

Andromeda - Daughter of Cassiopeia

C	410		Nebula
Sep 26 2019	36"	17mmT4	CL+NUBULA,MF,MS,EL,PATCH,UB,PAIRS G272 & 280,R=F
G	1		Globular
Sep 26 2019	36"	17mmT4	(Class ?),MB,PS,R,BNUC,MHISB,2F*S OFF EDGE,R=F
G	52		Globular
Sep 26 2019	36"	17mmT4	(Class ?),VF,VS,PATCH,NND,R=P
G	64		Globular
Sep 26 2019	36"	17mmT4	(Class ?),MF,VS,R,BSNUC,R=F
G	72		Globular
Sep 26 2019	36"	17mmT4	(Class ?),MF,VS,R,BSNUC,F GLOW SUR NUC,R=F
G	73		Globular
Sep 26 2019	36"	17mmT4	(Class ?),MF,VS,R,BSNUC FT GLOW SUR NUC,R=F
G	78		Globular
Sep 26 2019	36"	17mmT4	(Class ?),MF,VS,R,BLNUC,F GLOW SUR NUC,R=F
G	87		Globular
Sep 26 2019	36"	17mmT4	(Class ?),PF,VS,R,FSNUC,VF HALO,R=P
G	96		Globular
Sep 26 2019	36"	17mmT4	(Class ?),PF,VS,R,FNUC,R=P
G	156		Globular
Sep 26 2019	36"	17mmT4	(Class ?),MF,VS,R,BSNUC,F HALO SUR NUC,R=F
G	172		Globular
Sep 26 2019	36"	17mmT4	(Class ?),VF,VS,R,FSNUC,VFNUC WITH FT HALO,R=F
G	213		Globular
Sep 26 2019	36"	17mmT4	(Class ?),VF,VS,R,FSNUC,VF HALO SUR NUC,R=PF
G	222		Globular
Sep 26 2019	36"	17mmT4	(Class ?),VF,WS,R,VFNUC,R=P
G	229		Globular
Sep 26 2019	36"	17mmT4	(Class ?),VF,VS,PATCH,UB,NND,R=P
G	233		Globular
Sep 26 2019	36"	17mmT4	(Class ?),PF,VS,PATCH,UB,NND,R=P
G	244		Globular
Sep 26 2019	36"	17mmT4	(Class ?),VF,VS,FSNUC,VF HALO SUR NUC,R=P

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G	256		Globular
Sep 26 2019	36"	17mmT4	(Class ?),VF,VS,R,FSNUC,VF HALO,R=P
G	272		Globular
Sep 26 2019	36"	17mmT4	(Class ?),VF,VS,R,FSNUC,PAIRS G 280 & C 410,R=P
G	279		Globular
Sep 26 2019	36"	17mmT4	(Class ?),PF,PS,VFSNUC,R=F
G	280		Globular
Sep 26 2019	36"	17mmT4	(Class ?),PF,VS,BLNUC,F HALO SUR NUC,PAIRS G 272 & C 410,R=F
IC	43		Galaxy SABc
Sep 10 2004	31"	17mmT4	PF,ML,R,FLNUC,F* OFF ONE EDGE,PAIR=IC45,R=F
IC	45		Galaxy Pec
Sep 10 2004	31"	17mmT4	PF,ML,EL,UB,NND,PAIR=IC43,R=F
IC	46		Galaxy S0?
Sep 10 2004	31"	17mmT4	MF,PS,R,UB,SHISB,KEEP B* OUT OF FOV,R=F
IC	65		Galaxy SAB(s)bc
Sep 10 2004	31"	17mmT4	MB,VL,EL,UB,NND,SHISB,3F*S OFF ONE EDGE,* NEXT TO NUC,R=G
IC	178		Galaxy Sab
Sep 10 2004	31"	17mmT4	MF,MS,OVAL,VFNUC,MHISB,SBM,R=F
IC	179		Galaxy E
Sep 10 2004	31"	17mmT4	MB,MS,BLNUC,SBM,MHISB CNTR,R=G
IC	239		Galaxy SAB(rs)cd
Sep 11 2004	31"	17mmT4	DIF,PF,PL,OVAL,PATCH,UB,NND,SVRL F*S SUR EDGES,R=F
IC	1525		Galaxy SBb
Sep 18 2004	31"	17mmT4	MB,ML,OVAL,SHISB,PAIRS=PGC73195,MAC'S,R=G
IC	1534		Galaxy S0
Oct 05 2002	12.5"	9mmT6	VDIF,VF,PS,EL2F*S ON EACH EDGE,NND,UB,PAIRS 6 OF 6
IC	1535		Galaxy S
Oct 05 2002	12.5"	9mmT6	EDIF,VF,PS,EL,PATCH,NND,UB,PAIRS 5 OF 6
IC	1536		Galaxy E/S0
Oct 05 2002	12.5"	9mmT6	DIF,VF,VS,PATCH,AV,PAIRS 4 OF 6
IC	1540		Galaxy SBb
Sep 10 2004	31"	17mmT4	MB,ML,EL,FLNUC,SHISB,R=F

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IC	1541		Galaxy
	Sep 10 2004 31"	17mmT4	MF,MS,EL,FLNUC,R=F
IC	1542		Galaxy S?
	Nov 20 2003 31"	17mmT4	DIF,PF,ML,EL,UB,NND,NGC 83 CL OF 13,R=F
IC	1543		Galaxy S?
	Sep 10 2004 31"	17mmT4	NO DESCRIPTION GIVEN
IC	1544		Galaxy SAB(s)c
	Sep 10 2004 31"	17mmT4	DIF,PF,VL,OVAL,PATCH,UB,R=F
IC	1546		Galaxy S?
	Nov 20 2003 31"	17mmT4	DIF,PF,MS,EL,PATCH,UB,NND,CLOSE COMP=NGC85,NGC 83 CL OF 13,R=F
	Oct 05 2002 12.5"	9mmT6	DIF,PF,PS,PATCH,OVAL,UB,COMP=85
IC	1548		Galaxy C
	Sep 10 2004 31"	17mmT4	MF,PS,R,BSNUC,SHISB CNTR,PAIR=MAC,R=F
IC	1550		Galaxy S0
	Sep 10 2004 31"	17mmT4	MF,PS,R,BSNUC,CLOSE TO *,PAIR=PGC1539,R=F
IC	1559		Galaxy SAB0 pec:
	Oct 05 2002 12.5"	9mmT6	VF,ES,OVAL,PATCH,COMP=169
IC	1583		Galaxy C
	Sep 10 2004 31"	17mmT4	MF,MS,R,FLNUC,PAIRS=IC1585,PGC2773,R=F
IC	1584		Galaxy SB?
	Sep 14 2012 36"	17mmT4	PF,MS,OVAL,VFSNUC,R=F
	Oct 05 2002 12.5"	9mmT6	VDIF,PF,PS,OVAL,PATCH,NND,UB,F* OFF TO ONE SIDE
IC	1585		Galaxy C
	Sep 10 2004 31"	17mmT4	MF,MS,R,FLNUC,PAIRS=IC1583,PGC2773,R=F
IC	1586		Galaxy
	Sep 10 2004 31"	17mmT4	MF,VS,R,BLNUC,R=F
IC	1647		Galaxy Sc
	Sep 10 2004 31"	17mmT4	DIF,PF,MS,PATCH,UB,NND,PAIR=425,R=P
IC	1675		Galaxy S R
	Dec 20 2003 31"	17mmT4	PF,MS,EL,UB,NND,R=F
IC	1683		Galaxy S?
	Dec 20 2003 31"	17mmT4	MF,MS,FSNUC,R=F

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IC	1732		Galaxy S?
	Dec 20 2003 31"	17mmT4	MF,MS,EL,FSNUC,F* ON EDGE,CNTR BULGE,R=F
IC	1799		Galaxy S?
	Dec 20 2003 31"	17mmT4	MF,MS,BSNUC,SHISB,F* ON EDGE,ANOTHER OPPOSITE SIDE,R=G
IC	5355		Galaxy SBcd:
	Sep 18 2004 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,R=F
IC	5369		Galaxy
	Sep 10 2004 31"	17mmT4	MF,MS,EL,PATCH,VSNUC,SBM,PAIRS=4 OTHERS,R=F
IC	5370		Galaxy S0/a
	Sep 18 2004 31"	17mmT4	MF,VS,R,BSNUC,MHISB CNTR,PAIRS=IC'S,MAC,R=F
	Sep 10 2004 31"	17mmT4	PB,MS,R,BSNUC,MHISB,PAIRS=4 OTHERS,R=F
IC	5371		Galaxy S
	Sep 18 2004 31"	17mmT4	PF,PS,OVAL,FSNUC,SLT BM,PAIRS=IC'S,MAC,R=F
	Sep 10 2004 31"	17mmT4	PF,PS,OVAL-R,FSNUC,PAIRS=4 OTHERS,R=F
IC	5373		Galaxy Sb
	Sep 18 2004 31"	17mmT4	MF,PS,OVAL,BSNUC,PAIRS=IC'S,MAC,R=F
	Sep 10 2004 31"	17mmT4	MF,PS,R,BSNUC,SHISB,PAIRS=4 OTHERS,R=F
IC	5376		Galaxy Sab
	Sep 10 2004 31"	17mmT4	MF,ML,EDGE ON,BSNUC,CNTR BULGE,R=F
MAC	0000+3250		Galaxy
	Sep 18 2004 31"	17mmT4	VF,PS,PATCH,NND,F* IN GLXY OR ON EDGE,PAIRS=IC'S,R=P
	Sep 10 2004 31"	17mmT4	DIF,VF,VS,PATCH,UB,PAIRS=4 OTHERS,R=P
MAC	0008+3258		Galaxy
	Sep 14 2012 36"	17mmT4	EF,PS,EL,UB,NND,AV FIRST THEN HOLDS,PAIRS=MAC'S,R=P
MAC	0008+3259		Galaxy
	Sep 14 2012 36"	17mmT4	EF,PS,EL,UB,NND,AV FIRST THEN HOLDS,PAIRS=MAC'S,R=P
MAC	0008+3301		Galaxy
	Sep 14 2012 36"	17mmT4	EF,PS,EL,UB,NND,AV COMES AND GOES,PAIRS=MAC'S,R=P
MAC	0009+3316		Galaxy
	Sep 14 2012 36"	17mmT4	VF,VS,EDGE ON,UB,NND,THIN SLIVER,PAIR=20,R=PF
	Oct 30 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=NGC20,R=P
MAC	0010+3259		Galaxy
	Sep 14 2012 36"	17mmT4	EF,VS,PATCH,COMES AND GOES WITH AV,PAIR=21,R=P

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MAC 0013+3058 **Galaxy**
 Sep 14 2012 36" 17mmT4 EF,ES,CLOSE TO * IN FOV,AV COMES AND GOES,PAIR=43,R=P

MAC 0021+2159 **Galaxy**
 Sep 10 2004 31" 17mmT4 PF,VS,OVAL,PATCH,UB,LOC WHERE IC1545 SHOULD BE,R=P

MAC 0021+2201 **Galaxy**
 Sep 10 2004 31" 17mmT4 VF,VS,PATCH,UB,NND,PAIR=IC1548,R=P

MAC 0043+3033 **Galaxy**
 Sep 14 2012 36" 17mmT4 EF,VS,UB,PAIR=223,R=P

MAC 0048+3157 **Galaxy**
 Oct 30 2005 31" 17mmT4 PF,PS,PATCH,UB,NND,CLOSE TO NGC262,R=F

MAC 0048+3158 **Galaxy**
 Oct 30 2005 31" 17mmT4 EF,VS,PATCH,SUSP,CLOSE TO NGC262,R=P

MAC 0049+2334 **Galaxy**
 Sep 12 2007 31" 17mmT4 EF,ES,PATCH,AV,SUSP,PAIRS=HICKSON 8,R=P

MAC 0049+2335A **Galaxy**
 Sep 12 2007 31" 17mmT4 VF,VS,PATCH,UB,NND,PAIRS=HICKSON 8,R=P

MAC 0052+2418 **Galaxy**
 Sep 14 2012 36" 17mmT4 VF,VS,PATCH,NND,PAIRS=280/MAC,R=P

MAC 0052+2419 **Galaxy**
 Sep 14 2012 36" 17mmT4 VF,VS,PATCH,NND,PAIRS=280/MAC,R=P

MAC 0125+3444 **Galaxy**
 Dec 20 2003 31" 17mmT4 EF,ES,PATCH,PAIR=529,R=P

MAC 0136+3538 **Galaxy**
 Dec 04 2004 31" 17mmT4 EF,ES,PATCH,AV,SUSP,VF* ON EDGE,B* IN FOV,R=P

MAC 0148+3602 **Galaxy**
 Oct 09 2010 31" 17mmT4 VF,VS,PATCH,AGC 262,R=P

MAC 0149+3600 **Galaxy**
 Oct 09 2010 31" 17mmT4 EF,VS,OVAL,PATCH,UB,NND,AGC 262,R=P

MAC 0150+3538 **Galaxy**
 Oct 09 2010 31" 17mmT4 EF,VS,PATCH,AV ONLY ONCE,SUSP,AGC 262,R=P

MAC 0150+3545 **Galaxy**
 Oct 09 2010 31" 17mmT4 VF,PS,PATCH,NND,KEEP B* OUT OF FOV,AGC 262,R=P

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- MAC 0150+3608** **Galaxy**
Oct 09 2010 31" 17mmT4 VF,VS,PATCH,AV HOLDS,AGC 262,R=P
- MAC 0150+3616B** **Galaxy**
Oct 09 2010 31" 17mmT4 EF,VS,AV FIRST,COMES AND GOES,AGC 262,R=P
- MAC 0150+3620** **Galaxy**
Oct 09 2010 31" 17mmT4 VF,MS,PATCH,NND,AV FIRST THEN HOLDS,AGC 262,R=F
- MAC 0150+3624** **Galaxy**
Oct 09 2010 31" 17mmT4 EF,VS,PATCH,VF* JUST NEXT TO GLXY,AV COMES AND GOES,AGC 262,R=P
- MAC 0151+3602** **Galaxy**
Oct 09 2010 31" 17mmT4 PF,PS,PATCH,NND,AGC 262,R=P
- MAC 0151+3602A** **Galaxy**
Oct 09 2010 31" 17mmT4 B* TOO CLOSE TO DETECT,AGC 262,R=P
- MAC 0151+3649** **Galaxy**
Oct 09 2010 31" 17mmT4 EF,VS,PATCH,HARD TO HOLD WITH AV,B* ON FOV,AGC 262,R=P
- MAC 0151+3651** **Galaxy**
Oct 09 2010 31" 17mmT4 EF,VS,PATCH,SUSP,AGC 262,R=P
- MAC 0208+4128** **Galaxy**
Oct 25 2006 31" 17mmT4 EF,VS,PATCH,V CLOSE COMP=PGC8161,APPEARS AS A SLT BULGE ON SIDE OF MAC,R=P
- MAC 0223+4140** **Galaxy**
Sep 14 2012 36" 17mmT4 EF,ES,* OR V CLOSE TO F*,SUSP,AGC 347,R=P
- MAC 0223+4159B** **Galaxy**
Sep 14 2012 36" 17mmT4 EF,VS,EL,UB,CLOSE TO *,AGC 347,R=P
- MAC 0224+4130** **Galaxy**
Sep 14 2012 36" 17mmT4 EF,VS,PATCH,AV COMES AND GOES,AGC 347,R=P
- MAC 0224+4136** **Galaxy**
Sep 14 2012 36" 17mmT4 VF,VS,EL,PATCH,UB,NND,AGC 347,R=P
Sep 14 2012 36" 17mmT4 VF,PS,EL,PATCH,UB,NND,AGC 347,R=P
- MAC 0224+4154** **Galaxy**
Sep 14 2012 36" 17mmT4 VF,VS,OVAL,PATCH,AGC 347,R=P
- MAC 0224+4204** **Galaxy**
Sep 14 2012 36" 17mmT4 VF,VS,PATCH,UB,CLOSE TO B* IN FOV,AGC 347,R=P
- MAC 0225+4134** **Galaxy**

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MAC 0225+4134		Galaxy
Sep 14 2012 36"	17mmT4	VF,VS,PATCH,UB,NND,AGC 347,R=P
MAC 0225+4145		Galaxy
Sep 14 2012 36"	17mmT4	EF,ES,ALM *,AGC 347,R=P
MAC 0225+4146		Galaxy
Sep 14 2012 36"	17mmT4	VF,VS,PATCH,UB,NND,CLOSE TO *,AGC 347,R=P
MAC 0225+4150		Galaxy
Sep 14 2012 36"	17mmT4	EF,VS,* CLOSE BY WASHES OUT GLXY,AV FEW TIMES,AGC 347,R=P
Oct 30 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=PGC9180,R=P
MAC 0225+4208		Galaxy
Sep 14 2012 36"	17mmT4	VF,VS,EL,UB,NND,AGC 347,R=PF
MAC 0226+4143		Galaxy
Sep 14 2012 36"	17mmT4	EF,ES,ALM *,AGC 347,R=P
MAC 0226+4151		Galaxy
Sep 14 2012 36"	17mmT4	VF,VS,PATCH,AGC 347,R=P
MAC 0226+4202		Galaxy
Sep 14 2012 36"	17mmT4	EF,VS,PATCH,AV FIRST THEN HOLDS,AGC 347,R=P
MAC 0226+4209		Galaxy
Sep 14 2012 36"	17mmT4	EF,VS,TOOK AV A WHILE THEN HOLDS,AGC 347,R=P
MAC 0227+4141		Galaxy
Sep 14 2012 36"	17mmT4	VF,VS,EL,PATCH,NND,AGC 347,R=P
MAC 0232+4439		Galaxy
Sep 10 2004 31"	17mmT4	VF,VS,PATCH,UB,NND,GLXY IN OPEN CL,=NGC956,R=P
MAC 0235+4055		Galaxy
Sep 11 2004 31"	17mmT4	VDIF,EF,VS,PATCH,UB,AV,PAIRS=980,982,PGC'S,R=P
MAC 2259+3905		Galaxy
Sep 18 2004 31"	17mmT4	DIF,VF,PS,PATCH,NND,PAIRS=7446,7449,7445,R=P
MAC 2318+4253		Galaxy
Sep 18 2004 31"	17mmT4	VF,VS,PATCH,NND,PAIR=PGC71014,R=P
MAC 2319+4254		Galaxy
Sep 18 2004 31"	17mmT4	VDIF,EF,VS,PATCH,AV,PAIRS=7618,MAC'S,R=P
MAC 2319+4255		Galaxy

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MAC 2319+4255		Galaxy	
Sep 18 2004 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIRS=7618,MAC'S,R=P	
MAC 2319+4258A		Galaxy	
Sep 18 2004 31"	17mmT4	PF,PS,EL,VSFT NUC,KEEP B* OUT OF FOV,PAIRS=7618,MAC'S,R=F	
MAC 2320+4302		Galaxy	
Sep 18 2004 31"	17mmT4	MF,PS,PATCH,* NUC SUSP,PAIR=PGC71115,R=F	
MAC 2359+4650		Galaxy	
Sep 18 2004 31"	17mmT4	VDIF,VF,VS,PATCH,UB,CLOSE COMP=MAC2359+4651,BTR OF THE TWO,R=P	
MAC 2359+4651		Galaxy	
Sep 18 2004 31"	17mmT4	EDIF,EF,VS,PATCH,AV,CLOSE COMP=MAC2359+4650,R=P	
MINK 1-1		Planetary Neb	
Oct 20 2006 31"	17mmT4	PB,PS,R,BLNUC,W0III/NEB BTR,NO CNTR *,B BLUE,F* CLOSE BY,R=G	
NGC 5		Galaxy E:	VF,VS,N=*13,14
Sep 14 2012 36"	17mmT4	MF,MS,OVAL,BSNUC,VF* IN OUTER EDGE,HALO,GMBM,R=FG	
Sep 12 2002 12.5"	9mmT6	DIF,PF,PS,OVAL,SBM,VF* OFF ONE SIDE	
NGC 11		Galaxy Sa	VF,VS,VLE,2VF*INV
Sep 14 2012 36"	17mmT4	MF,ML,EL,UB,NND,MHISB,CIGAR SHAPE,V* IN EDGE,R=FG	
Sep 12 2002 12.5"	9mmT6	DIF,PF,PS,EL,UB,NND	
NGC 13		H866-3 Galaxy (R)Sab:	VF,VS,S ST+NEB
Sep 14 2012 36"	17mmT4	MB,ML,EDGE ON,BSNUC,HISB CNTR,SMWHT CNTR BULGE,VF* TOUCH NUC,R=G	
Sep 12 2002 12.5"	9mmT6	MB,PL,EL,SBM,F* IN TIP	
NGC 20		Galaxy S0-:	F,*10ATT
Sep 14 2012 36"	17mmT4	MB,MS,R,BSNUC,HISB CNTR,PAIR=MAC,R=FG	
Sep 12 2002 12.5"	9mmT6	PB,PL,VBM,B* IN EDGE,SMWHT MHISB	
NGC 21		Galaxy SBb	EF,S,LE
Sep 14 2012 36"	17mmT4	MF,MS,OVAL,FLNUC,SHISB,* OFF EDGE,PAIR=MAC,R=FG	
Sep 12 2002 12.5"	9mmT6	DIF,PF,PS,PATCH,UB,NND,KEEP B* OUT OF FOV	
NGC 27		Galaxy S?	EF,VS,E,B*NR
Aug 30 2003 31"	25mm	MB,ML,EL,FNUC,SHISB,PAIR/PGC731,R=G	
Sep 12 2002 12.5"	9mmT6	VDIF,PF,PS,OVAL,PATCH,PAIR/PGC 731	
NGC 29		H853-2 Galaxy SAB(s)bc:	PB,PL,E0
Sep 14 2012 36"	17mmT4	MB,MS,EL,FLNUC,F* CLOSE IN BY NUC RGN,MHISB,R=FG	
Sep 12 2002 12.5"	9mmT6	DIF,PF,PL,VF* OR *NUC,UB,OVAL,SHISB	
NGC 39		H861-3 Galaxy SA(rs)c	VF,PS,R

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NGC 39		H861-3	Galaxy SA(rs)c	VF,PS,R
Sep 14 2012 36"	17mmT4	MF,MS,R,NND,* IN GLXY,DARK AREAS SUSP,FACE ON,R=FG		
Sep 12 2002 12.5"	9mmT6	VDIF,VF,PS,OVAL-R,F* IN GLXY,UB,NND,PAIR/43		
NGC 43			Galaxy SB0	EF,*12NP 45"
Sep 14 2012 36"	17mmT4	MF,MS,OVAL,BSNUC,PAIR=MAC,R=FG		
Sep 12 2002 12.5"	9mmT6	MB,ML,OVAL-R,SBM,F* OUTER EDGE,PAIR/39		
NGC 48			Galaxy SABbc pec:	EEF,PL,R,V DIFFIC
Oct 05 2002 12.5"	9mmT6	VDIF,PF,PS,OVAL PATCH,NND,PAIRS 3 OF 6		
NGC 49			Galaxy S0?	EEF,S,R,2ND OF3
Oct 05 2002 12.5"	9mmT6	VDIF,PF,PS,OVAL PATCH,NND,PAIRS 2 OF 6		
NGC 51			Galaxy S0^ pec:	PF,PS,R,BM
Oct 05 2002 12.5"	12mm	DIF,MF,PS,MHISB,F* OUTER EDGE,PAIRS 1 OF 6		
NGC 67			Galaxy E:	EF,VS,R
Nov 20 2003 31"	17mmT4	MB,PS,R,BLNUC,SBM,HISB CNTR,NGC 70 CL OF 12,R=G		
NGC 68		H16-5	Galaxy SA0-	EF,L,3OR4*+NEB
Nov 20 2003 31"	17mmT4	MB,PS,R,BLNUC,SBM,SHISB CNTR,NGC 70 CL OF 12,R=G		
Oct 05 2002 12.5"	9mmT6	DIF,PF,PS,R,BM,MHISB,GLXY CL		
NGC 69			Galaxy SB(s)0-	EF,VS,R,
Nov 20 2003 31"	17mmT4	PF,PS,R,BLNUC,SBM,NGC 70 CL OF 12,R=F		
Oct 05 2002 12.5"	9mmT6	EEDIF,EEF,ES,PATCH,AV,GLXY CL		
NGC 70			Galaxy SA(rs)c	EF,VS,R,BET2F*
Nov 20 2003 31"	17mmT4	MB,PL,OVAL,BLNUC,HISB CNTR,NGC 70 CL OF 12,R=G		
Oct 05 2002 12.5"	9mmT6	PF,PS,R,BM,F* OFF TO ONE SIDE,GLXY CL		
NGC 71			Galaxy SA0- pec:	EF,VS,R
Nov 20 2003 31"	17mmT4	MB,MS,OVAL,BNUC,SBM,HISB CNTR,NGC 70 CL OF 12,R=G		
Oct 05 2002 12.5"	9mmT6	DIF,PF,PS,R,MHISB		
NGC 72			Galaxy SB(rs)ab	EF,VS,R
Nov 20 2003 31"	17mmT4	MB,MS,OVAL,BNUC,SBM,MHISB,NGC 70 CL OF 12,R=G		
Oct 05 2002 12.5"	9mmT6	VDIF,VF,VS,OVAL PATCH,GLXY CL		
NGC 72A			Galaxy E3:	
Nov 20 2003 31"	17mmT4	PF,PS,OVAL,FSNUC,NGC 70 CL OF 12,R=G		
Oct 05 2002 12.5"	9mmT6	VDIF,EF,ES,AV ONLY,PATCH,GLXY CL		
NGC 74			Galaxy Sb	EF,S,E,LAST OF 6
Nov 20 2003 31"	17mmT4	DIF,PF,MS,EL,UB,NND,CNTR BULGE DET,NGC 70 CL OF 12,R=G		
Oct 05 2002 12.5"	9mmT6	EEDIF,EF,ES,PATCH,AV,GLXY CL		

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NGC 76		Galaxy S?	VF,S,BM
Nov 20 2003 31"	17mmT4	MB,ML,OVAL,BLNUC,GMBM,MHISB,PAIR/PGC1266,R=G	
Oct 05 2002 12.5"	12mm	VDIF,VF,VS,PATCH,NND	
NGC 79		Galaxy E	VF,S,VLBM
Nov 20 2003 31"	17mmT4	PF,MS,OVAL-R,BNUC,GMBM,NGC 83 CL OF 13,R=F	
Oct 05 2002 12.5"	9mmT6	PF,PS,SBM,R,MHISB	
NGC 80		Galaxy SA0-	F,S,R,PSBM
Nov 20 2003 31"	17mmT4	VB,ML,R,BLNUC,HISB,NGC 83 CL OF 13,R=E	
Oct 05 2002 12.5"	9mmT6	PB,PL,BNUC,OVAL-R,HISB,PAIR=83,81	
NGC 81		Galaxy	EEF,SP 83
Nov 20 2003 31"	17mmT4	VF,VS,R,FSNUC,NGC 83 CL OF 13,R=F	
Oct 05 2002 12.5"	9mmT6	EDIF,EF,ES,AV,PAIR=83,80	
NGC 83		Galaxy E	E,BIN,3B*NR
Nov 20 2003 31"	17mmT4	VB,ML,OVAL-R,BLNUC,HISB,NGC83 CL OF 13,R=E	
Oct 05 2002 12.5"	9mmT6	PB,PL,MHISB,OVAL,PAIR=81,80	
NGC 84		Galaxy S	EF,*+NEB
Nov 20 2003 31"	17mmT4	VDIF,PF,ML,EL,PATCH,UB,NND,SVRL F*S IN GLXY,NGC 83 CL OF 13,R=F	
Oct 05 2002 12.5"	9mmT6	EDIF,EF,ES,PATCH,OVAL	
NGC 85		Galaxy S0	EEF,CL,R
Nov 20 2003 31"	17mmT4	MF,MS,EL,FSNUC,CLOSE COMP=IC1546,NGC 83 CL OF 13,R=F	
Oct 05 2002 12.5"	9mmT6	DIF,PF,PS,PATCH,OVAL,UB,COMP=IC1546	
NGC 86		Galaxy Sbc	EF,VS,LBM
Nov 20 2003 31"	17mmT4	MB,VS,HISB BLNUC,CLOSE TO B*,MHISB,NGC 83 CL OF 13,R=G	
Oct 05 2002 12.5"	9mmT6	DIF,PF,PS,PATCH,OVAL,UB,PAIR=85	
NGC 91		Galaxy S	VF,VS,*13SP
Nov 20 2003 31"	17mmT4	MF,ML,EL,PATCH,FSNUC,NGC 83 CL OF 13,R=F	
Oct 05 2002 12.5"	9mmT6	VDIF,PF,PL,PATCH,UB,NND,PAIR=93	
NGC 93		Galaxy S?	VF,VS
Nov 20 2003 31"	17mmT4	VB,PL,R,BLNUC,HISB CNTR,NGC 83 CL OF 13,R=E	
Oct 05 2002 12.5"	9mmT6	PB,ML,BNUC,MHISB,R,SBM,PAIR=91	
NGC 94		Galaxy S0	EF,VS
Nov 20 2003 31"	17mmT4	PF,MS,OVAL,PATCH,FSNUC,COMP=?,NOT ID IN MEGASTAR,NGC 83 CL OF 13,R=F	
Oct 05 2002 12.5"	9mmT6	EDIF,EF,ES,PATCH,OVAL	
NGC 96		Galaxy L	VF,S,VLBM
Nov 20 2003 31"	17mmT4	PF,MS,OVAL,PATCH,FSNUC,SBM,NGC 83 CL OF 13,R=F	
Oct 05 2002 12.5"	9mmT6	VDIF,PF,PS,OVAL,PATCH,UB	

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NGC 97		Galaxy E:	F,VS,R,GBM
Oct 05 2002	12.5" 9mmT6	PB,ML,FNUC,FARMS,OVAL,SBM,MHISB	
NGC 108		H148-3 Galaxy (R)SB(r)0+	PF,PL,R,PSLBM
Sep 12 2002	12.5" 9mmT6	PB,PL,OVAL-R,GMBM,FARMS	
NGC 109		Galaxy SB(r)a	VF,S,3*NR
Oct 05 2002	12.5" 9mmT6	VDIF,PF,ML,OVAL,PATCH,NND	
NGC 112		Galaxy S?	EF,VS,R,
Oct 05 2002	12.5" 9mmT6	VDIF,VF,PS,PATCH,OVAL,UB	
NGC 140		Galaxy Scd:	VF,S,R,GBM
Oct 05 2002	12.5" 9mmT6	VDIF,PF,PL,OVAL,PATCH,UB,NND	
NGC 149		Galaxy S0:	VF,VS,R,GBM*14,*12SP
Oct 05 2002	12.5" 9mmT6	VDIF,VF,VS,F* ON EDGE,OVAL,BM	
NGC 160		H476-3 Galaxy (R)SA0+ pec	VF,VS,STELL,*8NP4'
Oct 05 2002	12.5" 9mmT6	PB,PL,FNUC,SBM,OVAL,SNUC	
NGC 169		Galaxy SA(s)ab: sp	F,PL,D ORBIN,*6NF4'
Oct 05 2002	12.5" 9mmT6	PB,VL,PATCH-OVAL,NND,B* IN FOV,COMP=IC1559	
NGC 181		Galaxy S?	EF,ES,IRR,VF*ATT
Oct 05 2002	12.5" 9mmT6	EEDIF,EF,ES,PATCH,AV,PAIRS=183,184	
NGC 183		Galaxy E	PF,VS,R,GBM
Oct 05 2002	12.5" 9mmT6	PB,PL,BNUC,HISB,LNUC,OVAL,PAIRS=181,184	
NGC 184		Galaxy S0/a	EF,ES
Oct 05 2002	12.5" 9mmT6	EEDIF,EF,ES,PATCH,AV,PAIRS=181,183	
NGC 205	M110	H18-5 Galaxy E5 pec	VB,VL,ME165,VGVMBM
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Aug 31 1984	12.5" 24mm	MB,PL,FNUC,COMP TO M31,EL,F* IN E PART,SOFT DIF NUC	
Mar 02 1984	10" 20mm	SAME	
Sep 24 1981	12.5" 16mm	SBM,SLT OVAL,FARMS,DIF,MB,PL,EL	
Sep 20 1981	12.5" 24mm	F* IN S ARM IN EQ PLANE	
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Sep 10 1980	12.5" 24mm		
Aug 22 1980	12.5" 24mm		
Aug 19 1980	12.5" 24mm		
Jul 24 1980	12.5" 24mm	BEST OBSERVED TO DATE	
Jul 17 1980	12.5" 24mm		
Jul 11 1980	12.5" 24mm		

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NGC 206		H36-5	Knot in Galaxy	VF,VL,ME0
Aug 10 2002 12.5"	25mm		PB,EL,KNT IN GLXY,PATCHY AREA IN MILKY WAY	
NGC 214		H209-2	Galaxy SAB(rc)	PF,PS,GVLBM,R
Aug 31 1984 12.5"	16mm		DIF,MF,PS,IN BARREN * FIELD,VF * DET TO W SVRL GLXY DIA,PATCHY,VB	
Sep 23 1981 12.5"	16mm		BARREN * FIELD,DIF WITH V LTL BIN CNTR,PF,PS	
Sep 10 1980 12.5"	24mm			
NGC 218			Galaxy S?	EF,VS,R,GBM
Oct 05 2002 12.5"	9mmT6		EEDIF,EF,ES,AV,PATCH	
NGC 221	M32		Galaxy cE2	VVB,L,R,PSMBMN
Sep 14 2012 36"	17mmT4		EB,EL,OVAL-R,BSNUC,PATCHY AREAS IN L HALO,VMBM,HISB,R=E	
Mar 19 2004 12.5"	12mmT4		MESSIER MARATHON 2004	
Aug 31 1984 12.5"	12mm		VB,MS,F * NE SVRL GLXY DIA,VMBM,OVAL,HISB,HALO	
Mar 02 1984 10"	20mm		SAME	
Sep 23 1981 12.5"	16mm		VMBM,HALO,BNUC,VR,ML,VB	
Sep 20 1981 12.5"	24mm			
Mar 27 1981 12.5"	24mm		MESSIER MARATHON 1981	
Sep 10 1980 12.5"	24mm			
Aug 22 1980 12.5"	24mm			
Aug 19 1980 12.5"	24mm			
Jul 24 1980 12.5"	32mm		BEST OBSERVED TO DATE	
Jul 17 1980 12.5"	24mm			
Jul 14 1980 12.5"	24mm			
Jul 11 1980 12.5"	24mm			
Jun 17 1980 12.5"	24mm			
NGC 224	M31		Galaxy SA(s)b	EEB,EL,VME,ANDROMEDA 17
Mar 19 2004 12.5"	12mmT4		MESSIER MARATHON 2004	
Aug 31 1984 12.5"	24mm		EB,EL,BNUC,DUST LANES DET,B* BY NUC,RB NUC,EBM,ARMS STRETCH ACROSS FIELD	
Mar 02 1984 10"	20mm		SAME	
Sep 23 1981 12.5"	32mm		S ARM B THAN N,2 DARK LANES S ARM THROT,EB,EL,BNUC,BARMS	
Sep 20 1981 12.5"	24mm			
Mar 27 1981 12.5"	24mm		MESSIER MARATHON 1981	
Sep 10 1980 12.5"	24mm			
Aug 22 1980 12.5"	24mm			
Aug 19 1980 12.5"	24mm			
Jul 24 1980 12.5"	32mm		BEST OBSERVED TO DATE	
Jul 17 1980 12.5"	24mm			
Jul 14 1980 12.5"	24mm			
Jul 11 1980 12.5"	24mm			
Jun 17 1980 12.5"	24mm			
NGC 226			Galaxy S?	EF,S,R,*13S20"
Sep 14 2012 36"	17mmT4		MF,MS,OVAL-R,NND,SHISB,VF* IN GLXY,* CLOSE BY,R=FG	
Oct 05 2002 12.5"	9mmT6		MF,ML,FNUC,F* OFF TO ONE EDGE,OVAL,SBM	

