N4320,R=FG	
NGC 4326		H141-2	Galaxy SAB(r)ab:	VF,S,R,BM,1ST OF 3

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NGC 4326		H141-2	Galaxy SAB(r)ab:	VF,S,R,BM,1ST OF 3
Feb 22 2020 36"	17mmT4	MF,PS,OVAL,FSNUC,PAIRS=N4333/N4339,R=F		
NGC 4330			Galaxy Scd?	VF,L,ME
May 30 2014 36"	17mmT4	MB,ML,EDGE ON,NND,PA~70,SHISB,SOME BKN ARMS,R=G		
NGC 4333		H142-2	Galaxy SB(s)ab	F,PS,R,BM,2ND OF 3
Feb 22 2020 36"	17mmT4	MF,MS,EL,FLNUC,PAIRS=N4326/4339,R=F		
NGC 4339		H143-2	Galaxy E0	B,PL,R,BM,3RD OF 3
Feb 22 2020 36"	17mmT4	PB,ML,R,BLNUC,HISB,GRAN HALO,PAIRS=N4326/N4333,R=G		
Apr 25 1981 12.5"	24mm	DIF,PF,PS,FNUC		
NGC 4341		H95-3	Galaxy SAB(s)0⁺ sp	EF,VS,R
Feb 22 2020 36"	17mmT4	MF,MS,EL/EDGE ON,FSNUC,R=FG		
NGC 4342		H96-3	Galaxy S0- sp	EF,VS,R
Apr 25 1981 12.5"	24mm	DIF,EF,PS,FARMS,PAIR/4365		
NGC 4343		H94-3	Galaxy SA(rs)b:	PF,S,E,(D)
Apr 26 2003 12.5"	9mmT6	MB,ML,OVAL,SHISB,L B CNTR AREA,R=G		
NGC 4348		H625-2	Galaxy SAbc: sp	F,PL,E70,VLBM
Feb 22 2020 36"	17mmT4	PB,ML,EDGE ON,MHISB,S TAPERED ENDS,PATCHY,R=G		
NGC 4351			Galaxy SBab/	F,PL,IR,BM
Apr 10 2023 36"	17mmT4	MB,ML,PATCH,UB,NND,MHISB,R=FG		
NGC 4352		H64-2	Galaxy SA0: sp	CF,CS,LE
Feb 22 2020 36"	17mmT4	MB,ML,EL,BLNUC,MHISB,R=G		
NGC 4356		H481-3	Galaxy Scd:	VF
May 30 2014 36"	17mmT4	MB,ML,EDGE ON,NND,PA~45,SHISB,* JUST OF NUC,TAPERED ENDS,R=FG		
NGC 4365		H30-1	Galaxy E3	CB,PL,VLE,GL,SMBM
Mar 08 2010 31"	17mmT4	PB,PL,OVAL,BLNUC,GRAN AREA SUR NUC,HISB CNTR,R=G		
Apr 25 1981 12.5"	24mm	PB,PL,BNUC,FARMS,PAIR/4342		
Jun 10 1980 6"	24mm	S FUZZY PATCH		
NGC 4366		H97-3	Galaxy E	EF
Mar 08 2010 31"	17mmT4	MF,MS,EL,UB,NND,PAIR=4370,R=F		
NGC 4370		H144-2	Galaxy Sa sp	PF,PS,LE,BM
Mar 08 2010 31"	17mmT4	MB,ML,OVAL-R,UB,NND,SHISB,PAIR=4366,R=F		
NGC 4371		H22-1	Galaxy SB(r)0⁺	B,PS,R,GBM
Apr 25 1981 12.5"	24mm	PB,PS,BNUC,F HALO		

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NGC 4374	M84	Galaxy E1	VB,PL,R,PSBM,R
Apr 11 2015 36"	17mmT4	EB,VL,OVAL,GMBM,HISB CNTR,MSNUC,F OBLONG HALO SUR NUC,R=G	
Mar 08 2010 31"	17mmT4	VB,PL,R,BLNUC,GRAN HALO,HISB CNTR,R=G	
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Apr 25 1981 12.5"	24mm	EB,PL,BNUC,BARMS,HALO	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jun 10 1980 6"	24mm		
NGC 4376		H530-2	Galaxy Im
Feb 22 2020 36"	17mmT4	PF,ML,OVAL,PATCH,UB,NND,R=F	F,S
NGC 4378		H123-1	Galaxy (R)SA(s)a
Apr 25 1981 12.5"	24mm	PF,PS,FNUC	B,S,*8,9SF3'
NGC 4380			Galaxy SA(rs)b:?
Apr 25 1981 12.5"	24mm	DIF,EF,PL,FARM	VF,PL,R,LBM
NGC 4387		H167-2	Galaxy E
Mar 08 2010 31"	17mmT4	PB,MS,OVAL,BLNUC,HISB CNTR,R=G	PF,VS,R,*13NP90,NP-2
NGC 4388		H168-2	Galaxy SA(s)b: sp
Apr 11 2015 36"	17mmT4	VB,VL,EL-EDGE ON,FLNUC,GBTR CNTR,SOFT NUC,DUST,BKN PARTS IN ARMS,R=E	VF,E,SF OF2
Apr 25 1981 12.5"	24mm	DIF,PB,EL,EDGE ON,FNUC,DARM,PAIR/M86	
Mar 27 1981 12.5"	24mm		
NGC 4390		H39-3	Galaxy SAB(s)c:
Feb 22 2020 36"	17mmT4	PF,ML,OVAL,PATCH,UB,NND,R=F	VF,PL,R
NGC 4402			Galaxy Sb sp
Mar 08 2010 31"	17mmT4	MB,PL,EDGE ON,UB,NND,SLT TAPERED ENDS,R=G	F,L,ME90
NGC 4403		H755-3	Galaxy SA(r)ab pec sp
Feb 22 2020 36"	17mmT4	MB,MS,EL,FLNUC,CLOSE COMP=N4404,SW HISB CNTR,R=FG	VF,VS,E
NGC 4404		H756-3	Galaxy SA(r)0- pec:
Feb 22 2020 36"	17mmT4	MB,MS,OVAL,FLNUC,CLOSE COMP=N4403,SW HISB CNTR,R=FG	VF,VS,E
NGC 4406	M86	Galaxy E3	VB,L,R,GBMN,R
Apr 11 2015 36"	17mmT4	EB,VL,OVAL,GMBM,HISB CNTR,MSNUC,F OBLONG HALO SUR NUC,R=G	
Mar 08 2010 31"	17mmT4	VB,PL,OVAL,BLNUC,GRAN HALO,GRAD BM,HISB CNTR,COMP=PGC40659,R=G	
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Apr 25 1981 12.5"	24mm	EB,PL,BARMS,PAIR/4388	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jun 10 1980 6"	24mm		
NGC 4412		H34-2	Galaxy SB(r)b? pec
Apr 25 1981 12.5"	24mm	DIF,PF,PL,DARM	F,PL,R,GBM,R

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NGC 4413 Feb 22 2020 36" 17mmT4	H169-2 PB,ML,OVAL,BLNUC,MHISB,GRAN HALO,R=G	Galaxy (R')SB(rs)ab:	CF,S,GBM,2ST N,NP
NGC 4415 Feb 22 2020 36" 17mmT4	H482-3 MB,ML,PATCH,NND,SHISB,R=FG	Galaxy S0/a	EF,PS
NGC 4417 Apr 25 1981 12.5" 24mm	H155-2 DIF,PF,PL,EDGE ON,FNUC,FARMS,PAIR/4424	Galaxy SB0: sp	F,PL,E,LBP
NGC 4418 Mar 05 2021 36" 17mmT4 Feb 22 2020 36" 17mmT4	H492-3 MB,ML,EL-OVAL,FLNUC,MHISB,MBM,PAIR=N4531/P40790,R=FG MB,MS,OVAL,BLNUC,SHISB,R=FG	Galaxy (R')SAB(s)a	FORVF,SORCL,RORME,* NR
NGC 4420 Feb 22 2020 36" 17mmT4	H23-2 PB,PL,EL-EDGE ON,UB,NND,MHISB,R=G	Galaxy SB(r)bc:	F,PL,LE,R,(=4409)
NGC 4422 Feb 22 2020 36" 17mmT4	H114-3 MF,MS,R,BLNUC,SHISB,R=FG	Galaxy SA0- pec?	F,VS,R,PSBM,2S* NR
NGC 4423 Feb 22 2020 36" 17mmT4	H145-2 MB,ML,EDGE ON,UB,NND,SLT TAPERED,R=FG	Galaxy Sdm:	VF,VS,E
NGC 4424 Apr 25 1981 12.5" 24mm	H170-2 PB,PL,EDGE ON,DNUC,FARMS,PAIR/4417	Galaxy SB(s)a:	F,PL,IR,BM
NGC 4425 Apr 25 1981 12.5" 24mm	H170-2 DIF,PF,PS,EDGE ON,FNUC,FARM	Galaxy SB0+: sp	PF,S,R,BM
NGC 4429 Apr 25 1981 12.5" 24mm	H65-2 DIF,PB,PL,FNUC,DARM	Galaxy SA(r)0+	B,L,CE,PSBM,*10NF
NGC 4430 Feb 22 2020 36" 17mmT4	H146-2 MF,PL,OVAL,NND,PAIR=N4432,R=F	Galaxy SB(rs)b:	CF,L,R,GBM
NGC 4431 Feb 22 2020 36" 17mmT4	H171-2 MB,PL,OVAL,FLNUC,NICE TRIPPLE PAIR,R=FG	Galaxy SA(r)0	VF,VS,CE,GBM
NGC 4432 Feb 22 2020 36" 17mmT4	H171-2 PF,MS,PATCH,*NUC OR F* IN GLXY,PAIR=N4430,R=P	Galaxy Sbc	2*IN EF NEB
NGC 4433 May 01 1981 12.5" 24mm	H171-2 DIF,EF,PS,EDGE ON,FNUC,DARM	Galaxy SAB(s)ab	PF,PL,LE
NGC 4434 Feb 22 2020 36" 17mmT4	H497-2 VB,ML,R,BLNUC,GRAN HALO,R=GE	Galaxy E	PF,VS
NGC 4435	H28-1	Galaxy SB(s)0^	VB,CL,R,NP OF 2

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NGC 4435		H28-1	Galaxy SB(s)0[^]	VB,CL,R,NP OF 2
Mar 16 2010 31"	17mmT4	VB,VL,OVAL,BLNUC,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			
NGC 4436		H172-2	Galaxy S0	CF,S,GBM
Feb 22 2020 36"	17mmT4	MB,ML,EL-OVAL,FLNUC,NICE TRIPPLE PAIR,R=FG		
NGC 4438		H28-1	Galaxy SA(s)0/a pec:	B,CL,VLE,R,SF OF 2
Mar 16 2010 31"	17mmT4	VB,VL,EL,BLNUC,HISB CNTR,GRAN 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			
NGC 4440		H173-2	Galaxy SB(rs)a	B,PS,R,BM,R
Feb 22 2020 36"	17mmT4	VB,PL,ELOGN,BLNUC,HISB CNTR,NICE TRIPPLE PAIR,R=GE		
NGC 4442		H156-2	Galaxy SB(s)0[^]	VB,PL,R,SMBM
May 01 1981 12.5"	24mm	PB,PS,BNUC,FARM		
NGC 4452		H23-1	Galaxy S0?	PB,S,VME
Feb 22 2020 36"	17mmT4	VB,PL,EDGE ON,UB,NND,MHISB,SLT TAPERED,R=GE		
NGC 4453		H26-2	Galaxy S?	F,PS,BM,RESOLVABLE
Feb 22 2020 36"	17mmT4	VF,VS,PATCH,NND,R=P		
NGC 4454		H180-2	Galaxy (R)SB(r)0/a	F,L,R,GBM,ER
May 01 1981 12.5"	24mm	PF,PL,EDGE ON,DNUC,DARM		
NGC 4457		H35-2	Galaxy (R)SAB(s)0/a	CB,PS,R,SMBMN
May 01 1981 12.5"	24mm	PB,PL,BNUC,DARM		
NGC 4458		H121-2	Galaxy E0-1	PB,S,R,BM,P OF 2
Feb 22 2020 36"	17mmT4	PB,ML,BSNUC,PAIR=N4461,R=G		
NGC 4461		H122-2	Galaxy SB(s)0⁺:	PF,S,R,BM,F OF 2
Feb 22 2020 36"	17mmT4	VB,VL,EL-OVAL,BLNUC,MHISB,L GRAN HALO/ARMS,TAPERED ENDS,VMBM,HISB CNTR,PAIR=N4458,R=GE		
May 01 1981 12.5"	24mm	DIF,PF,PS,FNUC,FARMS,PAIR/4473		
Mar 27 1981 12.5"	24mm			
NGC 4464		H483-3	Galaxy S?	F,VS,R,PGBM
Mar 16 2010 31"	17mmT4	MB,MS,R,BSNUC,PAIR=4472,R=G		
NGC 4465			Galaxy Sc	VF,VDIF
Mar 16 2010 31"	17mmT4	MF,VS,PATCH,UB,NND,ALL 3 JUST OUTSIDE HALO OF NGC4472,PAIRS=4467/PGC,R=F		