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NGC 228		Galaxy (R)SB(r)ab	EF,S,R,FAINTER OF 2
Sep 14 2012 36"	17mmT4	MF,PS,OVAL,FSNUC,F* OFF ONE SIDE,PAIRS=229/PGC2562,R=F	
Oct 05 2002 12.5"	9mmT6	VDIF,VF,PS,OVAL,PATCH,UB,NND,PAIR/229	
NGC 229		Galaxy Sab	VF,S,R,SMALLER OF 2
Sep 14 2012 36"	17mmT4	MF,PS,EL,BSNUC,PAIRS=228/PGC2562,R=F	
Oct 05 2002 12.5"	9mmT6	VDIF,VF,PS,OVAL,PATCH,UB,NND,PAIR/228	
NGC 233		H149-3 Galaxy E?	F,VS,R,LBM
Oct 05 2002 12.5"	9mmT6	PB,ML,BNUC,R,MHISB	
NGC 243		Galaxy S0?	F,VS,R,GBM,*10P
Sep 14 2012 36"	17mmT4	MF,PS,VBSNUC,SBM,SHISB CNTR,R=F	
Oct 05 2002 12.5"	9mmT6	MF,VS,SBM,OVAL,PATCH	
NGC 252		H609-2 Galaxy (R)SA(r)0+:	PB,S,R,PMBM,R,**P
Sep 14 2012 36"	17mmT4	MB,ML,OVAL-R,BLNUC,HISB,L HALO,PAIR=258,R=G	
Oct 05 2002 12.5"	9mmT6	PB,PL,BNUC,R,SBM,MHISB	
NGC 258		Galaxy Sb	EF,S,VF*CLOSE
Sep 14 2012 36"	17mmT4	PF,MS,EL,PATCH,UB,NND,PAIR=252,R=F	
Oct 05 2002 12.5"	9mmT6	EDIF,EF,ES,B* CLOSE BY,COMES AND GOES WITH AV	
NGC 260		Galaxy Scd pec:	EF,PS,LE
Sep 14 2012 36"	17mmT4	PF,MS,OVAL,UB,NND,SHISB,R=F	
Oct 05 2002 12.5"	9mmT6	VDIF,VF,PS,PATCH,EL,UB,NND	
NGC 262		Galaxy SA(s)0/a:	EF,VS,R,V DIFFIC
Oct 30 2005 31"	17mmT4	MF,MS,R,BSNUC,SUDLY MBM,PAIRS=MAC'S,R=F	
Oct 05 2002 12.5"	9mmT6	PF,MS,FNUC,OVAL,PATCH,SBM	
NGC 272		Open Cluster asterism	CL,L,LC
Sep 14 2012 36"	17mmT4	PB,ML,6*"S "C" SHAPE,V LTL CL,R=P	
Oct 05 2002 12.5"	9mmT6	PB,ML,~10*"S IN A V SHAPE	
NGC 280		H477-3 Galaxy SB?	EF,S,R,
Sep 14 2012 36"	17mmT4	PF,PS,FSNUC,IRR IN SHAPE,SHISB,PAIRS=MAC'S,R=F	
Oct 05 2002 12.5"	9mmT6	EDIF,VF,VS,F* OFF TO ONE SIDE,PATCH,OVAL,UB,NND	
NGC 304		Galaxy S?	PF,S,R,SVLBM
Nov 20 2003 31"	17mmT4	MB,PL,OVAL-R,BLNUC,HISB CNTR,PAIR=PGC3302,R=G	
NGC 317A		Galaxy S?	
Sep 10 2004 31"	17mmT4	PB,ML,R,BLNUC,INTRACT=NGC317B,PAIR=PGC3448,MHISB CNTR,R=G	
NGC 317B		Galaxy SB?	
Sep 10 2004 31"	17mmT4	MB,PL,OVAL,PATCH,UB,NND,INTRACT=NGC317A,PAIR=PGC3448,R=G	

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NGC 389		Galaxy S0	EF,ES,R,*NR
Sep 10 2004 31"	17mmT4	MF,MS,EL,FSNUC,* ON EDGE,PAIR=393,R=G	
NGC 393		H54-1 Galaxy S0-:	F,VS,VLE,GBM,4S*NR
Sep 10 2004 31"	17mmT4	VB,PL,R,BLNUC,HISB CNTR,SBM,PAIR=389,R=G	
NGC 404		H224-2 Galaxy SA(s)0-:	PB,CL,R,GBM,
Aug 31 1984 12.5"	12mm	VF,MS,FNUC,F*NW 1 GLXY DIA,OVAL-R,SBM,KEEP BETA OUT OF FIELD	
Sep 23 1981 12.5"	16mm	F* TO NE 2 GLXY DIA AWAY,BM,KEEP BETA OUT OF FIELD,DIM NUC,MF,MS	
Sep 20 1981 12.5"	24mm		
Sep 10 1980 12.5"	24mm		
Aug 19 1980 12.5"	24mm		
Jul 11 1980 12.5"	24mm	V CLOSE TO B*	
NGC 425		Galaxy S?	VF,VS,R,LBM,*11ATT
Sep 10 2004 31"	17mmT4	MB,ML,OVAL,HISB,SBM,F* ON EDGE,PAIR=IC1647,R=G	
NGC 431		Galaxy SB0	F,S,VSBM
Sep 10 2004 31"	17mmT4	MF,MS,OVAL,BSNUC,MHISB CNTR,R=F	
NGC 464		Galaxy	
Sep 10 2004 31"	17mmT4	DIF,VF,PS,OVAL,UB,NND,F* SUSP IN GLXY,R=P	
NGC 477		H577-3 Galaxy SAB(s)c	VF,PS,VLE,VGLBM
Oct 30 2005 31"	17mmT4	PB,VL,OVAL,PATCH,VFLNUC,SVRL F*S IN AND SUR GLXY,PATCHY,PAIRS=PGC'S,R=G	
Dec 20 2003 31"	17mmT4	DIF,PF,MS,PATCH,NND,VF* IN GLXY,PATCHY DARK AREA'S DET,PAIR WITH PGC'S,R=F	
NGC 512		Galaxy Sab	VF,VS
Aug 10 2002 12.5"	9mmT6	DIF,PF,PS,EDGE ON,UB,CIGAR SHAPE	
NGC 513		H169-3 Galaxy S?	F,S,STELLAR
Aug 10 2002 12.5"	9mmT6	PF,PS,EDGE ON,BNUC,MHISB,BM,B* CLOSE BY	
NGC 523		H170-3 Galaxy Pec	DNEB,VF,VS,DIST30"
Sep 19 2020 36"	17mmT4	MB,ML,EL,EDGE ON,UB,NND,2*S BOTH ENDS IN GLXY,IRR IN SHAPE,R=FG	
Aug 10 2002 12.5"	9mmT6	DIF,MF,PL,EL,SBM,MHISB	
NGC 528		Galaxy S0	F,PL,R,LBM
Aug 10 2002 12.5"	9mmT6	DIF,MF,ML,OVAL,MHISB,SBM	
NGC 529		Galaxy S0-:	PB,VS,SBM,P OF 2
Dec 20 2003 31"	17mmT4	PB,ML,R,BLNUC,MHISB CNTR,F HALO AROUNDC NUC,PAIR=MAC GLXY,R=G	
NGC 531		Galaxy SB0/a:	F,S,R
Dec 20 2003 31"	17mmT4	PF,MS,EL,PATCHY CNTR,PAIR=536,542,R=F	
NGC 536		H171-3 Galaxy SB(r)b	PB,PL,GBM,F OF 2

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NGC 536		H171-3	Galaxy SB(r)b	PB,PL,GBM,F OF 2
Dec 20 2003 31"	17mmT4	PF,ML,EDGE ON,FSNUC,MHISB,B* IN GLXY,PAIR=531,542,R=G		
NGC 542			Galaxy S?	EF,DIFFIC
Dec 20 2003 31"	17mmT4	VDIF,VF,PS,PATCH,UB,NND,PAIR=531,536,R=P		
NGC 551		H560-3	Galaxy SBbc	VF,S,E,VGLBM,*13NR
Dec 20 2003 31"	17mmT4	PF,VL,OVAL,PATCH,FLNUC,R=G		
NGC 561			Galaxy (R)SB(s)a	EF,PL,R
Dec 20 2003 31"	17mmT4	PF,MS,EL,FSNUC,R=F		
NGC 562			Galaxy SA(rs)c	EF,PS,R,D*NR S
Dec 20 2003 31"	17mmT4	VDIF,VF,VL,OVAL,PATCH,UB,NND,R=F		
NGC 573			Galaxy S?	VF,VS,R,GBM
Dec 20 2003 31"	17mmT4	MF,ML,OVAL,UB,NND,MHISB,R=G		
NGC 590			Galaxy SBa	F,VS,(RR)
Dec 20 2003 31"	17mmT4	MF,MS,R,BNUC,MHISB CNTR,PAIR=PGC5796,R=F		
NGC 591			Galaxy (R')SB0/a	EF,PS,R,LBM,B*SF
Dec 20 2003 31"	17mmT4	MF,MS,EL,BSNUC,R=G		
NGC 605			Galaxy S0	VF,VS,R,BM
Dec 20 2003 31"	17mmT4	MF,MS,EL-OVAL,BSNUC,R=F		
NGC 620			Galaxy Pec	EF,VS,R,LBM
Dec 20 2003 31"	17mmT4	MF,MS,R,UB,NND,R=F		
NGC 653			Galaxy Sab	VF,PL,ME,LBM,SEV*INV
Dec 20 2003 31"	17mmT4	MF,MS,EL,FNUC,CNTR BULGE,DUST DET,R=G		
NGC 662			Galaxy S pec	F,S,R,MBM
Dec 20 2003 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,R=F		
NGC 668			Galaxy Sb	PF,PS,R,GBM
Dec 20 2003 31"	17mmT4	MF,MS,OVAL,PATCH,FSNUC,R=F		
NGC 679		H175-3	Galaxy S0-:	F,STELLAR
Oct 31 1980 12.5"	24mm			
NGC 687		H561-3	Galaxy S0	VF,STELLAR
Oct 09 2010 31"	17mmT4	MB,ML,R,BLNUC,WELL DEFINED NUC,SUDLY MBM,HISB,CNTR,AGC 262,R=G		
Dec 20 2003 31"	17mmT4	MF,ML,OVAL-R,BLNUC,MHISB,R=G		
NGC 700			Galaxy S0	EF,VS,R,SP703

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NGC 700		Galaxy S0	EF,VS,R,SP703
Nov 20 2003 31"	17mmT4	PF,PS,OVAL,PATCH,VFNUC,SBM,OTHERS PRESENT,R=F	
NGC 703		H562-3 Galaxy S0-:	VF,VS,R,1ST OF 4
Nov 20 2003 31"	17mmT4	MF,MS,EL,FSNUC,MHISB,NGC 708 CL OF 8,R=G	
NGC 704		H563-3 Galaxy S0	VF,VS,R,2ND OF 4
Nov 20 2003 31"	17mmT4	MF,MS,PATCH,UB,NND,SHISB,NGC 708 CL OF 8,R=G	
NGC 705		H564-3 Galaxy S0/a	VF,VS,R,3RD OF 4
Nov 20 2003 31"	17mmT4	MF,MS,EDGE ON, OVAL,FSNUC,CNTR BULGE,MHISB,NGC 708 CL OF 8,R=G	
NGC 708		H565-3 Galaxy E	F,PL,BM,4TH OF 4
Nov 20 2003 31"	17mmT4	MF,MS,FNUC,GMBM,F* IN GLXY,MHISB,NGC 708 CL OF 8,R=G	
Aug 31 1984 12.5"	12mm	VDIF,VF,VS,OVAL-UB PATCH,3 OTHER GLXY PRESENT,S CL NO *S	
NGC 709		Galaxy S0	VF,PS,BET2*,GROUP SP
Nov 20 2003 31"	17mmT4	MF,MS,EL,FSNUC,NGC 708 CL OF 8,R=F	
NGC 710		Galaxy Scd:	VF,PS,2*S
Nov 20 2003 31"	17mmT4	VF,ML,PATCH,UB,NND,F* ON EDGE,NGC 708 CUSTER OF 8,R=F	
NGC 712		Galaxy S0	VF,R,AM PB ST
Nov 20 2003 31"	17mmT4	VF,VL,BLNUC,HISB,SBM,R=E	
NGC 714		Galaxy S0/a	F,VS,R,2*13P\$NP
Dec 20 2003 31"	17mmT4	MF,MS,EDGE ON,FNUC,L CNTR BULGE,PAIR=717,R=F	
Nov 20 2003 31"	17mmT4	PB,PL,EL TO EDGE ON,VBNUC,* ON TIP,R=G	
NGC 717		Galaxy S0/a	VF,PS,*15SF1'
Dec 20 2003 31"	17mmT4	MF,MS,EL,UB,PAIR=714,R=F	
NGC 721		Galaxy SB(rs)bc	EF,PL
Dec 20 2003 31"	17mmT4	VDIF,VF,PS,PATCH,UB,NND,R=P	
NGC 732		Galaxy S0	VF*IN VF,VS,R,NEBY
Dec 20 2003 31"	17mmT4	PF,PS,EL,PATCH,VFNUC,R=F	
NGC 746		Galaxy Im	VF,PS,LE,SEV*NR
Sep 10 2004 31"	17mmT4	MF,ML,OVAL,FLNUC,R=F	
NGC 752		H32-7 Open Cluster II 2 r	CL,VVL,RI,*L\$SC
Aug 31 1984 12.5"	24mm	SAME	
Aug 13 1982 12.5"	24mm	VB,EL,MANY *S,OVERFILLS 24MM FIELD,BEST IN 8X50 FINDER,R,SC	
Sep 10 1980 12.5"	24mm		
NGC 753		Galaxy SAB(rs)bc	PB,PL,R,GMBM

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NGC 753		Galaxy SAB(rs)bc	PB,PL,R,GMBM
Dec 20 2003 31"	17mmT4	DIF,PF,VL,PATCH,UB,NND,R=F	
Aug 31 1984 12.5"	16mm	DIF,MF,PS,PATCHY-OVAL,SBM,NO *S CLOSE BY	
Sep 23 1981 12.5"	16mm	EF,ES,IT IS THE 4TH * LIKE FUZZ AT THE END OF A LINE OF 4B*S	
Sep 10 1980 12.5"	24mm		
NGC 759		Galaxy E	CL,VS,R
Dec 20 2003 31"	17mmT4	MF,MS,R,BLNUC,SHISB,PAIR=PGC7381,R=F	
NGC 797		H566-3 Galaxy SAB(s)a	VF,S,IR,SBM,*NR
Sep 10 2004 31"	17mmT4	MF,PS,R,BLNUC,R=F	
NGC 801		Galaxy Sc	EF,PS,IR,D*CLOSE F
Sep 10 2004 31"	17mmT4	MF,MS,EDGE ON,FLNUC,CNTR BULGE,R=F	
NGC 812		Galaxy S pec	EF,PL,E45,BM
Sep 10 2004 31"	17mmT4	PB,ML,EL,PATCH,MHISB,IRR,BKN PARTS DET,LOPSIDED,R=G	
NGC 818		H604-2 Galaxy SABc:	PB,CL,LE,MBM
Sep 10 2004 31"	17mmT4	MF,PL,OVAL,PATCH,VFLNUC,SMWHT BM,R=F	
NGC 828		H605-2 Galaxy Sa: pec	PB,S,IR,D*F15S
Sep 10 2004 31"	17mmT4	PF,ML,OVAL,FLNUC,SHISB CNTR,R=F	
NGC 834		H567-3 Galaxy S?	VF,S,LE
Sep 10 2004 31"	17mmT4	MB,ML,OVAL,PATCH,SHISB,R=G	
NGC 841		Galaxy (R')SAB(s)ab	PB,VS,MBMN=*13,14
Sep 10 2004 31"	17mmT4	MB,ML,EL,BSNUC,SBM,R=G	
NGC 845		H604-3 Galaxy Sb	VF,IF,STELLAR
Sep 10 2004 31"	17mmT4	PF,ML,EDGE ON,FSNUC,F* ON TIP,CNTR BULGE,R=F	
NGC 847		Non-Existent	
Sep 10 2004 31"	17mmT4	MB,ML,OVAL,UB,SHISB,F* ON EDGE,R=G	
NGC 891		H19-5 Galaxy SA(s)b? sp	B,VL,VME22
Aug 31 1984 12.5"	16mm	MF,ML,EDGE ON,S ARM BTR THAN N,DUST LANE DET,CNTR BULGE DET	
Sep 23 1981 12.5"	24mm	F* 13MAG NW SIDE, FTR * TO S TIP OF ARM,BULGE DET,ML,MB, EDGE ON	
Sep 20 1981 12.5"	24mm		
Sep 10 1980 12.5"	24mm		
Aug 22 1980 12.5"	24mm		
Jul 24 1980 12.5"	32mm	BEAUTIFUL!!!,DUST LANE VISIBLE	
Jul 17 1980 12.5"	24mm		
Jul 11 1980 12.5"	24mm		
NGC 898		H570-3 Galaxy Sab sp	EF,VS,LE

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NGC 898		H570-3	Galaxy Sab sp	EF,VS,LE
Sep 14 2012 36"	17mmT4	MF,MS,EDGE ON,FLNUC,CNTR BULGE,AGC 347,R=F		
Sep 10 2004 31"	17mmT4	MF,MS,EDGE ON,BLNUC,MHISB CNTR,R=G		
NGC 906			Galaxy SBab	EF,IE,
Sep 14 2012 36"	17mmT4	MF,ML,FLNUC,SHISB,B*S IN FOV,AGC 347,R=F		
Dec 20 2003 31"	17mmT4	VDIF,VF,ML,OVAL,PATCH,UB,NND,PAIR=909,R=F		
NGC 909			Galaxy E	VF,VS,VS*INV
Sep 14 2012 36"	17mmT4	MF,MS,BLNUC,BFOV *S,SUDLY MBM,MHISB CNTR,AGC 347,R=F		
Dec 20 2003 31"	17mmT4	DIF,VF,MS,OVAL,PATCH,UB,NND,PAIR=906,R=F		
NGC 910		H571-3	Galaxy E+	VF,PS,STELLAR
Sep 14 2012 36"	17mmT4	MB,PS,R,BLNUC,SHISB,AGC 347,R=F		
Oct 30 2005 31"	17mmT4	VB,VL,R,BLNUC,HISB,HISB NUC AREA,R=E		
Dec 20 2003 31"	17mmT4	MF,MS,OVAL,FSNUC,SHISB CNTR,R=F		
NGC 911			Galaxy E	EF,VS,R,BM
Sep 14 2012 36"	17mmT4	MB,MS,EL,BLNUC,MHISB CNTR,AGC 347,R=FG		
Oct 30 2005 31"	17mmT4	MF,MS,OVAL,FLNUC,PAIR=PGC9203,R=F		
Sep 10 2004 31"	17mmT4	MB,VS,R,BSNUC,SHISB CNTR,R=F		
NGC 912			Galaxy E	F,VS,R,BM
Sep 14 2012 36"	17mmT4	PF,PS,OVAL,FSNUC,SHISB,AGC 347,R=F		
Dec 20 2003 31"	17mmT4	PF,MS,PATCH,UB,NND,PAIR=913,R=F		
NGC 913			Galaxy E	EF,VS,LBM
Sep 14 2012 36"	17mmT4	PF,PS,OVAL,FSNUC,SHISB,AGC 347,R=F		
Dec 20 2003 31"	17mmT4	DIF,PF,PS,PATCH,UB,NND,PAIR=912,R=F		
NGC 914			Galaxy SA(s)c	EF,PL,DIF
Sep 14 2012 36"	17mmT4	MF,ML,OVAL,PATCH,UB,NND,AGC 347,R=F		
Dec 20 2003 31"	17mmT4	DIF,VF,ML,OVAL,PATCH,UB,NND,R=F		
NGC 920			Galaxy (R')SB(s)ab	EF,ES,R,1OR2EF* NR
Dec 20 2003 31"	17mmT4	MF,MS,PATCH,UB,NND,SHISB,F* IN EDGE,SVRL *S IN AREA,R=F		
NGC 923			Galaxy Sb:	VF,S,R,GSBM
Sep 14 2012 36"	17mmT4	MB,MS,OVAL,FLNUC,NICE PAIR OF 3 GLXY,AGC 347,R=FG		
Dec 20 2003 31"	17mmT4	MF,MS,R,FLNUC,SHISB CNTR,R=F		
NGC 933			Galaxy S?	EF,ES,R,B*NF
Dec 20 2003 31"	17mmT4	MB,PS,OVAL,FLNUC,R=F		
NGC 937			Galaxy SBcd?	VF*SLIGHTLYNEBULOUS
Sep 10 2004 31"	17mmT4	VF,VS,PATCH,UB,NND,F* IN GLXY,ALM *,R=P		

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NGC 946		Galaxy S0:	F,S,R,GLBM
Sep 10 2004 31"	17mmT4	MF,PS,R,BSNUC,R=F	
NGC 956		Open Cluster IV 2 m	CL,PRI,*9...15
Sep 10 2004 31"	17mmT4	EB,EL,~40*S,VAR MAG,SC,R=P	
NGC 980		H572-3 Galaxy S0	VF,PS,SP OF 2
Sep 11 2004 31"	17mmT4	MB,ML,EL,BLNUC,HISB,LNUC AREA,GMBM,PAIRS=982,PGC'S,MAC,R=G	
NGC 982		H573-3 Galaxy Sa	F,S,NF OF 2
Sep 11 2004 31"	17mmT4	MB,ML,EL,BLNUC,HISB,LNUC AREA,GMBM,PAIRS=980,PGC'S,MAC,R=G	
NGC 995		Galaxy S0	VF,VS
Dec 06 2002 12.5"	9mmT6	EDIF,EF,MS,OVAL,PATCH,F* IN GLXY,CL OF 7 GLXY	
NGC 996		Galaxy E	VF,VS
Dec 06 2002 12.5"	9mmT6	MF,ML,BNUC,OVAL,HISB,GBM,PAIR/999/1001, CL OF 7 GLXY	
Aug 17 1982 12.5"	16mm	VDIF,EF,ES,JUST E OF A GRP OF 4-5*S,2F*S N SUSP,NND,UB,PAIR/1000/999/1001	
NGC 999		Galaxy (R')SAB(s)a	EF
Dec 06 2002 12.5"	9mmT6	VDIF,VF,PS,F OVAL PATCH,UB,PAIR/996/1001,CL OF 7 GLXY	
Aug 17 1982 12.5"	16mm	EDIF,EF,VS,F* IN GLXY OR SETLL NEC,JUST SL N OF 996,F*NE,PAIR/996/1000/1001	
NGC 1000		Galaxy C	VVF,PS,DIF
Dec 06 2002 12.5"	9mmT6	EDIF,EF,VS,EL,AV ABLE TO HOLD,PATCH,UB,CL OF 7 GLXY	
Aug 17 1982 12.5"	16mm	EDIF,EF,MS,R,PATCHY,VF*E PART SUSP,UB,NND,PAIR/996/1001/999	
NGC 7440		Galaxy SB(r)a	EF,S,IR
Sep 18 2004 31"	17mmT4	PF,MS,PATCH,VFSNUC,VF* OFF EDGE,R=F	
NGC 7445		Galaxy E/S0	EF,VS
Sep 18 2004 31"	17mmT4	MF,MS,OVAL,PATCH,FLNUC,SLT BM,PAIRS=7449,7446,MAC,R=G	
NGC 7446		Galaxy	EF,VS,R,R
Sep 18 2004 31"	17mmT4	MF,MS,OVAL,PATCH,FLNUC,VF* OFF ONE SIDE,SLT BM,PAIRS=7449,7445,MAC,R=G	
NGC 7449		Galaxy E:	VF,S,R,VS*INCENTRE
Sep 18 2004 31"	17mmT4	MF,MS,OVAL,FLNUC,SLT BM,PAIRS=7446,7445,MAC,R=G	
NGC 7618		Galaxy E	F,S,R,GBM
Sep 18 2004 31"	17mmT4	PB,ML,ELOG,BLNUC,HISB CNTR,GMBM,PAIRS=MAC'S,R=G	
NGC 7640		H600-2 Galaxy SB(s)c	CF,L,ME164,VLBM,R
Aug 31 1984 12.5"	16mm	DIF,PF,ML,EL,UB,B* ON W TIP,B* ON E SIDE,STRETCHES BET 2*S,PREVIOUS * THERE	
Sep 23 1981 12.5"	16mm	EL3B*S SUR GLXY,F 14* ON SE ARM,DIF ARMS,SBM,MB,PS	
Sep 10 1980 12.5"	24mm		

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NGC 7662	H18-4	Planetary Neb 4+3	PLN ORRING,VB,PS,R
Sep 22 2022 12.5" 9mmT6	VB,PL,B CNTR *,GRAN NEB SUR *,NEB FADES,MHISB NEB,R=G		
Sep 02 2008 31" 17mmT4	VB,ML,OVAL-R,B GREENISH,B INNER RING NOT SYM,B GREENISH EDGES IN SPOTS,CNTR* 14TH MAG,R=E		
Aug 31 1984 12.5" 12mm	MB,VS,VR,UNIFORM BLUEISH COLOR,* CLOSE BY		
Sep 23 1981 12.5" 16mm	B BLUEISH GREEN,UB,R WITH FUZZY EDGES,NO CNTR *,MB,PS,15* SW		
Jul 15 1980 12.5" 24mm			
NGC 7686	H69-8	Open Cluster III 2 p	CL,P,LC,*7...11
Sep 22 2022 12.5" 12mmT4	(III 2 p),VB,VL,CL DET,LITTLE CONC,FEW B*S WITH FTR *S,~20*S,(12:20am),R=F		
Aug 31 1984 12.5" 24mm	SAME		
Aug 11 1982 12.5" 24mm	MB,PL,B ORANGE * IN CNTR,LOOSE,LTL CL EFFECT,~40*S		
Sep 10 1980 12.5" 24mm			
NGC 7707	H579-3	Galaxy S0-:	EF,S,R,*9,10P VNR
Sep 18 2004 31" 17mmT4	MB,ML,FLNUC,VF* IN EDGE,MHISB CNTR,GMBM,R=G		
NGC 7831		Galaxy Sb: sp	EF,VS,ME,VF*VNR
Sep 10 2004 31" 17mmT4	PB,PL,EDGE ON,VFNUC,MHISB,F* OFF TIP,SOME CNTR BULDGING DET,R=G		
NGC 7836		Galaxy I?	EF,VS,R,BET2*
Sep 14 2012 36" 17mmT4	MB,PS,EL-OVAL,FLNUC,SHISB,R=FG		
Sep 12 2002 12.5" 9mmT6	PF,PS,R,PATCH,SBM		
PGC 18		Galaxy S	
Sep 18 2004 31" 17mmT4	PF,MS,R,UB,NND,F* OFF EDGE,B* CLOSE,R=F		
PGC 71		Galaxy S	
Sep 10 2004 31" 17mmT4	EDIF,EF,MS,SUSP,PAIRS=PGC'S,R=P		
PGC 77		Galaxy SAB a:	
Sep 10 2004 31" 17mmT4	DIF,PF,ML,OVAL,PATCH,PAIRS=PGC'S,R=F		
PGC 91		Galaxy SBab	
Sep 10 2004 31" 17mmT4	DIF,PF,PL,OVAL,PATCH,PATCHY AREAS,PAIRS=PGC'S,R=F		
PGC 731		Galaxy Scd:	
Aug 30 2003 31" 25mm	VDIF,EF,MS,PATCH,AV,SUSP,PAIR/NGC27,R=P		
Sep 12 2002 12.5" 9mmT6	EDIF,EF,ES,*,AV,PAIR/27		
PGC 739		Galaxy C	
Aug 30 2003 31" 25mm	VF,ES,SUSP,*,LOC GOOD,R=P		
PGC 748		Galaxy S0	
Aug 30 2003 31" 25mm	MB,ML,R,BSNUC,MHISB,DEFINED NUC,R=G		
Sep 12 2002 12.5" 9mmT6	VDIF,VF,PS,OVAL,PATCH,UB		

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PGC 762		Galaxy SB?
Aug 30 2003 31"	25mm	DIF,VF,ES,PATCH,UB,* JUST ON EDGE,R=P
PGC 768		Galaxy C
Aug 30 2003 31"	25mm	MF,VS,PATCH,R=F
PGC 791		Galaxy (R')SAB(s)0+
Aug 30 2003 31"	25mm	PB,MS,OVAL,BSNUC,GMB,R=F
Sep 12 2002 12.5"	9mmT6	EEDIF,EF,ES,PATCH,UB
PGC 816		Galaxy SBb:
Aug 30 2003 31"	25mm	DIF,PF,MS,R,*NUC OR VF* IN GLXY,LOC IN BARRON FOV,R=F
PGC 835		Galaxy S?
Aug 30 2003 31"	25mm	PF,PS,PATCH,UB,NND,R=F
PGC 921		Galaxy S?
Sep 12 2002 12.5"	9mmT6	DIF,VF,VS,OVAL,SBM
PGC 1138		Galaxy S?
Nov 20 2003 31"	17mmT4	DIF,MF,MS,OVAL,PATCH,UB,NND,NGC 70 CL OF 12,R=F
Oct 05 2002 12.5"	12mm	EDIF,EF,ES,PATCH,AV
PGC 1154		Galaxy Scd:
Nov 20 2003 31"	17mmT4	VDIF,VF,PL,PATCH,UB,NND,VF*S IN GLXY,NGC 70 CL OF 12,R=F
Oct 05 2002 12.5"	9mmT6	EEDIF,EF,ES,AV,LOC GOOD
PGC 1163		Galaxy
Nov 20 2003 31"	17mmT4	MF,VS,PATCH,UB,NND,CLOSE TO B*,NGC 70 CL OF 12,R=P
Oct 05 2002 12.5"	9mmT6	EEDIF,EF,ES,2F*S ON EITHER SIDE,FORMS TRIANGLE,USE AV
PGC 1183		Galaxy
Nov 20 2003 31"	17mmT4	PF,VS,R,UB,NND,IN CL OF F*S,NGC 70 CL OF 12,R=F
PGC 1266		Galaxy
Nov 20 2003 31"	17mmT4	VDIF,MF,VS,PATCH,BNUC OR * IN GLXY,F* IN GLXY,PAIR/NGC76,R=P
Oct 05 2002 12.5"	12mm	EEDIF,EF,ES,AV ONLY
PGC 1396		Galaxy
Oct 05 2002 12.5"	9mmT6	EDIF,EF,ES,PATCH,OVAL
PGC 1539		Galaxy S
Sep 10 2004 31"	17mmT4	DIF,VF,MS,PATCH,UB,PAIR=IC1550,R=P
PGC 1614		Galaxy S?
Sep 12 2007 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,HICKSON 1,R=F

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PGC 1618		Galaxy L
Sep 12 2007 31"	17mmT4	EF,VS,PATCH,NND,HICKSON 1,R=P
PGC 1625		Galaxy S0?
Sep 12 2007 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,CLOSE COMP,BARELY SEP,HICKSON 1,R=P
PGC 1627		Galaxy S?
Sep 12 2007 31"	17mmT4	PF,MS,EL,PATCH,UB,NND,CLOSE COMP,BARELY SEP,HICKSON 1,R=F
PGC 1628		Galaxy
Sep 12 2007 31"	17mmT4	VF,VS,R,UB,NND,HICKSON 1,R=P
PGC 2026		Galaxy S0
Sep 26 2019 36"	17mmT4	(Class ?),MV,MS,EL,BSNUC,VF* OFF NUC,R=PF
PGC 2458		Galaxy Scd:
Dec 12 2012 36"	17mmT4	MF,ML,NND,PA~70,SMWHT A CNTR BULGE,R=FG
PGC 2562		Galaxy S?
Sep 14 2012 36"	17mmT4	PF,VS,EL,PATCH,UB,NND,PAIRS=228/229,R=PF
PGC 2605		Galaxy C
Sep 14 2012 36"	17mmT4	PF,PS,R,BSNUC,R=F
Oct 05 2002 12.5"	9mmT6	EF,ES,*
PGC 2736		Galaxy
Sep 14 2012 36"	17mmT4	VF,VS,EL,PATCH,UB,NND,* CLOSE BY,R=P
PGC 2773		Galaxy S
Sep 10 2004 31"	17mmT4	DIF,PS,PS,EL,PATCH,UB,NND,PAIRS=IC1583,IC1585,R=F
PGC 2886		Galaxy S?
Sep 12 2007 31"	17mmT4	PF,PS,OVAL,VFSNUC,ALL 4 CAN BE SEP,D,HICKSON 8,R=F
PGC 2888		Galaxy S?
Sep 12 2007 31"	17mmT4	PF,PS,OVAL,VFSNUC,ALL 4 CAN BE SEP,D,HICKSON 8,R=F
PGC 2890		Galaxy S?
Sep 12 2007 31"	17mmT4	PF,PS,OVAL,VFSNUC,ALL 4 CAN BE SEP,D,HICKSON 8,R=F
PGC 2892		Galaxy S?
Sep 12 2007 31"	17mmT4	VF,VS,OVAL,NND,ALL 4 CAN BE SEP,D,HICKSON 8,R=P
PGC 3302		Galaxy Spiral
Nov 20 2003 31"	17mmT4	PF,PS,FSNUC,PAIR=NGC304,R=F
PGC 3420		Galaxy S?

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PGC 3420		Galaxy S?
Nov 20 2003 31"	17mmT4	DIF,VF,VS,PATCH,UB,NND,R=P
PGC 3448		Galaxy Sb
Sep 10 2004 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,PAIRS=317A,317B,R=F
PGC 4355		Galaxy SAB(rs)c
Sep 10 2004 31"	17mmT4	DIF,VF,PL,OVAL,PATCH,UB,NND,B* IN GLXY,R=P
PGC 4878		Galaxy Sc
Oct 30 2005 31"	17mmT4	VF,PS,PATCH,UB,NND,PAIRS=477/PGC4901,R=P
Dec 20 2003 31"	17mmT4	EDIF,VF,PS,PATCH,UB,NND,PAIR=477,R=P
PGC 4879		Galaxy S0?
Dec 20 2003 31"	17mmT4	PF,MS,OVAL,FSNUC,F* ON EDGE,MHISB,R=F
PGC 4901		Galaxy Sc
Oct 30 2005 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIRS=477/PGC4878,R=F
Dec 20 2003 31"	17mmT4	VDIF,VF,PS,PATCH,UB,NND,PAIR=477,R=P
PGC 5518		Galaxy Sc
Dec 20 2003 31"	17mmT4	EDIF,EF,ES,PATCH,AV,SUSP,R=P
PGC 5589		Galaxy Scd:
Dec 20 2003 31"	17mmT4	DIF,VF,PL,OVAL,PATCH,UB,NND,R=F
PGC 5796		Galaxy
Dec 20 2003 31"	17mmT4	VF,VS,PATCH,NND,PAIR=590,R=P
PGC 6685		Galaxy
Oct 09 2010 31"	17mmT4	MF,MS,EL,FLNUC,AGC 262,R=F
PGC 6725		Galaxy S
Oct 09 2010 31"	17mmT4	VF,VS,EL,PATCH,UB,AGC 262,R=P
PGC 6758		Galaxy C
Oct 09 2010 31"	17mmT4	VF,VS,OVAL,PATCH,AGC 262,R=P
PGC 6768		Galaxy C
Oct 09 2010 31"	17mmT4	MF,PS,OVAL,FSNUC,AGC 262,R=F
PGC 6807		Galaxy E
Oct 09 2010 31"	17mmT4	MB,PS,R,BSNUC,B* AND ONE F* EGDG OF NUC,SHISB CNTR,AGC 262,R=F
PGC 6845		Galaxy C
Oct 09 2010 31"	17mmT4	EF,VS,PATCH,~15...16TH MAG,AGC 262,R=P

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PGC 6865		Galaxy S?
Oct 09 2010 31"	17mmT4	MF,MS,OVAL,PATCH,NND,SHISB,AGC 262,R=F
PGC 6875		Galaxy C
Oct 09 2010 31"	17mmT4	VF,VS,EL,NND,AV HOLDS,AGC 262,R=P
PGC 6886		Galaxy Spiral
Oct 09 2010 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,AV FIRST THEN HOLDS,AGC 262,R=P
Nov 20 2003 31"	17mmT4	VDIF,VF,PS,PATCH,UB,NND,R=P
PGC 6899		Galaxy C
Oct 09 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,TOOK AV A WHILE TO FIND THEN HOLDS,AGC 262,R=P
PGC 6911		Galaxy S+
Nov 20 2003 31"	17mmT4	VDIF,VF,PS,PATCH,UB,NND,OTHERS PRESENT,R=P
PGC 6928		Galaxy S0?
Nov 20 2003 31"	17mmT4	PF,PS,OVAL,PATCH,NND,SHISB,OTHERS PRESENT,R=F
PGC 6945		Galaxy C
Nov 20 2003 31"	17mmT4	PF,VS,PATCH,UB,NND,NGC 708 CL OF 8,R=P
PGC 6948		Galaxy (R)SBa
Nov 20 2003 31"	17mmT4	VB,MS,BNUC,GMBM,* ON EDGE,HISB,R=G
PGC 6961		Galaxy SAB(rs)c
Nov 20 2003 31"	17mmT4	MB,VL,R,FSNUC,L HALO OF ARMS,R=G
PGC 6974		Galaxy
Nov 20 2003 31"	17mmT4	VDIF,VF,VS,PATCH,NND,NGC 708 CL OF 8,R=P
PGC 6977		Galaxy SB(r)b
Nov 20 2003 31"	17mmT4	DIF,PF,VL,PATCH,UB,NND,R=G
PGC 7006		Galaxy S0-:
Nov 20 2003 31"	17mmT4	MF,ML,OVAL,BLNUC,SHISB,R=F
PGC 7381		Galaxy S0/a
Dec 20 2003 31"	17mmT4	DIF,PF,VS,PATCH,UB,PAIR=759,R=P
PGC 8161		Galaxy SAB(rs)c
Oct 25 2006 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,V CLOSE COMP=MAC,R=F
PGC 8351		Galaxy S
Sep 10 2004 31"	17mmT4	PF,MS,EL,PATCH,UB,NND,R=P
PGC 8961		Galaxy SA(s)b pec

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PGC 8961		Galaxy SA(s)b pec
Oct 25 2006 31"	17mmT4	PB,ML,EL,BSNUC,2F*S BOTH ENDS,SBM,MHISB CNTR,PAIR=PGC8970,R=G
PGC 8970		Galaxy SB
Oct 25 2006 31"	17mmT4	MB,ML,EDGE ON,PATCH,UB,NND,F* BET GLXY,CIGAR SHAPE,PAIR=PGC8961,R=G
PGC 9060		Galaxy Ring A
Oct 25 2006 31"	17mmT4	PF,MS,R,BLNUC,HISB CNTR,VF* OFF ONE SIDE,2F*S OTHER SIDE,PAIR=P9062,R=G
PGC 9062		Galaxy Pec
Oct 25 2006 31"	17mmT4	VF,VS,S PATCH,UB,NND,MOVE B* OUT OF FOV,F* GLOW AREOUND 2F*S,TRI *S,R=P
PGC 9101		Galaxy
Sep 14 2012 36"	17mmT4	MF,MS,EL,FSNUC,R=PF
PGC 9108		Galaxy E/U
Sep 14 2012 36"	17mmT4	MF,PS,OVAL,UB,SHISB,KEEP B* OUT OF FOV,* OFF EDGE,AGC 347,R=F
Sep 10 2004 31"	17mmT4	VF,PS,PATCH,UB,NND,* IN GLXY,B* IN FOV,R=P
PGC 9151		Galaxy
Sep 14 2012 36"	17mmT4	PF,PS,EL-EDGE ON,UB,NND,F* OFF TIP,AGC 347,R=PF
PGC 9152		Galaxy SB
Sep 14 2012 36"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,AGC 347,R=PF
PGC 9180		Galaxy SBa
Sep 14 2012 36"	17mmT4	MF,PS,OVAL,PATCH,UB,F* OFF ONE EDGE,SHISB,AGC 347,R=F
Oct 30 2005 31"	17mmT4	MF,PS,EL,PATCH,NND,VF* IN EDGE,2*S IN LINE OFF TO SIDE,PATCHY,PAIR=MAC,R=F
PGC 9196		Galaxy C
Sep 14 2012 36"	17mmT4	PF,PS,FSNUC,AGC 347,R=P
PGC 9203		Galaxy C
Sep 14 2012 36"	17mmT4	MF,PS,EL-OVAL,FLNUC,SHISB CNTR,AGC 347,R=F
Oct 30 2005 31"	17mmT4	MF,PS,R,FLNUC,MHISB CNTR PART OF NUC,PAIR=911,R=F
PGC 9301		Galaxy S?
Sep 14 2012 36"	17mmT4	PF,PS,PATCH,UB,SHISB,AGC 347,R=F
PGC 9307		Galaxy
Sep 14 2012 36"	17mmT4	PF,PS,PATCH,UB,NND,SHISB,AGC 347,R=F
PGC 9312		Galaxy
Sep 14 2012 36"	17mmT4	EF,VS,PATCH,AV HOLDS,AGC 347,R=P
PGC 9348		Galaxy S
Sep 14 2012 36"	17mmT4	MF,MS,EL,UB,NND,NICE PAIR OF 3 GLXY,AGC 347,R=F

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PGC 9357		Galaxy S?
Sep 14 2012 36"	17mmT4	MF,PS,OVAL,FSNUC,NICE PAIR OF 3 GLXY,AGC 347,R=F
PGC 9683		Galaxy E
Nov 17 2012 36"	17mmT4	PF,MS,EDGE ON,UB,NND,SLT CNTR BULGE,PA~90,R=F
PGC 9848		Galaxy SB
Sep 11 2004 31"	17mmT4	VDIF,EF,VS,PATCH,UB,AV,PAIRS=980,982,PGC9849,MAC,R=P
PGC 9849		Galaxy Sdm:
Sep 11 2004 31"	17mmT4	VDIF,EF,PS,PATCH,UB,AV,PAIRS=980,982,PGC9848,MAC,R=P
PGC 10025		Galaxy SABdm?
Oct 30 2005 31"	17mmT4	DIF,EF,PS,OVAL,PATCH,UB,NND,AV,R=P
PGC 70226		Galaxy SBab
Sep 18 2004 31"	17mmT4	MF,MS,EL,FSNUC,BARELY BM,R=F
PGC 71014		Galaxy E:
Sep 18 2004 31"	17mmT4	MF,MS,OVAL,FLNUC,SHISB CNTR,PAIR=MAC,R=F
PGC 71115		Galaxy SBb
Sep 18 2004 31"	17mmT4	DIF,PF,MS,PATCH,NND,B* IN FOV,PAIR=MAC,R=F
PGC 73195		Galaxy Scd:
Sep 18 2004 31"	17mmT4	PF,MS,R,UB,NND,5F*S SUR EDGE,PAIRS=IC1525,MAC'S,R=F
PGC 73197		Galaxy S
Sep 18 2004 31"	17mmT4	DIF,VF,PS,PATCH,UB,NND,LAST LISTED PGC,R=P

Antlia - The Air Pump

IC 2531		Galaxy Sc: sp
Feb 09 2013 36"	17mmT4	MF,ML,EDGE ON,FLNUC,PA~80,SLT CNTR BULGE,TAPERED ENDS,18,4 DEG ALT,ANT,R=F
NGC 2997		H50-5 Galaxy SAB(rs)c VF,VL,VGVSBMN4"
Feb 22 2020 36"	17mmT4	MB,PL,OVAL,FLNUC,17 DEG ALT,L AREA FT GLOW DET,NUC EASLY DET,R=FG
PGC 29743		Galaxy Sbc: sp
Feb 09 2013 36"	17mmT4	VF,MS,EDGE ON,UB,PA~140,VS B BLUE LOOKING PN IN NUC RGN,AV TO DETECT DIR OF GLXY,R=P

Aquila - The Eagle

ABELL 70		Planetary Neb	
Jun 25 2003	12.5" 9mmT6	VDIF,VF,MS,R,PATCH,F* ON ONE EDGE,AV,R=F	
BERK 80		Open Cluster II 1 p	
May 13 2021	36" 17mmT4	(II 1 p),PF,MS,CL EASILY DET,~20*S SAME MAG,F BG GLOW DET,(3:58am),R=F	
BERK 82		Open Cluster III 1 p	
May 13 2021	36" 17mmT4	(III 2 p),MB,ML,~20*;S VAR MAG,CL DET,4 B*S IN ARC ALONG EDGE OF CL,(4:17am),R=F	
CR 401		Open Cluster IV 2 m	
May 30 2022	36" 17mmT4	(III 2 p),VB,MS,V* IN MID OF CL,FOV *?,~20-30*S,VAR MAG,LOOSELY SC GROUP,(3:00am),R=F	
IC 1298		Open Cluster	VS CL, 6778 P 3'
Jun 20 2004	31" 17mmT4	MF,MS,OVAL,UB,NND,SVRL F*S IN EDGE AND SUR GLXY,R=F	
IC 1317		Galaxy E+?	
May 16 2004	31" 17mmT4	MF,MS,R,FLNUC,F* OFF EDGE,R=F	
IC 1327		Galaxy S0+?	
May 16 2004	31" 17mmT4	PF,MS,PATCH,UB,NND,CLOSE TO B*,R=P	
IC 4846		Planetary Neb 2	
Sep 02 2008	31" 17mmT4	MF,VS,R,NO CNTR*,OIII MAKES NEB STAND OUT,B BLUE,R=G	
May 16 2004	31" 17mmT4	PB,VS,R,WITH OIII,B BLUE, R DISK,HISB,R=G	
IC 5006		Galaxy	*14 IN F, VS, R NEB
Jun 19 2004	31" 17mmT4	LOC GOOD, NO FIND,NGC 6906 V CLOSE TO LOC,W/DSS IMAGE,R=P	
KING 25		Open Cluster III 2 m	
May 30 2022	36" 17mmT4	(III 2 m) MB,VL,~50*S,NICE FIT IN FOV,* SIM IN MAG,FEW BTR,FEW FTR,(1:33am),R=F	
MINK 1-70		Planetary Neb 1	
Sep 02 2008	31" 17mmT4	MF,ES,R,OIII HELPS LTL,BLUEISH S BALL,NO CNTR*,HARD TO DET FROM FOV *S,R=F	
NGC 6709		Open Cluster IV 2 m	CL,PRI,LC,IF
May 13 2021	36" 31mmT5	(IV 2 m),EB,EL,GRP OF B*S TO W NOT PART OF CL BUT LOOKS LIKE THEY DO,FOV V NICE,(3:40am),R=G	
Aug 31 1984	12.5" 24mm	MB,PL,*S SC,~20-40 B*S,F BG GLOW DET	
Jul 10 1981	12.5" 24mm	STANDS OUT IN FOV,*S DISPERSE AMONG CL	
NGC 6724		Open Cluster cluster?	CL
Jun 25 2003	12.5" 9mmT6	PB,PL,~10*S,LOOSE,SC,R=P	
NGC 6735		Open Cluster	CL,VL,P,ST12...
Jun 25 2003	12.5" 9mmT6	MB,ML,~30*S,LOOSE,SC,EL IN SHAPE,B* IN CNTER,R=F	
NGC 6738		Open Cluster IV 2 p	CL,P,LC

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NGC 6738		Open Cluster IV 2 p	CL,P,LC
Jun 25 2003 12.5"	9mmT6	VF,EL,FILLS FOV,LOOSE,SC,*S 8 TO 10 MAG,R=F	
NGC 6741		Planetary Neb 4	PLN,STELLAR
Sep 02 2008 31"	17mmT4	VF,PS,R,OIII HELPS,NEB BTR,BTR,B BLUE,SLT HINT OF EL RINGS,R=G	
Aug 31 1984 12.5"	12mm	MB,ES,1/3 WAY BET 2F*S,VF GLOW DET WITH AV	
Jul 10 1981 12.5"	12mm	JUST S OF 11MAG *,BLUE GREEN COLOR,VB,ES	
NGC 6749		Globular	CL,L,LC,ST L\$S
Jun 28 2019 36"	17mmT4	(Class XII),EF,PS,PATCH,UB,NND,R=P	
Jun 25 2003 12.5"	9mmT6	PB,ML,*S NOT GRP WELL,VF BG GLOW,R=P	
NGC 6751		Planetary Neb 3	PB,S
Sep 02 2008 31"	17mmT4	MB,PL,R,B GREENISH,CNTR* 15TH MAG,OIII DOESNOT HELP MUCH,PATCHY AREAS IN NEB,R=E	
Jul 10 1981 12.5"	12mm	R,BLUE GREEN,MF,VS	
NGC 6755		H19-7	Open Cluster II 2 r
Aug 31 1984 12.5"	24mm	SAME,MB,PL	CL,VL,VRI,PC,,*12.14
Jul 10 1981 12.5"	24mm	SMWHT GRP TGT,APPREARS TO BE A DBL CL	
Jul 15 1980 12.5"	24mm		
NGC 6756		H62-7	Open Cluster I 1 m
Aug 31 1984 12.5"	16mm	SAME	CL,S,RI,LC,*11...12
Jul 10 1981 12.5"	16mm	INDIVIDUAL *S JUST BARELY VISIBLE,VDIF,RESEMBLES A L GLXY OR GLOB X	
NGC 6760		Globular	2 19 08.6+0057
Jun 28 2019 36"	17mmT4	(Class XII),MB,ML,MANY F*S RSLV, SUR SOFT UB BLNUC,R=G	
Aug 31 1984 12.5"	16mm	SAME,MHISB,3F*S ON OUTER EDGE	
Jul 10 1981 12.5"	12mm	DIF,R,PF,ML,*S 10...11 MAG,NO DIF HALO	
Jul 15 1980 12.5"	24mm		
Jul 11 1980 12.5"	24mm		
NGC 6772		H14-4	Planetary Neb 3b+2
Jul 10 1981 12.5"	12mm	VDIF,R,LOCATED IN BARREN * FIELD,EF	VF,L,R,VVLBM,R
NGC 6775		Open Cluster cluster?	CL,P,LC,ST10...11
Jun 25 2003 12.5"	9mmT6	PB,VL,VF*S ,EL IN SHAPE MIGHT NOT BE ASSOC WITH CL,*S 8 TO 15 MAG,R=F	
NGC 6778		Planetary Neb 3+3	S,E,ILL-DEFINED DISC
Sep 02 2008 31"	17mmT4	PB,MS,OVAL-R,GREENISH,OIII HELPS LTL,NO CNTR*,BTR AREAS DET,MORE OVAL,R=G	
May 16 2004 31"	17mmT4	MB,MS,R,WITH OIII,PATCHY AREA DET,MHISB,SOFT BLUE,R=E	
Jul 10 1981 12.5"	12mm	BLUE,MF,MS	
NGC 6781		H743-3	Planetary Neb 3+3
Sep 02 2008 31"	17mmT4	MB,VL,OVAL,NO CNTR*,ONE SIDE BKN,OIII HELPS SMWHT L CNTR DARK AREA,R=E	PLN,F,L,R,VSBM DISC
Aug 31 1984 12.5"	12mm	MF,PL,R,PATCHY,RESEMBLES HELIX NEB	
Jul 10 1981 12.5"	12mm	VL,DIF,R,DARK PATCHES SEEN IN CNTR AREA,GRAYISH COLOR DIF NEB	

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NGC 6790		Planetary Neb 2	PLN,B,ES,STELL=9.5M
Sep 02 2008 31"	17mmT4	PB,VS,R,GREENISH BBALL,OIII HELPS,NO CNTR*,B BLUEISH,VF HALO SUR BALL,R=G	
Jul 10 1981 12.5"	12mm	ES,JUST E OF 12MAG *,DIF OUTER HALO JUST VISIBLE	
NGC 6803		Planetary Neb 2a	PLN,STELLAR
Sep 02 2008 31"	17mmT4	MB,ES,R,GREENISH S BALL,OIII HELPS LTL,BLUEISH,VS BBALL,R=F	
Jul 10 1981 12.5"	12mm	GREENISH,CNTR * DET,F* ON W EDGE OF NEB	
NGC 6804		H38-6	Planetary Neb 4+2
Sep 02 2008 31"	17mmT4	MB,BL,OVAL,GREENISH,SVRLF*S IN NEB,CNTR* 15TH MAG,OIII DOESNOT HELP MUCH,R=G	CB,S,IR,RRR
Aug 31 1984 12.5"	12mm	PF,MS,BNUC,R-OVAL,SBM,F* TOWARDS OUTER EDGE,PATCHY	
Jul 10 1981 12.5"	12mm	GREEN,DIF,PF,MS,CNTR * ~14MAG	
NGC 6807		Planetary Neb 2	PLN,STELLAR
Sep 02 2008 31"	17mmT4	MB,ES,R,OIII HELPS DET FROM FOV *S,BLUEISH,NO CNTR*,VS AND R,R=F	
Jun 25 2003 12.5"	5mmT6	BLUEISH,VF HALO SUR *,*	
Jun 25 2003 12.5"	9mmT6	MB,ES,R=F	
NGC 6814		H744-3	Galaxy SAB(rs)bc
Jul 30 2002 12.5"	12mm	PF,PS,FACE ON,3 F*S SUR OBJ,SOME SPR STR SUSP,BM	PF,PL,R,BM,R
Aug 31 1984 12.5"	16mm	VDIF,PF,MS,SAME	
Jul 10 1981 12.5"	12mm	DIF,NO STR DET,F* ON W EDGE	
NGC 6821		Galaxy SB(s)d:	F,PL,R
Jun 25 2003 12.5"	9mmT6	VDIF,VF,PS,PATCH,UB,AV,R=P	
NGC 6837		H18-8	Open Cluster IV 1 p
Jun 25 2003 12.5"	9mmT6	PB,ML,~15*S,FEW B*S,LOOSE,SC,DOES NOT STAND OUT WELL,*S 8-12 MAG	CL,S,P
NGC 6840		H19-8	Open Cluster cluster?
Jun 25 2003 12.5"	9mmT6	MB,ML,NICE IN 9MM,*S ~SAME MAG,PAIR=6843,R=F	CL,P,LC
NGC 6843		Open Cluster cluster?	CL,S,P
Jun 25 2003 12.5"	9mmT6	PB,ML,~10*S,SAME MAG,PAIR=6840,LOOSE,SC,R=F	
NGC 6852		Planetary Neb 4	F NEB,AM ST
Jun 25 2003 12.5"	5mmT6	KEEP B* OUT OF FOV,NEBULOSITY EL IN SHAPE,R=G	
Jun 25 2003 12.5"	9mmT6	PF,MS,UB,NEB,F* ON EDGE OF NEB,R=G	
NGC 6858		Open Cluster cluster?	CL,CL,E,PRI,ST13...
Jun 25 2003 12.5"	9mmT6	MB,ML,*S SAME MAG,~12*S,LOOSELY GRP,R=F	
NGC 6865		Galaxy S0	F,S,E
Jun 25 2003 12.5"	9mmT6	VF,MS,UB,NND,PATCH,R=F	
NGC 6900		Galaxy Sb	VF,S,R
Jun 25 2003 12.5"	9mmT6	VDIF,VF,PS,PATCH,UB,NND,AV,R=P	

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NGC 6901		Galaxy SB(r)ab	EF
Jun 25 2003 12.5" 9mmT6	DIF,VF,MS,UB,PATCH,NND,R=F		
NGC 6906		Galaxy SB(rs)bc:	PF,PL,R
Jun 25 2003 12.5" 9mmT6	MF,ML,FSNUC,COMPACT NUC,SBM,SHISB,PATCH,R=G		
NGC 6915		Galaxy (R')Sab?	PB,S,R
Jun 25 2003 12.5" 9mmT6	PB,ML,BNUC,LNUC,BM,MHISB CNTR,R=G		
NGC 6922		Galaxy SA(rs)c pec:	VF,PL,R
Jun 25 2003 12.5" 9mmT6	DIF,VF,MS,PATCH,AV COMES AND GOES THEN HOLDS,UB,R=P		
NGC 6926	H142-3	Galaxy SB(s)bc pec	VF,PL,E176,P OF 2
Jun 25 2003 12.5" 9mmT6	MF,VL,EL,UB,NND,PAIR=6929,R=G		
NGC 6929		Galaxy SA0+ pec:	VF,VS,SF OF 2
Jun 25 2003 12.5" 9mmT6	DIF,PF,PS,OVAL/PATCH,NND,PAIR=6926,R=F		
NGC 6941		Galaxy SAB(rs)b	EF,LE,LBM
Jun 25 2003 12.5" 9mmT6	MF,MS,EL,PATCH,UB,NND,R=F		
PAL 11		Globular	
Jun 28 2019 36" 17mmT4	(Class XII),VF,PS,NND,VF SC *S RSLV,LOOKS LIKE OPCL,R=PF		
PGC 63830		Galaxy	
Sep 17 2003 31" 25mm	PF,MS,PATCH,SUR 2 B*S,F GLOW AMONG *S,R=P		
PGC 63847		Galaxy C	
Sep 17 2003 31" 25mm	MB,MS,R,BNUC,BLNUC,SHISB,F HALO,R=G		
SH2 71		Planetary Neb 3b+3	
Sep 02 2008 31" 17mmT4	MF,ML,FLD * CLOSE TO CNTR* 13TH MAG,WISPS OF NEB,IRR,OIII HELPS LTL,CNTR* DET,R=F		

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IC 1330		Galaxy Sc? sp	
Sep 27 2005 31"	17mmT4	PF,MS,EL,UB,NND,SHISB,VF* OFF ONE EDGE,R=F	
IC 1331		Galaxy (R')SB(r)0/a:	
Sep 27 2005 31"	17mmT4	PF,PS,EL,FSNUC,VF* OFF ONE SIDE,PAIR=PGC65391,R=F	
IC 1332		Galaxy Sb	
Sep 27 2005 31"	17mmT4	MF,PS,EL-EDGE ON,PATCH,UB,SMWHT PATCHY,NND,R=F	
IC 1341		Galaxy S0	
Sep 27 2005 31"	17mmT4	PF,PS,OVAL,PATCH,FLNUC,VF* OFF ONE SIDE,R=F	
IC 1342		Galaxy S?	
Sep 27 2005 31"	17mmT4	PF,PS,OVAL,PATCH,FSNUC,NICE FOV,PAIR=MAC,R=F	
IC 1344		Galaxy	
Sep 27 2005 31"	17mmT4	PF,MS,EL,FLNUC,2VF*S IN EDGE OF GLXY,PAIR=IC1345,R=F	
IC 1345		Galaxy	VF, S, R, VLBM
Sep 27 2005 31"	17mmT4	VF,VS,PATCH,NND,CLOSE PAIR=IC1344,CLASSIFIED AS UNIDENTIFIED,R=P	
IC 1347		Galaxy S0^ pec:	
Sep 27 2005 31"	17mmT4	PF,PS,EL,PATCH,FLNUC,UNIDENTIFIED COMP CLOSE BY,PAIRS=MAC,R=F	
IC 1348		Galaxy	F, VS, R, BM
Sep 27 2005 31"	17mmT4	VF,VS,R,PATCH,CLASSIFIED AS UNIDENTIFIED,PAIR=IC1347/MAC'S,R=P	
IC 1350		Galaxy S	
Sep 27 2005 31"	17mmT4	MF,MS,R,BSNUC,SHISB CNTR,R=F	
IC 1357		Galaxy (R')SB(s)a:	
Sep 27 2005 31"	17mmT4	PF,MS,EL,FLNUC,PAIR=MAC'S,R=F	
IC 1362		Galaxy E	
Oct 01 2005 31"	17mmT4	PF,PS,OVAL,PATCH,VFSNUC,PATCH NUC DET,R=F	
IC 1366		Galaxy	
Oct 01 2005 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,R=F	
IC 1368		Galaxy Sa? sp	
Oct 04 2005 31"	17mmT4	MF,PS,EL,UB,NND,TAPERED ENDS,F* OFF TIP,PAIR=MAC,R=F	
IC 1370		Galaxy C	
Oct 04 2005 31"	17mmT4	PF,PS,OVAL,PATCH,FSNUC,VF* IN GLXY CLOSE TO NUC,R=F	
IC 1371		Galaxy S0- pec:	
Oct 04 2005 31"	17mmT4	MF,MS,OVAL-R,FLNUC,V* OFF TO SIDE,BM,SHISB CNTR,PAIR=MAC,R=F	

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IC 1373		Galaxy
Oct 04 2005 31"	17mmT4	PF,MS,R,FLNUC,PAIR=PGC66590,R=F
IC 1374		Galaxy S
Oct 04 2005 31"	17mmT4	PF,PS,R,VFSNUC,R=F
IC 1381		Galaxy SB
Oct 04 2005 31"	17mmT4	VF,PS,OVAL,UB,NND,PAIR=IC1383,R=F
IC 1383		Galaxy
Oct 04 2005 31"	17mmT4	VF,VS,OVAL,UB,NND,PAIR=IC1381,R=P
IC 1384		Galaxy Irr
Oct 04 2005 31"	17mmT4	VF,MS,R,UB,NND,R=F
IC 1385		Galaxy SBcd
Oct 04 2005 31"	17mmT4	PF,MS,OVAL-R,UB,NND,2F**S OPPOSITE SIDES,R=F
IC 1387		Galaxy
Oct 04 2005 31"	17mmT4	PF,MS,PATCH,UB,NND,F* OFF ONE SIDE,R=F
Oct 04 2005 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,F* OFF ONE SIDE,SHISB,R=F
IC 1388		Galaxy
Oct 04 2005 31"	17mmT4	MF,MS,PATCH,BSNUC,BM,SHISB CNTR,PAIR=MAC,R=F
IC 1390		Galaxy B R
Oct 04 2005 31"	17mmT4	DIF,PF,PS,PATCH,UB,NND,R=F
IC 1391		Galaxy E
Oct 04 2005 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,R=F
IC 1401		Galaxy SAB(r)bc:
Oct 04 2005 31"	17mmT4	MF,ML,EL,UB,NND,MHISB,VF* CLOSE TO NUC,V* OFF ONE EDGE,R=G
IC 1405		Galaxy SBab
Oct 04 2005 31"	17mmT4	MF,PS,OVAL,BLNUC,F* OFF ONE SIDE,PAIR=IC1406,R=F
IC 1406		Galaxy
Oct 04 2005 31"	17mmT4	PF,PS,OVAL,FSNUC,PAIR=IC1405,R=F
IC 1411		Galaxy E
Oct 04 2005 31"	17mmT4	PB,MS,R,BLNUC,MHISB CNTR,R=G
IC 1417		Galaxy Sb? sp
Oct 04 2005 31"	17mmT4	PF,MS,EL,FLNUC,R=F
IC 1421		Galaxy

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IC	1421		Galaxy
Oct 04 2005	31"	17mmT4	PF,PS,R,FSNUC,PAIR=MAC,R=F
IC	1431		Galaxy Sa
Oct 04 2005	31"	17mmT4	EF,VS,UB,NND,AV,R=P
IC	1433		Galaxy S
Jul 24 2006	31"	17mmT4	MF,MS,OVAL,PATCH,FLNUC,R=F
IC	1435		Galaxy SA(rs:)b
Aug 23 2009	31"	17mmT4	MF,MS,PATCH,UB,SHISB,PAIRS=MAC'S,R=G
IC	1436		Galaxy E/S0
Aug 23 2009	31"	17mmT4	PF,MS,OVAL,FLNUC,VF* OFF ONE EDGE,R=P
IC	1437		Galaxy (R')SA(r)0/a
Aug 23 2009	31"	17mmT4	MF,ML,OVAL,FLNUC,R=F
IC	1438		Galaxy (R')SAB(rs)a:
Aug 23 2009	31"	17mmT4	MF,ML,EL-OVAL,BLNUC,MHISB CNTR,PAIR=IC1439,R=G
IC	1439		Galaxy (R)SB(rs)a:
Aug 23 2009	31"	17mmT4	PF,MS,EL-OVAL,FSNUC,PAIR=IC1438,R=F
IC	1440		Galaxy E?
Sep 16 2009	31"	17mmT4	MF,MS,EDGE ON,FSNUC,CNTR BULGE,R=F
IC	1443		Galaxy E2:
Sep 16 2009	31"	17mmT4	MB,MS,R,BLNUC,SBM,MHISB CNTR,R=G
IC	1445		Galaxy SA(s)0-:
Sep 16 2009	31"	17mmT4	MB,ML,R,BLNUC,HISB CNTR,R=G
IC	1447		Galaxy SA(r)b?
Sep 16 2009	31"	17mmT4	MB,PL,PATCH,UB,NND,SHISB,IRR,VF* OFF EDGE,ANOTHER VF* OFF SIDE,R=G
IC	1451		Galaxy Sc
Sep 16 2009	31"	17mmT4	MF,ML,PATCH,UB,NND,R=F
IC	1453		Galaxy SBb
Sep 16 2009	31"	17mmT4	PF,MS,PATCH,UB,NND,R=F
IC	1471		Galaxy Sb
Sep 17 2009	31"	17mmT4	MB,MS,OVAL,FLNUC,SHISB,R=G
IC	1479		Galaxy E:
Nov 11 2009	31"	17mmT4	MB,MS,PATCH,FSNUC,PAIR=PGC 71025,R=F

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IC 1489		Galaxy
Oct 07 2010 31"	17mmT4	PF,PS,OVAL,VFSNUC,R=F
IC 1491		Galaxy Sbc
Oct 07 2010 31"	17mmT4	VF,PS,PATCH,UB,NND,R=P
IC 1495		Galaxy Sb
Oct 07 2010 31"	17mmT4	MF,PS,OVAL-R,FSNUC,LOOKS LIKE A TADPOLE,BAR SPRIAL,ONE SIDE HAS HOOK,R=F
IC 1498		Galaxy (R')SB(r)a:
Oct 07 2010 31"	17mmT4	MF,MS,EL-EDGE ON,FLNUC,DUST LANE SUSP,CIGAR SHAPE,SLT CNTR BULGE,R=FG
IC 1505		Galaxy E
Sep 17 2009 31"	17mmT4	MF,MS,R,FLNUC,PAIRS=PGC'S/MAC'S,R=G
Sep 12 2007 31"	17mmT4	MF,MS,R,BLNUC,GMBM,MHISB CNTR,PAIRS=PGC'S,R=G
IC 1509		Galaxy Sc
Sep 12 2012 36"	17mmT4	VF,MS,EL-EDGE ON,UB,NND,R=PF
IC 5050		Galaxy SAB(r)b:
Sep 27 2005 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,R=F
IC 5090		Galaxy Sa pec?
Sep 27 2005 31"	17mmT4	MB,PL,OVAL,FLNUC,MHISB,L SOFT HISB NUC,PAIR=PGC,R=F
IC 5111		Galaxy Sa
Oct 04 2005 31"	17mmT4	MF,MS,R,PATCH,UB,NND,VF* OFF ONE EDGE,R=P
IC 5178		Galaxy SB(s)c
Sep 06 2002 12.5"	9mmT6	EEDIF,EF,VS,PATCH WITH AV,LOC GOOD
IC 5210		Galaxy SA0-:
Sep 16 2009 31"	17mmT4	MB,ML,R,BLNUC,MHISB CNTR,PAIR=IC5211,R=G
IC 5211		Galaxy S?
Sep 16 2009 31"	17mmT4	MB,ML,EL,FLNUC,MHISB CNTR,PAIR=IC5210,R=G
IC 5241		Galaxy Scd pec?
Sep 16 2009 31"	17mmT4	MB,ML,PATCH,UB,NND,SHISB,R=G
IC 5261		Galaxy SB(s)cd
Sep 16 2009 31"	17mmT4	PF,ML,PATCH,UB,NND,F* OF EDGE,R=F
IC 5278		Galaxy Sdm:
Sep 16 2009 31"	17mmT4	VF,VS,EL,UB,NND,R=P
IC 5290		Galaxy (R)Sa:

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IC 5290		Galaxy (R)Sa:
Sep 17 2009 31"	17mmT4	MB,MS,OVAL,UB,NND,MHISB,R=G
IC 5304		Galaxy SAB0- pec:
Nov 11 2009 31"	17mmT4	MB,MS,OVAL,BLNUC,SHISB CNTR,PAIR=MAC,R=G
IC 5310		Galaxy E
Nov 11 2009 31"	17mmT4	VF,PS,PATCH,NND,MAYBE A VF NUC,R=F
IC 5321		Galaxy SBa pec?
Oct 07 2010 31"	17mmT4	MF,MS,OVAL,FLNUC,GRAD BM,R=F
IC 5334		Galaxy (R')
Oct 07 2010 31"	17mmT4	MB,MS,EL,BLNUC,L THICK CNTR NUC,SHISB CNTR,R=F
IC 5343		Galaxy Irr
Oct 07 2010 31"	17mmT4	DIF,MF,ML,OVAL,NND,SHISB,R=FG
IC 5345		Galaxy S
Oct 07 2010 31"	17mmT4	DIF,MF,MS,OVAL,NND,SHISB,R=FG
MAC 2045-1106		Galaxy
Sep 13 2009 31"	9mmT6	EF,VS,EDGE ON,AV,EASIER TO DET WITH 9MM,HINT OF EXT PERP TO 6985A,INTRACT=6985A,R=P
MAC 2047+0017		Galaxy
Sep 13 2009 31"	17mmT4	EF,ES,PATCH,AV COMES AND GOES,PAIRS=MANY OTHERS,R=P
MAC 2047+0024		Galaxy
Sep 13 2009 31"	17mmT4	EF,ES,R,PATCH,AV ONLY A FEW TIMES,V CLOSE TO *,PAIRS=MANY OTHERS,R=P
MAC 2047+0026		Galaxy
Sep 13 2009 31"	17mmT4	EF,VS,PATCH,NND,TOOK AWHILE WITH AV THEN HOLDS,PAIRS=MANY OTHERS,R=P
MAC 2047+0028		Galaxy
Sep 13 2009 31"	17mmT4	EF,ES,SUSP,SOME EXTENSION OF 6963 DET,INTRACT=6963,R=P
MAC 2059-1421		Galaxy
Sep 27 2005 31"	17mmT4	EF,VS,UB,NND,R=P
MAC 2100-1421		Galaxy
Sep 27 2005 31"	17mmT4	EF,ES,PATCH,SUSP,R=P
MAC 2100-1425		Galaxy
Sep 27 2005 31"	17mmT4	VF,VS,PATCH,UB,VFSNUC,FORMS TRI WITH 2 F*S,PAIR=IC1342,R=P
MAC 2100-1428		Galaxy
Sep 27 2005 31"	17mmT4	EF,VS,PATCH,NND,AV,PAIR=MAC,R=P

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MAC 2100-1428A		Galaxy
Sep 27 2005 31"	17mmT4	NO FIND,LOC GOOD,VF* ON TOP OF GLXY?,PAIR=MAC,R=P
MAC 2101-1315		Galaxy
Sep 27 2005 31"	17mmT4	VF,VS,OVAL,PATCH,VFSNUC,PAIR=PGC65882,R=F
Sep 27 2005 31"	17mmT4	VF,VS,OVAL,PATCH,VFSNUC,PAIR=IC'S/MAC'S,R=F
MAC 2101-1316		Galaxy
Sep 27 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=IC'S/MAC,R=P
MAC 2103-1124		Galaxy
Sep 27 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,CLOSE TO 7009,R=P
MAC 2104-1122		Galaxy
Sep 27 2005 31"	17mmT4	EDIF,EF,ES,PATCH,UB,IN FOV WITH 7009,AV,R=P
MAC 2105-1037		Galaxy
Sep 27 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,AV,PAIRS=MAC/IC1357,R=P
MAC 2105-1040		Galaxy
Sep 27 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=MAC/IC1357,AV,R=P
MAC 2110-0351		Galaxy
Sep 27 2005 31"	17mmT4	PF,PS,R,*NUC OR * IN NUC,VF* OFF ONE EDGE,R=F
MAC 2113+0213		Galaxy
Oct 04 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=IC1368,R=P
MAC 2116-0046		Galaxy
Sep 02 2005 31"	17mmT4	EF,ES,PATCH,NND,ALM *,PAIR=7047,R=P
MAC 2120-0448		Galaxy
Oct 04 2005 31"	17mmT4	VF,VS,PATCH,NND,PAIR=IC1371,R=P
MAC 2130-0038		Galaxy
Oct 04 2005 31"	17mmT4	EF,VS,PATCH,SUSP,PAIR=IC1388,R=P
MAC 2131+0230		Galaxy
Sep 14 2012 36"	17mmT4	EF,VS,PATCH,AV FIRST THEN HOLDS,PAIRS=7081/PGC66904,R=P
MAC 2142-0646		Galaxy
Oct 04 2005 31"	17mmT4	EF,VS,PATCH,UB,NND,AV,PAIR=7108,R=P
MAC 2142-0652		Galaxy
Sep 02 2005 31"	17mmT4	VDIF,EF,ES,PATCH,AV,SUSP,R=P
Sep 02 2005 31"	17mmT4	MF,PS,R,BSNUC,GBM,PAIR=PGC67223,R=F