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NGC 4466		Galaxy Sab? sp	VF,PS,IR
Mar 16 2010 31"	17mmT4	MF,ML,EDGE ON,UB,NND,CIGAR SHAPE,PAIR=4470,R=G	
NGC 4467		Galaxy E2	VF,VS,LE
Mar 16 2010 31"	17mmT4	MF,VS,OVAL,LAFRGE FNUC,ALL 3 JUST OUTSIDE HALO OF NGC4472,PAIRS=4465/PGC,R=F	
NGC 4469		H157-2 Galaxy SB(s)0/a? sp	PF,PL,ME,BM,R
May 01 1981 12.5"	24mm	DIF,PF,PL,EL,FNUC,DARM,F* 15 MAG	
NGC 4470		H18-2 Galaxy Sa?	F,PL,IR,BM
Mar 16 2010 31"	17mmT4	PB,ML,UB,NND,PATCHY,PAIR=4466,R=G	
NGC 4472	M49	H7-1 Galaxy E2	VB,L,R,MBM,R
Feb 22 2020 36"	17mmT4	EB,VL,OVAL,BLNUC,HISB,GMBM,HISB CNTR,GRAN HALO,R=E	
Apr 11 2015 36"	17mmT4	EB,VL,VL BNUC,BM,HISB MID,* OFF NUC,OVAL PATCH MHISB,R=G	
Mar 16 2010 31"	17mmT4	VB,VL,OVAL,BLNUC,L HALO ARMS,GRAD MBM,HISB CNTR,F* OFF NUC,R=E	
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
May 01 1981 12.5"	24mm	EB,EL,BNUC,BARMS,F* 12 MAG TO S,3F*S TO E	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jun 10 1980 6"	24mm		
NGC 4476		H123-2 Galaxy SA(r)0-:	F,S,R,BM,1ST OF 3
May 01 1981 12.5"	24mm	DIF,EF,PS,FARMS,PAIR/M87/4478	
NGC 4478		H124-2 Galaxy E2	PB,S,R,PSBM,2ND OF 3
May 01 1981 12.5"	24mm	PF,PS,EL,FNUC,FARMS,PAIR/4476/M87	
NGC 4480		H531-2 Galaxy SAB(s)c	PF,PS,E,BS
Feb 22 2020 36"	17mmT4	MB,ML,OVAL,UB,NND,SHISB,R=G	
NGC 4482		H40-3 Galaxy E	EF,PL
Feb 22 2020 36"	17mmT4	MB,ML,EL-OVAL,VFLNUC,SHISB,R=G	
NGC 4483		Galaxy SB(s)0+:	PB,PS,R,BM
May 01 1981 12.5"	24mm	DIF,EF,PS,EFARMS,EFNUC	
NGC 4486	M87	Galaxy E+0-1 pec	VB,VL,R,MBM,3RD OF 3
Apr 11 2015 36"	17mmT4	EB,EL,OVAL-R,VBLNUC,GETS BIN MID,HISB CNTR,F HALO SUR NUC,NO ARM STR,R=GE	
May 09 2010 31"	17mmT4	EB,VL,OVAL-R,BLNUC,L GRAN ARMS,GMBM,HISB CNTR,L 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		
NGC 4487		H776-2 Galaxy SAB(rs)cd	F,VL,ER
May 01 1981 12.5"	24mm	DIF,EF,PL,FARM	

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NGC 4488 Feb 22 2020 36" 17mmT4	H484-3 MB,MS,EL,BNUC,BGM,CNTR NUC VB,HISB CNTR,R=FG	Galaxy SB(s)0/a pec:	VF,VS,LE
NGC 4491 Feb 22 2020 36" 17mmT4	H41-3 MB,ML,EL-OVAL,UB,NND,R=FG	Galaxy SB(s)a:	F,L,R
NGC 4492 Feb 22 2020 36" 17mmT4	H499-2 MB,MS,R,BLNUC,MHISB,R=FG	Galaxy SA(s)a?	PF,PL,VGLBM,2*NR
NGC 4496A Feb 22 2020 36" 17mmT4	H36-2 PF,PL,EL,PATCH,UB,NND,INTRACT=N4496B,SPLIT,R=FG	Galaxy SB(rs)m	F,CL,BIN OR DNEB
NGC 4496B Feb 22 2020 36" 17mmT4	H36-2 PF,ML,EL,PATCH,UB,NND,INTRACT=N4496A,SPLIT,R=FG	Galaxy IB(s)m:	F,CL,BIN OR DNEB
NGC 4497 Feb 22 2020 36" 17mmT4	H42-3 MB,ML,EL,VFLNUC,SHISB,R=FG	Galaxy SAB(s)0+:	VF
NGC 4503 May 01 1981 12.5" 24mm	H66-2 PF,PS,FNUC	Galaxy SB0-:	PB,S,R,GBM
NGC 4504 May 01 1981 12.5" 24mm	H771-2 DIF,PF,PL,FARM	Galaxy SA(s)cd	PB,CL,IE,GVLBM,ER
NGC 4517 May 30 2014 36" 17mmT4 May 01 1981 12.5" 24mm	H5-4 MB,EL,EDGE ON,NND,PA~90,EDGE TO EDGE IN EYEPIECE FOV,SHISB,GRAN,DUST,BKN PARTS,SMWHT CNTR BULGE,R=G PF,EL,EDGE ON,FARM	Galaxy SA(s)cd: sp	CB,VL,VME89,PB*INCNT
NGC 4519 May 03 1981 12.5" 24mm	H158-2 DIF,PF,PL,FARM	Galaxy SB(rs)d	F,PL,R,BM,R
NGC 4520 Feb 22 2020 36" 17mmT4	H757-3 MB,VS,OVAL,BSNUC,R=F	Galaxy SA0- pec sp	VF,S,2VS*INV
NGC 4522 May 03 1981 12.5" 24mm	H757-3 DIF,EF,PL,EL,FARM	Galaxy SB(s)cd: sp	EF,PL,LE,VLBM
NGC 4526 May 09 2010 31" 17mmT4 May 03 1981 12.5" 24mm Jun 10 1980 6" 24mm	H31-1 EB,EL,EL,BSNUC,HARD TO KEEP B* OUT OF FOV,GRAN ARMS,HISB CNTR,GMBM,TIGHT NUC,R=E VB,PL,EL,BNUC,BARMS	Galaxy SAB(s)0^:	VB,VL,ME120,PSMBM
NGC 4527 May 03 1981 12.5" 24mm	H37-2 PB,PL,ELDNUC,FARMS,PAIR/4536	Galaxy SAB(s)bc	PB,L,PME69,MBM
NGC 4528	H67-2	Galaxy S0^:	PF,CS,R,BM,*9F30S

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NGC 4528 Feb 22 2020 36" 17mmT4	H67-2 VB,MS,OVAL,BSNUC,MHISB,VMBM,HHISB CNTR,R=G	Galaxy S0⁺:	PF,CS,R,BM,*9F30S
NGC 4531 Mar 05 2021 36" 17mmT4	H175-2 MB,ML,R,NND,MHISB,PAIRS=PGC40790/N4418,R=G	Galaxy SB0⁺:	F,PL,R,VGBM
NGC 4532 May 03 1981 12.5" 24mm	H147-2 PB,PL,ELDARM	Galaxy IBm	PB,PL,PME,VGBM,R
NGC 4535 May 03 1981 12.5" 24mm	H500-2 DIF,PB,EF,DARM,F* ~11 MAG	Galaxy SAB(s)c	PF,VL,R
NGC 4536 May 03 1981 12.5" 24mm	H2-5 DIF,PB,EL,ELDARM,PAIR/4527	Galaxy SAB(rs)bc	B,VL,ME110,SBM,ER
NGC 4541 Mar 05 2021 36" 17mmT4	H493-3 MF,ML,OVAL,VFLNUC,S MHISB,R=F	Galaxy (R')SAB(r)bc:	F,S,R,GBM
NGC 4546 Feb 12 1983 12.5" 16mm	H160-1 MB,PS,BNUC,F*E SVRL GLXY DIA,TAPERED ENDS	Galaxy SB(s)0-:	VB,CL,PME78,VSMBMN
NGC 4550 Mar 05 2021 36" 17mmT4 Jun 04 1981 12.5" 24mm	H36-1 PB,PL,EL,BLNUC,HISB,GRAN HALO,PAIR=N4551,R=G DIF,PF,PS,ELDARM,NGC 4551 CLOSE BY,PAIR/M89	Galaxy SB0⁺: sp	PB,S,VLE,SP OF 2
NGC 4551 Mar 05 2021 36" 17mmT4	H37-1 PB,PL,R,BLNUC,HISB,VS B CNTR NUC RGN,GRAN HALO,PAIR=N4550,R=G	Galaxy E:	PB,S,R,BM,NF OF 2
NGC 4552 Apr 11 2015 36" 17mmT4 May 09 2010 31" 17mmT4 Mar 19 2004 12.5" 12mmT4 Jun 04 1981 12.5" 24mm Mar 27 1981 12.5" 24mm Jun 10 1980 6" 24mm	M89 EB,ML,OVAL-R,EXT BIN MID,HISB CNTR,GR GET BTOWARDS MID,F HALO,R=GE EB,VL,OVAL-R,BLNUC,GRAN HALO,HISB CNTR,SUDLY MBM,R=E MESSIER MARATHON 2004 VB,VL,BNUC,B HALO,PAIR/4550 MESSIER MARATHON 1981	Galaxy E0-1	PB,PS,R,GMBM
NGC 4564 May 09 2010 31" 17mmT4 Jun 04 1981 12.5" 24mm	H68-2 PB,ML,EL,BSNUC,GMBM,MHISB,HISB CNTR,R=G VB,VS,BNUC,PAIR/4567/4568	Galaxy E	PB,S,LE,PSBM
NGC 4567 May 09 2010 31" 17mmT4 Jun 04 1981 12.5" 24mm Jun 10 1980 6" 24mm	H8-4 MB,PL,OVAL,VSNUC,SHISB,*NUC,TOUCH=4568,E PAIR,R=E DIF,PB,VL,ELDIM HALO,PAIR/4564/4568 NOT SURE IF IT IS 4567 OR 4568	Galaxy SA(rs)bc	VF,L,NP OF D NEB
NGC 4568 May 09 2010 31" 17mmT4	H9-4 MB,PL,OVAL,NND,SHISB,PATCHY,BKN ARMS/DUST,TOUCH=4567,E PAIR,R=E	Galaxy SA(rs)bc	VF,L,SF OF D NEB

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NGC 4568		H9-4	Galaxy SA(rs)bc	VF,L,SF OF D NEB
Jun 04 1981 12.5"	24mm		DIF,PB,VL,ELDIM HALO,PAIR/4564/4567	
NGC 4569	M90		Galaxy SAB(rs)ab	PL,BMN
Apr 11 2015 36"	17mmT4		PB,EL,EL-OVAL,BS*NUC,F OVAL HALO MOSTLY ELNO ARM STR,R=G	
May 18 2007 31"	17mmT4		EB,EL,EL,VBSNUC,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,EL,BNUC,B HALO	
Mar 27 1981 12.5"	24mm		MESSIER MARATHON 1981	
Jun 10 1980 6"	24mm			
NGC 4570		H32-1	Galaxy S0 sp	CB,PS,ME0,SBMRN
May 09 2010 31"	17mmT4		VB,VL,EL-EDGE ON,BSNUC,HISB,SUDLY MBM,TAPERED ENDS,SLT CNTR BULGE,R=G	
Jun 04 1981 12.5"	24mm		PB,VS,EL,BNUC	
Jun 10 1980 6"	24mm		JUST BARELY VISIBLE	
NGC 4578		H15-2	Galaxy SA(r)0⁺:	PF,PS,R,SBMN,*NP
Jun 04 1981 12.5"	24mm		VF,ES,DNUC	
NGC 4579	M58		Galaxy SAB(rs)b	B,L,IR,VMBM,R
Apr 11 2015 36"	17mmT4		PB,PL,OVAL,GMBM,HISB MID,MSNUC,PATCH,R=G	
May 09 2010 31"	17mmT4		PB,PL,EL,BSNUC,SBM,HISB CNTR,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			
NGC 4580		H124-1	Galaxy SAB(rs)a pec	PB,L,VGBM
Jun 04 1981 12.5"	24mm		DIF,PF,VL,DIM HALO	
NGC 4586		H125-1	Galaxy SA(s)a: sp	PB,L,E,PSBM
Jun 04 1981 12.5"	24mm		DIF,PF,PL,EL,F HALO	
NGC 4588		H98-3	Galaxy Scd:	VF,ES
Mar 05 2021 36"	17mmT4		VF,PS,PATCH,NND,VF* IN GLXY,R=PF	
NGC 4591		H504-3	Galaxy S?	VF,CS
Mar 05 2021 36"	17mmT4		MF,ML,OVAL,PATCH,UB,DD,SHISB,R=F	
NGC 4592		H31-2	Galaxy SA(s)dm:	F,L,E90,VGBM
Jun 04 1981 12.5"	24mm		DIF,PF,ML,EL-EDGE ON,F HALO	
NGC 4593		H183-2	Galaxy (R)SB(rs)b	PB,CL,E,SBMN=*
Jun 04 1981 12.5"	24mm		DIF,MF,PL,EDGE ON,DNUC,F HALO,PAIR/4597	
NGC 4594	M104	H43-1	Galaxy SA(s)a sp	VB,VL,EE92,VSBMN
Apr 11 2015 36"	17mmT4		EB,EL,EDGE ON,DUST LANE CUTS OFF 1/2 NUC,S SOFT HISB GBM NUC,GRAN HISB ARMS,CNTR	