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MAC 2144-0632		Galaxy
Sep 02 2005 31"	17mmT4	DIF,VF,VS,OVAL,PATCH,UB,NND,PAIR=7120,R=P
MAC 2202-0955		Galaxy
Oct 04 2005 31"	17mmT4	VF,VS,UB,NND,PAIR=IC1421,R=P
MAC 2206-2104		Galaxy
Sep 11 2012 36"	17mmT4	VF,VS,OVAL,UB,NND,TOUCH PGC68035,APPEAR AS ONE ,EL GLXY,OTHERS PRESENT,R=P
Sep 17 2009 31"	17mmT4	VF,MS,PATCH,UB,NND,INTRACT=PGC68036,BOTH APPEAR AS ONE PATCH,CANNOT SEP,AGC 3744,R=P
MAC 2206-2105		Galaxy
Sep 17 2009 31"	17mmT4	VF,VS,PATCH,UB,NND,AV COMES AND GOES,HARD TO SEP FROM PGC68036,AGC 3744,R=P
MAC 2206-2106		Galaxy
Sep 17 2009 31"	17mmT4	VF,VS,PATCH,UB,NND,R=P
MAC 2213-2204		Galaxy
Aug 23 2009 31"	17mmT4	VF,VS,EL,UB,PAIRS=IC1425/MAC,R=P
MAC 2213-2207		Galaxy
Aug 23 2009 31"	17mmT4	EF,VS,PATCH,NND,PAIRS=IC1425/MAC,R=P
MAC 2220-1550		Galaxy
Sep 02 2005 31"	17mmT4	EF,ES,PATCH,AV,SUSP,PAIR=7251,R=P
MAC 2228-2201		Galaxy
Sep 02 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,R=P
MAC 2230-1733		Galaxy
Sep 02 2005 31"	17mmT4	EF,ES,SUSP,APPEARS AS AN EXTENSION OF 7301,PAIR=7301,R=P
MAC 2254-1514		Galaxy
Sep 12 2007 31"	17mmT4	VF,VS,PATCH,UB,NND,CLOSE COMP=PGC69956,R=P
MAC 2318-1019		Galaxy
Nov 11 2009 31"	17mmT4	EF,VS,PATCH,AV COMES AND GOES THEN HOLDS AFTER 2MIN,PAIR=IC5304,R=P
MAC 2341-0331		Galaxy
Sep 17 2009 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=IC1505/OTHERS,R=P
MAC 2342-0334		Galaxy
Sep 17 2009 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIRS=IC1505/OTHERS,R=F
MAC 2349-1632		Galaxy
Sep 12 2012 36"	17mmT4	EF,ES,AV COMES AND GOES,PAIRS=OTHERS,R=P

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MAC 2354-1335		Galaxy	
Sep 12 2012 36"	17mmT4	VF,VS,PATCH,CLOSE COMP=7776,R=P	
NGC 6945		Galaxy S0-	PF,VS,R,MBM
Aug 03 2002 12.5"	12mm	DIF,MF,MS,MHISB,OVAL,B* CLOSE BY	
NGC 6959		Galaxy (R)S0^ pec:	VF
Sep 13 2009 31"	17mmT4	MF,MS,DGE ON,VF* IN TIP,PAIRS=MANY OTHERS,R=F	
Aug 03 2002 12.5"	12mm	EDIF,VF,PS,F OVAL PATCH,4 OF 6	
NGC 6961		Galaxy E+ pec?	EF,VS
Sep 13 2009 31"	17mmT4	MF,PS,R,UB,NND,PAIRS=MANY OTHERS,R=F	
Aug 03 2002 12.5"	12mm	EEDIF,EF,VS,PATCH WITH AV ONLY,5 OF 6	
NGC 6962		H426-2 Galaxy SAB(r)ab	CF,S,R,BM
Sep 13 2009 31"	17mmT4	PB,PL,OVAL,BLNUC,HISB CNTR,PAIRS=MANY OTHERS,R=G	
Aug 03 2002 12.5"	12mm	MB,PL,MHISB,L OF GRP,PATCHY,OVAL,2 OF 6	
NGC 6963		Galaxy S0^:	NEB*13M
Sep 13 2009 31"	17mmT4	PF,MS,R,FSNUC,INTRACT=MAC,R=F	
Aug 03 2002 12.5"	12mm	EEDIF,EEF,ES,COMES AND GOES WITH AV,6 OF 6	
NGC 6964		H427-2 Galaxy E+ pec:	F,VS,R,BM,*14SF1/2'
Sep 13 2009 31"	17mmT4	PB,PL,OVAL,BLNUC,HISB CNTR,PAIRS=MANY OTHERS,R=G	
Aug 03 2002 12.5"	12mm	DIF,PF,ML,F* OFF ONE SIDE,PATCH,UB,GLXY GRP 1 OF 6	
NGC 6967		Galaxy SB(rs)0+?	EF,VS,*10F50"
Sep 13 2009 31"	17mmT4	PB,PL,OVAL,BLNUC,HISB CNTR,PAIRS=MANY OTHERS,R=G	
Aug 03 2002 12.5"	12mm	PF,ML,IRR,EL,UB,B* OFF EDGE,3 OF 6	
NGC 6968		Galaxy SA0- pec?	F,S,R,GBM,F*INV
Aug 03 2002 12.5"	12mm	DIF,VF,VS,S OVAL PATCH,NO *S CLOSE BY	
NGC 6975		Galaxy S?	VF,S,(=6976)
Sep 02 2005 31"	17mmT4	DIF,VF,MS,EL,PATCH,UB,NND,PAIRS=NGC'S,R=P	
NGC 6976		Galaxy SAB(r)bc?	EF,IR
Sep 02 2005 31"	17mmT4	PF,MS,PATCH,UB,NND,PAIRS=NGC'S,R=F	
NGC 6977		Galaxy SB(r)a pec:	VF,S,IR
Sep 02 2005 31"	17mmT4	PB,PL,OVAL,FSNUC,SMWHT BM,PAIRS=NGC'S,R=F	
NGC 6978		Galaxy Sb	VF
Sep 02 2005 31"	17mmT4	MB,ML,EL,BLNUC,SHISB,SUDLY MBM,PAIRS=NGC'S,R=G	
NGC 6981	M72	Globular	GCL,PB,PL,R,GMCM,RRR
Jun 28 2019 36"	17mmT4	(Class VIII),MB,PL,RSLV,*S VAR MAG,R=G	

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NGC 6981	M72	Globular	GCL,PB,PL,R,GMCM,RRR
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Aug 31 1984	12.5" 16mm	PB,PL,BNUC,R,HISB CNTR,OUTER *S JUST RSLV	
Jul 09 1983	12.5" 12mm	MB,PL,RSLV,BM,SC *S EL2F*S SAME MAG OFF ONE SIDE	
Jul 10 1981	12.5" 24mm	MB,ML	
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Jul 17 1980	12.5" 24mm		
Jun 18 1980	12.5" 24mm		
NGC 6985A		Galaxy SB(s)a pec:	
Sep 13 2009	31" 17mmT4	MF,ML,EL TO EDGE ON,FLNUC,INTRACT=MAC,R=F	
NGC 6994	M73	Open Cluster IV 1 p	CL,EP,VLC,NO NEB
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Aug 31 1984	12.5" 16mm	MF,MS,4*S IN A S "Y" SHAPE,NOT A TRUE CL	
Jul 09 1983	12.5" 12mm	MB,PS,ASTERISM OF 4*S,LOOKS LIKE S SAGITTA CONST	
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Jun 18 1980	12.5" 24mm	4*S LOC ALL BY THEMSELVES	
NGC 7001		Galaxy SAB(rs)ab:	EF,S,E0
Aug 03 2002	12.5" 12mm	EEEDIF,EF,PS,OVAL PATCH,UB	
NGC 7009	H1-4	Planetary Neb 4+6	PLN,VB,S,ELLIPTIC
Aug 15 2009	31" 17mmT4	VB,VL,HISB,B BLUEISH,RING DET,F NEB AR CNTRBALL,NO CNTR*,OIII,DOESNOT HELP THAT MUCH BUT RING IS EASIER TO DETECT,R=E	
Sep 27 2005	31" 17mmT4	WITH O/III, EB,VL,EL-R,MORE NEB DET BOTH SIDES OF RING,BTR W/O,R=E	
Sep 27 2005	31" 17mmT4	VF,VL,EL-R,HISB,THICK INNER RING,B BLUE,CNTR *,RINGS DET,R=E	
Sep 01 2002	31" 9mmT6	B BLUE,RING SEEN,DETAIL IN NEB DET,BEST VIEW TO DATE	
Aug 31 1984	12.5" 12mm	VB,MS,R B BLUEISH NEB,SLT EL,UB	
Jul 10 1981	12.5" 16mm	SATURN NEB,RING EASILY SEEN,B BLUE,MB,MS	
Oct 31 1980	12.5" 24mm		
Sep 10 1980	12.5" 24mm		
Jul 17 1980	12.5" 24mm		
Jun 18 1980	12.5" 9mm	DISK SHOWN WELL	
NGC 7010		Galaxy E+ pec:	EF,PL,R,R
Sep 02 2005	31" 17mmT4	MF,PL,EL-EDGE ON,VF* IN TIP,SOFT LNUC,S B INNER RGN,SHISB MID,R=G	
NGC 7047		Galaxy SAB(r)b:	EF,VS,BIN PF
Sep 02 2005	31" 17mmT4	MF,PL,EL-EDGE ON,NND,VF* ONE SIDE,SMWHT BM,PAIR=MAC,R=F	
NGC 7051		Galaxy SB(r)a pec	VF,R,GBM,**NR
Sep 14 2012	36" 17mmT4	MF,MS,OVAL,FLNUC,SHISB,R=F	
Aug 03 2002	12.5" 12mm	DIF,PF,PS,MHISB,OVAL,PATCHY,2F*S OFF ONE SIDE	
NGC 7065		Galaxy SB(r)ab?	VF,SBM,
Sep 02 2005	31" 17mmT4	PB,ML,OVAL-R,BSNUC,GMBM,HISB CNTR,PAIR=7065A,R=G	

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NGC 7065A		Galaxy SAB(r)c pec?	
Sep 02 2005 31"	17mmT4	PF,PL,OVAL,PATCH,UB,NND,SVRL VF*S OFF ONE SIDE,PAIR=7065,R=F	
NGC 7069		Galaxy SAB(s)0-?	VF,S,R,STELL
Sep 02 2005 31"	17mmT4	PB,ML,OVAL,UB,NND,SHISB,R=G	
NGC 7077		Galaxy S0- pec?	F
Sep 02 2005 31"	17mmT4	PB,ML,OVAL,UB,NND,MHISB,* OFF ONE SIDE,B* IN FOV,R=G	
NGC 7081		H859-3 Galaxy Sb pec?	F,S,R,MBM,*14S
Sep 14 2012 36"	17mmT4	MF,MS,OVAL,LNUC,HISB,PAIRS=PGC66904/MAC,R=F	
Aug 03 2002 12.5"	12mm	EDIF,VF,PS,OVAL PATCH,UB,F* OFF ONE SIDE	
NGC 7089	M2	Globular	GCL,B,VL,GPMBM,RRR
Jul 01 2019 36"	17mmT4	(Class III),EB,EL,MHISB,RSLV,L CORE AREA RSLV,E FOV,SIM M15,R=EE	
Jul 05 2008 31"	17mmT4	(Class II),EB,VL,BCORE RSLV,HISB CNTR,R=E	
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Jul 09 1983 12.5"	12mm	VB,VL,RSLV,BM,HUNDREDS OF *S VISIBLE FAR FROM NUC,HISB CNTR	
Jul 10 1981 12.5"	16mm	RSLV TO CORE	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Oct 31 1980 12.5"	24mm		
Sep 09 1980 12.5"	24mm		
Jul 17 1980 12.5"	24mm		
Jun 20 1980 12.5"	24mm		
Jun 18 1980 12.5"	9mm	E UNDER HIGH POWER,USE BARLOW	
NGC 7108		Galaxy E	VF,S,R,STELL
Oct 04 2005 31"	17mmT4	MB,ML,OVAL,BLNUC,SHISB CNTR,PAIR=MAC,R=F	
Sep 02 2005 31"	17mmT4	MB,ML,OVAL,FLNUC,SHISB CNTR,PAIR=MAC,R=F	
NGC 7120		Galaxy Sb	VF,S,VLE
Sep 02 2005 31"	17mmT4	MF,ML,OVAL,PATCH,UB,NND,PAIR=MAC,R=F	
NGC 7121		Galaxy SB(r)bc?	VF,VS,R,VLBM
Sep 14 2012 36"	17mmT4	MF,MS,OVAL,UB,NND,SHISB,R=FG	
Sep 06 2002 12.5"	9mmT6	PF,PS,MHISB,NND,UB	
NGC 7164		Galaxy SAB(rs)0+ pec:	EF,R,4VF ST N
Sep 14 2012 36"	17mmT4	PF,PS,OVAL,FSNUC,R=F	
Sep 06 2002 12.5"	9mmT6	EEDIF,EF,VS,PATCH,OVAL,UB,AV,LOC GOOD	
NGC 7165		H930-3 Galaxy SB(r)ab	EF
Sep 06 2002 12.5"	9mmT6	DIF,BF,PS,OVAL PATCH,UB,STREIGHT N OF F* ON FIELD	
NGC 7167		Galaxy SB(s)c:	F,PS,R,VGLBM,*10F
Sep 06 2002 12.5"	9mmT6	DIF,VF,PL,PATCH,NND,UB,B* OFF ONE EDGE	

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NGC 7170		Galaxy SA0-?	VF,PS,IR,BMN,D*P36S
Sep 06 2002	12.5" 9mmT6	DIF,PB,PS,PATCH,OVAL,UB,NND	
NGC 7171		H692-3 Galaxy SB(rs)b	VF,CL,E124,VGBM
Oct 04 2005	31" 17mmT4	MF,VL,OVAL,UB,PATCHY NUC,VF* IN EDGE OF GLXY,R=G	
Jul 10 1981	12.5" 16mm	DIF,PF,MS,EL,F HALO	
Sep 10 1980	12.5" 16mm		
NGC 7180		H693-3 Galaxy S0^?	VF,S,R,LBM,P OF 2
Oct 07 2010	31" 17mmT4	MB,ML,EL,BLNUC,HISB CNTR,SUDLY MBM,R=G	
Sep 06 2002	12.5" 9mmT6	DIF,PF,PL,PATCH,UB,NND	
NGC 7181		Galaxy S0^ pec:	EF,VS,STELLAR
Sep 06 2002	12.5" 9mmT6	VDIF,EF,VS,PATCH,UB,F* JUST TO THE S	
NGC 7182		Galaxy SB(rs)0+:	EF,VS,STELLAR
Sep 06 2002	12.5" 9mmT6	EEDIF,EF,VS,PATCH,UB,AV,LOC GOOD	
NGC 7183		H595-2 Galaxy S0+ pec sp	VF,PL,E90,LBM
Sep 06 2002	12.5" 9mmT6	DIF,PF,VL,EL,NND,PATCH,UB,SHISB	
NGC 7184		H1-2 Galaxy SB(r)c	PB,PL,ME64,BET3*,ER
Oct 07 2010	31" 17mmT4	PB,VL,EL,BSNUC,GRAD BM,MHISB CNTR,R=G	
Sep 06 2002	12.5" 9mmT6	VB,VL,EL,HISB CNTR,L CNTR BULGE,F* BOTH ENDS	
Aug 31 1984	12.5" 24mm	DIF,PF,MS,EL,F* IN W TIP,TAPERED-CIGAR SHAPE	
Jul 10 1981	12.5" 16mm	DIF,MB,ML,EDGE ON,FNUC,DIM HALO	
Sep 10 1980	12.5" 24mm		
Sep 09 1980	12.5" 24mm	BM,EDGE ON	
NGC 7185		Galaxy SAB(rs)0- pec?	VF,PL,IR,VGLBM,F OF2
Oct 07 2010	31" 17mmT4	MB,MS,EL,BSNUC,F* JUST OUTSIDE NUC,GMBM,MHISB CNTR,R=G	
Sep 06 2002	12.5" 9mmT6	DIF,PF,PL,MHISB,NND,UB,OVAL	
NGC 7188		Galaxy (R')SB(rs)bc	EF,PS,E,LBM
Sep 06 2002	12.5" 9mmT6	DIF,EF,PS,B*NUC	
NGC 7189		Galaxy SB(rs)b pec:	F,S,LE
Sep 06 2002	12.5" 9mmT6	EDIF,EF,PS,PATCH,UB WITH AV	
NGC 7198		Galaxy S0 pec	EF,VS,STELLAR
Sep 06 2002	12.5" 9mmT6	VDIF,VF,PS,OVAL PATCH,UB	
NGC 7211		Galaxy S0	EF,S,STELLAR
Sep 06 2002	12.5" 9mmT6	VDIF,VF,VS,OVAL,PATCH,UB	
NGC 7215		Galaxy S0^?	VF,S,E
Sep 06 2002	12.5" 9mmT6	EEDIF,EF,ES,PATCH,AV,LOC GOOD	

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NGC 7218 Jul 10 1981 12.5" 16mm Sep 10 1980 12.5" 24mm	H897-2 SMWHT EDGE ON,*S N AND S,NO STR SUSP,DIF,PF,MS	Galaxy SB(rs)cd	PB,LE,R
NGC 7220 Sep 06 2002 12.5" 9mmT6	EDIF,VF,VS,PATCH,OVAL,UB	Galaxy SAB(s)0⁺:	EF,VS,VLE,GBM,*10N3'
NGC 7222 Sep 06 2002 12.5" 9mmT6	EEDIF,VF,VS,PATCH,UB,PAIR/PGC 68229	Galaxy SB(r)b	VF,S
NGC 7230 Sep 06 2002 12.5" 9mmT6	DIF,PF,PS,PATCH,UB	H931-3 Galaxy SA(s)bc	VF,S,R,BM
NGC 7239 Sep 06 2002 12.5" 9mmT6	EEDIF,EF,ES,PATCH,AV ONLY,LOC GOOD	Galaxy SAB0-	EF,VS
NGC 7246 Sep 02 2005 31" 17mmT4	MF,PL,PATCH,NND,MHISB,B AREAS DET,IRR IN SHAPE,CHUNKY,R=G	H932-3 Galaxy (R)SA(r)a:	VF,S,VLE,VGBM,*13N
NGC 7247 Sep 02 2005 31" 17mmT4	MB,PL,R,UB,NND,HISB,R=G	Galaxy SB(s)b:	PF,VS,R,LBM,BD*P13S
NGC 7251 Sep 02 2005 31" 17mmT4	MB,PL,R,UB,NND,SHISB,PAIR=MAC,R=G	H933-3 Galaxy (R')SA(rs)a?	F,PS,R,GPMBM
NGC 7252 Jul 10 1981 12.5" 24mm Sep 10 1980 12.5" 16mm	DIF,EF,VS,GBM,F* APPEARS TO BE IN THE GLXY	H458-3 Galaxy (R)SA(r)0⁺:	F,S,R,ER
NGC 7255 Sep 02 2005 31" 17mmT4	PF,PS,EDGE ON,UB,NND,R=F	Galaxy S0/a: sp	EF,L,ME30,SBMN
NGC 7256 Sep 02 2005 31" 17mmT4	PF,MS,R,UB,NND,VF* IN EDGE OF GLXY,R=F	Galaxy SBb	3F* IN F NEB
NGC 7260 Sep 02 2005 31" 17mmT4	MB,PL,R,FLNUC,MHISB CNTR,BM,R=G	Galaxy	EF,PS,IR
NGC 7266 Sep 02 2005 31" 17mmT4	MB,MS,OVAL,BLNUC,SHISB,R=G	Galaxy Sa	F,VS,R,ALM STELLAR
NGC 7269 Sep 02 2005 31" 17mmT4	MF,MS,OVAL,PATCH,FLNUC,GMB,SHISB,R=F	Galaxy Sb	EF,PS,R,GLBM
NGC 7284 Sep 02 2005 31" 17mmT4	PB,ML,EL,BLNUC,GMBM,HISB CNTR,INTRACT=7285,R=G	H469-2 Galaxy SB(s)0⁺ pec	CF,CS,LE,R,D*INV

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NGC 7285			Galaxy SB(rs)a pec	NEB*1'DIST FROM7284
Sep 02 2005 31"	17mmT4	PB,ML,EL,BLNUC,GMBM,HISB CNTR,INTRACT=7284,R=G		
NGC 7287			Galaxy S0	EF,SLIGHTLYNEBS D*
Sep 02 2005 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,CLOSE COMP=7287A,BARELY SEP,FEW VF* ON EDGE,R=P		
NGC 7287A			Galaxy S0^: sp	
Sep 02 2005 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,CLOSE COMP=7287,BARELY SEP,FEW VF* CLOSE BY,R=P		
NGC 7288			Galaxy S0/a pec sp	VF,ES,STELLAR
Sep 02 2005 31"	17mmT4	MF,MS,EL,BSNUC,SHISB CNTR,R=F		
NGC 7293			Planetary Neb 4+3	PF,VL,E OR BIN
Sep 02 2008 31"	31mmT5	DIF,PF,EEL,FILLS 17MM,OIII HELPS GREATLY,SVRL F*S CNTR RGN,CNTR* 13MAG,L DARK AREA		
Jul 10 1981 12.5"	24mm	EL,MF,DIF GAS CLOUD WITH *S WITHIN ITS BOUNDARIES,HELIX NEB		
Oct 31 1980 12.5"	24mm			
Sep 18 1980 12.5"	24mm			
Sep 10 1980 12.5"	24mm	HELIX NEB,WITH NEB FILTER E!!!		
NGC 7298			Galaxy SA(s)c:	VF,PL,IR
Sep 02 2005 31"	17mmT4	DIF,MF,PL,OVAL-R,PATCH,UB,NND,R=P		
NGC 7300			Galaxy SAB(rs)b:	VF,CS,E,VGLBM
Sep 02 2005 31"	17mmT4	MF,PL,EL,UB,NND,L CNTR BULGE,TAPERED ENDS,R=F		
Jul 10 1981 12.5"	24mm	DIF,VF,PS,F HALO,PAIR/7302		
NGC 7301			Galaxy SB(s)ab pec:	VF,PS,LE,LBM
Sep 02 2005 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIR=MAC,R=F		
NGC 7302		H31-4	Galaxy SA(s)0-:	F,PS,R,VSBMSN
Jul 10 1981 12.5"	24mm	DIF,EF,ES,PAIR/7300		
NGC 7308			Galaxy (R')SAB(r)0-?	PB,VS,R
Sep 02 2005 31"	17mmT4	PF,PS,EL,FSNUC,R=F		
NGC 7309		H476-2	Galaxy SAB(rs)c	VF,PL,R,GLBM,R
Jul 10 1981 12.5"	24mm	NO SHAPE DET,DIF,EF,MS		
NGC 7310			Galaxy SB(rs)bc:	VF,PS,R,BMN
Sep 02 2005 31"	17mmT4	VDIF,VF,VL,OVAL-R,PATCH,UB,NND,R=P		
NGC 7341			Galaxy SAB(r)ab:	PF,PS,E,LBM
Sep 02 2005 31"	17mmT4	PF,MS,EL,FLNUC,TRI OF *S SUR GLXY,SHISB CNTR,R=F		
NGC 7344			Galaxy (R')SB(r)ab	PF,VS,R
Sep 02 2005 31"	17mmT4	PF,MS,OVAL,PATCH,FLNUC,R=F		

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NGC 7349			Galaxy SBb pec?	EF,VS,E175,BIN,BN
Sep 02 2005 31"	17mmT4	VDIF,VF,PS,EL,PATCH,UB,NND,R=P		
NGC 7351			Galaxy SAB0^:	PF,PS,R,BM,R
Sep 02 2005 31"	17mmT4	PB,MS,EL-OVAL,BLNUC,HISB,BM,R=G		
NGC 7359			Galaxy S0^: sp	PF,VS,PME,BMN
Sep 02 2005 31"	17mmT4	MB,MS,EDGE ON,BLNUC,L CNTR BULGE,HISB CNTR,GMBM,R=F		
NGC 7364		H442-2	Galaxy S0/a pec:	F,S,R,PSBM
Sep 02 2005 31"	17mmT4	MF,MS,EL,BLNUC,GMBM,BM,MHISB CNTR,R=G		
NGC 7365			Galaxy SA(rs)0-:	VF,ES,R,GBMN,*11NF4'
Sep 03 2005 31"	17mmT4	PB,ML,EL-OVAL,BLNUC,MHISB CNTR,GMBM,R=G		
NGC 7371		H477-2	Galaxy (R)SA(r)0/a:	VF,PL,R,LBM
Jul 10 1981 12.5"	16mm	R,NO ARMS,APPEARS SMWHT BM		
NGC 7377		H598-2	Galaxy SA(s)0+	PB,S,VLE,VGMBM,*12P
Jul 10 1981 12.5"	16mm	R,BM,DIF HALO		
NGC 7378			Galaxy (R')SB(r)ab?	VF,PL
Sep 04 2005 31"	17mmT4	MB,PL,OVAL,PATCH,UB,NND,R=G		
NGC 7381			Galaxy (R)Scd pec?	EF,VS,R,GBM
Sep 04 2005 31"	17mmT4	DIF,VF,MS,PATCH,UB,NND,R=P		
NGC 7391		H443-2	Galaxy E:	CF,CS,R,SBM*13,*NP
Sep 04 2005 31"	17mmT4	PB,ML,R,BLNUC,HISB CNTR,F HALO,R=G		
NGC 7392		H702-2	Galaxy SA(s)bc	PB,PS,LE120,MBM
Jul 10 1981 12.5"	24mm	NO BTOWARDS CNTR,SEEMS TO BE A WISP IN THE S ARM,MF,MS,DIF		
NGC 7393		H453-2	Galaxy SB(rs)c pec	VF,PL,LE,VGBM,R
Sep 04 2005 31"	17mmT4	MB,PL,PATCH,UB,NND,MHISB,R=G		
NGC 7399			Galaxy S0/a	EF,PL
Sep 04 2005 31"	17mmT4	PF,MS,OVAL,PATCH,FLNUC,SHISB,R=F		
NGC 7406			Galaxy Sbc	F,S,LE
Sep 04 2005 31"	17mmT4	MB,MS,EL,FLNUC,SHISB,BAR LIKE NUC,R=G		
NGC 7416			Galaxy SB(r)b	F,PL,PME,VGBM
Sep 04 2005 31"	17mmT4	PB,VL,EL-EDGE ON,UB,LNUC AREA,MHISB CNTR,R=E		
NGC 7425			Galaxy S0/a	EF,VLE,*10P4'
Sep 04 2005 31"	17mmT4	PF,MS,EL,FSNUC,R=F		

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NGC 7441			Galaxy (R')SAB(s)0+?	VF,PS,IR,*10P
Sep 04 2005 31"	17mmT4	MF,PS,OVAL,FSNUC,R=F		
NGC 7443		H450-2	Galaxy SB(s)0+: sp	F,VS,VLE,SMBM,ER,N-2
Sep 04 2005 31"	17mmT4	PB,PL,EL,BLNUC,HISB CNTR,PAIR=7444,R=G		
NGC 7444		H451-2	Galaxy SB(r)0^? sp	F,VS,VLE,SMBM,ER,S-2
Sep 04 2005 31"	17mmT4	PB,VL,EL,BLNUC,HISB CNTR,PAIR=7443,R=G		
NGC 7450			Galaxy (R)SB(r)a	VF,S
Sep 04 2005 31"	17mmT4	MF,PL,R,FLNUC,R=F		
NGC 7491			Galaxy Sbc	VF,S,R,VLBM
Sep 17 2009 31"	17mmT4	MB,MS,OVAL,UB,NND,MHISB,R=P		
NGC 7492		H558-3	Globular XII	EF,L,BET2D*
Jul 01 2019 36"	17mmT4	(Class XII),VF,ML,PATCH,UB,NND,NO *S CL IN CNTER,EVENLY DISP,R=P		
Jul 10 1981 12.5"	16mm	DIF,PF,VL,F DIF *S		
Sep 10 1980 12.5"	32mm	BARELY VISIBLE		
NGC 7494			Galaxy E1	EF,VS,STELLAR
Sep 17 2009 31"	17mmT4	PF,MS,PATCH,UB,NND,R=F		
NGC 7498			Galaxy (R')Sab:	VF,S,IR
Sep 17 2009 31"	17mmT4	PF,PS,PATCH,FSNUC,TOUCH=PGC70592,CANNOT DETECT WHICH IS WHICH,R=F		
NGC 7573			Galaxy SB(s)c	EF,S,IR,B NP,*10P4'
Nov 11 2009 31"	17mmT4	VF,ML,OVAL,PATCH,UB,NND,V LOW IN SKY, 25 DEG ALT,TOOK 2MIN TO LOCATE FOV,R=P		
NGC 7576		H454-2	Galaxy SA(r)0+	F,S,SMBM
Nov 11 2009 31"	17mmT4	MB,ML,OVAL,BLNUC,GRAN HALO SUR NUC,R=G		
NGC 7585		H236-2	Galaxy (R')SA(s)0+ pec	PB,PS,IR,GBM
Nov 11 2009 31"	17mmT4	VB,VL,OVAL,VBSNUC,MHISB,TIGHT NUC,GRADUALLY BM,R=E		
Sep 10 1980 12.5"	24mm			
NGC 7592		H186-3	Galaxy S0+ pec:	EF,VS
Nov 11 2009 31"	17mmT4	MB,MS,PATCH,UB,NND,SHISB,R=G		
NGC 7596			Galaxy S0	VF,PS,LE0,LBMN
Nov 11 2009 31"	17mmT4	MF,MS,OVAL,BSNUC,R=F		
NGC 7600		H431-2	Galaxy S0- sp	CF,S,R,PSMBM
Jul 10 1981 12.5"	16mm	SMWHT EDGE ON,DIF,PF,PS,F HALO		
NGC 7606		H104-1	Galaxy SA(s)b	PF,CL,PME0
Jul 10 1981 12.5"	16mm	BPART N SIDE,HALO VIS,RESEMBLES M104,MB,ML,EDGE ON,FARMS		

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NGC 7606 Sep 09 1980 12.5" 32mm	H104-1 B,LG	Galaxy SA(s)b	PF,CL,PME0
NGC 7646 Nov 11 2009 31" 17mmT4	PF,PS,EL,PATCH,UB,NND,* IN GLXY,R=F	Galaxy Sc	VF,VS,E260,*9N3.6'
NGC 7656 Oct 07 2010 31" 17mmT4	MF,PS,OVAL,BSNUC,SBM,F HALO SUR GLXY,R=F	Galaxy S0 pec:	VF,VS,R,BMN
NGC 7663 Oct 07 2010 31" 17mmT4	VF,PS,UB,IRR,R=P	Galaxy Irr	VF
NGC 7665 Oct 07 2010 31" 17mmT4	MF,MS,OVAL-R,UB,MHISB,R=F	Galaxy Sm	EF,S,STELLAR
NGC 7692 Oct 07 2010 31" 17mmT4	MF,MS,PATCH,UB,NND,MHISB,R=FG	Galaxy Irr	NEB,*9F18S,73"S
NGC 7709 Sep 06 2002 12.5" 9mmT6	PB,PL,EL,B CNTR BULGE,GMBM,TAPERED ENDS,MHISB	Galaxy SB0^ pec sp	PF,S,R,LBM
NGC 7717 Sep 06 2002 12.5" 9mmT6	PB,PL,GMBM,SPR STR SUSP,F* OF EDGE OF GLXYAXY	Galaxy (R)SB(r)0/a	VF,S
NGC 7719 Oct 07 2010 31" 17mmT4	MF,MS,OVAL,UB,NND,R=F	Galaxy SA(rs)ab? pec	EF,VS,R
NGC 7721 Jul 10 1981 12.5" 16mm Sep 09 1980 12.5" 24mm	NO SPR STR,UB,DIF,PF,ML,EL SIM IN APPEARANCE TO 7184,SHOWS SHAPE WELL	Galaxy SA(s)c	PF,CL,E12,VGBM
NGC 7723 Jul 10 1981 12.5" 16mm Sep 09 1980 12.5" 24mm	DIF,MBM,FNUC,MB,ML,FARMS	Galaxy SB(r)b	CB,CL,E,GMBM,R
NGC 7724 Oct 07 2010 31" 17mmT4	DIF,MF,ML,PATCH,NND,IRR,R=FG	Galaxy (R')SB(r)b pec?	EF,PL,IR
NGC 7725 Sep 06 2002 12.5" 9mmT6	DIF,PB,PL,EL,UB,MHISB,NND	Galaxy S0	EEF
NGC 7727 Oct 07 2010 31" 17mmT4 Jul 10 1981 12.5" 16mm Sep 09 1980 12.5" 24mm	PB,PL,OVAL,BLNUC,GRAN NUC,HISB CNTR,GBM,R=G MB,ML,VMBM,DIF HALO SUR GLXY BNUC,SPR ARM STR DET	Galaxy SAB(s)a pec	PB,PL,IR,MBM
NGC 7730		Galaxy S	PB,PL,E

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NGC 7730		Galaxy S	PB,PL,E
Sep 19 2012 36"	17mmT4	MB,MS,OVAL-R,BLNUC,VF* OUTER EDGE,HALO,HISB CNTR,GRAN,PAIRS=PGC/MAC,R=G	
Oct 07 2010 31"	17mmT4	PF,PS,OVAL,FLNUC,R=F	
NGC 7736		Galaxy (R')SA(r)0^?	EF,ES,GBM,BET2*12
Sep 12 2012 36"	17mmT4	PF,ML,PATCH,UB,NND,R=F	
NGC 7754		Galaxy Sa?	EF,VS
Sep 12 2012 36"	17mmT4	MF,MS,PAIRS=OTHERS,R=F	
NGC 7758		Galaxy SAB(s)0-:	EF,VS,IR,SBM,D*10NF
Sep 12 2012 36"	17mmT4	VF,PS,EL,FLNUC,R=F	
NGC 7759		Galaxy SAB0^ pec:	VF,S,R,LBM,B*N
Sep 12 2012 36"	17mmT4	MF,MS,R,BLNUC,CLOSE PAIR=PGC72499,ALM TOUCH,PAIRS=OTHERS,R=F	
NGC 7761		Galaxy SA(rs)0^:	F,VS,R,GBM,*10P8'
Sep 12 2012 36"	17mmT4	MB,ML,OVAL,BLNUC,HALO,MHISB CNTR,R=FG	
NGC 7763		Galaxy SB0?	EF,VS,R,F*F
Sep 12 2012 36"	17mmT4	VF,VS,OVAL,BSNUC,CLOSE COMP=PGC72566 APPEARS AS A * OFF EDGE,R=F	
NGC 7776		Galaxy Sa	EF,VS,LE,GBM
Sep 12 2012 36"	17mmT4	MF,VS,EL,UB,NND,CLOSE COMP=MAC,R=F	
PGC 65308		Galaxy L	
Sep 27 2005 31"	17mmT4	MF,MS,OVAL,PATCH,FLNUC,SMWHT BM,R=F	
PGC 65331		Galaxy SBbc	
Sep 27 2005 31"	17mmT4	EF,PS,OVAL,PATCH,UB,NND,R=P	
PGC 65391		Galaxy Scd	
Sep 27 2005 31"	17mmT4	VF,ES,OVAL,* LIKE NUC,VF* ON EDGE,PAIR-IC1331,R=P	
PGC 65506		Galaxy Sc sp	
Aug 03 2013 36"	17mmT4	PF,MS,EDGO ON,PA~0,SLT BULGE,VFNUC,R=PF	
PGC 65882		Galaxy SBc	
Sep 27 2005 31"	17mmT4	DIF,PF,VL,OVAL,PATCH,UB,PAIR=MAC,NND,R=F	
PGC 66242		Galaxy SB(rs)bc:	
Sep 27 2005 31"	17mmT4	VDIF,VF,VL,OVAL,PATCH,UB,NND,R=F	
PGC 66265		Galaxy	
Sep 27 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,TRI OF F*S ON EDGE,PAIR=PGC66279,R=P	
PGC 66279		Galaxy E	