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NGC 4594	M104	H43-1	Galaxy SA(s)a sp	VB,VL,EE92,VSMBMN
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Feb 12 1983 12.5"	16mm	VB,ML,EDGE ON,BNUC,DUST LANE EASILY DET,B CNTR BULGE,CUT IN TWO		
May 01 1981 12.5"	24mm	VB,PL,EDGE ON,BUC,B HALO,DUST LANE SEEN THROUGH GLXY		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
May 07 1980 5"	9mm	E!!,DUST LANE DET,SHAPE DET		
NGC 4596		H24-1	Galaxy SB(r)0+	B,PS,R,GMBM,R,3*F
Jun 04 1981 12.5"	24mm	MB,PL,BNUC,B HALO,PAIR/4608		
NGC 4597		H636-2	Galaxy SB(rs)m	F,VL,BM
Jun 04 1981 12.5"	24mm	DIF,PF,PL,EDGE ON,F HALO,PAIR/4593		
NGC 4598		H105-3	Galaxy SB0	EF,L,R,VLBM
Mar 05 2021 36"	17mmT4	MF,ML,OVAL,SOFT LNUC,SHISB,F* JUST OFF GLXY,R=FG		
NGC 4599		H509-3	Galaxy SA0/a sp	VF,VS
Mar 05 2021 36"	17mmT4	MB,MS,EDGE ON-OVAL,BLNUC,MBM,SHISB,R=G		
NGC 4600		H577-2	Galaxy S0	F,S,R,2*8F
Mar 05 2021 36"	17mmT4	PB,ML,OVAL,BLNUC,MHISB,GRAN HALO,R=G		
NGC 4602		H184-2	Galaxy SAB(rs)bc	F,L,E,VGLBM
Jun 04 1981 12.5"	24mm	DIF,MF,PS,EDGE ON,F HALO,CLOSE COMP		
NGC 4606		H43-3	Galaxy SB(s)a:	VF,PS,E,20R3VS*INV
Mar 05 2021 36"	17mmT4	VB,VL,EL,BLNUC,HISB,2*OFF ONE SIDE,MB,GRAN,BKN PARTS?,PAIR=N4607,R=GE		
NGC 4607			Galaxy SBb? sp	F,ME,3OR4'F4606
Mar 05 2021 36"	17mmT4	MF,VL,EDGE ON,PATCH,UB,NND,PAIR=N4606,R=G		
NGC 4608		H69-2	Galaxy SB(r)0^	PB,PL,R,PSBM,R,*NP1'
Jun 04 1981 12.5"	24mm	DIF,MF,PS,DIM HALO,PAIR/4596		
NGC 4612		H20-2	Galaxy (R)SAB0^	PB,S,R,PSMBM
Mar 27 1982 12.5"	12mm	MB,ML,BNUC,F* TO N,VMBM,B HALO,OVAL		
Jun 04 1981 12.5"	16mm	PF,PS,BNUC,F HALO,BY 12 MAG *,PAIR/4623		
Jun 04 1981 12.5"	24mm	PB,PL,BNUC,B HALO,PAIR/4660		
NGC 4621	M59		Galaxy E5	B,PL,LE,VSVMBM,2*P
Apr 11 2015 36"	17mmT4	VB,PL,OVAL,GMBM,MSNUC,OVAL MHISB PATCH SUR NUC AREA,R=G		
May 09 2010 31"	17mmT4	PB,PL,EL-OVAL,BSNUC,SBM,HISB CNTR,R=G		
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
Jun 10 1980 6"	24mm			
NGC 4623		H149-2	Galaxy SB0+: sp	CF,PL,E,PSLBM,R

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NGC 4623 Jun 04 1981 12.5" 24mm	H149-2 DIF,EF,ES,F HALO,PAIR/4612	Galaxy SB0+: sp	CF,PL,E,PSLBM,R
NGC 4626 Mar 05 2021 36" 17mmT4	H772-2 MB,ML,EL,EDGE ON,UB,NND,PAIR=N4628,R=F	Galaxy SB(s)bc: sp	VF,CS,LE,GLBM
NGC 4628 Mar 05 2021 36" 17mmT4	H773-2 MB,ML,EL,EDGE ON,BLNUC,SHISB,VF*OFF NUC,PAIR=N4626,R=FG	Galaxy SA(s)b: sp	CF,S,E,GBM
NGC 4630 Mar 05 2021 36" 17mmT4	H532-2 MB,ML,OVAL,LNUC,GBM,SHISB CNTR,R=FG	Galaxy IB(s)m?	CF,S,R,LBM
NGC 4632 Mar 05 2021 36" 17mmT4	H14-1 VB,VL,EL,VLNUC,SHISB CNTR,GRAN,R=GE	Galaxy SAc	PB,L,E45
NGC 4636 Mar 27 1982 12.5" 12mm Jun 04 1981 12.5" 16mm	H38-2 DIF,MB,PS,BNUC,COMP SUSP N TIP,B* TO W,MHISB,MBM MB,ML,BNUC,DIM HALO	Galaxy E0-1	B,L,IR,VGVMBM,R
NGC 4637 Mar 27 1982 12.5" 12mm		Galaxy S0?	DNEB W/4638,()
NGC 4638 Mar 27 1982 12.5" 12mm Jun 04 1981 12.5" 24mm	H70-2 MF,PS,EL,BNUC,OVAL,VMBM DIF,MB,PL,BNUC,DIM HALO,PAIR/M60	Galaxy S0- sp	F,R,GBM
NGC 4639 Mar 27 1982 12.5" 12mm	H125-2 DIF,MB,PS,CLOSE TO 4654,R,SBM,F*N EDGE	Galaxy SAB(rs)bc	PB,S,E,R,*12SF1'
NGC 4642 Mar 27 1982 12.5" 12mm	H494-3 EDIF,VF,MS,SLT BM,OVAL,UB	Galaxy SAB(rs)bc p sp	VF,CS,E
NGC 4643 Mar 27 1982 12.5" 12mm Jun 04 1981 12.5" 24mm	H10-1 MB,MS,EL,BNUC,VMBM,HISB TOWARDS CNTR,B* OFF TO SIDE DIF,BNUC,DIM HALO	Galaxy SB(rs)0/a	CB,PS,LE,MBM
NGC 4647 May 09 2010 31" 17mmT4 Mar 22 2004 12.5" 12mmT4 Mar 27 1982 12.5" 12mm Mar 27 1981 12.5" 24mm	H44-3 MB,PL,PATCHY,BLNUC,CLOSE COMP=4649,PAIR=PGC42846,R=G MF,ML,OVAL,PATCH,UB,CLOSE PAIR=M60,VFSNUC,R=F	Galaxy SAB(rs)c	PF,PL,LE115,NPOFDNEB
NGC 4649 Apr 11 2015 36" 17mmT4 May 09 2010 31" 17mmT4 Mar 19 2004 12.5" 12mmT4 Mar 27 1982 12.5" 12mm	M60 EB,VL,L SOFT BNUC,HISB MID,L OVAL PATCH,CLOSE COMP,R=G VB,VL,OVAL,BLNUC,NUC ALM UB,SBM,HISB CNTR,CLOSE COMP=4647,PAIR=PGC42846,R=E MESSIER MARATHON 2004 MF,PS,EL,BNUC,LOC IN BARREN * FIELD,PAIR/4638	Galaxy E2	VB,PL,R,FOF DNEB

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NGC 4649	M60	Galaxy E2	VB,PL,R,FOF DNEB
Jun 04 1981 12.5"	24mm	PB,PL,BNUC,B HALO,PAIR/4638	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jun 10 1980 6"	24mm		
NGC 4653		H662-3 Galaxy SAB(rs)cd	VF,PL
Mar 27 1982 12.5"	12mm	DIF,V EDGE ON,DBL * CLOSE BY,B CNTR,*NUC,DUST SUSP,CLOSE COMP?	
NGC 4654		H126-2 Galaxy SAB(rs)cd	F,VL,PME,(D),3*NR
Mar 27 1982 12.5"	12mm	DIF,MB,PL,2F*S TO N,B* TO W,*NUC,OVAL,UB,MHISB	
NGC 4658		H558-2 Galaxy SB(s)bc	VF,L,E,*16ATT,*9P
Mar 27 1982 12.5"	12mm	VDIF,VF,MS,F*N EDGE,B* CLOSE BY,OVAL,PATCHY,NND,UB,PAIR/4663	
NGC 4660		H71-2 Galaxy E:	VB,S,VSVMBMN
Jun 04 1981 12.5"	24mm	PF,PS,DNUC,DIM HALO,PAIR/M59	
NGC 4663		Galaxy SB(s)0^?	VF,S,*13,14F
Mar 27 1982 12.5"	12mm	VF,PS,FNUC,F*NW 1 GLXY DIA,R,SBM,PAIR/4658	
NGC 4664		H39-2 Non-Existent	PB,2S*IN M,(=4665)
Mar 27 1982 12.5"	12mm	MB,MS,BNUC,F* TOWARDS S TIP,B* TO W,VMBM,OVAL	
NGC 4665		H142-1 Galaxy SB(s)0/a	B,PL,IR,MBM,*10SP
Mar 05 2021 36"	17mmT4	VB,EL-OVAL,BLNUC,MHISB,B BAR IN NUC,GRAN AREAS,VMBM,HISB CNTR,* IN ARM,R=E	
NGC 4666		H15-1 Galaxy SABc:	B,VL,ME45,PSBM
Mar 05 2021 36"	17mmT4	VB,EL,EL,EDGE ON,BLNUC,HISB CNTR,GRAN ARMS,SMWHT TAPERED ENDS,PAIR=4668,R=GE	
Mar 27 1982 12.5"	12mm	DIF,MF,PL,EDGE ON,FNUC,*NUC,SBM,TAPERED ENDS	
NGC 4668		H663-3 Galaxy SB(s)d:	VF,S,IF
Mar 05 2021 36"	17mmT4	MF,MS,OVAL,UB,NND,PAIR=N4666,R=F	
NGC 4671		H774-2 Galaxy E+ pec:	PF,S,R,PSMBM
Mar 27 1982 12.5"	12mm	DIF,VF,VS,FNUC,FORMS TRI OF F*S,R,SBM	
NGC 4680		Galaxy Pec	EF,S,1OR2*INV
Mar 27 1982 12.5"	12mm	VDIF,MF,PS,HISB,F* IN GLXY,NND,OVAL	
NGC 4682		H523-3 Galaxy SAB(s)cd	CF,L,E45,GVLBM
Mar 09 2021 36"	17mmT4	MF,VL,OVAL,UB,NND,SHISB,* CLOSE BY,R=FG	
NGC 4684		H181-2 Galaxy SB(r)0+	B,PL,PME25
Mar 27 1982 12.5"	12mm	MB,PS,EL,BNUC,F* OFF TIP,GMBM	
NGC 4688		H543-3 Galaxy SB(s)cd	EF,PL,*9,10P10S
Mar 09 2021 36"	17mmT4	VF,PL,OVAL,UB,NND,R=F	