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PGC 66279		Galaxy E
Sep 27 2005 31"	17mmT4	MF,VS,R,FLNUC,SHISB,PAIR=IC5090/PGC,R=F
PGC 66570		Galaxy S?
Sep 04 2005 31"	17mmT4	VF,MS,EL,PATCH,NND,DON'T CONFUSE WITH VF* OFF SIDE,PAIRS=PGC'S,COMP,R=P
PGC 66574		Galaxy S
Sep 04 2005 31"	17mmT4	EDIF,EF,ES,PATCH,UB,NND,AV,COMP=PGC66570,EXTENTION OF PGC66570,PAIRS=PGC'S,R=P
PGC 66575		Galaxy S?
Sep 04 2005 31"	17mmT4	EDIF,EF,VS,PATCH,AV,SUSP,EXTENSION OF PGC66574,COMP,PAIRS=PGC'S,R=P
PGC 66580		Galaxy S?
Sep 04 2005 31"	17mmT4	VDIF,VF,PS,PATCH,UB,NND,PAIRS=PGC'S,R=P
PGC 66590		Galaxy SBcd:
Oct 04 2005 31"	17mmT4	DIF,VF,PS,EL,UB,NND,PAIR=IC1373,R=P
PGC 66904		Galaxy SAB(s)bc pec?
Sep 14 2012 36"	17mmT4	VF,PS,PATCH,UB,PAIRS=7081/MAC,R=PF
Jul 24 2006 31"	17mmT4	MF,VL,OVAL,PATCH,UB,PAIR=7081,PATCHY AREAS,R=F
PGC 66940		Galaxy S
Oct 04 2005 31"	17mmT4	VF,MS,OVAL,PATCH,UB,NND,R=F
PGC 67223		Galaxy S
Sep 02 2005 31"	17mmT4	VF,MS,OVAL,PATCH,UB,NND,PAIR=MAC,R=P
PGC 67282		Galaxy Scd: sp
Sep 02 2005 31"	17mmT4	DIF,EF,ML,EL,PATCH,UB,NND,AV,R=P
PGC 67667		Galaxy
Oct 04 2005 31"	17mmT4	DIF,VF,MS,PATCH,UB,NND,R=P
PGC 67893		Galaxy SB(s)m:
Oct 07 2010 31"	17mmT4	EFIF,VF,MS,EL,UB,R=P
PGC 68034		Galaxy E/S0
Sep 11 2012 36"	17mmT4	EF,ES,SUSP,CANNOT DETERMINE FROM OTHERS,INTRACT,R=P
Sep 11 2012 36"	17mmT4	VF,VS,OVAL,UB,NND,CAN JUST BARELY SEP FROM OTHERS,MANY OTHERS PRESENT,R=P
PGC 68035		Galaxy
Sep 11 2012 36"	17mmT4	EF,ES,SUSP,CANNOT DETERMINE FROM OTHERS,INTRACT,R=P
Sep 11 2012 36"	17mmT4	VF,VS,OVAL,UB,NND,TOUCH MAC,APPEAR AS ONE ,EL GLXY,OTHERS PRESENT,R=P
PGC 68036		Galaxy
Sep 11 2012 36"	17mmT4	VF,VS,OVAL,UB,NND,CAN BARELY SEP FROM OTHERS,R=P

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PGC 68036		Galaxy
Sep 17 2009 31"	17mmT4	VF,MS,PATCH,UB,NND,INTRACT=MAC,BOTH APPEAR AS ONE PATCH,CANNOT SEP,AGC 3744,R=P
PGC 68229		Galaxy S
Sep 06 2002 12.5"	9mmT6	EEDIF,EF,ES,CLOSE TO F*,PATCH-R,PAIR/7222
PGC 68519		Galaxy S0
Sep 02 2005 31"	17mmT4	DIF,VF,MS,R,UB,NND,R=P
PGC 68593		Galaxy (R')SB(r)b?
Sep 02 2005 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,SHISB,R=F
PGC 69193		Galaxy S?
Sep 02 2005 31"	17mmT4	EDIF,EF,PL,EL,UB,NND,R=P
PGC 69233		Galaxy Sb
Sep 02 2005 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,R=F
PGC 69293		Galaxy SA(s)m
Sep 12 2007 31"	17mmT4	EF,VL,PATCH,UB,NND,R=P
PGC 69644		Galaxy S
Sep 02 2005 31"	17mmT4	DIF,VF,PS,EL,PATCH,UB,NND,R=P
PGC 69950		Galaxy S
Sep 12 2007 31"	17mmT4	MF,MS,OVAL,FLNUC,PAIRS=MAC/PGC,CLOSE COMP=MAC,R=F
PGC 69956		Galaxy Sbc
Sep 12 2007 31"	17mmT4	MF,MS,OVAL,FLNUC,PAIRS=PGC/MAC,R=F
PGC 70127		Galaxy (R')SA(s)bc: p
Sep 12 2007 31"	17mmT4	MB,ML,OVAL,UB,NND,MHISB,PAIRS=PGC'S,R=G
PGC 70130		Galaxy SB(rs)cd: pec
Sep 12 2007 31"	17mmT4	MB,ML,OVAL,UB,NND,MHISB,VF* IN EDGE OF GLXY,ANOTHER FURTHER OUT,PAIR=PGC'S,R=G
PGC 70133		Galaxy (R')SB(s)dm pec
Sep 12 2007 31"	17mmT4	EDIF,EF,VS,PATCH,AV,PAIRS=PGC'S,R=P
PGC 70235		Galaxy Sc
Sep 04 2005 31"	17mmT4	VF,MS,PATCH,UB,NND,R=P
PGC 70592		Galaxy L
Sep 17 2009 31"	17mmT4	PF,PS,PATCH,FSNUC,TOUCH=7498,CANNOT DETECT WHICH IS WHICH,R=F
PGC 71025		Galaxy Sb pec sp
Nov 11 2009 31"	17mmT4	VF,PS,EL,UB,NND,TOOK AV WHILE TO HOLD,PAIR=IC 1479,R=P

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PGC 72137		Galaxy
Sep 12 2007 31"	17mmT4	VF,PS,PATCH,UB,NND,PAIR=PGC72139,R=P
PGC 72139		Galaxy Sc? pec sp
Sep 17 2009 31"	17mmT4	MF,ML,EDGE ON,UB,NND,SLT CNTR BULGE,PAIRS=IC1505/OTHERS,R=G
Sep 12 2007 31"	17mmT4	MF,MS,EDGE ON,SLT CNTR BULGE,BKN PARTS,DUST SUSP,PAIR=PGC72137,R=F
PGC 72155		Galaxy Sb pec:
Sep 17 2009 31"	17mmT4	MF,MS,PATCH,UB,NND,PAIRS=IC1505/OTHERS,R=G
PGC 72192		Galaxy
Sep 12 2007 31"	17mmT4	MF,MS,BSNUC,SMB,R=F
PGC 72499		Galaxy E/S0
Sep 12 2012 36"	17mmT4	VF,VS,EDGE ON,UB,NND,CLOSE PAIR=7759,ALM TOUCH,PAIRS=OTHERS,R=P
PGC 72509		Galaxy
Sep 12 2012 36"	17mmT4	VF,PS,PAIRS=OTHERS,R=P
PGC 72566		Galaxy
Sep 12 2012 36"	17mmT4	VF,ES,*NUC,ALM *,CLOSE COMP=7763,R=P

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DODZ 1		Open Cluster III 2 p
Sep 22 2022 12.5"	9mmT6	(III 2 p),VB,VL,CL NO CONC,~15"S,ALM SAME MAG *S,PAIR=PGC 10570,(12:52am),R=F
IC 163		Galaxy SBdm
Oct 04 2005 31"	17mmT4	MB,VL,EL,PATCH,UB,NND,SHISB,* OFF NUC,PATCHY,R=G
IC 167		Galaxy SAB(s)c
Oct 04 2005 31"	17mmT4	MF,PL,OVAL,PATCH,UB,NND,PAIR=694,R=F
IC 180		Galaxy S
Oct 04 2005 31"	17mmT4	MB,ML,OVAL-R,BSNUC,SHISB CNTR,PAIRS=776/IC181,R=G
IC 181		Galaxy C
Oct 04 2005 31"	17mmT4	MB,ML,OVAL-R,FSNUC,PAIRS=776/IC181,R=F
IC 189		Galaxy SB?
Oct 04 2005 31"	17mmT4	PF,ML,PATCH,UB,NND,PAIRS=IC190/PGC7729,R=F
IC 190		Galaxy E?
Oct 04 2005 31"	17mmT4	MF,MS,R,BSNUC,PAIRS=PGC7729/IC189,R=F
IC 192		Galaxy S0
Oct 04 2005 31"	17mmT4	MF,MS,R,BSNUC,MHISB CNTR,R=G
IC 193		Galaxy SA(rs)c
Oct 04 2005 31"	17mmT4	DIF,PF,MS,PATCH,UB,NND,PATCHY,2F"S OFF ONE SIDE,KEEP B* OUT OF FOV,R=F
IC 195		Galaxy SAB0^
Oct 04 2005 31"	17mmT4	VB,PL,R,BSNUC,HISB CNTR,PAIR-IC196,R=G
IC 196		Galaxy SBb:
Oct 04 2005 31"	17mmT4	VB,VL,EL,BSNUC,CNTR BULGE,GMBM,HISB CNTR,PAIR=IC195,R=G
IC 212		Galaxy
Oct 04 2005 31"	17mmT4	MF,MS,OVAL,FSNUC,2F"S IN A LINE OFF TO ONE SIDE,R=F
IC 213		Galaxy SAB(rs)b
Oct 04 2005 31"	17mmT4	PF,ML,UB,NND,PATCHY,F* IN EDGE OF GLXY,R=F
IC 222		Galaxy Sc
Oct 04 2005 31"	17mmT4	PF,PS,R,UB,NND,VF* OFF ONE SIDE,PAIR=MAC,R=F
IC 235		Galaxy Pec
Oct 30 2005 31"	17mmT4	MF,PS,OVAL,PATCH,UB,NND,R=G
IC 238		Galaxy S0
Oct 30 2005 31"	17mmT4	MB,PL,EL,BLNUC,MHISB,HISB CNTR,R=G

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IC 248		Galaxy Sa:
Oct 30 2005 31"	17mmT4	MB,MS,FLNUC,SHISB CNTR,R=F
IC 255		Galaxy SB
Sep 25 2003 31"	17mmT4	DIF,PF,MS,PATCH,UB,NND,PAIR=1088,R=F
IC 267		Galaxy (R')SB(s)b
Sep 25 2003 31"	17mmT4	MF,VL,EL,PATCH,UB,NND,SHISB,F* IN NUC,PAIR=1134,R=G
IC 279		Galaxy
Oct 20 2006 31"	17mmT4	MF,MS,OVAL,FLNUC,SMWHT BM,R=F
IC 1736		Galaxy Sbc
Oct 04 2005 31"	17mmT4	MF,PL,EL,UB,NND,R=F
IC 1742		Galaxy S?
Oct 04 2005 31"	17mmT4	PF,MS,OVAL,UB,NND,R=F
IC 1748		Galaxy SABbc
Oct 04 2005 31"	17mmT4	MF,MS,OVAL,UB,NND,PATCHY,PAIR=PGC7221,R=F
IC 1755		Galaxy Sa
Oct 04 2005 31"	17mmT4	MF,MS,EL,FLNUC,SHISB,PAIR=MAC,R=F
IC 1764		Galaxy SB(r)b
Oct 04 2005 31"	17mmT4	PB,ML,R,BSNUC,MHISB CNTR,PAIR=PGC7594,R=G
IC 1774		Galaxy SAB(s)d
Oct 04 2005 31"	17mmT4	DIF,VF,VL,PATCH,UB,NND,R=P
IC 1775		Galaxy SBbc
Oct 04 2005 31"	17mmT4	VDIF,EF,ML,OVAL,PATCH,UB,NND,R=P
IC 1777		Galaxy S
Oct 04 2005 31"	17mmT4	MF,PS,OVAL-R,FSNUC,* CLOSE BY,PAIRS=MAC'S,R=F
IC 1780		Galaxy Sb
Oct 04 2005 31"	17mmT4	PF,PS,PATCH,UB,NND,R=F
IC 1790		Galaxy S
Oct 04 2005 31"	17mmT4	MF,MS,EL,PATCH,UB,NND,PAIR=IC1791,R=F
IC 1791		Galaxy S0
Oct 04 2005 31"	17mmT4	MF,MS,R,BLNUC,GMBM,HISB CNTR,PAIR=IC1790,R=G
IC 1794		Galaxy S0?
Oct 04 2005 31"	17mmT4	PF,PS,OVAL,FSNUC,R=F

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IC	1797		Galaxy SB
Oct 04 2005	31"	17mmT4	PF,MS,FSNUC,VF* JUST OFF GLXY,PAIR=MAC,R=F
IC	1801		Galaxy SBb:
Oct 04 2005	31"	17mmT4	MF,MS,EL,UB,NND,CLOSE COMP=935,R=F
IC	1803		Galaxy S0?
Oct 04 2005	31"	17mmT4	MB,MS,EL,BSNUC,MHISB CNTR,R=G
IC	1807		Galaxy E
Oct 04 2005	31"	17mmT4	MF,MS,R,FSNUC,R=F
IC	1809		Galaxy (R')SB(s)ab
Oct 30 2005	31"	17mmT4	PF,MS,OVAL,UB,NND,R=F
IC	1817		Galaxy Sm
Oct 30 2005	31"	17mmT4	VF,PS,PATCH,UB,NND,CLOSE COMP=PGC9764,R=F
IC	1821		Galaxy
Oct 30 2005	31"	17mmT4	MF,MS,PATCH,UB,NND,KEEP B* OUT OF FOV,R=F
IC	1832		Galaxy S0
Oct 30 2005	31"	17mmT4	MF,MS,PATCH,FLNUC,GBM,R=F
IC	1835		Galaxy
Oct 30 2005	31"	17mmT4	PF,PS,PATCH,UB,NND,R=F
IC	1838		Galaxy S
Oct 30 2005	31"	17mmT4	PF,PS,PATCH,FLNUC,PAIR=MAC,R=F
IC	1839		Galaxy Sb-c
Oct 30 2005	31"	17mmT4	VF,MS,EL,UB,NND,KEEP B* OUT OF FOV,R=F
IC	1841		Galaxy SBb
Oct 30 2005	31"	17mmT4	PF,MS,OVAL,UB,NND,PAIR=MAC,R=F
IC	1842		Galaxy
Oct 30 2005	31"	17mmT4	VF,MS,EL,UB,NND,R=P
IC	1846		Galaxy Compact
Sep 25 2003	31"	17mmT4	PF,MS,PATCH,UB,NND,VF* IN GLXY,R=F
IC	1847		Galaxy
Oct 30 2005	31"	17mmT4	VF,PS,PATCH,UB,NND,R=F
IC	1854		Galaxy S0
Oct 30 2005	31"	17mmT4	MF,PS,PATCH,VBSNUC,R=F

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IC 1857		Galaxy S?
Oct 30 2005 31"	17mmT4	DIF,VF,MS,PATCH,UB,NND,R=P
IC 1861		Galaxy SA0^
Oct 30 2005 31"	17mmT4	MF,PS,OVAL-R,*NUC,MHISB,VS*NUC,R=F
IC 1890		Galaxy S0
Oct 30 2005 31"	17mmT4	MF,PS,R,FSNUC,R=F
IC 1894		Galaxy
Oct 30 2005 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,R=F
MAC 0157+1430		Galaxy
Oct 04 2005 31"	17mmT4	VF,VS,PATCH,NND,PAIR=IC1755,R=P
MAC 0157+1442		Galaxy
Oct 04 2005 31"	17mmT4	EF,VS,OVAL,UB,NND,PAIRS=PGC7342/MAC,R=P
MAC 0157+1443		Galaxy
Oct 04 2005 31"	17mmT4	VF,VS,OVAL,UB,NND,PAIRS=PGC7342/MAC,R=P
MAC 0205+1509		Galaxy
Oct 04 2005 31"	17mmT4	VF,PS,PATCH,UB,NND,PAIRS=IC1777/MAC,R=P
MAC 0206+1507		Galaxy
Oct 04 2005 31"	17mmT4	VF,PS,PATCH,UB,NND,PAIRS=IC1777/MAC,R=P
MAC 0206+1516		Galaxy
Oct 04 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=PGC8058/PGC8057,R=P
MAC 0213+1320		Galaxy
Sep 12 2007 31"	17mmT4	EF,VS,AV,SUSP,HICKSON 17,R=P
MAC 0223+1138		Galaxy
Oct 04 2005 31"	17mmT4	EF,VS,PATCH,AV,PAIR=IC222,R=P
MAC 0223+2633		Galaxy
Oct 04 2005 31"	17mmT4	PF,VS,OVAL,FSNUC,VF* IN EDGE,NGC901 DNE,PAIR=MAC,R=F
MAC 0223+2636		Galaxy
Oct 04 2005 31"	17mmT4	EF,ES,PATCH,AV,ON TOP OF *,PAIR=MAC,R=P
MAC 0225+2020		Galaxy
Oct 04 2005 31"	17mmT4	EF,ES,PATCH,SUSP,PAIR=IC1797,R=P
MAC 0239+1819		Galaxy
Oct 25 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,R=P

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MAC 0239+1822A Galaxy
 Oct 25 2006 31" 17mmT4 EF,VS,PATCH,AV,COMP=MAC,R=P

MAC 0239+1822B Galaxy
 Oct 25 2006 31" 17mmT4 EF,VS,PATCH,SUSP,LOC GOOD,COMP=MAC,R=P

MAC 0244+1924 Galaxy
 Oct 30 2005 31" 17mmT4 EF,VS,PATCH,UB,AV,PAIR=IC1838,R=P

MAC 0244+2608 Galaxy
 Oct 12 2007 31" 17mmT4 VF,VS,PATCH,UB,NND,R=P

MAC 0245+1855 Galaxy
 Oct 30 2005 31" 17mmT4 VF,VS,PATCH,UB,NND,AV,V* OFF ONE SIDE,PAIR=IC1841,R=P

MAC 0255+1545 Galaxy
 Sep 17 2009 31" 17mmT4 VF,PS,OVAL,UB,NND,AV FIRST THEN HOLDS,AGC 397,R=P

MAC 0255+1552 Galaxy
 Sep 17 2009 31" 17mmT4 EF,VS,PATCH,NND,TOOK AV A WHILE,AV COMES AND GOES,AGC 397,R=P

MAC 0255+1559 Galaxy
 Sep 17 2009 31" 17mmT4 VF,ES,R,*NUC,CLOSE TO *,AGC 397,R=P

MAC 0255+1605 Galaxy
 Sep 17 2009 31" 17mmT4 VF,PS,PATCH,NND,AV HOLDS AFTER A WHILE,AGC 397,R=P

MAC 0255+1606 Galaxy
 Sep 17 2009 31" 17mmT4 VF,VS,PATCH,NND,TOOK A WHILE TO DET WITH AV,AGC 397,R=P

MAC 0256+1539 Galaxy
 Sep 17 2009 31" 17mmT4 PF,PS,OVAL,UB,NND,AGC 397,R=P

MAC 0256+1543 Galaxy
 Sep 17 2009 31" 17mmT4 PF,VS,* NUC,CLOSE TO *,AGC 397,R=P

MAC 0256+1545 Galaxy
 Sep 17 2009 31" 17mmT4 EF,VS,PATCH,LOC GOOD,SUSP,AGC 397,R=P

MAC 0256+1545A Galaxy
 Sep 17 2009 31" 17mmT4 EF,VS,PATCH,AV ONLY ONCE,BARRON FOV,SUSP,LOC GOOD,AGC 397,R=P

MAC 0256+1552 Galaxy
 Sep 17 2009 31" 17mmT4 VF,PS,OVAL,NND,AGC 397,R=P

MAC 0256+1557 Galaxy
 Sep 17 2009 31" 17mmT4 VF,PS,AGC 397,R=P

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MAC 0256+1600 Galaxy
 Sep 17 2009 31" 17mmT4 VF,VS,OVAL,PATCH,NND,AV HOLDS,AGC 397,R=P

MAC 0256+1601 Galaxy
 Sep 17 2009 31" 17mmT4 EF,VS,PATCH,UB,NND,TOOK AV A WHILE TO HOLD,AGC 397,R=P

MAC 0257+1526 Galaxy
 Sep 17 2009 31" 17mmT4 PF,MS,OVAL,PATCH,UB,NND,R=F

MAC 0257+1532 Galaxy
 Sep 17 2009 31" 17mmT4 PF,PS,OVAL,UB,NND,AGC 397,R=P

MAC 0257+1537 Galaxy
 Sep 17 2009 31" 17mmT4 VF,PS,PATCH,AV HOLDS,NND,AGC 397,R=P

MAC 0257+1539 Galaxy
 Sep 17 2009 31" 17mmT4 VF,PS,PATCH,NND,AGC 397,R=P

MAC 0257+1543 Galaxy
 Sep 17 2009 31" 17mmT4 VF,VS,PATCH,UB,NND,AGC 397,R=P

MAC 0257+1551 Galaxy
 Sep 17 2009 31" 17mmT4 EF,VS,PATCH,TOOK AV A LONG TIME TO DETECT,COMES AND GOES,AGC 397,R=P

MAC 0257+1558 Galaxy
 Sep 17 2009 31" 17mmT4 PF,PS,OVAL,FSNUC,AGC 397,R=F

MAC 0257+1559 Galaxy
 Sep 17 2009 31" 17mmT4 EF,VS,PATCH,NND,AV HOLDS AFTER A WHILE,AGC 397,R=P

MAC 0257+1559A Galaxy
 Sep 17 2009 31" 17mmT4 PF,PS,OVAL,FSNUC,AGC 397,R=F

MAC 0257+1602 Galaxy
 Sep 17 2009 31" 17mmT4 VF,VS,PATCH,NND,AGC 397,R=P

MAC 0257+1606 Galaxy
 Sep 17 2009 31" 17mmT4 VF,VS,PATCH,NND,AV COMES AND GOES,AGC 397,R=P

MAC 0257+1610 Galaxy
 Sep 17 2009 31" 17mmT4 EF,VS,PTCH,TOOK AV A LONG TIME,KEEP B* OUT OF FOV,AGC 397,R=P

MAC 0257+1614 Galaxy
 Sep 17 2009 31" 17mmT4 NO FIND,B* TOO CLOSE BY,AGC 397,R=P

MAC 0258+1604 Galaxy
 Sep 17 2009 31" 17mmT4 VF,PS,PATC,UB,NND,AGC 397,R=P

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MAC 0258+1605		Galaxy	
Sep 17 2009 31"	17mmT4	EF,VS,PATC,AV COMES AND GOES,AGC 397,R=P	
MAC 0309+1910		Galaxy	
Oct 30 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,CLOSE TO B*,R=P	
MCG +3-8-32		Galaxy E/S0	
Sep 17 2009 31"	17mmT4	PF,VS,OVAL,FSNUC,AGC 397,R=F	
NGC 671		Galaxy S?	EF,PS,R,BET D*\$*
Sep 23 1981 12.5"	16mm	EDIF,BF,VS,OVAL-PATCH,SBM,SAME FIELD W/677	
NGC 673		H589-2 Galaxy SAB(s)c	PF,PL,E,LBM,*11NF3'
Oct 22 1982 12.5"	16mm	VDIF,VF,VS,B* TO E SVRL GLXY DIA,PATCH-OVAL,*NUC	
NGC 675		Galaxy S	VF,S,R,LBM,SP OF 2
Sep 23 2003 31"	17mmT4	MF,ML,PATCH,UB,NND,PAIR=677,R=G	
NGC 677		Galaxy E	EEF,S,R,NF OF 2
Sep 23 2003 31"	17mmT4	VB,PL,BNUC,HISB,PAIR=675,R=E	
Oct 22 1982 12.5"	16mm	DIF,PF,MS,FNUC,R,*SNUC,F* TO W IN OUTER PART OF GLXY,PAIR/671	
NGC 678		H228-2 Galaxy SB(s)b: sp	PB,S,IR,MBM,P OF 2
Sep 23 2003 31"	17mmT4	VF,VL,EL TO EDGE ON,BLNUC,DUST LANE SUSP,HISB,PAIR=680,R=E	
Oct 22 1982 12.5"	16mm	DIF,MF,PS,EDGE ON,GBM,CLOSE PAIR/680	
NGC 680		H229-2 Galaxy E+ pec:	PB,S,IR,MBM,F OF 2
Sep 23 2003 31"	17mmT4	VB,PL,R,BLNUC,GMBM,FARMS,HISB,PAIR=680,COMP DET NOT ID,R=G	
Oct 22 1982 12.5"	16mm	MF,PS,VMBM,R,CLOSE PAIR/678	
NGC 683		Galaxy S?	EF,2*14P90"
Oct 22 1982 12.5"	16mm	EDIF,EF,VS,ON EDGE OF VISIBILITY	
NGC 691		H617-2 Galaxy SA(rs)bc	F,CL,VGLBM
Sep 23 2003 31"	17mmT4	MB,VL,OVAL-R,FNUC,DBL * IN FOV,F*S SUR GLXY,SPR STR DET,ARMS,HISB MID,R=E	
Oct 22 1982 12.5"	16mm	DIF,MF,MS,BKNT IN E PART,CLOSE DBL IN W SIDE,OVAL,PAIR/694	
NGC 694		Galaxy S0? pec	F,S,R,BET2*15
Oct 04 2005 31"	17mmT4	PB,ML,R,BLNUC,HISB CNTR,PAIR=IC167,R=G	
Oct 22 1982 12.5"	16mm	VDIF,VF,VS,LIES WITHIN 4"S,PAIR/691	
NGC 695		H618-2 Galaxy S0? pec	VS,STELLAR
Oct 22 1982 12.5"	16mm	VF,ES,STRAIGHT N OF 697,F* ON W SIDE,R,*NUC	
NGC 697		H179-3 Galaxy SAB(r)c:	F,CL,E,MBM
Oct 22 1982 12.5"	16mm	SAME	
Sep 24 1981 12.5"	16mm	CLOSE DBL * OFF TO E,KNTY STR SUSP,SBM,DIF,PF,MS	

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NGC 697 Sep 10 1980 12.5" 24mm	H179-3	Galaxy SAB(r)c:	F,CL,E,MBM
NGC 711 Oct 22 1982 12.5" 16mm		Galaxy S0 VDIF,VF,VS,R,*NUC OR F*	VF*IN VF,VS NEBY
NGC 716 Sep 23 2003 31" 17mmT4		Galaxy SBa: VF,ML,OVAL,BLNUC,GMBM,HISB CNTR,R=G	EF,S,R,B* F
NGC 719 Oct 22 1982 12.5" 16mm		Galaxy S0? VDIF,VF,ES,GRP OF F*S TO W,R,SBM	EF,R,VF*F
NGC 722 Oct 22 1982 12.5" 16mm		Galaxy S? EDIF,EF,MS,PATCHY,V CLOSE TO BETA	VF,VS,R,BETA ARI N
NGC 765 Oct 22 1982 12.5" 16mm		Galaxy SAB(rs)bc EDIF,VF,VS,PATCH,*NUC SUSP	VF,VS
NGC 770 Oct 22 1982 12.5" 16mm Sep 24 1981 12.5" 16mm		Galaxy E3: SAME EDIF,VF,ES,R,*NUC,SLT HAZE SUR NUC,COMPANION W/772	VF,S,R,SP772
NGC 772 Oct 23 1982 12.5" 16mm Sep 24 1981 12.5" 16mm Oct 31 1980 12.5" 24mm Oct 29 1980 8" 24mm Sep 10 1980 12.5" 24mm Sep 07 1980 12.5" 24mm	H112-1	Galaxy SA(s)b SAME PB,PL,SBM,EL,* E SIDE,F 15TH MAG COMP W/770 1 GLXY DIA,BNUC,FARMS NICE!!,VL,PF,SIM TO M33	B,CL,R,GBM,R
NGC 774 Oct 22 1982 12.5" 16mm	H214-3	Galaxy S0 VDIF,MF,PS,S OF F*,UB,OVAL	VF,STELLAR
NGC 776 Oct 04 2005 31" 17mmT4 Oct 22 1982 12.5" 16mm		Galaxy SAB(rs)b PB,PL,OVAL-R,BNUC,F* OUTER EDGE,MHISB CNTR,PAIRS=IC180/IC181,R=G VDIF,VF,MS,OVAL PATCH,UB	F,PL
NGC 781 Oct 22 1982 12.5" 16mm	H215-3	Galaxy S? DIF,EF,VS,R,STELL NUC	EF,STELLAR
NGC 786 Sep 23 2003 31" 17mmT4		Galaxy S? MB,ML,OVAL,PATCH,NND,MHISB THROT,R=G	EF,VS
NGC 792 Sep 23 2003 31" 17mmT4 Oct 22 1982 12.5" 16mm		Galaxy S0 MB,PL,EL,BNUC,GMBM,TAPERED ENDS,SHISB,R=G DIF,VF,ES,F* CLOSE BY,HISB,S UB PATCH	EF,S,R,*11 75DEGREES

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NGC 794		H207-3	Galaxy S0-:	VF,CS,STELLAR
Sep 23 2003 31"	17mmT4	PB,ML,OVAL-R,BLNUC,GMBM,MHISB,R=G		
NGC 803		H208-3	Galaxy SA(s)c: sp	VF,S,IR,GLBM,*10P3S
Oct 23 1982 12.5"	16mm	MF,MS,SLT ELMHISB,NND,B*W SIDE,12MM SBM		
NGC 810			Galaxy E?	VF,VS,R,BM
Oct 23 1982 12.5"	16mm	EDIF,EF,ES,SUSP FIND,JUST E OF F*,R,VS		
NGC 817			Galaxy S?	EF,VS,R,2*NR
Oct 23 1982 12.5"	16mm	DIF,VF,VS,FNUC,SBM,R		
NGC 820			Galaxy Sb	F,VS,R,BM
Oct 22 1982 12.5"	16mm	DIF,VF,MS,BET 2F*S,UB,R,PATCH		
NGC 821		H152-1	Galaxy E6?	PB,VS,VLE,SVMBM,*NP
Oct 22 1982 12.5"	24mm	SAME		
Sep 24 1981 12.5"	24mm	F*S 3 GLXY DIA,11 MAG * N BORDER,HISB,MBM,MF,PS		
Sep 10 1980 12.5"	24mm			
NGC 870			Galaxy S	EF,STELLAR,2VF* SP
Sep 25 2003 31"	17mmT4	VDIF,EF,ES,PATCH,PAIR=871,ALM *,R=P		
NGC 871		H201-3	Galaxy SB(s)c:	VF,VS,E,*10SF5'
Sep 23 2003 31"	17mmT4	PB,ML,OVAL,HISB THROT,F* OFF NUC,BLNUC,GMBM,R=E		
Oct 22 1982 12.5"	16mm	MF,PS,R,MHISB,PAIR/877		
NGC 876			Galaxy SAc: sp	EF,S,R,107"SP877
Sep 23 2003 31"	17mmT4	VDIF,VF,PL,PATCH,UB,NND,PAIR=877,R=F		
NGC 877		H246-2	Galaxy SAB(rs)bc	PF,PL,LE,PGBM,
Sep 23 2003 31"	17mmT4	VF,VL,OVAL,FSNUC,SPR STR DET,PAIR=876,R=E		
Oct 23 1982 12.5"	16mm	SAME		
Sep 24 1981 12.5"	24mm	NND,MF,MS,KNTY STR SUSP,13 MAG * IN S ARM		
Sep 10 1980 12.5"	24mm	N OF B* IN FOV		
NGC 882			Galaxy S0	EF,R,GBM,*16NR
Oct 22 1982 12.5"	16mm	EDIF,EF,VS,VF* S TIP,*NUC SUSP,R		
NGC 900			Galaxy S0	VF,VS,STELLAR
Oct 04 2005 31"	17mmT4	MB,MS,R,BSNUC,PAIRS=MAC'S,R=G		
Oct 23 1982 12.5"	16mm	VDIF,EF,VS,FORMS TRI WITH 2 F*S,R,SBM		
NGC 903			Galaxy	EF,ES,R
Sep 23 2003 31"	17mmT4	PF,MS,PATCH,UB,NND,PAIRS=904/PGC9102,R=P		
NGC 904			Galaxy E	VF,VS,R,LBM

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NGC 904		Galaxy E	VF,VS,R,LBM
Sep 23 2003 31"	17mmT4	MF,MS,OVAL,BLNUC,GMBM,PAIRS=903/PGC9102,R=F	
Oct 23 1982 12.5"	16mm	VDIF,EF,ES,15TH MAG * OR *NUC SUSP,R,PATCHY	
NGC 915		Galaxy	EF,VS,STELLAR
Sep 23 2003 31"	17mmT4	MF,MS,R,BNUC,BM,PAIRS=916/PGC9220,R=F	
NGC 916		Galaxy	EF
Sep 23 2003 31"	17mmT4	MF,MS,R,BNUC,BM,PAIRS=915/PGC9220,R=F	
NGC 918		Galaxy SAB(rs)c:	PF,L,R,*10SF3'
Oct 23 1982 12.5"	16mm	DIF,MF,ML,B*SW 1 GLXY DIA,F*E SIDE SUSP,OVAL,UB,NND	
NGC 919		Galaxy Sab	EF
Sep 23 2003 31"	17mmT4	MF,MS,OVAL,PATCH,F* ON SIDE,F* OTHER SIDE IN EDGE,R=F	
NGC 924		H474-3 Galaxy S0	EF,VS,IR
Sep 25 2003 31"	17mmT4	VB,PL,EL,BLNUC,HISB CNTR,PAIR=PGC9313,R=G	
Oct 23 1982 12.5"	16mm	VF,VS,SBM,R,* IN GLXY SUSP	
NGC 927		Galaxy SB(r)c	F,S,BM
Sep 25 2003 31"	17mmT4	MF,PL,OVAL,FSNUC,SBM,SHISB CNTR,R=G	
NGC 928		Galaxy S?	EF,VS,STELLAR
Oct 23 1982 12.5"	16mm	VDIF,VF,VS,F* JUST TO W,R	
NGC 932		H489-2 Galaxy SAa	F,S,LE,3*INV
Oct 04 2005 31"	17mmT4	MB,MS,R,BLNUC,HISB CNTR,GMBM,R=G	
Sep 25 2003 31"	17mmT4	VB,PL,R,BLNUC,HISB CNTR,SAME FOV WITH 938,R=G	
Oct 23 1982 12.5"	16mm	MF,PS,F* OFF E SIDE,CLOSE TO 924,SBM,R,PAIR/938	
NGC 935		Galaxy Scd:	PB,PS,R,*F6S
Oct 04 2005 31"	17mmT4	PB,ML,MHISB,CLOSE COMP=IC1801,F* IN GLXY EDGE,S PATCH NUC,R=G	
Oct 23 1982 12.5"	16mm	VDIF,PF,PS,B* CLOSE,* OR NUC SUSP,2 GLXY SUSP	
NGC 938		Galaxy E	PB,S,R,LBM,*11SF
Oct 04 2005 31"	17mmT4	MB,MS,R,BLNUC,F* OUTER EDGE,HISB CNTR,GMBM,R=G	
Sep 25 2003 31"	17mmT4	MB,ML,BSNUC,F* OFF EDGE,SAME FOV WITH 930,R=G	
Oct 23 1982 12.5"	16mm	VDIF,VF,VS,STELL,NUC,PATCHY,PAIR/930	
NGC 962		Galaxy E	EF,S,GBMN
Oct 23 1982 12.5"	12mm	MF,PS,FNUC,VF*N&S 1 GLXY DIA,R,GMBM	
NGC 972		H211-2 Galaxy Sab	PB,CL,LE,GMBM,3*S
Oct 23 1982 12.5"	16mm	SAME	
Sep 24 1981 12.5"	16mm	EL,HISB,GBM,5F*S LOOP SUR GLXY,SE *S VF,MB,PL	
Oct 31 1980 12.5"	24mm		