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NGC 4690 Feb 27 1982 12.5" 12mm	H664-3 MARS TOO CLOSE, CANNOT SEE GLXY	Galaxy (R')SA0-?	VF,S
NGC 4691 Mar 27 1982 12.5" 12mm	H182-2 MF,MS,EL,B BAR WITH DIF HALO,NND,HISB ALONG EQ PLANE	Galaxy (R)SB(s)0/a pec	PB,PL,E90,MBM
NGC 4694 Mar 09 2021 36" 17mmT4	H72-2 VB,PL,EL-OVAL,BLNUC,MHISB,HISB CNTR,GRAN HALO,R=G	Galaxy SB0 pec	PF,S,VLE
NGC 4697 Mar 27 1982 12.5" 12mm	H39-1 MB,ML,EL-OVAL,F* TO W,GMBM,TAPERED ENDS	Galaxy E6	VB,L,LE45,SMBMN
NGC 4698 Mar 27 1982 12.5" 12mm	H6-3 MF,MS,DNUC,DIF HALO,SBM,R,BET 2F*S	Galaxy SA(s)ab	CB,PL,IR,BM,R
NGC 4699 Mar 27 1982 12.5" 12mm	H129-1 MB,MS,BNUC,R,SBM,F*S SVRL GLXY DIA	Galaxy SAB(rs)b	VB,R,VMBMRN,R
NGC 4700 Mar 27 1982 12.5" 12mm	H524-3 DIF,MF,PL,EDGE ON,B* TO W,NND,UB	Galaxy SB(s)c? sp	F,L,ME40,VLBM,B*P
NGC 4701 Mar 27 1982 12.5" 12mm	H578-2 VDIF,VF,MS,R-PATCHY,NND,SBM	Galaxy SA(s)cd	F,S
NGC 4703 Mar 27 1982 12.5" 12mm	H514-3 EDIF,VF,VS,EL,*NUC SUSP,NO *S	Galaxy Sb sp	EF,CS,PME
NGC 4705 Mar 27 1982 12.5" 12mm	H610-3 EDIF,VF,MS,EL,UB,NND	Galaxy SAB(s)bc: sp	CF,PL,LE
NGC 4708 Mar 09 2021 36" 17mmT4	H722-3 MB,ML,EL-OVAL,UB,NND,SHISB,R=FG	Galaxy SA(r)ab pec?	EF,S
NGC 4713 Mar 09 2021 36" 17mmT4	H140-1 MB,PL,OVAL,UB,NND,SHISB,LOOKS LIKE LTL M1 CRAB NEB,SOME GRAN,R=G	Galaxy SAB(rs)d	PB,L,VLE,GLBM
NGC 4720 Mar 09 2021 36" 17mmT4	H611-3 MF,MS,EL-OVAL,BLNUC,MHISB,R=F	Galaxy E/S0	EF,S,BM
NGC 4731 Mar 09 2021 36" 17mmT4	H41-1 MF,PL,EDGE ON,UB,NND,SHISB,CANNOT DET CURLS AT ENDS,* OFF NUC AREA,MHISB ALONG DUST LANE,R=FG	Galaxy SB(s)cd	VF,PL,E
NGC 4733 Mar 09 2021 36" 17mmT4	H73-2 VB,VL,R,BVLNUC,MHISB,* OUTER HALO,VMBM,GRAN,HISB CNTR,R=G	Galaxy E+:	CF,PL,LE,R,*12P
NGC 4739	H515-3	Galaxy E+ pec:	F,PL,LE,PGLBM

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NGC 4739 Mar 09 2021 36" 17mmT4	H515-3 MB,ML,R,BLNUC,SHISB,VF HALO,GMGM,R=FG	Galaxy E+ pec:	F,PL,LE,PGLBM
NGC 4742 Mar 22 2004 12.5" 12mmT4	H133-1 MF,PS,R,BSNUC,SHISB,HISB CNTR,GMBM,R=G	Galaxy E4:	PB,VS,VBMN=*11,*10SF
NGC 4753 Feb 12 1983 12.5" 16mm	H16-1 MB,ML,ELDNUC,SMB,*NUC	Galaxy I0	CB,L,VLE,VGLBM
NGC 4754 Feb 12 1983 12.5" 16mm	H25-1 MF,MS,SBM,R,PAIR/4762	Galaxy SB(r)0-:	B,PL,R,PSBM,P OF 2
NGC 4757 Mar 22 2004 12.5" 12mmT4	Galaxy S0 sp VF,VS,EL,PATCH,UB,NND,PAIRS=4760/4766,R=P		VF
NGC 4759 May 18 2007 31" 17mmT4	H559-2 PB,ML,R,BSNUC,CLOSE COMP=4778,HISB,E HICKSON GRP,R=G	Galaxy S0^ pec	PL,D,*10SP2'
NGC 4760 Mar 22 2004 12.5" 12mmT4	Galaxy E0? MF,MS,R,BLNUC,HISB CNTR,PAIRS=4766/4757,R=G		PB,R
NGC 4761 May 18 2007 31" 17mmT4	Galaxy E+ MB,MS,R,BSNUC,GRAD BM,E HICKSON GRP,R=G		EF,ES,1'F DNEB4759
NGC 4762 Feb 12 1983 12.5" 16mm	H75-2 MB,MS,3B*S OFF TO A SIDE,APPEARS LIKE M104,PAIR/4754	Galaxy SB(r)0^? sp	PB,VME31,3B*S,F OF 2
NGC 4764 May 18 2007 31" 17mmT4	Galaxy S? PF,PS,PATCH,UB,NND,E HICKSON GRP,R=P		EF,ES,SF DNEB 4759
NGC 4765 Mar 09 2021 36" 17mmT4	H544-3 MB,MS,OVAL-R,UB,NND,MHISB,R=G	Galaxy S0/a?	F,CS,R,GBM
NGC 4766 Mar 22 2004 12.5" 12mmT4	Galaxy S0 sp VF,VS,EL,PATCH,UB,NND,PAIRS=4760/4757,R=P		VF
NGC 4770 Mar 09 2021 36" 17mmT4	H525-3 MB,MS,EL,BLNUC,SBM,R=FG	Galaxy S0/a:	VF,VS
NGC 4771 Mar 09 2021 36" 17mmT4	H535-2 PB,ML,EL-EDGE ON,UB,NND,MHISB,SLT CNTR BULGE,R=G	Galaxy SAd? sp	F,PL,ME,*9P90DEG
NGC 4772 Mar 09 2021 36" 17mmT4	H24-2 MB,MS,OVAL-R,BLNUC,MHISB,HISB CNTR,R=G	Galaxy SA(s)a	PF,PS,R,MBM
NGC 4773 Mar 09 2021 36" 17mmT4	H516-3 MF,MS,EL,BLNUC,MHISB,TOUCH=PGC43811,R=FG	Galaxy E+ pec:	VF,S

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NGC 4775		H186-2	Galaxy SA(s)d	F,CL,R,VGLBM,R
Mar 09 2021 36"	17mmT4	MB,ML,OVAL-R,UB,NND,SPR STR SUSP,FACE ON,GRAN ARMS,R=G		
NGC 4777		H517-3	Galaxy (R)SAB(s)a:	VF,S
Mar 09 2021 36"	17mmT4	MF,PS,OVAL,FSNUC,R=F		
NGC 4778			Galaxy S0+ sp	VF,S,R,VLBM,F OFDNEB
May 18 2007 31"	17mmT4	PB,ML,R,BSNUC,CLOSE COMP=4759,HISB,E HICKSON GRP,R=G		
NGC 4779		H106-3	Galaxy SB(rs)bc	VF,PL,R,R
Mar 09 2021 36"	17mmT4	MB,MS,EL-OVAL,FSNUC,GBM,EL NUC,BAR?,R=FG		
NGC 4780			Galaxy SAB(rs)c	VF,F4773,77
Mar 09 2021 36"	17mmT4	MB,MS,OVAL,UB,NND,* IN GLXY,R=F		
NGC 4781		H134-1	Galaxy SB(rs)d	CB,VL,ME
Apr 02 2021 36"	17mmT4	PB,VL,PATCH,SHISB,B PATCHY AREAS,BKN PARTS, * IN EDGE,PAIR=N4784,R=E		
Feb 12 1983 12.5"	24mm	DIF,MF,ML,3 OR 4 F*'S GOING OFF TO THE W,NND,UB,OVAL		
NGC 4784		H526-3	Galaxy S0 sp	EF,ES
Apr 02 2021 36"	17mmT4	PB,MS,EL,BLNUC,HISB CNTR,NUC WELL DEF,PAIR=N4781,R=FG		
NGC 4786		H187-2	Galaxy E+ pec	PB,PS,MBM,RESOLVABLE
Apr 02 2021 36"	17mmT4	VB,ML,OVAL,BLNUC,MHISB,GRAN,GLOB CL LIKE,HISB CNTR,R=G		
NGC 4790		H560-2	Galaxy SB(rs)c:?	PF,PS,IR
Apr 02 2021 36"	17mmT4	PB,VL,OVAL,VFSNUC,MHISB,GRAN,PATCHY,R=GE		
NGC 4791			Galaxy S	EF,VS,LE,VLBM
Apr 02 2021 36"	17mmT4	MB,MS,EL,UB,NND,SHISB,PAIR=N4795,R=F		
NGC 4795		H21-2	Galaxy (R')SB(r)a pec:	PB,PL,R,BM,R
Apr 02 2021 36"	17mmT4	VB,PS,OVAL,BCNUC,* OFF EDGE TOUCH,HISB CNTR,PAIR=N4791,R=G		
NGC 4799		H548-3	Galaxy S?	CF,S,VS*ATT
Apr 02 2021 36"	17mmT4	PB,MS,EL-EDGE ON,BNUC,* JUST OFF NUC, BET EQ RGN,HISB CNTR,R=FG		
NGC 4803			Galaxy Compact	EF,ES,R,LBM
Apr 02 2021 36"	17mmT4	PB,VS,OVAL,BLNUC,* CLOSE BY,HISB CNTR,R=FG		
NGC 4808		H141-1	Galaxy SA(s)cd:	PB,CL,E135
Apr 02 2021 36"	17mmT4	PB,PL,EL,PATCH,UB,NND,MHISB,TAPERED ENDS,* OFF TIP,R=G		
NGC 4809			Galaxy Im pec	F,DNEB W/4810
May 18 2007 31"	17mmT4	MF,MS,EDGE ON,UB,NND,CLOSE COMP=4810,R=F		
NGC 4810			Galaxy Im pec	F,DNEB W/4809

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NGC 4810		Galaxy Im pec	F,DNEB W/4809
May 18 2007 31"	17mmT4	MF,PS,OVAL,UB,NND,CLOSE COMP=4809,R=F	
NGC 4813		H777-2 Galaxy S0^	F,S,R,BM
Apr 02 2021 36"	17mmT4	MB,PS,EL,BSNUC,TAPERED ENDS,R=FG	
NGC 4818		H549-2 Galaxy SAB(rs)ab pec:	PB,L,PME0,GBM
Apr 02 2021 36"	17mmT4	PB,PL,OVAL,MHISB,SMWHT GRAN,VS *NUC,F* OFF TIP,R=G	
NGC 4820		Galaxy S0 sp	VS,SP OF4825
Apr 02 2021 36"	17mmT4	MB,MS,EL,FLNUC,SHISB,PAIRS=N4825/4829,R=F	
NGC 4825		H563-2 Galaxy SA0-	PB,IF,BM
Apr 02 2021 36"	17mmT4	PB,ML,OVAL,BLNUC,GRAN MHISB,HISB CNTR PAIRS=N4820/N4829,R=FG	
NGC 4829		Galaxy S0/a	VS,SF4825
Apr 02 2021 36"	17mmT4	VF,PS,EL,BN,NND,LISTED 17,4 MAG?,DIRECT VISION,NO AV,PAIRS=/N4825/N4820,R=P	
NGC 4843		H613-3 Galaxy SA(r)0/a?	CF,E,ER,*SF30"
Apr 02 2021 36"	17mmT4	MB,ML,EDGE ON,FSNUC,SHISB,* OFF TIP/EDGE,R=FG	
NGC 4845		H536-2 Galaxy SA(s)ab sp	PF,PL,PME,VGBM,*NF
Feb 12 1983 12.5"	16mm	DIF,MF,MS,EL,BET 2F*S,UB,NND	
NGC 4856		H68-1 Galaxy SB(s)0/a	B,R,PSMBM,*13NP
Feb 12 1983 12.5"	16mm	MB,PS,BNUC,R,BM,VF* ON N EDGE	
NGC 4866		H162-1 Galaxy SA(r)0+: sp	B,PL,ME90,SBMN,S*INV
Apr 10 2023 36"	17mmT4	VF,VL,EDGE ON,LBNUC,HISB,,TAPERED ENDS,* IN E EDGE,VHISB CORE,MHISB ARMS,GRAN,R=E	
Feb 12 1983 12.5"	16mm	DIF,MF,PS,EDGE ON,FS*NUC,F* IN W TIP,SLT TAPERED	
NGC 4877		H299-2 Galaxy SA(s)ab:	PB,PL,MBM
Apr 02 2021 36"	17mmT4	PB,ML,EL,LVNUC,MHISB CNTR,R=FG	
NGC 4878		H758-3 Galaxy SB(r)0+	VF,VS,P OF 2
Apr 02 2021 36"	17mmT4	MB,PS,OVAL,BLNUC,MHISB CNTR,PAIRS=N4888/N4879,R=FG	
NGC 4879		H759-3 Galaxy S	VF,VS,F OF 2
Apr 02 2021 36"	17mmT4	INTRACT WITH N4888,BEHIND OR IN N4888,CANNOT SEP THE TWO,R=P	
NGC 4880		H83-3 Galaxy SA(r)0+:	CF,PL,R,VGLBM,R
Mar 22 2004 12.5"	12mmT4	MF,MS,OVAL,PATCH,VFLNUC,SBM,R=F	
NGC 4887		Galaxy SA0+ pec?	VF,4902NF
Mar 22 2004 12.5"	12mmT4	VF,PS,OVAL-R,PATCH,UB,PAIR=4902,R=P	
NGC 4888		H778-2 Galaxy Sab	PF,CS,E,PSBM,**NP