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NGC 972 Sep 10 1980 12.5" 24mm	H211-2	Galaxy Sab	PB,CL,LE,GMBM,3*S
NGC 976 Oct 23 1982 12.5" 16mm		Galaxy SA(rs)c:	VF,VS,4F * NR
	MF,MS,FNUC,R,SBM,MHISB,FORMS V WITH 4 OTHER*S		
NGC 984 Oct 23 1982 12.5" 16mm		Galaxy SA0+	VF,ES,R,BM
	VDIF,VF,PS,F* TO S TIP,PATCHY		
NGC 990 Oct 23 1982 12.5" 16mm	H557-3	Galaxy E	F,S,R,PSBM
	VF,VS,BSNUC,R,SBM		
NGC 992 Oct 23 1982 12.5" 16mm		Galaxy S?	PF,PS,ME,*S
	DIF,PF,PS,PATCHY,UB,F* CLOSE BY		
NGC 1012 Oct 23 1982 12.5" 16mm	H152-3	Galaxy S0/a?	F,PS,IR,BM,ST INV
	DIF,MF,MS,OVAL,F* IN S PART,12MM: ,EL N TO S,NND,UB,MHISB		
NGC 1024 Sep 25 2003 31" 17mmT4 Oct 23 1982 12.5" 16mm	H592-2	Galaxy (R')SA(r)ab	PF,S,LE,BM,*11NF 1'
	VB,VL,EL,BLNUC,GMBM,HISB,PAIRS/1028/1029,R=G		
	MF,ML,FNUC,F* TO N,GBM,R-OVAL,PAIR/1029		
NGC 1028 Sep 25 2003 31" 17mmT4		Galaxy Sa	EF
	DIF,PF,MS,PATCH,UB,NND,PAIRS/1024/1029,R=F		
NGC 1029 Sep 25 2003 31" 17mmT4 Oct 23 1982 12.5" 16mm		Galaxy S0/a	F,S,ME
	VB,VL,EDGE ON,BLNUC,DUST LANE SUSP,MHISB,PAIRS/1024/1028,R=G		
	MF,ML,EL,SBM,PAIR/1024		
NGC 1030 Oct 23 1982 12.5" 16mm	H581-3	Galaxy S?	VF,IE
	DIF,MF,MS,EL,UB,NND,F*N TIP		
NGC 1036 Oct 30 2005 31" 17mmT4 Oct 23 1982 12.5" 16mm	H475-3	Galaxy Pec?	F,S,R,LBM
	PB,PL,EL,BLNUC,BAR LIKE NUC,HISB CNTR,R=G		
	DIF,VF,PS,R,SBM		
NGC 1054 Sep 25 2003 31" 17mmT4		Galaxy S?	VF,VS,LE
	PB,ML,R,SBM,FNUC,SHISB,PAIR=10254,R=G		
NGC 1056 Sep 25 2003 31" 17mmT4	H584-3	Galaxy Sa:	F,S,R,PSBM
	PB,PL,EL,BLNUC,TAPERED ENDS,MHISB,R=G		
NGC 1088 Sep 25 2003 31" 17mmT4	H582-3	Galaxy S0/a	VF,S,IF
	MB,PS,OVAL,FSNUC,PAIR=IC255,R=F		
NGC 1109 Sep 25 2003 31" 17mmT4		Galaxy SAB(s)c	VF
	PF,ML,OVAL,PATCH,UB,*NUC,R=F		

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NGC 1111			Galaxy	F,VS,STELLAR
Oct 30 2005 31"	17mmT4	PF,PS,R,UB,NND,R=F		
Sep 25 2003 31"	17mmT4	MF,MS,FSNUC,R=F		
NGC 1115			Galaxy Sb	VF
Oct 30 2005 31"	17mmT4	PF,MS,PATCH,UB,NND,R=F		
Sep 25 2003 31"	17mmT4	MF,PS,OVAL,FSNUC,PAIR=1116,R=F		
NGC 1116			Galaxy Sab	VF
Sep 25 2003 31"	17mmT4	MF,PS,EL,SBM,FSNUC,CNTR BULGE,PAIR=1115,R=F		
NGC 1117			Galaxy E	CLOSE TO A S*
Sep 25 2003 31"	17mmT4	PF,VS,OVAL,PATCH,*NUC,INTRACT WITH PGC10821,R=F		
NGC 1127			Galaxy (R)SB(r)ab:	VF
Sep 25 2003 31"	17mmT4	PF,MS,PATCH,UB,NND,R=F		
NGC 1134		H254-2	Galaxy S?	F,S,IR,R
Sep 25 2003 31"	17mmT4	VB,VL,EL,BVLNUC,GMBM,SHISB,PAIRS/10907/IC267,R=G		
Oct 23 1982 12.5"	16mm	MV,MS,F*E EDGE,HISB,OVAL		
NGC 1156		H619-2	Galaxy IB(s)m	PB,CL,PME0,BET2*
Oct 23 1982 12.5"	16mm	HISB,SAME		
Sep 24 1981 12.5"	16mm	* IN GLXY N SIDE(13MAG),PATCHY DIF,UB,2-3F*S SUR GLXY		
Oct 31 1980 12.5"	24mm			
Sep 10 1980 12.5"	24mm	B*N PART		
NGC 1166			Galaxy Sab	EF,S
Sep 25 2003 31"	17mmT4	MF,PL,PATCH,UB,NND,3F*S IN GLXY,PAIR=1168,R=F		
NGC 1168			Galaxy SAB(rs)b:	EF
Sep 25 2003 31"	17mmT4	DIF,PF,MS,PATCH,UB,NND,PAIR=1166,R=P		
NGC 1236			Galaxy	EF,VS,R
Sep 25 2003 31"	17mmT4	MF,PS,R,FSNUC,SBM,R=F		
PGC 6627			Galaxy Scd:	
Sep 23 2003 31"	17mmT4	DIF,VF,ML,EDGE ON,PATCH,UB,R=G		
PGC 6633			Galaxy (R')SB(s)a	
Sep 23 2003 31"	17mmT4	MF,ML,EL,FNUC,SBM,TAPERED,R=G		
PGC 6634			Galaxy S	
Nov 17 2012 36"	17mmT4	VF,VS,EL,UB,NND,PAIRS=OTHERS,R=P		
PGC 6654			Galaxy S	
Nov 17 2012 36"	17mmT4	VF,VS,EL,UB,NND,THIN SLIVER,CLOSE TO *,PAIRS=OTHERS,R=P		

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PGC 6657		Galaxy SB0
Sep 23 2003 31"	17mmT4	MB,ML,OVAL,BNUC,SHISB,R=G
PGC 6670		Galaxy Sa:
Sep 23 2003 31"	17mmT4	MF,MS,OVAL,FSNUC,SBM,R=F
PGC 6678		Galaxy Sc
Sep 23 2003 31"	17mmT4	VDIF,VF,MS,PATCH,UB,NND,R=P
PGC 6687		Galaxy S
Sep 23 2003 31"	17mmT4	DIF,VF,PS,PATCH,UB,NND,R=F
PGC 6694		Galaxy S0/a
Sep 23 2003 31"	17mmT4	PB,ML,EL,BNUC,SBM,MHISB CNTR,ARMS DET,R=G
PGC 6749		Galaxy
Sep 23 2003 31"	17mmT4	DIF,PF,MS,PATCH,UB,NND,R=F
PGC 6817		Galaxy S?
Sep 23 2003 31"	17mmT4	MF,MS,EL,PATCH,UB,NND,R=F
PGC 6855		Galaxy SA(s)c
Sep 23 2003 31"	17mmT4	VDIF,VF,PL,OVAL,PATCH,UB,R=F
PGC 6885		Galaxy
Oct 04 2005 31"	17mmT4	MF,PS,R,UB,NND,B* IN FOV,R=F
PGC 7221		Galaxy
Oct 04 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR-IC1748,R=P
PGC 7342		Galaxy C
Oct 04 2005 31"	17mmT4	PF,PS,OVAL,UB,NND,PAIRS=MAC'S,R=P
PGC 7359		Galaxy Sbc
Oct 20 2006 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,R=P
PGC 7569		Galaxy C
Oct 04 2005 31"	17mmT4	MF,MS,EL,FSNUC,R=F
PGC 7594		Galaxy S?
Oct 04 2005 31"	17mmT4	MB,MS,EL,MHISB,ONE SIDE THICKER,F* OFF TIP,PAIR=IC1764,R=G
PGC 7644		Galaxy S0
Sep 23 2003 31"	17mmT4	MF,MS,BSNUC,F GLOW SUR NUC,R=G
PGC 7687		Galaxy SBc
Sep 23 2003 31"	17mmT4	VDIF,PF,MS,PATCH,UB,NND,R=P

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PGC 7707		Galaxy
Oct 04 2005 31"	17mmT4	PF,PS,R,UB,NND,R=F
PGC 7729		Galaxy C
Oct 04 2005 31"	17mmT4	PF,VS,OVAL,FSNUC,PAIRS=IC190/IC189,R=P
PGC 7758		Galaxy C
Oct 04 2005 31"	17mmT4	MF,MS,EL,FSNUC,R=F
PGC 7826		Galaxy SAB(s)c
Sep 23 2003 31"	17mmT4	DIF,PF,PL,PATCH,UB,NND,F* OFF ON EDGE,R=G
PGC 7966		Galaxy Scd:
Oct 04 2005 31"	17mmT4	VDIF,EF,PL,EL,UB,NND,KEEP B* OUT OF FOV,PAIR=810,R=P
PGC 8057		Galaxy S
Oct 04 2005 31"	17mmT4	PF,PS,PATCH,UB,NND,CLOSE COMP=PGC8058,R=F
PGC 8058		Galaxy S
Oct 04 2005 31"	17mmT4	PF,PS,PATCH,UB,NND,CLOSE COMP=PGC8057,R=F
PGC 8558		Galaxy E
Sep 12 2007 31"	17mmT4	VF,VS,PATCH,NND,CAN BARELY SEP,F TRI GLOW,HICKSON 17,POOR GRP,R=P
PGC 8560		Galaxy E
Sep 12 2007 31"	17mmT4	VF,VS,PATCH,NND,CAN BARELY SEP,F TRI GLOW,HICKSON 17,POOR GRP,R=P
PGC 8561		Galaxy E
Sep 12 2007 31"	17mmT4	VF,VS,PATCH,NND,CAN BARELY SEP,F TRI GLOW,HICKSON 17,POOR GRP,R=P
PGC 8964		Galaxy Sd
Dec 12 2012 36"	17mmT4	VF,VS,EDGE ON,PA~160,UB,NND,SLT TAPERED,SLT CNTR BULGE,R=P
PGC 9076		Galaxy
Sep 23 2003 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,F* OFF TIP,R=F
PGC 9086		Galaxy SBdm
Sep 23 2003 31"	17mmT4	EDIF,EF,VS,PATCH,UB,R=P
PGC 9102		Galaxy Sb
Sep 23 2003 31"	17mmT4	PF,MS,EL,PATCH,UB,PAIRS=904/903,R=F
PGC 9220		Galaxy Sd
Sep 23 2003 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIRS=915/916,R=F
PGC 9233		Galaxy SB(r)b
Sep 23 2003 31"	17mmT4	MF,PS,OVAL,PATCH,UB,R=F

Aries - The Ram

PGC 9313		Galaxy SB?
Sep 25 2003 31"	17mmT4	DIF,VF,MS,EL,PATCH,UB,NND,PAIR=924,R=F
PGC 9475		Galaxy S?
Sep 25 2003 31"	17mmT4	VDIF,PF,VL,EDGE ON,UB,NND,R=G
PGC 9638		Galaxy Scd:
Feb 09 2013 36"	17mmT4	VF,VS,EDGE ON,UB,PA~100,R=P
PGC 9764		Galaxy S
Oct 30 2005 31"	17mmT4	VF,PS,PATCH,UB,NND,CLOSE COMP=IC1817,R=F
PGC 9888		Galaxy Scd:
Nov 17 2012 36"	17mmT4	PF,ML,EDGE ON,UB,NND,F* IN EDGE OF GLXY,PA~140,THICK SLIVER,R=FG
PGC 10042		Galaxy S?
Oct 25 2006 31"	17mmT4	EF,VS,PATCH,UB,AV FIRST THEN HOLDS,R=P
PGC 10043		Galaxy S?
Oct 25 2006 31"	17mmT4	VF,VS,PATCH,UB,AV,ALM *,BTR OF THE 3 ON TOP OF EACH OTHER,R=P
Oct 20 2006 31"	17mmT4	VDIF,EF,VS,PATCH,UB,NND,AV,HICKSON 18C,OTHERS PRESENT,HARD TO SEP,R=P
PGC 10044		Galaxy IB(s)m pec
Oct 25 2006 31"	17mmT4	VDIF,EF,MS,PATCH,UB,NND,AV,F GLOW BET 18C AND18A,NO DEF DET,R=P
PGC 10046		Galaxy SB0/a: sp
Oct 25 2006 31"	17mmT4	PF,MS,EL,FLNUC,BTEST MEMBER OF HICKSON 18,R=F
Oct 20 2006 31"	17mmT4	MF,MS,EL,BLNUC,BTEST MEMBER OF HICKSON 18,OTHERS PRESENT,R=F
PGC 10254		Galaxy Sc
Sep 25 2003 31"	17mmT4	MF,PS,EL,PATCH,FSNUC,PAIR=1054,R=F
PGC 10364		Galaxy S
Oct 12 2007 31"	17mmT4	EF,ES,AV,HICKSON 20,R=P
PGC 10365		Galaxy L
Oct 12 2007 31"	17mmT4	EF,VS,OVAL,PATCH,UB,NND,HICKSON 20,R=P
PGC 10366		Galaxy L
Oct 12 2007 31"	17mmT4	EF,VS,OVAL,PATCH,UB,NND,HICKSON 20,R=P
PGC 10367		Galaxy S
Oct 12 2007 31"	17mmT4	EEF,ES,CAN ONLY SUSPECT,HICKSON 20,18TH MAG,R=P
PGC 10368		Galaxy S
Oct 12 2007 31"	17mmT4	NO FIND,DID NOT EVEN SUSPECT OBJ,HICKSON 20,R=P

Aries - The Ram

PGC 10369		Galaxy S
Oct 12 2007 31"	17mmT4	EEF,ES,CAN ONLY SUSPECT,HICKSON 20,18TH MAG,R=P
PGC 10456		Galaxy Sc
Sep 25 2003 31"	17mmT4	DIF,PF,MS,PATCH,UB,NND,R=F
PGC 10570		Galaxy L
Sep 22 2022 12.5"	9mmT6	EF,ES,PATCH,UB,AV COMES AND GOES,PAIR=DODZ 1,15.5 MAG!!,PERHAPS THE FTEST GAL OBS WI/12.5",R=P
PGC 10575		Galaxy SAdm:
Oct 30 2005 31"	17mmT4	VDIF,EF,MS,PATCH,AV,SUSP,R=P
PGC 10755		Galaxy S
Sep 25 2003 31"	17mmT4	VDIF,VF,MS,PATCH,UB,NND,PAIR=10757,R=P
PGC 10757		Galaxy compact
Sep 25 2003 31"	17mmT4	PF,PS,FSNUC,PAIR=10755,R=F
PGC 10821		Galaxy E
Sep 25 2003 31"	17mmT4	PF,VS,OVAL,PATCH,*NUC,INTRACT WITH NGC1117,R=F
PGC 10907		Galaxy Im
Sep 25 2003 31"	17mmT4	VDIF,VF,PS,EL,UB,NND,PAIR=1134,R=P
PGC 10917		Galaxy SB
Sep 25 2003 31"	17mmT4	DIF,MF,PL,PATCH,UB,NND,R=F
PGC 11069		Galaxy
Sep 17 2009 31"	17mmT4	PF,PS,EL,FSNUC,AGC 397,R=F
PGC 11083		Galaxy Sa
Sep 17 2009 31"	17mmT4	MF,MS,SNUC,AGC 397,R=F
PGC 11105		Galaxy Compact
Sep 17 2009 31"	17mmT4	MF,MS,OVAL,FSNUC,AGC 397,R=F
PGC 11106		Galaxy
Sep 17 2009 31"	17mmT4	MF,MS,OVAL,FLNUC,AGC 397,R=F
PGC 11133		Galaxy Sb
Sep 17 2009 31"	17mmT4	VF,PS,PATCH,UB,NND,TOOK AV A WHILE TO HOLE,AGC 397,R=P
PGC 11167		Galaxy
Sep 17 2009 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,F* OFF SIDE,R=F
PGC 11169		Galaxy S

Aries - The Ram

PGC 11169

Galaxy S

Sep 17 2009 31" 17mmT4 VF,PS,PATCH,UB,NND,AGC 397,R=F
Sep 17 2009 31" 17mmT4 VF,MS,OVAL,UB,NND,AV HOLDS,AGC 397,R=P

PGC 11185

Galaxy E/S0

Sep 17 2009 31" 17mmT4 VF,MS,OVAL,UB,NND,AV HOLDS,AGC 397,R=P
Sep 17 2009 31" 17mmT4 MF,PS,OVAL,UB,NND,AGC 397,R=F

PGC 11201

Galaxy SB

Sep 17 2009 31" 17mmT4 VF,PS,PATCH,AV HOLDS,NND,AGC 397,R=P

Auriga - The Charioteer

IC	405		Brт Nebula E	
	Oct 18 2023	12.5"	31mmT5	(Lb 2),DIF,VF,EEL,SCAN AREA,NE PART HAS F NEB PATCHES DET,V RICH * FOV,DET CHANGE IN BG BRIGHTNESS,(2:31am),R=F
	Dec 03 1980	12.5"	32mm	EL AREA,VOID AREA,MOVE TO N RIM,HINT OF B AREAS
IC	406		Open Cluster	EF,NEB OR ES NEB CL
	Dec 15 2004	12.5"	12mmT4	PF,MS,F GLOW,SOME CL DET,LOC GOOD,R=P
IC	410		Brт Nebula E	DIF, MANY ST INV
	Nov 13 2020	36"	17mmT4	(Lb 2),DIF,MF,EL,N1893 IN NEB,W/OIII,SVRL FOV,PATCHES,SOME BTR THAN OTHERS,DARK AREAS,SOME EDGES GRAD FADE,N1893 IN DARK AREA,(2:42am),R=FG
	Feb 17 2004	31"	17mmT4	DIF,VF,EL,PATCH,OIII,SVRL FOV'S,BEST TO SCAN AREA,PATCH AND DARK AREAS,R=G
IC	417		Brт Nebula E	VL,DIF,*6 INV
	Oct 18 2023	12.5"	17mmT4	(Lb 2),DIF,EF,PS,VF NEB DET ARND Stock 8 OC,V RICH * FOV,CHANGE IN BG BRIGHTNESS DET,(2:58am),R=P
	Feb 17 2004	31"	17mmT4	DIF,VF,EL,OIII FILTER,SVRL FOV'S,NEB DET BY B*,SCAN AREA,PATCHY AREAS DET,R=G
IC	2120		Planetary Neb Planetary?	5 18.2 +37 36
	Dec 15 2004	12.5"	12mmT4	EDIF,EF,PS,W/OIII,LOC V GOOD,SUSP PATCH AT BEST,R=P
	Dec 15 2004	12.5"	12mmT4	EDIF,EF,VS,DET WITHOUT OIII,VF* WITH F GLOW DET,R=P
IC	2149		Planetary Neb 3b+2	
	Dec 28 2008	31"	17mmT4	PB,MS,OVAL,B CNTR*,HISB,B BLUE,W/OIII,NO CNTR*,NEB ELR=G
	Feb 17 2004	31"	17mmT4	DIF,PB,MS,EL-OVAL,MHISB,OIII,NO CNTR *,UB CNTR,F THIN HALO,R=E
IC	2168		Open Cluster	CL,S,F NEB
	Mar 05 2021	36"	31mmT5	(Lb 2),DIF,MB,MS,W/OIII,HALO NEB SUR BLUEISH *,SOME GRAN DET,4 OTHERS CLOSE BY,(9:32pm),R=F
	Dec 15 2004	12.5"	12mmT4	FEW SC *S,NO CL DET,LOC GOOD,DSS,R=P
IC	2175		Galaxy SBc:	
	Oct 25 2006	31"	17mmT4	VF,MS,EL,PATCH,UB,NND,B* CLOSE BY,R=F
IC	2190		Galaxy SBbc:	
	Feb 17 2004	31"	17mmT4	MF,ML,OVAL-R,FLNUC,SBM,MHISB CNTR,R=G
MAC	0655+4510		Galaxy	
	Feb 17 2004	31"	17mmT4	VDIF,EF,VS,PATCH,R=P
MAC	0656+4517		Galaxy	
	Feb 17 2004	31"	17mmT4	DIF,VF,VS,PATCH,NND,R=P
MAC	0656+4522		Galaxy	
	Feb 17 2004	31"	17mmT4	VDIF,VF,VS,PATCH,R=P
NGC	1664		H59-8	Open Cluster III 1 p
	Feb 09 2013	36"	31mmT5	EB,EL,~100*S SC VAR MAG'S,M CL,FILLS FOV,R=G
	Aug 21 1982	12.5"	24mm	MB,PL,B* OUTSIDE CL,*S SAME MAG,~50*S,SC,NICE IN 24MM

Auriga - The Charioteer

NGC 1664		H59-8	Open Cluster III 1 p	CL,LRI,LC,PL
Apr 16 1980 6"	24mm	V DISPERSE,FILLS FOV,SMWHT DET		
NGC 1724			Open Cluster asterism	CL,VS,(ST+NEB)
Dec 20 2003 31"	17mmT4	VB,MS,3 * IN TRIANGLE,*S SAME MAG,R=P		
NGC 1778		H61-8	Open Cluster III 2 p	CL,PC,LRI,IF,ST L
Sep 06 2002 12.5"	24mm	PB,ML,~20*S,LOOSELY SC,*S SIM MAG		
NGC 1790			Open Cluster asterism?	CL,GROUP OF8OR9*10
Dec 20 2003 31"	25mm	VB,EL,~10 *S SAME MAG,LOOSELY SC,R=P		
NGC 1798			Open Cluster I 1 m	S,CL OR CL+NEB
Nov 13 2020 36"	17mmT4	(I 1 r),MB,ML,~50*S SAME MAG,RSLV,NICE FOV,CL CIR IN SHAPE,(2:20am),R=F		
Dec 20 2003 31"	25mm	MB,VL,~50 *S VAR MAG,NICE IN 25MM,F BG *S,R=G		
NGC 1857		H33-7	Open Cluster I 3 m	CL,PRI,PC,ST7...
Dec 03 1980 12.5"	24mm	* APROX 7TH MAG IN CL		
NGC 1883		H34-7	Open Cluster II 1 m	CL,VF,PRI,PC,IF
Sep 06 2002 12.5"	9mmT6	PF,PS,~20*S SAME MAG,V SHAPE,1 B* TO SIDE OF CL,TAKES POWER WELL		
NGC 1893			Open Cluster II 3 r n	CL,L,RI,LC
Nov 13 2020 36"	55mm	(II 3 m),EB,EL,NICE FOV,INBEDDED IN IC410,~40*S,NICE FOV,LOC IN DARK AREA OF IC410,(2:40am),R=FG		
Feb 17 2004 31"	17mmT4	VB,EL,~50*S,OVERFLOWS FOV,VAR MAG,LOOSELY SC,R=F		
Dec 20 2003 31"	25mm	VB,EL,~70 *S VAR MAG,LOOSELY SC,NEBULOUSITY DET,R=G		
NGC 1896		H4-8	Open Cluster cluster?	CL,VL,RI,VLC,ST9..12
Nov 11 2020 36"	55mm	(III 1 p),VB,VL,~20*S,LOOSELY SC,LTL CL,*S SIM MAG,(2:15am),R=F		
NGC 1907		H39-7	Open Cluster I 1 m n	CL,PRI,PC,R,ST9...12
Mar 27 1981 12.5"	24mm			
NGC 1912	M38		Open Cluster II 2 r	CL,B,VL,VRI,IF,STL\$\$
Nov 13 2020 36"	55mm	(II 2 r),EB,EEL,FILLS FOV,100*S SMWHT SAME MAG,(2:47am),R=G		
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984 10"	20mm	SAME		
Mar 27 1982 12.5"	24mm	MB,VL,100*S ~SAME MAG,WELL PLACED IN 24MM		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
Dec 03 1980 12.5"	24mm			
Oct 29 1980 8"	24mm			
Sep 09 1980 12.5"	24mm			
Aug 22 1980 12.5"	24mm			
NGC 1931		H261-1	Open Cluster I 3 p n	VB,L,R,B***IN M
Aug 21 1982 12.5"	16mm	MF,PS,3F*S IN CNTER,GBM,OVAL,B CNTR RGN		

Auriga - The Charioteer

NGC 1960	M36	Open Cluster I 3 r	CL,B,VL,VRI,CL,*9.11
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 02 1984 10"	20mm	SAME	
Mar 27 1982 12.5"	24mm	VB,ML,50*S DISPURSED,M38 BTR	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Dec 03 1980 12.5"	24mm		
Oct 29 1980 8"	24mm		
Sep 09 1980 12.5"	24mm		
Aug 22 1980 12.5"	24mm		
NGC 1985	H865-3	Brn Nebula R	CF,S,R,PSBM
Dec 20 2003 31"	25mm	MB,MS,B CNTR *,SMWHT MHISB NEBULOUSITY,PATCHY,R=E	
NGC 2099	M37	Open Cluster I 2 r	CL,RI,PCM,ST L\$S
Mar 08 2013 36"	17mmT4	MESSIER MARATHON 2013	
Feb 09 2013 36"	31mmT5	EB,EL,~200*S WELL PLACED,SIM MAG'S,M CL,R=GE	
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 02 1984 10"	20mm	SAME	
Mar 27 1982 12.5"	24mm	MB,PL,BEAUTIFUL,WELL PLACED IN 24MM,1B* IN CNTR,* SAME MAG	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Dec 03 1980 12.5"	24mm		
Oct 29 1980 8"	24mm		
Sep 09 1980 12.5"	24mm		
Aug 22 1980 12.5"	24mm		
Apr 16 1980 6"	24mm		
NGC 2126	H68-8	Open Cluster III 2 m	CL,NOT RI,*7M NORTH
Aug 21 1982 12.5"	24mm	MF,PL,B* IN CL,TRI SHAPE,~20-30*S,NICE IN 24MM	
NGC 2165		Open Cluster sparse	CL,PL,POOR,ST11
Dec 20 2003 31"	25mm	MB,VL,~12 *S LOOSELY SC,R=F	
NGC 2192	H57-7	Open Cluster II 2 m	CL,CL,C,IF,ST VS
Oct 20 2006 31"	17mmT4	VB,VL,~50*S SIM MAG,FEW BTR *S,WELL PLACED,CL GOOD,R=G	
NGC 2208		Galaxy S0:	PF,PS,LE
Dec 20 2003 31"	25mm	PB,ML,EL,BLNUC,HISB CNTR,R=G	
NGC 2240	H49-8	Open Cluster	CL,PL,P,VLC,*7,10.15
Feb 17 2004 31"	17mmT4	VB,VL,~15 *S LOOSE AND SC,VAR MAG,R=P	
NGC 2242		Planetary Neb	EEF,VS,R,F*NF
Feb 17 2004 31"	17mmT4	DIF,MF,VS,OVAL,PATCH,ONE SIDE BTR THAN OTHER,APPEARS R AT TIMES,OIII,R=G	
NGC 2281	H71-8	Open Cluster I 3 m	CL,PRI,VLC,ST PL
Oct 16 1982 12.5"	24mm	MB,VL,~30*S,STANDS OUT WELL,HOUR GLASS SHAPE,LOOSE	

Auriga - The Charioteer

NGC 2303		Galaxy E	EF,VS,R,SEV ST NR
Feb 17 2004 31"	17mmT4	MF,MS,R,FSNUC,SBM,SHISB IN CNTR,R=F	
NGC 2387		H820-2	Galaxy
Feb 17 2004 31"	17mmT4	VF,MS,PATCH,NND,R=P	PB,S,STELLAR
PAL 2		Globular	
Feb 21 2020 36"	17mmT4	(Class ~X),DIF,PF,MS,R,PATCH,UB,NND,SLT BTR THAN PAL 1,R=F	
Dec 04 2004 31"	17mmT4	VF,VL,R,PATCH,R=P	
PGC 19199		Galaxy S	
Feb 17 2004 31"	17mmT4	VDIF,VF,VS,EL-OVAL,VFSNUC,HINT OF BM,R=P	
PGC 19215		Galaxy Sab	
Feb 17 2004 31"	17mmT4	VDIF,VF,VS,OVAL,FSNUC,KEEP B* OUT OF FOV,R=P	
PGC 19829		Galaxy S0	
Feb 17 2004 31"	17mmT4	PF,MS,EL,PATCH,SMWHT BM,F* ON EDGE,R=F	
PGC 19889		Galaxy S	
Feb 17 2004 31"	17mmT4	VDIF,EF,VS,PATCH,AV COMES AND GOES,LOG GOOD,R=P	
PGC 21166		Galaxy S	
Feb 17 2004 31"	17mmT4	VF,VS,PATCH,UB,R=P	
SH2 235		Brт Nebula E	
Oct 18 2023 36"	17mmT4	(Lb 2),DIF,EF,VS,JUST A HINT OF NEB AM A FEW F*S,RICH * FOV,(3:11am),R=P	
SH2 237		Brт Nebula E+R	
Oct 18 2023 12.5"	17mmT4	(Lb 1),DIF,MB,ML,B CNTR PATCH WITH F NEB PROCEEDING FROM CNTR,BLUEISH/GREEN NEB,IN NGC 1931 OC,(2:46am),R=G	
STOCK8		Open Cluster I	
Feb 17 2004 31"	17mmT4	VB,ML,~15*S VAR MAG,LOOSELY SC,R=F	

Bootes - The Herdsman

IC 905		Galaxy C
May 14 2010 31"	17mmT4	PF,PS,OVA,FLNUC,R=F
IC 906		Galaxy S
May 14 2010 31"	17mmT4	PF,PS,OVAL,UB,NND,R=F
IC 910		Galaxy S?
May 14 2010 31"	17mmT4	MF,PS,OVAL,FLNUC,CLOSE PAIR=MAC,CAN SEP,PAIRS=IC'S,R=F
IC 911		Galaxy Double System
May 14 2010 31"	17mmT4	PF,PS,OVAL,FSNUC,PAIRS=IC'S,R=F
IC 912		Galaxy S
May 14 2010 31"	17mmT4	MF,PS,OVAL,FSNUC,PAIRS=IC'S,R=F
IC 913		Galaxy SBb
May 14 2010 31"	17mmT4	DIF,MF,MS,OVAL,UB,NND,PAIRS=IC'S,R=F
IC 914		Galaxy S
May 14 2010 31"	17mmT4	DIF,MF,MS,OVAL,UB,NND,PAIRS=IC'S,R=F
IC 916		Galaxy C
May 14 2010 31"	17mmT4	PF,PS,OVAL-R,FSNUC,GBM,R=F
IC 982		Galaxy SA0+
Mar 26 2006 31"	17mmT4	MB,ML,OVAL,BLNUC,BM,MHISB CNTR,OTHER PAIRS/IC983,R=G
IC 983		Galaxy SB(r)bc
Mar 26 2006 31"	17mmT4	MB,PL,EL-OVAL,BLNUC,EL NUC,FARMS SUSP,BM,MHISB CNTR,OTHER PAIRS,R=G
IC 987		Galaxy S
May 14 2010 31"	17mmT4	PF,PS,EL-EDGE ON,UB,R=F
IC 1027		Galaxy S
Apr 14 2004 31"	17mmT4	MF,PS,OVAL,FSNUC,PAIR=MAC,R=F
IC 1029		Galaxy SAb: sp
Mar 09 2021 36"	17mmT4	PB,VL,EL-EDGE ON,BSNUC,SHISB,VMBM,MHISB CNTR,BEST IC OBJ TO DATE,R=G
IC 1056		Galaxy Sb
Apr 14 2004 31"	17mmT4	PF,ML,PATCH,UB,NND,R=F
IC 1069		Galaxy S0
Apr 14 2004 31"	17mmT4	MF,PS,OVAL,FLNUC,R=F
IC 1074		Galaxy S
Apr 14 2004 31"	17mmT4	DIF,MF,MS,EL,PATCH,UB,NND,R=F

Bootes - The Herdsman

IC	1111		Galaxy Sb
	Apr 23 2003	12.5" 9mmT6	VDIF,VF,MS,PATCH,UB,R=P
IC	4307		Galaxy S0?
	May 14 2010	31" 17mmT4	MF,PS,R,BSNUC,GBM,R=F
IC	4313		Galaxy C
	May 14 2010	31" 17mmT4	EF,ES,PATCH,AV ONLY ONCE,SUSP,PAIRS=OTHERS,R=P
IC	4314		Galaxy S?
	May 14 2010	31" 17mmT4	PF,PS,LNUC,BM,SHISB CNTR,PAIRS=OTHERS,R=F
IC	4322		Galaxy SA(r)0-:
	May 14 2010	31" 17mmT4	PF,PS,OVA,FSNUC,R=F
IC	4343		Galaxy E/S0
	Apr 09 2008	31" 17mmT4	PB,MS,OVAL-R=F
IC	4344		Galaxy SB
	Apr 09 2008	31" 17mmT4	MB,ML,OVAL,FLNUC,BM,PAIR=IC4345,R=G
IC	4345		Galaxy E?
	Apr 09 2008	31" 17mmT4	MB,ML,R,BLNUC,MHISB CNTR,PAIR=IC4344,R=G
IC	4346		Galaxy S
	Apr 09 2008	31" 17mmT4	VF,PS,OVAL,UB,NND,PAIRS=IC4349/MAC,R=P
IC	4349		Galaxy S
	Apr 09 2008	31" 17mmT4	VF,PS,OVAL,UB,NND,PAIRS=IC4346/MAC,R=P
IC	4381		Galaxy Scd:
	May 14 2010	31" 17mmT4	MF,MS,OVAL,FLNUC,MHISB,PAIRS=PGC'S/IC4382,R=F
	Apr 09 2008	31" 17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIRS=IC4382/PGC'S,R=F
IC	4382		Galaxy S?
	May 14 2010	31" 17mmT4	PF,PS,EL,BSNUC,PAIRS=PGC'S/IC4381,R=F
	Apr 09 2008	31" 17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIRS=IC4381/PGC'S,R=F
IC	4383		Galaxy Sc-Irr
	May 14 2010	31" 17mmT4	EF,VS,EL,NND,TOOK AV A WHILE TO LOCATE,COMES AND GOES,HELD BRIEFLY,PAIRS=5504//PGC,R=P
IC	4384		Galaxy S0/a
	May 14 2010	31" 17mmT4	MF,MS,OVAL,BLNUC,GBM,R=F
IC	4461		Galaxy Double System
	Mar 29 2006	31" 17mmT4	PF,PS,EL,VFSNUC,PAIRS=IC4462/PGC52120,R=F

Bootes - The Herdsman

IC 4462		Galaxy L
Mar 29 2006 31"	17mmT4	VF,VS,EL,VFSNUC,PAIRS=IC4461/PGC52120,R=P
IC 4483		Galaxy Sb
Mar 17 2018 36"	17mmT4	DIF,MF,MS,EL,UB,NND,R=F
IC 4526		Galaxy S
Mar 29 2006 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,PAIRS=5829/PGC53720,R=F
IC 4542		Galaxy S0/a
May 14 2010 31"	17mmT4	MF,PS,OVAL,BSNUC,R=F
IC 4542B		Galaxy S
May 14 2010 31"	17mmT4	EF,VS,EL-EDGE ON,NND,AV FIRST THEN HOLDS,R=P
IC 4563		Galaxy S
Mar 21 2020 36"	17mmT4	MB,MS,OVAL,BSNUC,SHISB,PAIRS=5966/MAC,NICE FOV WITH **S,R=FG
MAC 1337+1603		Galaxy
May 14 2010 31"	17mmT4	VF,VS,PATCH,NND,PAIR=5249,R=P
MAC 1338+2645		Galaxy
May 14 2010 31"	17mmT4	PF,VS,FSNUC,PAIRS=OTHERS,R=F
MAC 1341+2313		Galaxy
May 14 2010 31"	17mmT4	EF,ES,PATCH,AV ONLY ONCE,SUSP,PAIRS=IC'S/MAC,R=P
MAC 1341+2315		Galaxy
May 14 2010 31"	17mmT4	EF,VS,PATCH,AV FIRST,TAKES A WHILE,PAIRS=IC'S/MAC,R=P
MAC 1341+2316		Galaxy
May 14 2010 31"	17mmT4	VF,VS,PATCH,NND,CLOSE COMP=IC910,CAN SEP,PAIRS=IC'S,R=P
MAC 1341+2706		Galaxy
May 14 2010 31"	17mmT4	VF,VS,PATCH,UB,R=P
MAC 1342+2418		Galaxy
May 14 2010 31"	17mmT4	EF,VS,PATCH,TOOK AV A WHILE THEN HOLDS,R=P
MAC 1355+2504		Galaxy
Apr 09 2008 31"	17mmT4	EF,ES,LOC GOOD,TOO CLOSE TO PGC49502,CANNOT DET,SUSP,R=P
MAC 1355+2506B		Galaxy
Apr 09 2008 31"	17mmT4	EF,VS,PATCH,TOOK A WHILE TO DETECT,AV,R=P
MAC 1355+2509		Galaxy
Apr 09 2008 31"	17mmT4	VF,PS,OVAL,UBN,NND,PAIRS=IC4346/IC4349,R=P

Bootes - The Herdsman

MAC 1402+0918		Galaxy
Mar 16 2010 31"	17mmT4	EF,ES,PATCH,SUSP,AV ONLY ONCE,V NICE GLXYAXY GRP,R=P
MAC 1403+0931		Galaxy
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,NND,TOOK AV A WHILE THEN HOLDS,PAIRS=NGC'S,R=P
MAC 1403+0933		Galaxy
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,NND,AV FIRST,PAIRS=NGC'S,R=P
MAC 1406+0921		Galaxy
May 05 2021 36"	17mmT4	PF,VS,EL-EDGE ON,UB,NND,OFF EDGE OF N5463,R=P
MAC 1409+1731		Galaxy
Mar 26 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=5490/OTHERS,R=P
MAC 1409+4902A		Galaxy
Mar 26 2006 31"	17mmT4	EF,VS,PATCH,UB,NND,PAIR=PGC50509/MAC,R=P
MAC 1409+4903		Galaxy
Mar 26 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=PGC50509/MAC,R=P
MAC 1411+1910		Galaxy
May 14 2010 31"	17mmT4	VF,VS,UB,TOUCH=PGC50645,CAN JUST BARELY SEP,R=P
MAC 1411+2545		Galaxy
Apr 09 2008 31"	17mmT4	EF,VS,PATCH,AV,PAIR=5498,R=P
MAC 1412+3917		Galaxy
May 12 2021 36"	17mmT4	EF,ES,PATCH,NND,AV HOLDS,PAIRS=N5515/MAC,R=P
MAC 1412+3918		Galaxy
May 12 2021 36"	17mmT4	EF,ES,NND,AV HOLDS,PAIRS=N5515/MAC,R=P
MAC 1415+3624A		Galaxy
Mar 26 2006 31"	17mmT4	EF,VS,PATCH,NND,AV,PAIRS=PGC50944/MAC,R=P
MAC 1415+3624B		Galaxy
Mar 26 2006 31"	17mmT4	VF,VS,PATCH,NND,PAIR=PGC50944/MAC,R=P
MAC 1416+1047B		Galaxy
May 05 2021 36"	17mmT4	VF,ES,ALM *,CLOSE COMP=N5532,R=P
MAC 1418+2455		Galaxy
May 12 2021 36"	17mmT4	VF,VS,OVAL,NND,PAIRS=PGC51121/PGC51144,R=P
MAC 1424+3624		Galaxy
May 12 2021 36"	17mmT4	VF,PS,OVAL,BLNUC,ONE OF THE BTR MAC'S,PAIRS=N5616/PGC51411,R=F

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MAC 1427+3311		Galaxy
May 12 2021 36"	17mmT4	PF,VS,OVAL,F* OFF EDGE,R=PF
MAC 1429+5349		Galaxy
Apr 14 2004 31"	17mmT4	VF,VS,OVAL,VFSNUC,PAIR=IC1027,R=F
MAC 1437+3030		Galaxy
Mar 26 2006 31"	17mmT4	VF,VS,PATCH,NND,NOT THE COMP TO PGC52283,R=P
MAC 1446+1135		Galaxy
Mar 16 2010 31"	17mmT4	EF,ES,*NUC,ALM *,VF* V CLOSE BY,PAIRS=PGC'S,R=P
MAC 1447+1849		Galaxy
Mar 17 2010 31"	17mmT4	VF,VS,PATCH,PAIRS=PGC52803/MAC,R=P
Mar 29 2006 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,VF* OFF EDGE,PAIRS=PGC52803/MAC,R=P
MAC 1447+1851		Galaxy
Mar 17 2010 31"	17mmT4	PF,VS,OVAL,UB,NND,PAIRS=PGC52803/MAC,R=F
Mar 29 2006 31"	17mmT4	PF,VS,OVAL,VFSNUC,* CLOSE BY,COMP=PGC52803,PAIR=MAC,R=F
MAC 1455+2430		Galaxy
Mar 29 2006 31"	17mmT4	EF,VS,PATCH,NND,PAIRS=PGC'S,R=P
MAC 1456+2436		Galaxy
Mar 29 2006 31"	17mmT4	PF,VS,PATCH,UB,NND,PAIR=MAC,R=F
MAC 1456+2438		Galaxy
Mar 29 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=MAC,R=P
MAC 1456+2442		Galaxy
Mar 29 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,CLOSE COMP=MAC,R=P
MAC 1456+2442A		Galaxy
Mar 29 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,CLOSE COMP=MAC,R=P
MAC 1456+2444		Galaxy
Mar 29 2006 31"	17mmT4	PF,PS,OVAL,VFSNUC,R=F
MAC 1457+2441		Galaxy
Mar 29 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=PGC'S,R=F
MAC 1518+4152		Galaxy
May 14 2010 31"	17mmT4	EF,ES,ON TOP OF 5914B,CANNOT DETECT,SUSP,R=P
MAC 1535+3948		Galaxy
Mar 21 2020 36"	17mmT4	EF,VS,PATCH,CLOSE TO B*, COMES AND GOES,PAIRS=5966/IC4563,R=P

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NGC 5239 May 14 2010 31"	17mmT4	H101-3 PF,MS,OVAL,NND,PATCHY,PATCHY AREAS,ARMS DET,R=F	Galaxy SB(rs)bc	VF,PL,R,ER
NGC 5248 May 06 1981 12.5"	24mm	H34-1 VB,VL,BNUC,DIM HALO	Galaxy SAB(rs)bc	B,L,E150,PSBMRN
NGC 5249 May 14 2010 31"	17mmT4	H72-3 MF,PS,OVAL,BSNUC,PAIR=MAC,R=F	Galaxy S0?	VF,S,R,BM
NGC 5251 Feb 21 2020 36" May 14 2010 31"	17mmT4 17mmT4	H369-3 MF,MS,EL,PATCH,UB,NND,R=F,TIME 3:40AM MF,PS,OVAL-R,FSNUC,SHISB CNTR,R=F	Galaxy S?	VF,S,VLE
NGC 5293 Mar 07 2021 36"	17mmT4	H6-5 PF,ML,OVAL,UB,NND,VF* OFF SIDE CLOSE,R=F	Galaxy SA(r)c	EF,VL,RESOLVABLE
NGC 5416 May 05 2021 36"	17mmT4	H56-3 MF,ML,OVAL-R,UB,NND,PATCHY,SHISB,R=FG	Galaxy Scd:	EF,VS,E,R
NGC 5417 Apr 12 2023 36" May 05 2021 36"	17mmT4 17mmT4	H11-3 MB,MS,EL,LBNUC,MHISB MID,R=FG MB,MS,EL,BSNUC,GMBM,MHISB CNTR,R=FG	Galaxy Sa	CF,S,R,PSBM,*P
NGC 5418 Apr 12 2023 36"	17mmT4	Galaxy SB? MF,MS,EL-OVAL,SFNUC,R=F		VF,R,BM
NGC 5423 Mar 16 2010 31"	17mmT4	Galaxy S0-: MB,MS,OVAL,BLNUC,V NICE GLXYAXY GRP,R=G		VF,R,*IN CENTRE
NGC 5424 Mar 16 2010 31"	17mmT4	Galaxy S0 MF,MS,OVAL,BLNUC,MHISB CNTR,V NICE GLXYAXY GRP,R=G		VF,R,*IN CENTRE
NGC 5431 Mar 16 2010 31"	17mmT4	Galaxy S? MB,MS,EL,UB,NND,IRR IN SHAPE,V NICE GLXYAXY GRP,R=F		VF
NGC 5434 Mar 16 2010 31"	17mmT4	Galaxy SAc MF,ML,OVAL,PATCHY,NND,CLOSE COMP=PGC50087,R=F		VF,L
NGC 5436 Mar 16 2010 31"	17mmT4	Galaxy S0/a MF,PS,OVAL,FLNUC,BM,SHISB CNTR,PAIRS=NGC'S,R=F		3VF,LINE,2'-3'DIST
NGC 5437 Mar 16 2010 31"	17mmT4	Galaxy Sb MF,PS,OVAL,FLNUC,BM,SHISB CNTR,PAIRS=NGC'S,R=F		3VF,N ONE BRIGHTEST
NGC 5438 Mar 16 2010 31"	17mmT4	H57-3 MF,PS,OVAL,FLNUC,BM,SHISB CNTR,PAIRS=NGC'S,R=F	Galaxy E/S0	3VF,NF*8.6

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NGC 5463		H58-3	Galaxy S?	EF,S,LE
May 05 2021 36"	17mmT4	MB,MS,EL,BLNUC,HISB CNTR,CIGAR SHAPE,MAC OFF EDGE,R=FG		
NGC 5466		H9-6	Globular XII	CL,L,VRI,VMC,ST11...
Apr 11 2015 36"	17mmT4	(Class XI),MB,ML,B'S LOOSELY SC,F SOF BG SUR NUC AREA,R=G		
May 06 1981 12.5"	16mm	VB,EL		
Jul 14 1980 12.5"	24mm			
NGC 5469			Galaxy	VF,PS,R
May 05 2021 36"	17mmT4	EF,ES,UB,NND,AV COMES AND GOES,R=P		
NGC 5481		H693-2	Galaxy E+	F,VS,SMBM,STELL,SF-2
Mar 06 2003 12.5"	9mmT6	DIF,MB,ML,R,PATCH,*NUC,PAIR/5480,R=F		
NGC 5482		H59-3	Galaxy S0	EF,S
May 05 2021 36"	17mmT4	PB,MS,OVAL,BLNUC,SHISB,GMBM,HISB CNTR,R=FG		
NGC 5490		H32-3	Galaxy E	CF,CS,R,SBMF**
Mar 26 2006 31"	17mmT4	PB,ML,OVAL,BLNUC,HISB CNTR,GMBM,PAIRS=IC982/IC983/OTHERS,R=G		
NGC 5490C			Galaxy SB(s)bc	
Mar 26 2006 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,PAIRS=IC983/IC982/OTHERS,R=F		
NGC 5492		H876-2	Galaxy Sb pec?	PB,VS,E
May 12 2021 36"	17mmT4	MB,ML,EL,BLNUC,TAPERED ENDS,MHISB CNTR,R=G		
NGC 5498			Galaxy S0-:	F,S,R,LBM,(R)
May 14 2010 31"	17mmT4	MF,MS,OVAL,BLNUC,GBM,R=F		
Apr 09 2008 31"	17mmT4	MF,PS,OVAL-R,BLNUC,SHISB CNTR,PAIR=MAC,R=F		
NGC 5500		H674-3	Galaxy E	CF,CS,IR
May 12 2021 36"	17mmT4	MB,ML,OVAL,LSNUC,MHISB CNTR,R=FG		
NGC 5504			Galaxy SAB(s)bc	VF,VLE,VLBM
May 14 2010 31"	17mmT4	MF,MS,OVAL,*NUC OR F* IN CNTR OF GLXY,PAIRS=PGC/IC4383,R=F		
NGC 5509			Galaxy E/S0	VF,S,R,STELLAR NUCL
May 12 2021 36"	17mmT4	MF,MS,OVAL,FLNUC,MUCH BTR IN CNTR,R=F		
NGC 5513		H877-2	Galaxy S0	PB,PL,IR
May 12 2021 36"	17mmT4	PB,PL,R,BLNUC,HISB CNTR,FACE ON,PAIR=PGC50761,R=G		
NGC 5515		H685-3	Galaxy Sab	VF,S,VLE
May 12 2021 36"	17mmT4	PB,MS,OVAL,BLNUC,MHISB,HOT NUC,HISB CNTR,VF* OFF NUC,PAIRS=MAC'S,R=G		
NGC 5519		H12-3	Galaxy Sa	VF,PL,*10P
May 05 2021 36"	17mmT4	MB,PS,OVAL,UB,NND,SHISB,F* ON EDGE,R=F		

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NGC 5520		H676-3	Galaxy Sb	F,S,LE,STELLAR
Jun 01 2003 12.5"	9mmT6	DIF,PF,PL,OVAL,PATCH,FNUC,SHISB,SNUC AREA,SBM,R=F		
Mar 06 2003 12.5"	9mmT6	MB,MS,EL,BNUC,BSNUC,SLT HISB,R=F		
NGC 5522		H644-3	Galaxy Sb	VF,VS,E
May 12 2021 36"	17mmT4	PB,PL,EL-OVAL,BLNUC,MHISB,L HISB CNTR RGN,TAPERED ENDS,2VF*S OFF ONE END,R=G		
NGC 5523		H134-3	Galaxy SA(s)cd:	F,PL,PME90,*10NP
May 06 1981 12.5"	24mm	DIF,VF,ML,EDGE ON,F HALO		
NGC 5524			Galaxy Spiral	VF
Mar 26 2006 31"	17mmT4	MB,MS,R,FSNUC,SHISB,SBM,R=F		
NGC 5527			Galaxy SB	EEF
Mar 26 2006 31"	17mmT4	EDIF,EF,MS,PATCH,NND,LOC GOOD,AV,SUSP,R=P		
NGC 5529		H414-3	Galaxy Sc: sp	CF,PL,VME110,VGVMBM
Mar 26 2006 31"	17mmT4	PB,VL,EDGE ON,UB,NND,L CNTR REG,SLT BULGE IN CNTR,PAIR=P50952,R=E		
NGC 5531			Galaxy S0	F,S,R,5532F10S
May 05 2021 36"	17mmT4	MB,MS,OVAL,FLNUC,SHISB,PAIR=N5532,R=F		
NGC 5532		H47-3	Galaxy S0	VF,VS,R,GBM,R
May 05 2021 36"	17mmT4	VB,ML,OVAL,BLNUC,MHISB,HISB CNTR,CLOSE COMP=MAC JUST OFF EDGE,PAIR=N5531,R=G		
NGC 5533		H418-2	Galaxy SA(rs)ab	PB,R,VSMBM,20R3*INV
May 06 1981 12.5"	24mm	DIF,VF,PL,F HALO		
NGC 5536		H731-3	Galaxy SBa	CF,VS,R,SP OF 2
May 12 2021 36"	17mmT4	PB,ML,EL,SVBNUC,HISB,HOST CORE,SUD MBM,R SNUC,PAIR=N5541,E PAIR,R=G		
NGC 5541		H732-3	Galaxy S?	CF,S,R,GBM,NF OF 2
May 12 2021 36"	17mmT4	VB,PL,OVAL,NND,HISB,PAIRS=N5536/PGC50984,E PAIR,R=G		
NGC 5542			Galaxy Sb	VF,VS
May 05 2021 36"	17mmT4	PF,MS,EL,UB,NND,PAIRS=NGC'S,R=F		
NGC 5543			Galaxy	EF,VS
May 05 2021 36"	17mmT4	PF,MS,OVAL,FLNUC,PAIRS=NGC'S,R=F		
NGC 5544		H419-2	Galaxy (R)SB(rs)0/a	F,PS,E80,DW/45 ORBIN
Mar 29 2006 31"	17mmT4	MF,MS,OVAL,FLNUC,VF* IN GLXY,INTRACT=5545,R=G		
NGC 5545			Galaxy SA(s)bc:	E,LBM,DW/44 OR BIN
Mar 29 2006 31"	17mmT4	MF,MS,EDGE ON,UB,NND,SHISB,INTRACT=5544,R=G		
NGC 5546		H551-3	Galaxy E	PB,CS,GBM

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NGC 5546		H551-3	Galaxy E	PB,CS,GBM
May 05 2021 36"	17mmT4	PB,ML,OAL,BLNUC,SHISB,PAIRS=NGC'S,R=FG		
NGC 5548		H194-2	Galaxy (R')SA(s)0/a	CF,PS,R,VSVMBM*
May 06 1981 12.5"	24mm	MF,ES,DNUC,ONLY CNTR PART OF GLXY SEEN		
NGC 5557		H99-1	Galaxy E1	CB,S,R,VSBM*
Mar 29 2006 31"	17mmT4	VB,PL,R,BLNUC,HISB,GMBM,VF* IN GLXY OUTSIDE NUC,SN? 15 MAG,R=E		
May 06 1981 12.5"	24mm	MB,ML,BNUC WITH DIM HALO		
NGC 5559		H347-3	Galaxy SBb	VF,S,VLE,BM
May 12 2021 36"	17mmT4	MB,PL,EL-EDGE ON,UB,NND,MHISB,VF* OFF SIDE,R=G		
NGC 5579		H415-3	Galaxy Sc	VF,CL,P OF 2
Mar 29 2006 31"	17mmT4	DIF,PF,VL,R,UB,NND,R=F		
NGC 5582		H754-2	Galaxy E	PB,PS,R,BMFN,*SP
Mar 29 2006 31"	17mmT4	PB,PL,R,BLNUC,HISB CNTR,GMBM,R=G		
NGC 5587		H110-3	Galaxy S0/a	F,CS,VLE,*8SF
Feb 22 2020 36"	17mmT4	MB,ML,EL-OVAL,PATCH,FLNUC,MHISB,R=FG		
NGC 5589		H416-3	Galaxy SBa	VF,S,R,NP OF 2
Mar 26 2006 31"	17mmT4	MB,ML,R,BSNUC,F HALO,SHISB CNTR,BM,PAIR=5590/PGC51285,R=F		
NGC 5590		H417-3	Galaxy S0	CF,S,R,BM*,SF OF 2
Mar 26 2006 31"	17mmT4	PB,ML,R,BLNUC,F HALO,SBM,HISB CNTR,MHISB,PAIR=5589/PGC51285,R=G		
NGC 5594		H135-3	Galaxy S	EF,VS,STELLAR
Feb 22 2020 36"	17mmT4	MF,MS,OVAL,FLNUC,R=P		
NGC 5596		H418-3	Galaxy S0	EF,S,R,STELLAR
Feb 22 2020 36"	17mmT4	MB,MS,OVAL,FLNUC,R=FG		
NGC 5598		H733-3	Galaxy S0	F,VS,R,BM
Feb 22 2020 36"	17mmT4	PB,ML,OVAL,BLNUC,MHISB,OTHERS IN FOV,R=G		
NGC 5600		H177-2	Galaxy Sc pec	PB,PS,GBM
May 06 1981 12.5"	24mm	DIF,MB,PS,NND,B HALO		
NGC 5601			Galaxy Sb	VF,BET5598\$5603
Feb 22 2020 36"	17mmT4	MB,MS,EL-OVAL,FSNUC,OTHERS IN FOV,R=F		
NGC 5602		H694-2	Galaxy Sa	PF,PS,LE,MBM
Jun 01 2003 12.5"	9mmT6	MF,MS,OVAL,FNUC,SHISB,SNUC,R=F		
NGC 5603		H734-3	Galaxy S0	CF,PS,R,GBM

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NGC 5603		H734-3	Galaxy S0	CF,PS,R,GBM
Feb 22 2020 36"	17mmT4	PB,ML,OVAL,BLNUC,MHISB,OTHER IN FOV,R=G		
NGC 5608		H673-2	Galaxy Im:	F,PL,LE,VGLBM
Feb 22 2020 36"	17mmT4	VF,PL,PATCH,UB,NND,R=PF		
NGC 5609			Galaxy	EEF
May 13 2021 36"	17mmT4	EF,EV,PATCH,NND,AV HOLDS,PAIRS=N5614/N5615/N5613,R=P		
Mar 29 2006 31"	17mmT4	VF,VS,R,PATCH,UB,NND,PAIRS=5613/5615/5614,~15,5 MAG,R=P		
NGC 5610		H136-3	Galaxy SB(s)ab	VF,S,PME0,*9F
May 12 2021 36"	17mmT4	PB,PL,EL-EDGE ON,NND,MHISB,TAPERED ENDS,R=G		
NGC 5613			Galaxy (R)SAB(r)0+	EF,PS,DIF,2'N OF5614
May 13 2021 36"	17mmT4	VF,VS,EL,UB,NND,PAIRS=N5614/N5615/N5609,R=PF		
Mar 29 2006 31"	17mmT4	MF,PS,OVAL,FSNUC,PAIRS=5609/5615/5614,R=F		
NGC 5614		H420-2	Galaxy SA(r)ab pec	PB,S,R,SMBM
May 13 2021 36"	17mmT4	VB,ML,R,BLNUC,HISB CNTR,GRAN HALO,INTRACT=N5615,CAN SEP,PAIRS=N5613/N5609,R=G		
Mar 29 2006 31"	17mmT4	PB,PL,R,BLNUC,HISB CNTR,COMP=5615/PAIRS=5613/5609,R=G		
May 06 1981 12.5"	24mm	MF,PS,DIM HALO		
NGC 5615			Galaxy	CLOSE N OF5614,(VF*)
May 13 2021 36"	17mmT4	EF,ES,EDGE ON,NND,INTRACT=N5614,CAN SEP,JUST BARELY TOUCH,PAIRS=N5613/N5609,R=P		
Mar 29 2006 31"	17mmT4	VF,VS,EL,PATCH,UB,NND,COMP=5614,APP AS BUMP ALONG SIDE 5614,PAIRS=5613/5809,F		
NGC 5616		H419-3	Galaxy Sbc	VF,S,CE,VGBM,ER
May 12 2021 36"	17mmT4	MF,PL,EL-EDGE ON,FLNUC,TAPERED ENDS,PAIR=MAC,R=FG		
NGC 5622		H677-3	Galaxy Sb	VF,PS,VLE,VGLBM
May 12 2021 36"	17mmT4	PB,PL,OVAL,NND,SHISB,PATCHY,R=G		
NGC 5623		H329-2	Galaxy E	CF,S,R,VSMBM,R
May 12 2021 36"	17mmT4	VB,PL,OVAL,BLNUC,VHISB,GRAN HALO,GMBM,R=G		
NGC 5624			Galaxy S?	EF,S,LE
Jun 01 2003 12.5"	9mmT6	VDIF,VF,VS,PATCH,UB,NND,R=P		
NGC 5625			Galaxy Sbc	VF,S,R,GBM
Mar 29 2006 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,R=F		
NGC 5630		H674-2	Galaxy Sdm:	F,S,E90,GBM
May 12 2021 36"	17mmT4	PB,PL,EL-OVAL,NND,MHISB,R=G		
NGC 5633		H185-1	Galaxy (R)SA(rs)b	CB,PS,R,PGLBM
May 06 1981 12.5"	24mm	DIF,PF,VS,F HALO		

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NGC 5635		H132-3	Galaxy S pec	F,S,E,SBM
May 12 2021 36"	17mmT4	VB,PL,EL-OVAL,BLNUC,GMBM,HISB CNTR,L CNTR BULGE,PATCHY,BKN HALO-SHISB,R=GE		
NGC 5637		H357-2	Galaxy S?	VF,S,R,VGBM
Mar 09 2021 36"	17mmT4	MB,MS,OVAL,UB,NND,MHISB,R=G		
NGC 5641			Galaxy (R')SAB(r)ab	PB,PS,LE,MBM,(R)
May 06 1981 12.5"	24mm	DIF,PF,VS,EL,F HALO		
NGC 5642		H126-3	Galaxy E	CF,S,*INV,*12NF
Mar 26 2006 31"	17mmT4	PB,MS,OVAL,BLNUC,HISB,* IN EDGE,PAIR=PGC51748,R=G		
NGC 5648			Galaxy Sbc	VF,S,NO NUCL,5649 NR
May 13 2021 36"	17mmT4	MF,ML,OVAL,NND,PAIR=N5655,NICE PAIR,R=FG		
Mar 09 2021 36"	17mmT4	MF,MS,OVAL,UB,NND,SHISB,PAIR=N5655,R=FG		
NGC 5653		H330-2	Galaxy (R')SA(rs)b	PF,PS,R,BM
May 06 1981 12.5"	24mm	MF,VS,DIM HALO		
NGC 5654		H420-3	Galaxy S?	F,S,(E),(**INV)
Mar 09 2021 36"	17mmT4	PB,MS,EL,UB,NND,MHISB,* IN GLXY CLOSE TO NUC,R=G		
NGC 5655		H645-3	Galaxy Scd?	EEF,SF OF 2
May 13 2021 36"	17mmT4	MB,ML,OVAL,NND,SHISB,PAIR=N5648,NICE PAIR,R=FG		
Mar 09 2021 36"	17mmT4	MF,MS,OVAL,UB,NND,SHISB,PAIR=N5648,R=FG		
NGC 5656		H421-2	Galaxy Sab	PF,PL,R,MBM,R
Mar 09 2021 36"	17mmT4	PB,ML,OVAL,BLNUC,* CLOSE BY,HISB CNTR,GRAN HALO,R=G		
NGC 5660		H695-2	Galaxy SAB(rs)c	PB,L,IR,VGBM
May 06 1981 12.5"	24mm	DIF,PB,PL,B HALO		
NGC 5665		H27-2	Galaxy SAB(rs)c pec?	PB,PL,R,GBM,R
May 06 1981 12.5"	24mm	DIF,MB,ML,B HALO		
NGC 5669		H79-2	Galaxy SAB(rs)cd	F,L,R,LBM,R
May 06 1981 12.5"	24mm	DIF,MB,ML,DIM HALO		
NGC 5672		H310-3	Galaxy Sb? sp	VF,VL,IR,LBM,**P
Mar 09 2021 36"	17mmT4	MB,MS,OVAL,UB,NND,SHISB,R=FG		
NGC 5673		H696-2	Galaxy SBc? sp	F,S,CE,*15NP
Mar 09 2021 36"	17mmT4	MB,PL,EDGE ON,UB,NND,SHISB,F* IN TIP,SLT CNTR BULGE,TAPERED ENDS,R=FG		
NGC 5675		H422-2	Galaxy S?	F,PS,E,BM
Mar 09 2021 36"	17mmT4	MB,PL,EL-EDGE ON,FLNUC,SHISB,R=G		

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NGC 5676		H189-1	Galaxy SA(rs)bc	B,L,E45,PGBM,R
May 06 1981 12.5"	24mm	VB,VL,BNUC,B HALO		
Jul 14 1980 12.5"	24mm	GET B* OUT OF FOV TO SEE		
NGC 5677		H283-3	Galaxy S?	VF,VS,R,R,3*9,10NP
Mar 09 2021 36"	17mmT4	MB,ML,OVAL,UB,NND,MHISB,R=G		
NGC 5684		H421-3	Galaxy S0	F,CS,R,BM,P OF 2
Mar 09 2021 36"	17mmT4	MB,MS,EL-OVAL,BLNUC,SHISB,MHISB CNTR,PAIR=N5686,R=FG		
NGC 5686			Galaxy Sa	VF,S,R,F OF 2
Mar 09 2021 36"	17mmT4	MF,PS,PATCH,UB,NND,SHISB,PAIR=N5684,R=F		
NGC 5687		H808-2	Galaxy S0-?	PF,S,IF,RESOLVA,*10F
Apr 14 2004 31"	17mmT4	MF,MS,EL,* BOTH TIPS,SOFT BLNUC,MHISB CNTR,PAIR=PGC52098,R=F		
May 06 1981 12.5"	24mm	MB,MS,BNUC,DIM HALO,*13 MAG EDGE OF GLXY		
NGC 5689		H188-1	Galaxy SB(s)0/a:	CB,PL,E87,PSMBM
May 06 1981 12.5"	24mm	PB,VS,BNUC		
NGC 5695		H423-2	Galaxy S?	PB,CS,R,BM,R
Mar 09 2021 36"	17mmT4	MB,PS,OVAL,BSNUC,SHISB,F* IN EDGE OF GLXY,SBM,MHISB CNTR,R=G		
NGC 5696		H648-2	Galaxy Sbc	CF,CS,R,LBM,R
Mar 09 2021 36"	17mmT4	MF,MS,OVAL,FNUC,SMWHT EL NUC RGN,BAR?,R=F		
NGC 5697		H675-2	Galaxy S?	F,VS,R,BM,4B*P
Mar 09 2021 36"	17mmT4	MF,MS,EL,UB,NND,SHISB,R=F		
NGC 5698		H700-2	Galaxy SBb	CF,CS,LE,INTRI OF ST
Mar 09 2021 36"	17mmT4	MF,PL,EL-OVAL,FLNUC,SHISB,R=FG		
NGC 5702		H894-3	Galaxy S0	VF,VS
Mar 09 2021 36"	17mmT4	MB,MS,OVAL,BSNUC,SHISB,MHISB CNTR,SBM,PAIR=N5706,R=FG		
NGC 5706		H127-3	Galaxy S	VF,VS,R,VLBM
Mar 09 2021 36"	17mmT4	MB,PS,OVAL,UB,NND,PAIR=N5709,R=F		
NGC 5707			Galaxy Sab: sp	B,PS,R
Apr 14 2004 31"	17mmT4	MB,PL,EL,BLNUC,COMP OFF TIP(PGC52269),SHISB CNTR,TAPERED ENDS,R=G		
NGC 5708		H649-2	Galaxy Sdm:	F,PL,E0,GBM
Mar 09 2021 36"	17mmT4	MB,PL,EL-OVAL,UB,NND,MHISB,CIGAR SHAPE,* IN GLXY EDGE,R=G		
NGC 5709		H128-3	Galaxy SBa	VF,S,IF,E PF
Mar 09 2021 36"	17mmT4	MF,ML,EL-OVAL,UB,NN,SHISB,CIGAR SHAPE,PAIR=N5706,R=FG		

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NGC 5710		H895-3	Galaxy E	VF,S,VGBM,**F,P OF 2
Mar 07 2021 36"	17mmT4	MF,PS,OVAL-R,BSNUC,SHISB,PAIR=N5711,R=F		
NGC 5711			Galaxy S?	EF,VS,**ATT,F OF 2
Mar 07 2021 36"	17mmT4	MF,MS,EL-EDGE ON,PATCH,UB,NND,PAIR=N5710,R=F		
NGC 5714		H675-3	Galaxy Scd:	VF,PS,E PF,D*N,1 OF6
Mar 16 2010 31"	17mmT4	MB,ML,EDGE ON,UB,NND,GRAD CNTR BULGE,SHISB,SHARP ENDS,PAIRS=NGC'S,R=G		
NGC 5717			Galaxy S	VF,S,R,D*NR,2ND OF 6
Mar 16 2010 31"	17mmT4	MB,MS,OVAL,BSNUC,BM,PAIRS=NGC'S,R=F		
NGC 5720			Galaxy Sb	EEF,PS,R,BET 2*
Apr 14 2004 31"	17mmT4	MF,PS,OVAL,FSNUC,SBM,R=F		
NGC 5721			Galaxy	VF,S,R
Mar 16 2010 31"	17mmT4	VF,EL,PATCH,UB,NND,CLOSE COMP=5722,PAIRS=NGC'S,R=P		
NGC 5722			Galaxy	VF,S,R,PSBM
Mar 16 2010 31"	17mmT4	MB,MS,OVAL,BSNUC,CLOSE COMP=5721,PAIRS=NGC'S,R=F		
NGC 5723			Galaxy E/S0	VF,S,R
Mar 16 2010 31"	17mmT4	PF,EL,VFSNUC,PAIRS=NGC'S,R=F		
NGC 5730		H657-3	Galaxy Im:	VF,CS,E90
Mar 07 2021 36"	17mmT4	MF,PL,EDGE ON,UB,NND,PAIR=N5731,NICE PAIR,R=FG		
NGC 5731		H658-3	Galaxy S?	VF,ES,LE
Mar 07 2021 36"	17mmT4	MF,ML,EL-EDGE ON,UB,NND,PAIR=N5730,NICE PAIR,R=FG		
NGC 5732		H686-3	Galaxy Sbc	VF,S,R,LBM
Mar 07 2021 36"	17mmT4	MF,MS,OVAL,UB,NND,SHISB,R=F		
NGC 5735		H133-3	Galaxy SB(rs)bc	VF,L,IR,LBM
Mar 07 2021 36"	17mmT4	MF,ML,OVAL-R,UB,NND,SHISB,PATCHY,R=FG		
NGC 5737		H896-3	Galaxy SBb	VF,CS,R,VGLBM
Mar 07 2021 36"	17mmT4	MF,MS,EL-OVAL,FSNUC,R=F		
NGC 5739		H171-1	Galaxy SAB(r)0+:	PB,S,R,SMBM,R,*NR
May 06 1981 12.5"	24mm	DIF,MF,MS,DNUC,F HALO		
NGC 5747		H48-3	Galaxy Sb	EF,S
Mar 07 2021 36"	17mmT4	MB,MS,OVAL,UB,NND,SHISB,R=FG		
NGC 5751		H809-2	Galaxy Scd:	F,S,VLE,TRI2*10,11
Apr 14 2004 31"	17mmT4	PF,ML,OVAL,UB,NND,EGG SHAPE,R-F		

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NGC 5752		Galaxy Sb	F,1'P5754
Mar 29 2006 31"	17mmT4	VF,PS,EL,PATCH,UB,NND,PAIR=5754,R=F	
NGC 5753		Galaxy	F,BM,NP5754
Mar 29 2006 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIR=5756,R=F	
NGC 5754		H687-3 Galaxy SB(rs)b	CF,CS,R,BM
Mar 29 2006 31"	17mmT4	MB,ML,R,BLNUC,MHISB CNTR,PAIR=5752,R=G	
NGC 5755		Galaxy SBd	F,2'NF5754
Mar 29 2006 31"	17mmT4	MF,MS,OVAL,FLNUC,PAIR=5753,R=G	
NGC 5760		H885-3 Galaxy Sa	VF,VS,CE90,VGLBM
Mar 07 2021 36"	17mmT4	MB,MS,OVAL,FLNUC,SHISB,R=FG	
NGC 5771		H129-3 Galaxy E?	VF,S,R,PGBM
Mar 21 2020 36"	17mmT4	MB,ML,OVAL,BLNUC,SHISB,PAIR=5773,R=G	
NGC 5773		H130-3 Galaxy S?	VF,S,R,PGBM
Mar 21 2020 36"	17mmT4	MB,ML,OVAL,BLNUC,SHISB,PAIR=5771,R=G	
NGC 5783		Galaxy SBc	PB,PS,IR,F*INV
Apr 14 2004 31"	17mmT4	MF,ML,OVAL,PATCH,UB,NND,* IN GLXY,PAIR=5788,R=F	
NGC 5784		H676-2 Galaxy S0	PB,S,R,SMBM,STELLAR
Mar 21 2020 36"	17mmT4	VB,PL,R,BLNUC,GRAN HALO,HISB,R=GE	
NGC 5787		H677-2 Galaxy S?	F,CS,R,PSLBM
Mar 21 2020 36"	17mmT4	MB,MS,EL-R,BNUC,HISB,R=G	
NGC 5788		Galaxy	EEF,S,R,VDIFFIC,SF-2
Apr 14 2004 31"	17mmT4	DIF,PF,MS,EL,PATCH,UB,NND,PAIR=5783,R=F	
NGC 5789		H976-3 Galaxy Sdm	EF,PS,IF
Mar 21 2020 36"	17mmT4	MF,MS,OVAL,UB,NND,R=FG	
NGC 5794		Galaxy S?	PF,S,VSBM*13,1ST OF4
Mar 21 2020 36"	17mmT4	MB,ML,R,BSNUC,MHISB,CLOSE TO 5797,R=G	
NGC 5797		H678-3 Galaxy S0/a	F,S,VSBM*13,2ND OF 4
Mar 21 2020 36"	17mmT4	PB,PL,EL-R,BNUC,HISB,GRAN HALO,B* IN FOV,CLOSE TO 5794,R=GE	
NGC 5798		H131-3 Galaxy Im:	F,S,R,VGBM,*NF
Mar 21 2020 36"	17mmT4	MB,PL,OVAL,NND,HISB,GRAN,SPR STR SUSP,2F*S IN GLXY,* OFF OUTER EDGE,R=GE	
NGC 5804		H679-3 Galaxy SB(s)b	VF,VS,VSMBM,*6NR
Mar 21 2020 36"	17mmT4	PB,ML,EL-EDGE ON,BLNUC,MHISB,PAIR=5805,R=G	