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NGC 4888		H778-2	Galaxy Sab	PF,CS,E,PSBM,**NP
Apr 02 2021	36"	17mmT4	MB,MS,EL,MHISB,BEQ RGN,SMWHT BM,PAIR=N4878,ON TOP OF FTR N4879,CANNOT SEP,R=FG	
NGC 4890		H614-3	Galaxy Sm	CF,S,IR,BM
Mar 22 2004	12.5"	12mmT4	PF,MS,OVAL,PATCH,NND,SMWHT BM,PAIRS=4915/4918,R=F	
NGC 4899		H300-2	Galaxy SAB(rs)c:	PF,EL
Apr 02 2021	36"	17mmT4	MB,VL,PATCH,NND,CHUNKY,PATCHY,SHISB,R=FG	
NGC 4900		H143-1	Galaxy SB(rs)c	CB,CE,*10ATT POS135
Feb 12 1983	12.5"	16mm	MB,ML,F* IN E EDGE,MHISB,UB,OVAL	
NGC 4902		H69-1	Galaxy SB(r)b	PB,PL,IR,ST NR
Mar 22 2004	12.5"	12mmT4	MB,PL,OVAL,FLNUC,SHISB,PAIR=4887,R=G	
NGC 4904		H517-2	Galaxy SB(s)cd	PB,PS,R,BM
Mar 22 2004	12.5"	12mmT4	PF,MS,OVAL,PATCH,FLNUC,SBM,R=F	
NGC 4915		H47-4	Galaxy E0	PB,S,R,BM
Mar 22 2004	12.5"	12mmT4	PB,PS,R,BSNUC,HISB CNTR,PAIRS=4918/4890,R=G	
NGC 4918			Galaxy SA0+?	EF,ES,R,BMN,4915SP4'
Mar 22 2004	12.5"	12mmT4	VDIF,VF,VS,PATCH,UB,NND,PAIRS=4915/4890,R=P	
NGC 4925		H779-2	Galaxy S0	CF,S
May 05 2021	36"	17mmT4	MF,MS,R,BLNUC,SBM,R=FG	
NGC 4928		H190-2	Galaxy SA(s)bc pec	F,PS,VLE,GLBM
Mar 22 2004	12.5"	12mmT4	MF,MS,R,UB,SHISB,R=F	
NGC 4933A		H191-2	Galaxy S0/a pec	PB,PL,IR
May 05 2021	36"	17mmT4	PB,PL,EL-OVAL,BLNUC,SHISB,INTRACT=N4933B,R=G	
May 18 2007	31"	17mmT4	PB,PL,EL,BLNUC,FARMS,PATCHY AREAS,TOUCH,HISB CNTR,CLOSE COMP=4933B,R=G	
NGC 4933B			Galaxy E pec	
May 05 2021	36"	17mmT4	MB,ML,EL-OVAL,SBMUC,SHISB,INTRACT=N4933A,R=G	
May 18 2007	31"	17mmT4	MB,ML,EL,BLNUC,PATCHY AREAS,ARMS,TOUCH,HISB CNTR,CLOSE COMP=4933A,R=G	
NGC 4933C			Galaxy Sd	
May 18 2007	31"	17mmT4	NO FIND,LOC GOOD,PAIRS=4933A&B	
NGC 4939		H561-2	Galaxy SA(s)bc	PB,L,R,GMBM
Mar 22 2004	12.5"	12mmT4	MF,MS,PATCH,FLNUC,SBM,R=F	
NGC 4941		H40-1	Galaxy (R)SAB(r)ab:	PF,L,E,GMBM,R
Mar 22 2004	12.5"	12mmT4	MF,MS,OVAL-R,BSNUC,HISB CNTR,GMBM,R=G	

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NGC 4942 May 05 2021 36" 17mmT4	H761-3 PF,ML,PATCH,UB,NND,R=F	Galaxy SAB(s)d:	VF,S
NGC 4951 May 05 2021 36" 17mmT4	H188-2 MB,PL,OVAL,LNUC,MHISB CNTR,R=FG	Galaxy SAB(rs)cd:	F,PL,LE,R
NGC 4958 Feb 12 1983 12.5" 16mm	H130-1 MF,PS,BNUC,F* OFF TO W,TAPERED,SBM	Galaxy SB(r)0? sp	VB,PS,E,BMBN
NGC 4981 Mar 22 2004 12.5" 12mmT4	H189-2 MF,ML,BSNUC,B* ON EDGE,HISB CNTR,GMBM,R=G	Galaxy SAB(r)bc	B,PL,R,*10SF1'
NGC 4984 Mar 22 2004 12.5" 12mmT4	H301-2 MB,ML,R,BLNUC,SHISB,HISB CNTR,GMBM,R=G	Galaxy (R)SAB(rs)0+	B,PL,R,PSMBM
NGC 4989 May 05 2021 36" 17mmT4	H185-2 PB,ML,EDGE-ON,BLNUC,SHISB,MBM,MHISB CNTR,R=FG	Galaxy S0^:	PB,S,R,*4SF
NGC 4990 May 05 2021 36" 17mmT4	H42-1 MB,ML,MHISB,UB,NND,PATCHY	Galaxy S0 pec?	VF,VS
NGC 4995 Feb 12 1983 12.5" 16mm	H537-2 MF,MS,OVAL,PATCH,NND,LOCATED IN BARRON FOV,VF* IN GLXY,SMWHT BM,R=F	Galaxy SAB(rs)b	PB,PL,R,VGPMBM,*8NP
NGC 4999 Mar 22 2004 12.5" 12mmT4	H637-2 PB,ML,OVAL,BLNUC,F* FOO EDGE,BAR DET,R=G	Galaxy SB(r)b	CF,PL,R,LBM,ER
NGC 5015 May 05 2021 36" 17mmT4	H669-3 MB,MS,OVAL,BLNUC,MBM,SHISB,HISB CNTR,R=FG	Galaxy (R)SB(r)a:	F,CL,IR,LBM
NGC 5017 May 05 2021 36" 17mmT4	H746-2 PB,ML,OVAL,BLNUC,SHISB,HISB CNTR,GMBM,PAIR=5022,R=G	Galaxy E+?	VF,R,BM
NGC 5018 Mar 22 2004 12.5" 12mmT4	H545-3 MB,ML,OVAL,PATCH,UB,NND,R=F	Galaxy E3:	CB,S,R,MBMPBN
NGC 5019 May 05 2021 36" 17mmT4	H129-2 VF,ML,OVAL-R,VF SNUC OR * NUC,R=F	Galaxy SB?	EF,VS,R,ER
NGC 5020 Mar 22 2004 12.5" 12mmT4	H5022 PF,PS,PATCH,UB,NND,PAIR=5018,R=P	Galaxy SAB(rs)bc	CF,CL,VLE,LBM
NGC 5022 Mar 22 2004 12.5" 12mmT4	H5030 VDIF,VF,VS,PATCH,UB,NND,R=P	Galaxy SBb pec sp	VF,PL,E30,GBM,F5018
NGC 5030 Mar 22 2004 12.5" 12mmT4		Galaxy SB(r)0+?	VF,S

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NGC 5035		Galaxy SAB(r)0+	F,S,R,BMN
May 09 2010 31"	17mmT4	MF,MS,OVAL,FLNUC,MANY OTHERS,R=F	
Mar 22 2004 12.5"	12mmT4	VF,PS,PATCH,UB,NND,PAIR=5044 AND OTHERS,R=P	
NGC 5037		H510-2 Galaxy SA(s)a:	CF,PS,VLE,BM
May 09 2010 31"	17mmT4	MB,ML,EL-EDGE ON,FLNUC,F* OFF TIP,ANOTHER VF* OPPOSITE TIP,MANY OTHERS,R=G	
Mar 22 2004 12.5"	12mmT4	MF,MS,EL,FSNUC,F* IN TIP,SBM,PAIR=5044 AND OTHERS,R=F	
NGC 5044		H511-2 Galaxy E0	PB,PL,R,BM
May 09 2010 31"	17mmT4	MB,ML,OVAL,FVLNUC,S HALO SUR NUC,SBM,NUC UB,SHISB CNTR,MANY OTHERS,R=G	
Mar 22 2004 12.5"	12mmT4	MB,ML,OVAL,PATCH,FLNUC,SHISB CNTR,PAIR=OTHERS,R=G	
NGC 5046		Galaxy E?	F,VS,R,STELL NUCL
May 09 2010 31"	17mmT4	MF,PS,EL,FSNUC,MANY OTHERS,R=F	
Mar 22 2004 12.5"	12mmT4	DIF,VF,PS,PATCH,UB,NND,PAIR=5044 AND OTHERS,R=P	
NGC 5047		H670-3 Galaxy S0 sp	VF
May 09 2010 31"	17mmT4	MF,MS,EDGE ON,UB,NND,SLT CNTR BULGE,MANY OTHERS,R=F	
Mar 22 2004 12.5"	12mmT4	MF,MS,EL,PATCH,SBM,PAIR=5044 AND OTHERS,R=F	
NGC 5049		H512-2 Galaxy S0 sp	CF,S
May 09 2010 31"	17mmT4	MF,PS,BLNUC,RECT SHAPE,SUDLY BM,MANY OTHERS,R=F	
Mar 22 2004 12.5"	12mmT4	MF,MS,FSNUC,SHISB CNTR,PAIR=5044 AND OTHERS,R=F	
NGC 5054		H513-2 Galaxy SA(s)bc	F,PS,IR
Feb 12 1983 12.5"	24mm	EDIF,EF,VL,PATCH-OVAL,UB,NND	
NGC 5068		H312-2 Galaxy SAB(rs)cd	F,L,IR,BM
Apr 26 2006 31"	17mmT4	DIF,MF,PL,PATCH,NND,H2 RGN FROM NUC,PATCHY ARMS,L AREA OF F HALO,R=F	
NGC 5073		H282-3 Galaxy SB(s)c? sp	VF,PL,PME135
May 30 2014 36"	17mmT4	MB,ML,EDGE ON,UB,NND,PA~130,R=FG	
NGC 5076		H117-3 Galaxy SB(rs)0+	VF,CS,R,1ST OF 3
Apr 26 2006 31"	17mmT4	MF,MS,R,BNUC,MHISB CNTR,PAIRS=5079/5077/MAC,R=G	
NGC 5077		H193-2 Galaxy E3-4	PB,S,VLE,SBM,2ND OF 3
Apr 26 2006 31"	17mmT4	VB,MS,R,BLNUC,HISB,COMP=MAC,BM,F* OFF NUC,PAIRS=5079/5076/MAC,R=G	
NGC 5079		H118-3 Galaxy SB(rs)bc pec:	CF,PS,VLE,3RD OF 3
Apr 26 2006 31"	17mmT4	DIF,PF,PL,OVAL,PATCH,UB,NND,PAIRS=5077/5076/MAC,R=G	
NGC 5084		H313-2 Galaxy S0 sp	CB,CS,VLE90,BF
Apr 26 2006 31"	17mmT4	MB,ML,EDGE ON,BLNUC,TAPERED ENDS,MHISB MID,CNTR BULGE,PAIR=PGC46489,R=E	
NGC 5087		H724-3 Galaxy SA0:	CF,VS,IF
Apr 26 2006 31"	17mmT4	PB,ML,EL-OVAL,BLNUC,HISB CNTR,R=G	

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NGC 5094 May 05 2021 36"	17mmT4	H539-3 MB,ML,OVAL,BLNUC,GMBM,MHISB CNTR,PAIR=PGC46565,R=FG	Galaxy E	CF,VS,R,GBM
NGC 5100 May 05 2021 36"	17mmT4	H22-2 MB,MS,OVAL,BLNUC,MHISB,R=FG	Galaxy Sc	VF,VS,LBM
NGC 5111 May 05 2021 36"	17mmT4	H119-3 PB,ML,OVAL-R,BLNUC,MHISB,GRAN CNTR RGN,R=G	Galaxy S0	CF,CS,IR,GLBM
NGC 5118 May 05 2021 36"	17mmT4	H925-3 MB,ML,PATCH,UB,NND,PAIR=PGC46795,R=F	Galaxy Scd:	VF,S,R,GBM
NGC 5122 Apr 26 2003 12.5"	9mmT6	H925-3 PF,MS,EL,FNUC,F* CLOSE BY,R=F	Galaxy Sc	VF,S,R
NGC 5129 Apr 26 2006 31"	17mmT4	H653-2 MB,MS,OVAL,BLNUC,MHISB CNTR,PAIRS=PGC'S,R=G	Galaxy E	PB,VS,R,GMBM,**F
NGC 5132 Apr 26 2006 31"	17mmT4	H653-2 MF,MS,OVAL,FLNUC,PAIR=5137,R=G	Galaxy (R)SB(r)0+:	VF,RESOLVABLE
NGC 5134 Apr 26 2006 31"	17mmT4	H314-2 MB,MS,EL,BLNUC,SHISB CNTR,R=G	Galaxy SA(s)b?	F,PS,LE,VGBM
NGC 5136 May 05 2021 36"	17mmT4	H84-3 MF,PS,OVAL,FSNUC,SLT BM,R=F	Galaxy	EF,VS,R,PSBM
NGC 5137 Apr 26 2006 31"	17mmT4	H84-3 VF,MS,OVAL,PATCH,UB,NND,ONE OF THE WORST NGC'S,PAIR=5132,R=F	Galaxy	EEF,PL,V DIFFIC
NGC 5146 Mar 21 2020 36"	17mmT4	H115-3 PB,ML,OVAL,BLNUC,MHISB CNTR,R=G	Galaxy E/S0	VF,VS,STELLAR
NGC 5147 Mar 21 2020 36"	17mmT4	H25-2 PB,EL,R,NND,MHISB,SPR STR,FACE ON,B*OFF NUC,F* IN OUTER ARMS,R=E	Galaxy SB(s)dm	PB,PL,VLE,VSMBM*12
NGC 5170 May 31 2014 36"	17mmT4	H22-5 PB,PL,EDGE ON,BLNUC,PA~120,CNTR BULGE,TAPERED ENDS,HISB CNTR,R=G	Galaxy SA(s)c: sp	CF,L,ME129,PGBM
NGC 5171 Mar 16 2010 31"	17mmT4	H22-5 MB,MS,OVAL,BLNUC,VF* JUST OFF EDGE,PAIRS=NGC'S,NICE GRP,R=F	Galaxy S0-:	PB,L
NGC 5174 Mar 21 2020 36"	17mmT4	H45-3 MB,PL,OVAL,VBNUC,F* IN EDGE,SBM,PATCH,R=G	Galaxy Scd:	VF,PL,DW/5175
NGC 5176 Mar 16 2010 31"	17mmT4	H45-3 MF,MS,EL,VFSNUC,PAIRS=NGC'S,NICE GRP,R=F	Galaxy E	NO DESCRIPTION

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NGC 5177		Galaxy Sb	NO DESCRIPTION
Mar 16 2010 31"	17mmT4	PF,PS,EL,NND,PAIRS=NGC'S,NICE GRP,R=F	
NGC 5178		Galaxy S(r)0/a	VF
Mar 16 2010 31"	17mmT4	PF,MS,PATCH,FLNUC,VF* OFF NUC,V NICE GRP,R=F	
NGC 5179		Galaxy Sb	VF,*IN CENTRE
Mar 16 2010 31"	17mmT4	MF,MS,OVAL,BLNUC,PAIRS=NGC'S,NICE GRP,R=F	
NGC 5183		H679-2 Galaxy Sb pec	F,CS,LE,GBM,P OF 2
Mar 21 2020 36"	17mmT4	PB,ML,OVAL,LNUC,MHISB,E PAIR=5184,GMBM,R=E	
NGC 5184		H680-2 Galaxy SAB(r)c	PF,PL,IR,BM,F OF 2
Mar 21 2020 36"	17mmT4	MB,PL,OVAL,E PAIR=5183,F* IN OUTER EDGE,SHISB,R=GE	
NGC 5185		H642-3 Galaxy Sb	VF,S,IR
Mar 21 2020 36"	17mmT4	MF,ML,EL,EDGE ON,FNUC,CIGAR SHAPE,SBM,R=G	
NGC 5203		H507-3 Galaxy S0- sp	VF,CS,R,GBM,R
Mar 21 2020 36"	17mmT4	PB,MS,OVAL,BLNUC,MHISB,R=G	
NGC 5207		H643-3 Galaxy SAB(r)b	F,S,CE,*11ATT NP
Mar 21 2020 36"	17mmT4	MB,MS,OVAL,BLNUC,MHISB,B* OFF GLXY,R=G	
NGC 5208		H9-3 Galaxy S0	F,VS,R,PSBM,P OF 2
Mar 21 2020 36"	17mmT4	PB,ML,EL,BLNUC,MHISB,PAIRS=5209/5212,R=G	
NGC 5209		H10-3 Galaxy E	F,VS,R,STELLAR,F OF 2
Mar 21 2020 36"	17mmT4	PB,ML,OVAL,FLNUC,SHISB,PAIRS=5208/5212,R=G	
NGC 5210		H99-3 Galaxy Sa	F,S,R,PSBMN
Mar 21 2020 36"	17mmT4	MB,PL,OVAL,BLNUC,SOFT NUC,R=G	
NGC 5212		Galaxy	EF
Mar 21 2020 36"	17mmT4	PF,PS,PATCH,NND,PAIRS=5208/5209,R=PF	
NGC 5221		H86-3 Galaxy Sb:	VF,S,VLE,1ST OF 3
May 18 2007 31"	17mmT4	MB,ML,EL,EDGE ON,FSNUC,THICK NUC RGN,R=G	
NGC 5222		H85-3 Galaxy E	CF,S,R,BM,2ND OF 3
May 18 2007 31"	17mmT4	MB,MS,OVAL,BLNUC,CLOSE COMP=MAC,SHISB,F* OFF ONE SIDE,R=G	
NGC 5224		H926-3 Galaxy S	VF,S,*9NF(INV)
May 05 2021 36"	17mmT4	MB,VS,*NUC,BET 2 BFOV *S,R=F	
NGC 5226		Galaxy	EF,PS,5221SP
May 18 2007 31"	17mmT4	EF,VS,PATCH,UB,NND,AV FIRST THEN HOLDS,R=P	

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NGC 5227 May 05 2021 36"	17mmT4	H928-3 MF,MS,OVAL,FSNUC,2 VF*S OFF NUC,PATCHY,SHISB,R=F	Galaxy (R')SB(r)b	VF,S,R
NGC 5230 May 05 2021 36"	17mmT4	H87-3 MF,PL,OVAL,VFSNUC,PATCHY AREAS,ARMS?,SOME GRAN PATCHES,R=FG	Galaxy SA(s)c	F,L,E,VGBM,3RD OF 3
NGC 5235 May 05 2021 36"	17mmT4	H100-3 MB,MS,OVAL,UB,NND,SHISB,PAIR=PGC47983,PAIR=N5235,R=F	Galaxy SB	VF,PS,VLE,*9SP
NGC 5247 May 05 2021 36"	17mmT4	H297-2 MF,EL,PATCH,VLNUC,PATCHY AREAS,2 SPR ARMS DET,UB THROUGHTOUT,R=GE	Galaxy SA(s)bc	CF,VL,VG,PSMBMLN,
NGC 5252 May 05 2021 36"	17mmT4	H505-3 MB,MS,EL,BSNUC,MBM,SHISB CNTR,R=FG	Galaxy S0	VF,S,R,BM
NGC 5257 May 18 2007 31"	17mmT4	H895-2 VF,VL,OVAL-R,PATCH,UB,NND,HISB,BKN OR PATCHY OUTER EDGE,PAIR=5258,R=E	Galaxy SAB(s)b pec	VF,S,R,BM,P OF DNEB
NGC 5258 May 18 2007 31"	17mmT4	H896-2 VF,VL,EL,EON,UB,NND,HISB,VF* IN TIP,F WISP OF ARMS OUTER EDGE,HOOK SHAPE,R=E	Galaxy SA(s)b: pec	F,S,IR,F OF DNEB
NGC 5300 May 05 2021 36"	17mmT4	H533-2 PF,PL,PATCH,BU,NND,* IN EDGES OF ARM,PATCHY,SPR STR SUSP,R=FG	Galaxy SAB(r)c	VF,VL,LE,VGBM
NGC 5306 May 18 2007 31"	17mmT4	H306-2 VB,ML,VBLNUC,2 V CLOSE COMP=PGC'S OPPOSITE SIDES,MHISB CNTR,R=G	Galaxy S0 pec?	VF,VS,R,R
NGC 5324 May 05 2021 36"	17mmT4	H307-2 MF,ML,PATCHFNUC,SMWHT BM,SPR STR DET,2*S IN ARMS,R=G	Galaxy SA(rs)c:	CF,L,IR,BM
NGC 5327 May 05 2021 36"	17mmT4	H685-2 MF,ML,OVAL,NND,PATCHY AREAS,ARMS?,R=F	Galaxy SAB(rs)b:	F,PS,R,2ST P
NGC 5329 May 05 2021 36"	17mmT4	H549-3 PB,ML,OVAL-R,VBLNUC,GRAN HALO,MHISB CNTR,R=FG	Galaxy E:	F,VS,R,PSBM
NGC 5331A May 05 2021 36"	17mmT4	H929-3 MF,MS,OVAL,PATCH,UB,NND,INTRACT=PGC49266,CAN SEP,R=F	Galaxy Double System	VF,S,E0,RR
NGC 5334 May 05 2021 36"	17mmT4	H665-3 VF,PL,OVAL-R,NND,PATCHY,VF BAR LIKE THROUGH CNTR RGN,R=F	Galaxy SB(rs)c:	CF,VL,R,LBM,R
NGC 5343 May 05 2021 36"	17mmT4	H308-2 BF,ML,OVAL,BLNUC,MHISB,HISB CNTR,GRAN HALO,R=G	Galaxy SA(r)0-?	VF,S,R,LBM
NGC 5345 May 05 2021 36"	17mmT4	H686-2 PB,MS,PATCH,LNUC,MHISB,F* IN GLXY EDGE,GBM,HISB CNTR,R=FG	Galaxy SA(r)a pec:	F,S,R,BM

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NGC 5356		H506-3	Galaxy SABbc: sp	F,PL,VME17,R
May 05 2021 36"	17mmT4	MB,VL,EL-EDGE ON,UB,NND,SHISB,R=FG		
NGC 5363		H6-1	Galaxy I0?	B,PL,R,PSBM,*8NF
Feb 12 1983 12.5"	16mm	VB,ML,BNUC,R,BM,PAIR/5364		
NGC 5364		H534-2	Galaxy SA(rs)bc pec	CF,L,R,GBM
Feb 12 1983 12.5"	16mm	DIF,VF,VL,R-OVAL,UB,B* CLOSE BY,PAIR/5363		
NGC 5369		H285-3	Galaxy E	VF,VS,R
May 05 2021 36"	17mmT4	PB,MS,OVAL-R,BLNUC,MHISB,MBM,GRAN HALO,R=FG		
NGC 5374		H889-2	Galaxy SB(r)bc?	CF,PL,R,VGBM,*11NP
May 05 2021 36"	17mmT4	PB,ML,OVAL,FSNUC,MHISB,SPR STR SUSP,PATCHES,* OFF EDGE,R=G		
NGC 5382		H546-3	Galaxy S0	VF,VS,STEL,RESOLVABL
May 05 2021 36"	17mmT4	PB,ML,EL-OVAL,BLNUC,MHISB,HISB CNTR,PAIR=N5386,R=G		
NGC 5386		H547-3	Galaxy S0/a	VF,VS,BIN,STEL,RESOL
May 05 2021 36"	17mmT4	PB,MS,EL,FLNUC,MHISB,* OFF EDGE,SLT BM,PAIR=N5382,R=G		
NGC 5387			Galaxy Sbc: sp	VF,RAY,2'L
May 05 2021 36"	17mmT4	PF,ML,EDGE ON,UB,NND,R=F		
NGC 5392		H666-3	Galaxy S0+?	VF,CS,R,GBM
May 05 2021 36"	17mmT4	MB,PS,OVAL,FSNUC,SHISB,F* IN EDGE,GRADUALLY BM,R=FG		
NGC 5400		H667-3	Galaxy (R')S0-?	VF,CS
May 05 2021 36"	17mmT4	MB,MS,OVAL,FLNUC,SHISB CNTR,PAIRS=MAC/PGC/IC,R=F		
NGC 5426		H309-2	Galaxy SA(s)c pec	PF,CL,R,GMBM,SP OF 2
Apr 26 2006 31"	17mmT4	MF,MS,EL,FLNUC,PATCHY,IRR IN SHAPE,F HALO,PAIR=5427,R=G		
NGC 5427		H310-2	Galaxy SA(s)c pec	PF,CL,R,NF OF 2
Apr 26 2006 31"	17mmT4	PB,VL,R,FLNUC,F HALO,SPRIAL ARMS DET,PATCHY AREAS,MHISB MID,PAIR=5426,R=E		
NGC 5468		H286-3	Galaxy SAB(rs)cd	F,L,R,VGBM,*9SF4'
May 05 2021 36"	17mmT4	MF,VL,PATCH,VFNUC,NND,PATCHY,SPR ARMS DET,B FOV * CLOSE BY,PAIR=N5472,R=F		
NGC 5472			Galaxy SA(r)ab? sp	PF,VS,BET2VF*
May 05 2021 36"	17mmT4	MB,PS,EDGE ON,UB,NND,SHISB,* OFF NUC,PAIR=N5468,R=F		
NGC 5476		H287-3	Galaxy SAB(rs)dm?	F,PS,IR
May 05 2021 36"	17mmT4	MF,ML,OVAL,UB,NND,R=F		
NGC 5478		H762-3	Galaxy SAB(s)bc	VF,VS
May 05 2021 36"	17mmT4	MB,MS,EL,FLNUC,SHISB,R=F		

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NGC 5491 May 05 2021 36" 17mmT4	H890-2 MF,MS,OVAL,FLNUC,SHISB,F*	Galaxy S? OPPOSITE SIDES,PATCHY ARMS DET,R=FG	PB,PS,R,GBM,R
NGC 5493 Apr 26 2003 12.5" 9mmT6	H46-4 VB,MS,EL,BNUC,VHISB CNTR,VMBM,R=E	Galaxy S0 pec sp	PB,VS,R,PSMBM*,*18IN
NGC 5496 May 30 2014 36" 17mmT4		Galaxy Sd: sp MB,PL,EDGE ON,NND,SHISB,PA~180,F* IP,2VF*S OTHER TIP,S GRAN,R=G	PB,VL,E NS
NGC 5506 Apr 26 2003 12.5" 9mmT6	H687-2 MB,PL,EL TO EDGE ON,UB,NND,PAIR=5507,R=G	Galaxy Sa pec sp	PB,L,E20,LBM
NGC 5507 Apr 26 2003 12.5" 9mmT6	H49-4 PB,ML,EL,FNUC,SHISB,R SOFT NUC,GBM,PAIR=5506,R=G	Galaxy SAB(r)0^	CF,S,R,STELLAR
NGC 5549 May 05 2021 36" 17mmT4	H552-3 PB,ML,OVAL,BLNUC,SHISB,MHISB CNTR,R=G	Galaxy S0	VF,VS,R
NGC 5560 Apr 26 2003 12.5" 9mmT6	H579-2 DIF,PF,VL,EL,UB,PATCH,NND,PAIR/5566/5569,R=F	Galaxy SB(s)b pec	PF,CL,E,GBM
NGC 5566 Apr 26 2003 12.5" 9mmT6 Jun 11 1983 12.5" 20mm	H144-1 VB,PL,R,BNUC,VHISB,ARMS DET,LNUC,VMBM,PAIR/5560/5569,R=E MB,PL,EL,BNUC,B*SW 1 GLXY DIS,BLNUC,HISB TOWARDS MID,PAIR/5576	Galaxy SB(r)ab	B,PL,R,PSBM,R,*F1.5'
NGC 5569 Apr 26 2003 12.5" 9mmT6		Galaxy SAB(rs)cd: EDIF,EF,ML,PATCH,AV,COMES AND GOES,DIFF TO LOC,PAIRS=N5566/N5560,R=P	EF,PL,R
NGC 5574 Feb 22 2020 36" 17mmT4	H145-1 MB,ML,EL,FLNUC,SHISB,PAIR=N5576,R=GE	Galaxy SB0:-? sp	PF,PS,LE,P OF 2
NGC 5576 Feb 22 2020 36" 17mmT4 Jun 11 1983 12.5" 20mm	H146-1 VB,PL,R,BLNUC,VMBM,HISB,HISB CNTR,PAIR=N5574,R=E PB,ML,BNUC,CLOSE COMP TO W 1 GLXY DIA,F*N 1 GLXY DIA,R-OVAL,SBM,PAIR/5566	Galaxy E3	B,S,R,VSMBM,F OF 2
NGC 5599 May 05 2021 36" 17mmT4	H927-3 MF,MS,OVAL,NND,SHISB,TAPERED ENDS,R=F	Galaxy Sb	F,S,LE
NGC 5604 Mar 09 2021 36" 17mmT4	H668-3 MB,MS,EL-OVAL,UB,NND,MHISB,R=F	Galaxy Sa pec?	F,PS,R,VGBM*,R
NGC 5618 Mar 09 2021 36" 17mmT4	H763-3 PF,ML,PATCH,UB,NND,R=F	Galaxy SB(rs)c	EF,S
NGC 5634 Apr 11 2015 36" 17mmT4	H70-1 (Class III),PB,MS,SPEC FOV,BFOREGR * CLOSE BY,SVRL B*S SUR NUC,MHISB MID,RSLV CORE,LTL OR NO HALO,R=E	Globular IV	GCL,VB,CL,R,GBM,RRR

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NGC 5634 Jun 11 1983 12.5" 20mm	H70-1 VB,PL,BNUC,TRI OF B*S SUR OBJ,HISB,BM	Globular IV	GCL,VB,CL,R,GBM,RRR
NGC 5636 Apr 26 2003 12.5" 9mmT6	H580-2 EDIF,EF,ML,PATCH,UB,NND,PAIR=5638,R=P	Galaxy SAB(r)0+	EF,CL,R,NP OF 2
NGC 5638 Apr 26 2003 12.5" 9mmT6	H581-2 VB,ML,R,BNUC,MHISB,SOFT NUC,GBM,PAIR=5636,R=G	Galaxy E1	CB,PL,R,SF OF 2
NGC 5645 Mar 09 2021 36" 17mmT4	H150-2 MB,ML,EL-OVAL,BNUC,SHISB,EL NUC,BAR?,VF* IN EDGE,R=G	Galaxy SB(s)d	CF,PL,IR,GBM
NGC 5652 Mar 09 2021 36" 17mmT4	H891-2 MF,ML,PATCH,UB,NND,SHISB,VF* IN EDGE,R=FG	Galaxy SABbc	PB,PL,VLE,BM
NGC 5661 Mar 09 2021 36" 17mmT4	H892-2 PF,ML,EL-OVAL,NND,VF* IN EDGE,R=F	Galaxy SBb:	VF,PS,IE
NGC 5668 Apr 26 2006 31" 17mmT4	H574-2 PB,PL,R,UB,NND,SHISB,R=G	Galaxy SA(s)d	F,PS,VLE,*14INV
NGC 5674 Mar 09 2021 36" 17mmT4	H893-2 PF,MS,OVAL,BSNUC,SHISB,EL NUC RGN,BAR DET,R=F	Galaxy SABc	CF,PS,R,GBM
NGC 5679 May 18 2007 31" 17mmT4	H894-2 MF,PATCH,UB,SMWHT BM,PATCHY,INTRACT=5679A,R=F	Galaxy Sb	VF,S,R,*12ATT
NGC 5679A May 18 2007 31" 17mmT4		Galaxy Sc	
	VF,VS,PATCH,UB,NND,2VF*S EXIST CLOSE TGT BET THE 2,INTRACT=5679,R=P		
NGC 5690 Mar 09 2021 36" 17mmT4	H582-2 PB,PL,EDGE ON,NND,MHISB,B* CLOSE BY,VF*S BOTH TIPS,SLT TAPERED ENDS,GRAN,BKN EQ PLANE,R=GE	Galaxy Sc? sp	VF,ME138,F*ATT SF
NGC 5691 Mar 09 2021 36" 17mmT4	H681-2 PB,ML,OVAL,UB,NND,MHISB,PATCHY,R=G	Galaxy SAB(s)a: pec	PB,PS,LE,GBM
NGC 5701 Mar 09 2021 36" 17mmT4	H575-2 VB,ML,OVAL,BLNUC,MHISB,HISB CNTR,GRAN HALO,R=GE	Galaxy (R)SB(rs)0/a	CB,PS,R,MBM,*11P15S
NGC 5713 Mar 09 2021 36" 17mmT4	H182-1 VB,PL,OVAL,BNUC,HISB,FACE ON,GRAN HALO ARMS,HISB ,EL NUC,BAR DET,R=GE	Galaxy SAB(rs)bc pec	CB,PL,R,PSMBM,R
NGC 5718 May 18 2007 31" 17mmT4	H550-3 MB,ML,OVAL,FLNUC,PAIR=IC1042,R=G	Galaxy S0-:	VF,S,R,VGLBM,*8,9NF
NGC 5719	H682-2	Galaxy SAB(s)ab pec	PF,S,LE,BM

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NGC 5719		H682-2	Galaxy SAB(s)ab pec	PF,S,LE,BM
Mar 09 2021 36"	17mmT4	MB,ML,EL-EDGE ON,NND,MHISB,CNTR BULGE,R=FG		
NGC 5740		H538-2	Galaxy SAB(rs)b	PB,L,IR,GBM,R
Mar 09 2021 36"	17mmT4	MB,ML,EL-OVAL,LNUC,SHISB,SOFT NUC,MHISB,GMBM,R=F		
NGC 5746		H126-1	Galaxy SAB(rs)b? sp	B,L,VME170,BMBN
Mar 09 2021 36"	17mmT4	VB,EL,EDGE ON,LNUC,SHISB,VF*IN TIP,MHISB CNTR,GMBM,L CNTR BULGE,TAPERED ENDS,R=GE		
Jun 11 1983 12.5"	20mm	MB,PL,EDGE ON,DUST LANE SUSP,BNUC BULGE,TAPERED ENDS,MINATURE 4565		
NGC 5750		H183-1	Galaxy SB(r)0/a	PF,PS,VLE,R
Apr 26 2006 31"	17mmT4	MB,PL,OVAL-R,BSNUC,SPRIAL ARMS DET,PATCHY AREAS,BM,SHISB CNTR,R=E		
NGC 5770		H576-2	Galaxy SB0	CF,S,VLE,BM,BIN
Mar 09 2021 36"	17mmT4	MB,MS,EL-OVAL,BSNUC,MHISB,EL MHISB NUC BAR,R=FG		
NGC 5774			Galaxy SAB(rs)d	PF,PL,R,NP OF 2
Apr 26 2006 31"	17mmT4	MF,ML,OVAL,PATCH,UB,NND,PAIRS=5775/IC1070,R=G		
NGC 5775		H554-3	Galaxy SBc? sp	F,PS,VME148,GVLBM
Apr 26 2006 31"	17mmT4	VB,EL,EDGE ON,NND,1/2 BTR THAN OTHER,DUST LANE SUSP,PATCHY,BKN AREAS,PAIR,R=E		
NGC 5806		H539-2	Galaxy SAB(s)b	CB,CL,E165,SBMN
Mar 19 2004 12.5"	12mmT4	DIF,VF,MS,EL,UB,NND,R=F		
NGC 5813		H127-1	Galaxy E1-2	B,PS,R,PSMBM
Mar 19 2004 12.5"	12mmT4	PF,MS,OVAL,FSNUC,SBM,PAIR=5814,R=F		
NGC 5814			Galaxy (R')Sab	VF,VS,R
Mar 19 2004 12.5"	12mmT4	DIF,VF,PS,OVAL,PATCH,NND,PAIR=5813,R=P		
NGC 5831		H540-2	Galaxy E3	PB,S,MBM
Mar 19 2004 12.5"	12mmT4	MF,MS,OVAL,BLNUC,SBM,SHISB CNTR,R=F		
NGC 5838		H542-2	Galaxy SA0-	PB,PS
Mar 19 2004 12.5"	12mmT4	MF,MS,OVAL,BLNUC,HISB CNTR,R=G		
NGC 5839		H541-2	Galaxy SAB(rs)0^:	PF,PS
Mar 16 2010 31"	17mmT4	PF,ML,R,BLNUC,HISB CNTR,SUDLY MBM,R=G		
NGC 5845		H511-3	Galaxy E:	VF,R
Mar 16 2010 31"	17mmT4	MB,MS,R,BLNUC,SUDLY MBM,F THIN OUTER HALO SUR NUC,R=G		
NGC 5846		H128-1	Galaxy E0-1	VB,PL,R,PSBMN,F*INVS
Mar 16 2010 31"	17mmT4	VB,VL,BLNUC,GRAD BM,GRAN HALO,F* OFF SIDE,V CLOSE COMP=5846A,R=G		
Mar 19 2004 12.5"	12mmT4	MB,ML,OVAL,BLNUC,SHISB,CLOSE COMP=5846A,R=G		
Mar 19 2004 12.5"	12mmT4	MB,ML,EL,NND,SHISB,R=G		

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NGC 5846	H128-1	Galaxy E0-1	VB,PL,R,PSBMN,F*INVS
Jun 11 1983 12.5" 20mm		MB,PL,FNUC,F*W 1 GLXY DIA,COMP TO E,R,SBM,SVRL FIELD *S	
NGC 5846A		Galaxy cE2-3	
Mar 16 2010 31" 17mmT4		MF,VS,BNUC,R,V CLOSE COMP=5846,R=F	
Mar 19 2004 12.5" 12mmT4		PF,VS,PATCH,NND,CLOSE COMP=5846,R=F	
NGC 5850	H543-2	Galaxy SB(r)b	CF,S,LE,PSBM
Mar 16 2010 31" 17mmT4		MB,PL,OVAL,BLNUC,SOF NUC,GRAD BM,MHISB CNTR,F BAR ACROSS NUC,F HALO ARMS,R=G	
Mar 19 2004 12.5" 12mmT4		MF,MS,OVAL,NND,PAIRS=5846,R=F	
NGC 5854	H544-2	Galaxy SB(s)0+ sp	PB,S,VLE,LBM,AM ST
Mar 19 2004 12.5" 12mmT4		MF,MS,EL,FLNUC,SBM,R=F	
NGC 5864	H585-2	Galaxy SB(s)0^? sp	PF,CS,ILE,GBM,*14F
Apr 26 2006 31" 17mmT4		PB,ML,EL,BLNUC,MHISB,* OFF EDGE,CNTR BULGE,HISB CNTR,BM,GMBM,R=G	
NGC 5865	H684-2	Galaxy E-S0	PB,S,IE
Mar 09 2021 36" 17mmT4		MB,PS,PATCH,UB,NND,PAIR=N5869,R=F	
NGC 5869	H545-2	Galaxy S0^:	PF,S,E,PSBM
Mar 09 2021 36" 17mmT4		MB,MS,R,BLNUC,MHISB,SBM,HISB CNTR,PAIR=N5865,R=G	
PGC 36325		Galaxy Pec	
May 18 2007 31" 17mmT4		VF,PS,OVAL,*NUC,B* OR BNUC,R=P	
PGC 36659		Galaxy Sb	
Mar 25 2020 36" 17mmT4		MF,MS,EL,UB,NND,PAIR=N3876,R=F	
PGC 36723		Galaxy SAB(rs)b? pec	
May 18 2007 31" 17mmT4		MF,ML,UB,NND,PAIRS=PGC36733/PGC36742,R=F	
PGC 36733		Galaxy SB(s)b: pec	
May 18 2007 31" 17mmT4		MB,ML,OVAL,PATCH,UB,NND,MHISB,PAIRS=PGC36723/PGC36742,R=G	
PGC 36742		Galaxy SB(s)c pec	
May 18 2007 31" 17mmT4		PF,PS,PAIRS=PGC36733/PGC36723,R=P	
PGC 38164		Galaxy Scd:	
Mar 25 2020 36" 17mmT4		VF,MS,OVAL,UB,NND,PAIRS=7 OTHERS,R=P	
PGC 38184		Galaxy SA0^:	
Mar 25 2020 36" 17mmT4		PF,MS,EL-OVAL,UB,NND,PAIRS=7 OTHERS,R=F	
PGC 39247		Galaxy L	
Mar 08 2010 31" 17mmT4		MF,MS,OVAL,UB,NND,PAIRS=4216/MAC,R=F	

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PGC 39649		Galaxy E
Mar 08 2010 31"	17mmT4	EF,VS,PATCH,TOOK A WHILE TO FIND WITH AV THEN HOLDS,PAIRS=NGC'S/PGC'S,R=P
PGC 39655		Galaxy
Mar 08 2010 31"	17mmT4	PF,PS,EL,VFLNUC,PAIRS=NGC'S/PGC'S,R=F
PGC 39660		Galaxy E
Mar 08 2010 31"	17mmT4	MB,PS,R,FLNUC,PAIRS=NGC'S/PGC'S,R=F
PGC 40621		Galaxy Scd:
May 30 2014 36"	17mmT4	MF,MS,EDGE ON,NND,PA~120,* IN EDGE,SHISB,R=F
PGC 40659		Galaxy E
Mar 08 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,INSIDE HALO OF 4406,V CLOSE COMP,R=P
PGC 40790		Galaxy SB(r)a pec?
Mar 05 2021 36"	17mmT4	VF,MS,EL,EDGE ON,UB,NND,PAIRS=N4418/N4531,R=PF
PGC 41185		Galaxy E?
Mar 16 2010 31"	17mmT4	MF,VS,PATCH,UB,NND,ALL 3 JUST OUTSIDE HALO OF NGC4472,PAIRS=4467/4465,R=F
PGC 41264		Galaxy C
Mar 16 2010 31"	17mmT4	VF,VS,EL,PATCH,NND,JUST OUTSIDE OF NGC4472,R=P
PGC 41959		Galaxy E
Mar 05 2021 36"	17mmT4	VF,VS,PATCH,UB,NND,R=F
PGC 42230		Galaxy Scd:
May 30 2014 36"	17mmT4	VF,MS,EDGE ON,NND,PA~50,R=P
PGC 42846		Galaxy E
May 09 2010 31"	17mmT4	VF,PS,EL,UB,NND,TOOK AV A WHILE THEN HOLDS,PAIRS=4649/4647,R=P
PGC 43679		Galaxy Scd: sp
May 31 2014 36"	17mmT4	VF,ML,EDGE ON,UB,NND,PA~80,PAIRS=PGC/MAC,R=PF
PGC 43690		Galaxy SAB(s)ab pec?
May 31 2014 36"	17mmT4	MF,VS,R,FSNUC,PAIRS=PGC/MAC,R=F
PGC 43728		Galaxy Sab
May 18 2007 31"	17mmT4	MF,MS,OVAL-R,*NUC,VBSNUC OR B* IN NUC,PAIR=MAC,R=G
PGC 43762		Galaxy
May 18 2007 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIR=MAC,R=F
PGC 43811		Galaxy L
Mar 09 2021 36"	17mmT4	PF,VS,EL-OVAL,SBMUC,TOUCH=N4773,R=F

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PGC 43944		Galaxy S
May 18 2007 31"	17mmT4	MF,ML,EDGE ON,UB,NND,TAPERED ENDS,CIGAR SHAPE,CNTR BULGE,R=F
PGC 44254		Galaxy Sb pec sp
May 30 2014 36"	17mmT4	MF,MS,EDGE ON,NND,PA~120,CNTR BULGE,SHISB,R=F
PGC 44358		Galaxy Sd: sp
May 30 2014 36"	17mmT4	MF,ML,EDGE ON,UB,NND,PA~120,SLIVER,R=F
PGC 44491		Galaxy Im
Apr 10 2023 36"	17mmT4	DIF,EF,VS,PATCH,AV ONCE,SUSP,LOC GOOD,R=P
PGC 44931		Galaxy Sc: sp
May 30 2014 36"	17mmT4	MF,MS,EDGE ON,NND,PA~30,SLT CNTR BULGE,SMWHT B IN CNTR,R=F
PGC 45006		Galaxy Sc: sp
May 31 2014 36"	17mmT4	VF,MS,EDGE ON,NND,PA~45,TAPERED,R=PF
PGC 45084		Galaxy IB(s)m sp
May 31 2014 36"	17mmT4	EF,VS,EDGE ON,PATCH,PA~?,LOC GOOD,SUSP,R=P
PGC 45392		Galaxy L
Apr 10 2023 36"	17mmT4	DIF,EF,VS,PATCH,TOOK AV A WHILE TO LOC,COMES AND GOES,R=P
PGC 45911		Galaxy SB(s)cd? sp
May 31 2014 36"	17mmT4	VF,PS,EDGE ON,NND,PA~0,F* OFF NUC,R=P
PGC 46108		Galaxy S0/a
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
PGC 46261		Galaxy Sc: sp
May 31 2014 36"	17mmT4	VF,MS,EDGE ON,NND,PA~180,CIGAR SHAPE,TAPERED ENDS,PAIR=PGC,R=P
PGC 46277		Galaxy E+
May 31 2014 36"	17mmT4	VF,VS,R,PAIR=PGC,R=P
PGC 46489		Galaxy SA(rs)0^
Apr 26 2006 31"	17mmT4	MF,PS,OVAL,FSNUC,F* OFF EDGE,PAIR=5084,R=F
PGC 46565		Galaxy S
May 05 2021 36"	17mmT4	MF,MS,OVAL,FSNUC,PAIR=N5094,R=F
PGC 46795		Galaxy
May 05 2021 36"	17mmT4	EF,EV,PATCH,AV HOLDS,PAIR=N5118,R=P
PGC 46850		Galaxy S

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PGC 46850		Galaxy S
Apr 26 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=5129/PGC,R=P
PGC 46859		Galaxy
Apr 26 2006 31"	17mmT4	PF,PS,PATCH,UB,NND,F* OFF EDGE,PAIRS=5129/PGC,R=F
PGC 46971		Galaxy S
May 18 2007 31"	17mmT4	COULD NOT SPLIT THE TWO,V CLOSE COMP=PGC46972,SUSP,R=P
PGC 46972		Galaxy S
May 18 2007 31"	17mmT4	EF,PS,PATCH,AV,V CLOSE COMP=PGC46971,R=P
PGC 46975		Galaxy S?
May 18 2007 31"	17mmT4	MF,MS,PATCH,NND,2VF*S SUR GLXY,PATCHY,PAIRS=PGC'S,R=F
PGC 47072		Galaxy Sd? sp
Apr 26 2003 12.5"	9mmT6	VDIF,EF,VS,PATCH,UB,AV,R=P
PGC 47341		Galaxy
Mar 16 2010 31"	17mmT4	VF,PS,PATCH,NND,V NICE GRP,R=F
PGC 47365		Galaxy
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,AV HOLDS THEN DIRECT,V NICE GRP,R=P
PGC 47784		Galaxy Sb
May 30 2014 36"	17mmT4	MF,PS,EDGE ON, NND,PA~120,TAPERED ENDS,CENRAL BULGE,F* OFF END TO ONE SIDE,PAIR=IC896,R=FG
PGC 47983		Galaxy
May 05 2021 36"	17mmT4	VF,VS,EL,PATCH,UB,NND,PAIR=N5235,R=F
PGC 48105		Galaxy Sa
May 18 2007 31"	17mmT4	MF,MS,OVAL,FSNUC,SMWHT MHISB CNTR,PAIRS=MANY OTHERS,R=F
PGC 48117		Galaxy S
May 18 2007 31"	17mmT4	PF,MS,EL-OVAL,UB,NND,PAIRS=MANY OTHERS,R=F
PGC 48118		Galaxy SB
May 18 2007 31"	17mmT4	PF,MS,EL-OVAL,UB,NND,PAIRS=MANY OTHERS,R=F
PGC 49017		Galaxy Sb sp
May 18 2007 31"	17mmT4	VF,ML,EDGE ON,UB,NND,CIGAR SHAPE,PAIRS=5306/PGC'S,R=P
PGC 49036		Galaxy S0 pec?
May 18 2007 31"	17mmT4	VF,VS,PATCH,UB,NND,CLOSE COMP=5306,R=P
PGC 49040		Galaxy S?

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PGC 49040		Galaxy S?
May 18 2007 31"	17mmT4	MF,PS,PATCH,UB,NND,CLOSE COMP=5306,R=F
PGC 49266		Galaxy S
May 05 2021 36"	17mmT4	PF,PS,EL,PATCH,UB,NND,INTRACT=N5331A,CAN SEP,R=F
PGC 49362		Galaxy Sbc? sp
May 05 2021 36"	17mmT4	PF,MS,EDGE ON,UB,NND,R=F
PGC 49857		Galaxy
May 05 2021 36"	17mmT4	MF,VS,OVAL,VXFNUC,PAIRS=MAC/IC/NGC,R=F
PGC 52129		Galaxy
May 18 2007 31"	17mmT4	EF,ES,PATCH,AV,SUSP,CLOSE COMP=5679,R=P
PGC 52423		Galaxy C
May 18 2007 31"	17mmT4	PF,PS,PATCH,UB,NND,R=P
PGC 52451		Galaxy
May 18 2007 31"	17mmT4	VF,VS,PATCH,UB,NND,R=P
PGC 52452		Galaxy
May 18 2007 31"	17mmT4	PF,PS,OVAL,*NUC,R=F