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NGC 5805		Galaxy	S
Mar 21 2020 36"	17mmT4	PB,MS,OVAL,FSNUC,PAIR=5804,R=F	
NGC 5820		H756-2 Galaxy S0 sp	B,E90,SBM,B D*F8'
Jun 21 2003 12.5"	9mmT6	PB,ML,OVAL,BNUC,MHISB,BLNUC AREA,B** IN FOV,R=G	
May 06 1981 12.5"	24mm	DIF,VF,VS,F HALO,JUST W OF A NICE DBL *	
NGC 5821		H811-3 Galaxy S?	VF,S
Jun 21 2003 12.5"	9mmT6	VF,MS,PATCH,UB,NND,GET B* OUT OF FOV,PAIRS/5836/OGC53476,R=F	
NGC 5829		Galaxy SA(s)c	VF,VL,IRRR,BM
Mar 29 2006 31"	17mmT4	MF,ML,OVAL,PATCH,UB,NND,PAIRS=IC4526/PGC53720,R=F	
NGC 5851		H886-3 Galaxy S?	EF,VS,NP OF 2
Mar 21 2020 36"	17mmT4	MB,ML,EL,NND,PAIRS=5852/PGC53961,R=FG	
NGC 5852		H887-3 Galaxy S?	EF,VS,SF OF 2
Mar 21 2020 36"	17mmT4	MB,ML,OVAL,FLNUC,MHISB,PAIRS=5851/PGC53961,R=FG	
NGC 5857		H751-2 Galaxy SB(s)b	CF,CS,E,P OF DNEB
Mar 21 2020 36"	17mmT4	VB,PL,EL,BLNUC,MHISB,E CLOSE PAIR=5859,R=GE	
NGC 5859		H752-2 Galaxy SB(s)bc	PF,PS,E,F OF D NEB
Mar 21 2020 36"	17mmT4	PB,VL,EDGE ON,VFNUC,MHISB,E CLOSE PAIR=5857,R=GE	
NGC 5874		Galaxy SAB(rs)c	VF,PL,R,INTRI OF3B*
Apr 23 2003 12.5"	9mmT6	PF,VL,OVAL,PATCH,UB,NND,CNTR OF TRI OF *S,R=G	
NGC 5875		H755-2 Galaxy SAB:	PB,PL,LE
Apr 23 2003 12.5"	9mmT6	EL,PATCH,UB,NND,R=G	
NGC 5876		Galaxy SB(r)ab:	F,S,R,MBM
Apr 23 2003 12.5"	9mmT6	MB,ML,OVAL,BNUC,MHISB,R=G	
NGC 5886		Galaxy E/S0	F,VS,R,BM
Mar 21 2020 36"	17mmT4	PB,MS,R,BSNUC,F* OUTER EDGE,MBM,HISB CNTR,PAIRS=5889/5888,R=G	
NGC 5888		H659-3 Galaxy SB(s)bc	CF,VS,R,BM,R
Mar 21 2020 36"	17mmT4	MB,ML,PATCH,NND,SHISB,PAIRS=5889/5886,R=G	
NGC 5889		Galaxy SBb?	EEF,GLBM
Mar 21 2020 36"	17mmT4	VF,MS,PATCH,UB,NND,PAIRS=5888/5886,R=P	
NGC 5893		H678-2 Galaxy SB(r)b	F,S,R,R,3*NR
Mar 21 2020 36"	17mmT4	MB,PL,PATCH,UB,NND,SHISB,PAIRS=5895/5896,R=G	
NGC 5895		Galaxy Sc	VF,S,E NS,CONNW/5896

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NGC 5895		Galaxy Sc	VF,S,E NS,CONNW/5896
Mar 21 2020 36"	17mmT4	VF,VS,OVAL,NND,PAIRS=5893/5896,R=F	
NGC 5896		Galaxy	VF,VS,R,CONN W/5895
Mar 21 2020 36"	17mmT4	EF,VS,PATCH,NND,AV COMES AND GOES,PAIRS=5893/5895,R=P	
NGC 5899		H650-2 Galaxy SAB(rs)c	CB,PL,PME,SMBMN
May 14 2010 31"	17mmT4	PB,ML,EL,BSNUC,MHISB,GRAN ARMS,SBM,HISB CNTR,R=G	
May 06 1981 12.5"	24mm	MB,VL,DNUC,DIM HALO	
NGC 5900		H660-3 Galaxy Sb: sp	VF,S,VLE,GBM
May 14 2010 31"	17mmT4	MF,MS,EDGE ON,UB,NND,SLT CNTR BULDGING,R=F	
NGC 5902		H737-3 Galaxy S	VF,VS,STELLAR
Apr 23 2003 12.5"	9mmT6	MF,MS,R,BNUC,MHISB,GMBM,R=F	
NGC 5914A		Galaxy Sb	F,VS,R,F ST INV
May 14 2010 31"	17mmT4	MF,PS,EL,BSNUC,PAIRS=5914B/MAC,R=F	
NGC 5914B		Galaxy S	
May 14 2010 31"	17mmT4	VF,MS,PATCH,NND,PAIRS=5914A,MAC ON TOP OF GLXY,CANNOT DET,R=P	
NGC 5918		Galaxy Scd:	CF,L,PME,GLBM,**S
May 14 2010 31"	17mmT4	MB,ML,EDGE ON,FLNUC,GRAD CNTR BULGING,MHISB,R=G	
NGC 5923		H661-3 Galaxy SAB(s)bc	VF,PL,VLE,VGBM
May 14 2010 31"	17mmT4	DIF,PF,ML,OVAL,PATCHY,NND,R=F	
NGC 5929		Galaxy Sab: pec	VF,VS,SP OF DNEB
May 14 2010 31"	17mmT4	MB,VS,BSNUC,SHISB,TOUCH=5930,NICE PAIR,R=F	
Mar 29 2006 31"	17mmT4	MBMML,R,BSNUC,CLOSE COMP=5930,BM,SBM,PAIR=PGC55095,R=G	
NGC 5930		H651-2 Galaxy Sa	PF,PS,R,NF OF DNEB
May 14 2010 31"	17mmT4	MB,ML,VFSNUC,GBM,MHISB,TOUCH=5929,NICE PAIR,R=G	
Mar 29 2006 31"	17mmT4	PB,PL,OVAL,BSNUC,CLOSE COMP=5929,BM,SBM,PAIR=PGC55095,R=G	
NGC 5966		H634-3 Galaxy E	VF,S,R,GBM,2ST8F
Mar 21 2020 36"	17mmT4	PB,ML,EL,BLNUC,MHISB,PAIR=IC4563/MAC,NICE FOV,R=G	
NGC 5992		H635-3 Galaxy S	VF,VS,R,BM,SP OF 2
Mar 21 2020 36"	17mmT4	MB,MS,EL,PATCH,FLNUC,MHISB,PAIR=5993,R=G	
NGC 5993		H636-3 Galaxy SB(r)b:	CF,VS,R,BM,NF OF 2
Mar 21 2020 36"	17mmT4	MB,ML,R,BSNUC,MHISB,SN?,F*IN NUC AREA,HISB CNTR,PAIR=5992,R=G	
PGC 48024		Galaxy S	
May 14 2010 31"	17mmT4	PF,PS,EL,UB,NND,R=P	

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PGC 48077		Galaxy S
May 14 2010 31"	17mmT4	PF,VS,EL-OVAL,PATCH,UB,NND,R=F
PGC 48203		Galaxy
May 14 2010 31"	17mmT4	EF,VS,PATCH,AV COMES AND GOES,PAIRS=OTHERS,R=P
PGC 48479		Galaxy S?
May 14 2010 31"	17mmT4	MF,MS,OVAL,UB,SHISB,R=F
PGC 48529		Galaxy S
May 14 2010 31"	17mmT4	VF,PS,UB,NND,R=P
PGC 48973		Galaxy
Mar 29 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,V CLOSE COMP=PGC48974,PAIR=MAC,R=P
PGC 48974		Galaxy S
Mar 29 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,V CLOSE COMP=PGC48973,PAIR=MAC,R=F
PGC 48980		Galaxy S
Mar 29 2006 31"	17mmT4	EF,VS,PATCH,AV,SUSP,PAIR=PGC48981,R=P
PGC 48981		Galaxy S
Mar 29 2006 31"	17mmT4	EF,VS,PATCH,AV,SUSP,PAIR=PGC48980,R=P
PGC 49499		Galaxy S
Apr 09 2008 31"	17mmT4	EF,ES,UB,CAN NOT DET ON TOP OF PGC49502,SUSP,R=P
PGC 49502		Galaxy S?
Apr 09 2008 31"	17mmT4	VF,PS,UB,V CLOSE COMP ARE NOT DET,PAIRS=PGC'S/MAC,R=P
PGC 49505		Galaxy S0?
Apr 09 2008 31"	17mmT4	VF,PS,UB,PAIRS=PGC'S/MAC,R=P
PGC 50019		Galaxy S
Mar 16 2010 31"	17mmT4	PF,PS,FLNUC,V NICE GLXYAXY GRP,R=F
PGC 50032		Galaxy S
Mar 16 2010 31"	17mmT4	VF,PS,UB,NND,V NICE GLXYAXY GRP,R=P
PGC 50087		Galaxy Sbc
Mar 16 2010 31"	17mmT4	MF,ML,EL-EDGE ON,UB,NND,CLOSE COMP=5434,R=F
PGC 50509		Galaxy S?
Mar 26 2006 31"	17mmT4	MB,MS,EDGE ON,PATCH,UB,SHISB,PAIR=MAC,R=G
PGC 50552		Galaxy
Mar 26 2006 31"	17mmT4	PF,PS,OVAL,VFSNUC,PAIRS=5490/OTHERS,R=F

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PGC 50559		Galaxy
Mar 26 2006 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,R=F
PGC 50572		Galaxy S
Mar 26 2006 31"	17mmT4	VF,MS,OVAL,PATCH,UB,NND,PAIRS=IC983/IC982/OTHERS,R=F
PGC 50581		Galaxy Scd
Mar 26 2006 31"	17mmT4	MF,ML,EDGE ON,PATCH,UB,NND,R=F
PGC 50586		Galaxy SAdm
May 12 2021 36"	17mmT4	EF,ES,PATCH,LOC GOOD,COMES AND GOES,AV,R=P
PGC 50612		Galaxy
Mar 26 2006 31"	17mmT4	PF,VS,OVAL,VFSNUC,F* OFF EDGE,R=F
PGC 50640		Galaxy S?
May 14 2010 31"	17mmT4	VF,VS,PATCH,NND,PAIRS=IC4381-2/PGC,R=P
Apr 09 2008 31"	17mmT4	EF,VS,OVAL,PATCH,NND,AV COMES AND GOES FINALLY HOLDS,PAIRS=IC'S/PGC,R=P
PGC 50641		Galaxy E
May 14 2010 31"	17mmT4	EF,ES,ALM *,TOOK AV A WHILE TO LOCATE,COMES AND GOES,PAIRS=IC4381-2/PGC,R=P
Apr 09 2008 31"	17mmT4	EF,ES,AV COMES AND GOES,FINALLY HOLDS,ALM *,PAIRS=IC'S/PGC,R=P
PGC 50645		Galaxy
May 14 2010 31"	17mmT4	VF,VS,BSNUC,TOUCH=MAC,CAN JUST BARELY SEP,R=P
PGC 50664		Galaxy Sdm
Jun 01 2003 12.5"	9mmT6	VDIF,EF,VS,PATCH,AV HOLDS,R=P
PGC 50716		Galaxy S
May 14 2010 31"	17mmT4	PF,PS,EL,VFSNUC,PAIRS=IC4383/5504,R=P
PGC 50761		Galaxy S
May 12 2021 36"	17mmT4	MF,PS,EL,FSNUC,PAIR=NGC5513,R=F
PGC 50784		Galaxy Sb
May 14 2010 31"	17mmT4	PF,ML,OVAL,FSNUC,PATCHY,R=F
PGC 50902		Galaxy Sdm
Mar 26 2006 31"	17mmT4	EDIF,EF,MS,SUSP,R=P
PGC 50944		Galaxy Compact
Mar 26 2006 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,PAIRS=MAC,SHISB,R=F
PGC 50952		Galaxy Spiral
Mar 26 2006 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,PAIR=5529,R=F

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PGC 50984		Galaxy
May 12 2021 36"	17mmT4	VF,VS,PATCH,NND,KEEP B* OUT OF FOV,PAIR=N55411,R=FP
PGC 51121		Galaxy S
May 12 2021 36"	17mmT4	DIF,PF,ML,EL,UB,NND,MAC JUST OFF ONE END,PAIRS=MAC/PGC51144,R=F
PGC 51144		Galaxy S
May 12 2021 36"	17mmT4	VF,VS,PATCH,NND,AV HOLDS,PAIRS=MAC/PGC51121,R=P
PGC 51181		Galaxy S
Mar 29 2006 31"	17mmT4	VDIF,EF,VS,PATCH,AV,SUSP,PAIR=PGC51214,R=P
PGC 51207		Galaxy Im
May 30 2014 36"	17mmT4	PF,ML,EDGE ON,UB,NND,PA~45,R=PF
PGC 51214		Galaxy SB?
Mar 29 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=PGC51181,R=P
PGC 51279		Galaxy S
Mar 29 2006 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,R=P
PGC 51285		Galaxy S
Mar 26 2006 31"	17mmT4	VF,MS,EDGE ON,PATCH,UB,NND,AV FIRST THEN HOLDS,B* CLOSE,PAIRS=5590/5589,R=P
PGC 51296		Galaxy S
Mar 26 2006 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,R=F
PGC 51372		Galaxy SAcD
Feb 22 2020 36"	17mmT4	VF,PS,PATCH,NND,OTHERS IN FOV,R=P
PGC 51411		Galaxy S
May 12 2021 36"	17mmT4	EF,VS,PATCH,NND,PAIR=MAC,R=P
PGC 51464		Galaxy S
May 13 2021 36"	17mmT4	PF,PS,OVAL,NND,PAIRS=PGC51470/PGC51477,Galaxy Trio #84,R=F
PGC 51470		Galaxy SBa
May 13 2021 36"	17mmT4	PF,PS,EL,FLNUC,* OFF NUC,PAIRS=PGC51464/PGC51477,Galaxy Trio #84,R=F
PGC 51477		Galaxy Sc
May 13 2021 36"	17mmT4	VF,PS,NND,PAIRS=PGC51464/PGC51470,Galaxy Trio #84,R=F
PGC 51496		Galaxy S
May 12 2021 36"	17mmT4	EF,VS,PATCH,UB,AV CONES AND GOES,HOLDS AT TIMES,R=P
PGC 51503		Galaxy Sd
May 30 2014 36"	17mmT4	MB,PL,EDGE ON,NND,PA~90,* OFF TO SIDE,SILVER,SLT CNTR BULGIND,R=FG

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PGC 51587		Galaxy Sd:
May 30 2014 36"	17mmT4	VF,ML,EDGE ON,NND,PA~90,THIN SLIVER,R=P
PGC 51621		Galaxy SBc-IRR
Mar 26 2006 31"	17mmT4	DIF,VF,MS,OVAL,PATCH,UB,NND,R=P
PGC 51695		Galaxy Sa?
May 12 2021 36"	17mmT4	MB,ML,EL-EDGE ON,UB,MHISB,R=FG
PGC 51747		Galaxy S-Irr
Mar 26 2006 31"	17mmT4	VF,VS,EL,PATCH,UB,F* OFF EDGE,R=P
PGC 51748		Galaxy S R
Mar 26 2006 31"	17mmT4	PF,MS,OVAL,PATCH,NND,PAIR=5642,R=F
PGC 51819		Galaxy SB(rs)c
May 12 2021 36"	17mmT4	VF,MS,PATCH,UB,NND,R=PF
PGC 52098		Galaxy
Apr 14 2004 31"	17mmT4	PF,VS,PATCH,SETLLAR LIKE,PAIR=5687,R=P
PGC 52120		Galaxy S
Mar 29 2006 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,PAIRS=IC4461/IC4462,R=P
PGC 52226		Galaxy Spiral
Apr 14 2004 31"	17mmT4	VDIF,VF,MS,OVAL,PATCH,UB,NND,R=P
PGC 52269		Galaxy S
Apr 14 2004 31"	17mmT4	PF,MS,CLOSE COMP=5707,OVAL,PATCH,UB,NND,R=P
PGC 52283		Galaxy S?
Mar 26 2006 31"	17mmT4	PF,MS,OVAL,FSNUC,2NUC AREAS DET OR * CLOSE TO NUC,V CLOSE COMP DET,R=F
PGC 52675		Galaxy C
Mar 29 2006 31"	17mmT4	PF,PS,R,UB,NND,SHISB,PAIR=PGC52698,R=F
PGC 52698		Galaxy Sb
Mar 29 2006 31"	17mmT4	PF,MS,EL-EDGE ON,PATCH,UB,NND,PAIR=PGC52675,R=F
PGC 52773		Galaxy SB
Mar 16 2010 31"	17mmT4	MF,MS,OVAL,FLNUC,PAIRS=PGC'S,R=F
PGC 52778		Galaxy S0
Mar 16 2010 31"	17mmT4	MF,PS,OVAL,BSNUC,BM,PAIRS=PGC'S,R=F
PGC 52781		Galaxy SBa:
Mar 16 2010 31"	17mmT4	MF,MS,OVAL,BSNUC,BM,PAIRS=PGC'S,R=F

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PGC 52788		Galaxy S0/a
Mar 16 2010 31"	17mmT4	MF,PS,OVAL,BSNUC,BM,PAIRS=PGC'S,R=F
PGC 52794		Galaxy
Mar 16 2010 31"	17mmT4	PF,VS,EL,FSNUC,PAIRS=PGC'S,R=F
PGC 52803		Galaxy SB
Mar 17 2010 31"	17mmT4	PF,VS,OVAL,UB,NND,VF* JUST OFF EDGE,PAIRS=MAC'S,R=F
Mar 29 2006 31"	17mmT4	PF,VS,OVAL,VFSNUC,* CLOSE BY,COMP=MAC,PAIR=MAC,R=F
PGC 52844		Galaxy S0?
Apr 06 2008 31"	17mmT4	VF,VS,PATCH,SNUC,HICKSON 72,R=P
Mar 29 2006 31"	17mmT4	VF,VS,PATCH,*NUC,PAIRS=PGC'S,WHERE IS HICKSON 72E?,R=P
PGC 52848		Galaxy S
Apr 06 2008 31"	17mmT4	VF,VS,PATCH,FSNUC,CLOSE COMP=PGC52851,HICKSON 72,R=P
Mar 29 2006 31"	17mmT4	VF,VS,PATCH,VFSNUC,CLOSE COMP=PGC52851,PAIRS=PGC'S,R=P
PGC 52851		Galaxy L
Apr 06 2008 31"	17mmT4	VF,VS,PATCH,FSNUC,CLOSE COMP=PGC52848,HICKSON 72,R=P
Mar 29 2006 31"	17mmT4	VF,VS,PATCH,VFSNUC,CLOSE COMP=PGC52848,PAIRS=PGC'S,R=P
PGC 52854		Galaxy S0?
Apr 06 2008 31"	17mmT4	F,VS,PATCH,NND,HICKSON 72,R=P
Mar 29 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,KEEP * OUT OF FOV,PAIRS=PGC'S,R=P
PGC 53053		Galaxy S0
Mar 29 2006 31"	17mmT4	MF,PS,EL,FLNUC,PAIRS=PGC'S,R=F
PGC 53054		Galaxy Sab
Mar 29 2006 31"	17mmT4	VF,VS,OVAL,FSNUC,PAIRS=PGC'S,R=P
PGC 53237		Galaxy SBb-c
Mar 21 2020 36"	17mmT4	VF,VS,PATCH,NND,R=PF
PGC 53371		Galaxy S
Mar 29 2006 31"	17mmT4	EF,ES,PATCH,CLOSE COMP=PGC53372,PAIR=MAC,SUSP,R=P
PGC 53372		Galaxy S
Mar 29 2006 31"	17mmT4	VF,PS,OVAL,PATCH,VFSNUC,CLOSE COMP=PGC53371,PAIR=MAC,VF* OFF EDGE,R=P
PGC 53376		Galaxy Sb
Mar 29 2006 31"	17mmT4	EF,PS,EDGE ON,UB,AV COMES AND GOES,NND,R=P
PGC 53432		Galaxy S
Mar 29 2006 31"	17mmT4	MF,MS,EDGE ON,PATCH,UB,NND,LOC LEFT OF *,VF* IN EDGE,INTRACT=PGC,R=F

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PGC 53433		Galaxy Double System
Mar 29 2006 31"	17mmT4	MF,PS,PATCH,UB,NND,LOC RIGHT OF *,INTRACT=PGC,R=F
PGC 53476		Galaxy SAd
Jun 21 2003 12.5"	9mmT6	VDIF,EF,ES,UB,AV,PAIRS/5821/5836,R=P
PGC 53720		Galaxy S
Mar 29 2006 31"	17mmT4	EF,PS,PATCH,AV COMES AND GOES,PAIRS=5829/IC4526,R=P
PGC 53961		Galaxy S
Mar 21 2020 36"	17mmT4	PF,MS,PATCH,NND,PAIRS=5851/5852,R=P
PGC 54377		Galaxy Scd:
May 31 2014 36"	17mmT4	MF,MS,EDGE ON,UB,NND,PA~145,R=F
PGC 55095		Galaxy IBm
May 14 2010 31"	17mmT4	EF,PS,EDGE ON,UB,NND,TOOK AV A WHILE THEN HOLDS,R=P
Mar 29 2006 31"	17mmT4	EDIF,EF,VS,AV COMES AND GOES,PAIRS=5930/5929,R=P

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CR 145		Open Cluster III 2 p	
Mar 03 2021 36"	17mmT4	(III 2 p),MF,ML,~20*S,SLT DIF IN MAG,LOOSELY SC,CAN DET IN FOV,(8:40pm),R=PF	
HAFF 6		Open Cluster IV 2 rn	
Dec 19 2006 31"	17mmT4	PF,ML,~50*S,LOOSELY CL,F BG GLOW,R=P	
IC 456		Galaxy SB(rs)0^	
Dec 19 2006 31"	17mmT4	PB,ML,R,BLNUC,SOFT NUC,BM,MHISB CNTR,R=G	
IC 468		Brn Nebula E	
Mar 04 2021 36"	31mmT5	(Lb 3),DIF,VB,PL,W/OIII,4-5 TENTACLES SUR N2359,N2359 IN CNTR,N TENTACLE BTR,(10:41pm),R=E	
Dec 28 2008 31"	31mmT5	PB,EEL,W/OIII,SPIDER LIKE LEGS,B AREAS,LOBS OF BG NEB,BEDGE/RIDGES,BEST,R=E	
Dec 19 2006 31"	31mmT5	W/OIII,DIF,MB,EL,MHISB,SPIDER FILAMENTS SPRING FROM 2359,SVRL FOV'S,OIII FILTER HELPS OUT GREATLY,AWSOME DETAIL,PAIR=2359,R=E	
IC 2163		Galaxy SB(rs)c pec	
Dec 19 2006 31"	17mmT4	MF,VL,OVAL,NND,PATCHY AREAS DET,PAIR=2207,R=G	
IC 2165		Planetary Neb 3b	
Dec 28 2008 31"	17mmT4	MB,PS,R,UB,B BLUEISH BALL, NO CNTR*,OIII DOESNOT HELP MUCH,R=G	
Dec 19 2006 31"	17mmT4	VB,PS,R,B BLUE BALL,NO CNTR *,W/OIII,NEB IS BTR,R=G	
IC 2171		Galaxy IB(s)m:	
Dec 19 2006 31"	17mmT4	EF,MS,EL,PATCH,UB,AV,LOC IN RICH * FIELD,R=P	
NGC 2204		H13-7	Open Cluster II 2 r
Oct 16 1982 12.5"	24mm	VF,ML,LOOSE-SC,~50*S,B* OUTSIDE CL	CL,L,PRI,LC
NGC 2206		Galaxy SAB(rs)bc:	F,PS,VLE,PSLBM
Nov 21 2006 12.5"	12mmT4	MF,ML,OVAL,FLNUC,SHISB CNTR,R=F	
NGC 2207		Galaxy SAB(rs)bc pec	PB,PL,ME87,PSLBMRN
Dec 19 2006 31"	17mmT4	VB,ML,EL,BLNUC,HISB CNTR,BM,PAIR=IC2163,R=E	
Dec 03 1980 12.5"	24mm		
NGC 2211		Galaxy SB(r)0^:	VF,PS,E45,BMN
Nov 21 2006 12.5"	12mmT4	MF,PS,EL,BLNUC,PAIR=2212,R=F	
NGC 2212		Galaxy SB(rs)0+ pec:	EF,VS,R,INFIELDWLAST
Nov 21 2006 12.5"	12mmT4	VF,VS,PATCH,UB,AV,PAIR=2211,R=P	
NGC 2216		Galaxy SAB(r)ab:	VF,PL,R,VGLBM
Nov 21 2006 12.5"	12mmT4	PF,MS,EL,UB,NND,R=F	
NGC 2217		Galaxy (R)SB(rs)0+	VB,S,R,PSMBM,R
Dec 03 1980 12.5"	24mm		

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NGC 2223		Galaxy SAB(r)b	F,PL,R,VGLBM,2STINV
Dec 03 1980	12.5" 24mm	V DIM,AV ALM RSLV	
NGC 2227		Galaxy SB(rs)c	EF,R,** 90"P
Nov 21 2006	12.5" 12mmT4	PF,PS,EL,UB,NND,R=P	
NGC 2243		Open Cluster I 2 r	PB,CL,R,VGLBM,4'
Nov 21 2006	12.5" 12mmT4	MB,ML,WELL PLACED,VAR MAGN,~40-50*S,BG GLOW,R=F	
NGC 2263		Galaxy (R')SB(r)ab	PF,LE,BET2VS*,PSLBM
Nov 21 2006	12.5" 12mmT4	PF,MS,PATCH,UB,NND,F*S IN AND SUR GLXY,R=F	
NGC 2267		Galaxy SB(r)0^	PB,S,R,2OR3*V NR
Nov 21 2006	12.5" 12mmT4	PF,PS,PATCH,UB,NND,F* IN AND SUR GLXY,R=F	
NGC 2271		Galaxy SAB0-	PF,S,R,GBM,AM ST
Nov 21 2006	12.5" 12mmT4	MF,MS,OVAL,PATCH,UB,NND,SHISB,R=F	
NGC 2272		Galaxy SAB(s)0-	PF,PS,VLE,BM,R
Nov 21 2006	12.5" 12mmT4	MF,MS,OVAL,PATCH,UB,NND,SHISB,R=F	
NGC 2280		Galaxy SA(s)cd	PF,PL,LE,GBM
Nov 21 2006	12.5" 12mmT4	MB,PL,EL,NND,B BAR LIKE CNTR RGN,MHISB CNTR,R=G	
NGC 2283		H271-3 Galaxy SB(s)cd	3OR4S*+NEB
Oct 05 2002	12.5" 9mmT6	DIF,PB,ML,F* ON BOTH ENDS,STELL NUC, OVAL,PATCH	
NGC 2287	M41	Open Cluster I 3 r	CL,VL,B,LC,ST 8...
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Mar 02 1984	10" 20mm	SAME	
Mar 27 1982	12.5" 24mm	VB,EL,WELL DISPERSED IN 24MM,50-100*S WITH MANY F*S IN BG	
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Dec 03 1980	12.5" 24mm		
Oct 31 1980	12.5" 24mm		
Sep 18 1980	12.5" 24mm		
Sep 10 1980	12.5" 24mm		
NGC 2292		Galaxy SAB0^ pec	EF,R,GBM,DWI93,AM ST
Nov 21 2006	12.5" 12mmT4	MF,PS,PATCH,UB,CLOSE COMP=2293,PAIRS=2295,CAN BARELY SEP THE TWO,R=F	
NGC 2293		Galaxy SAB(s)0+ pec	PB,R,GBM,DWI92,AM ST
Nov 21 2006	12.5" 12mmT4	MB,ML,OVAL-R,BLNUC,GMBM,PAIRS=2295,CLOSE COMP=2292,R=G	
NGC 2295		Galaxy Sab: sp	EF,S,R,BETST,DNEB P
Nov 21 2006	12.5" 12mmT4	MB,ML,EL-EDGE ON,PATCH,UB,NND,SVRL F*S IN GLXY,PAIRS=2293/2292,R=G	
NGC 2296		Galaxy E	VF,VS,R

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NGC 2296		Galaxy E	VF,VS,R
Nov 21 2006 12.5"	12mmT4	MB,PS,R,BSNUC,SUDLY MBM,R=F	
NGC 2318		H14-7	Open Cluster asterism?
Nov 21 2006 12.5"	12mmT4	PB,VS,B* WITH A FEW VF*S CLOSE BY,NO CL DET,R=P	CL,L,SC ST8...9
NGC 2325		Galaxy E4	PB,PL,LE,GBM
Dec 03 1980 12.5"	24mm	A CL OF F*S?	
NGC 2327		H25-4	Brт Nebula E
Nov 21 2006 12.5"	12mmT4	DIF,PB,PS,B* WITH FT NEB SUR, B INNER RGN,R=G	PB**INV INS,VF,NEB
NGC 2345		Open Cluster II 3 r	CL,PL,PRI,GBM,*10.14
Nov 21 2006 12.5"	12mmT4	VB,VL,7-10B*S WITH 50 F*S,GOOD CL,WELL PLACED IN 12MM,R=G	
NGC 2354		H16-7	Open Cluster III 2 r
Oct 16 1982 12.5"	24mm	MF,VL,LOOSE,SC,~30*S	CL,CRI,LC
Oct 31 1980 12.5"	24mm	LOOSE,NOT MUCH CL	
NGC 2359		H21-5	Brт Nebula E
Mar 04 2021 36"	31mmT5	(Lb 2),DIF,VB,VL,W/OIII,WELL PLACED IN FOV,EDGES DEF IN PARTS FADE AWAY IN OTHERS,B AREAS HERE AND THERE,OIII HELPS A LOT,IN CNTR OF IC 468,(10:40pm),R=EE	VF,VVL,VIF
Dec 28 2008 31"	31mmT5	PB,EL,W/OIII,FINE DETAIL THROT,B AREAS,B EDGES,BRIDGES,BEST EVER,R=E	
Dec 19 2006 31"	31mmT5	DIF,MF,EL-OVAL,L PATCHY AREAS OF NEB SC ALM *S,PAIR=IC468,R=G	
Dec 19 2006 31"	31mmT5	W/OIII,DIF,MB,VL,OVAL,HISB,B PATCHES,FILAMENTS,FILTER HELPS GREATLY,AWSOME,R=E	
Nov 21 2006 12.5"	12mmT4	DIF,VB,VL,W/OIII,PATCHY,WISPS OF ARMS,SPR SHAPE,B AREAS DET,R=E	
NGC 2360		H12-7	Open Cluster I 3 r
Oct 16 1982 12.5"	24mm	MB,ML,~50*S SAME MAG,RESEMBLES WILD DUCK CL	CL,VL,RI,PC,ST9...12
Oct 31 1980 12.5"	24mm	LOOKS LIKE S BEE HIVE	
NGC 2362		H17-7	Open Cluster I 3 r
Oct 16 1982 12.5"	24mm	~30*S,VB,VL,B* IN CNTR,TRI SHAPE,*S ~SAME MAG	CL,PL,RI,30CMA
Oct 31 1980 12.5"	24mm	6TH MAG CNTR * SUR BY 9TH *S,E	
NGC 2367		H27-8	Open Cluster II 3 m
Nov 21 2006 12.5"	12mmT4	PB,ML,FEW B*S WITH FTR *S,~20*S,V SHAPED,WELL PLACED,R=F	CL,S,P,LC
NGC 2374		H35-8	Open Cluster IV 2 p
Nov 21 2006 12.5"	12mmT4	VB,EL,LOOSE,NOT WELL DEFINED,MANY *S VAR MAG,LTL CL,FILLS FOV,R=P	CL,VL,PRI,LC,ST L
NGC 2380		Galaxy SB0	PF,PS,R,VSMBM,AM ST
Nov 21 2006 12.5"	12mmT4	PF,PS,OVAL,FLNUC,IN RICH * FIELD,R=F	
NGC 2383		Open Cluster II 3 m	CL,PS,PMC,ST12
Nov 21 2006 12.5"	12mmT4	PB,PL,~50*S,FEW B*S,WELL PLACED,GOOD CL,PAIR=2384,BG GLOW,R=G	

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NGC	2384		Open Cluster IV 3 p	CL,LC,BIFID,**
Nov 21 2006	12.5"	12mmT4	MB,ML,~20*S,SC,B*S,LOOSELY CL,V SHAPE,PAIR=2383,R=F	
RU	1		Open Cluster III 1 p	
Nov 13 2020	36"	55mm	(II 1 p),MB,ML,~15*S SIM MAG,TRI SHAPE,SC,(4:03am),R=F	
RU	3		Open Cluster III 1 p	
Mar 03 2021	36"	17mmT4	(III 1 p),MB,ML,~10*S LOOSELY SC,SAME MAG,(8:14pm),R=F	
RU	7		Open Cluster II 2 m	
Nov 13 2020	36"	17mmT4	(II 2 m),MF,ML,~25*S,WELL PLACED IN FOV,1 BTR * OTHERS FTR ~13...14 MAG,SC,(4:32am),R=F	

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ABELL 20			Planetary Neb	
Apr 04 2005	31"	17mmT4	DIF,EF,PL,R,W/0III,NEB DET,PATCHY AREAS,VF*S INSIDE NEB,R=F	
Apr 04 2005	31"	17mmT4	VDIF,EF,PL,OVAL,3F*S IN CNTR PART OF NEB,R=P	
IC 494			Galaxy SA0^:	
Feb 15 2004	31"	17mmT4	MF,ML,EL,FSNUC,SBM,R=F	
IC 498			Galaxy S	
Feb 15 2004	31"	17mmT4	DIF,PF,PL,OVAL-R,UB,NND,R=F	
IC 2231			Galaxy E:	
Feb 15 2004	31"	17mmT4	MF,MS,OVAL,BSNUC, * ON EDGE,SHISB CNTR,R=F	
MAC 0730+0939			Galaxy	
Feb 15 2004	31"	12mmT4	DIF,VF,ES,PATCH,UB,NND,CLOSE PAIR=2404,R=P	
MAC 0742+0922B			Galaxy	
Feb 15 2004	31"	17mmT4	DIF,VF,VS,PATCH,NND,R=P	
MAC 0802+0921			Galaxy	
Jan 24 2004	31"	17mmT4	EDIF,EF,VS,PATCH,AV,SUSP,PAIRS=S511/2513/2510,R=P	
MAC 0802+0922			Galaxy	
Jan 24 2004	31"	17mmT4	EDIF,EF,VS,PATCH,AV,SUSP,PAIRS=2511/2513/2510,R=P	
MAC 0810+0515			Galaxy	
Feb 15 2004	31"	17mmT4	DIF,VF,VS,OVAL,PATCH,UB,NND,R=P	
NGC 2350			Galaxy S0/a	EF,ES,IR
Oct 30 1981	12.5"	12mm	EDIF,VF,ES,LOCATED IN * FIELD,NNS,UB	
NGC 2402			H19-3	Galaxy Double System
Feb 15 2004	31"	17mmT4	MF,MS,R,UB,NND,VF* IN EDGE,SVRL *S IN LINE OFF ONE SIDE,PAIR=MAC,R=G	EF,S,R,LBM,*INV
NGC 2416			Galaxy Scd:	EF,S
Feb 15 2004	31"	17mmT4	MF,ML,OVAL,PATCH,UB,SHISB,R=G	
NGC 2433			Galaxy Sab	EF,*15 90"SP
Feb 15 2004	31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,R=F	
NGC 2470			Galaxy Sab	EF,S,LE,BET2*
Feb 15 2004	31"	12mmT4	PB,PL,EL,BLNUC,DUST LANE SUSP,MHISB CNTR,R=G	
NGC 2485			Galaxy Sa	NEB*12M
Feb 17 2004	31"	17mmT4	VF,PS,OVAL,FSNUC,PAIR=2461/MAC,R=F	
Feb 15 2004	31"	17mmT4	VB,VL,R,VBNUC,MHISB,R=G	

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NGC 2491		Galaxy	EEF,PS,IRRR,VDIFFIC
Feb 15 2004 31"	17mmT4	MF,MS,PATCH,UB,NNE,R=F	
NGC 2496		Galaxy E	VF,PS,R,LBM,*CLOSE F
Feb 15 2004 31"	17mmT4	MB,ML,R,BLNUC,MHISB CNTR,R=G	
NGC 2499		Galaxy SBc	EF,PS,IR
Feb 15 2004 31"	17mmT4	MF,ML,OVAL,PATCH,UB,NND,VF* OFF ONE EDGE,R=F	
NGC 2504		Galaxy S?	VF,S,R
Feb 15 2004 31"	17mmT4	MF,MS,R,SOFT SNUC,SHISB,R=F	
NGC 2508		H7-3 Galaxy E?	F,VS,VLE,2*P
Feb 15 2004 31"	17mmT4	PB,MS,OVAL,BLNUC,GMBM,HISB CNTR,R=G	
NGC 2510		Galaxy S0:	
Jan 24 2004 31"	17mmT4	DIF,VF,PL,PATCH,UB,NND,PAIRS=2513/2511 AND MAC'S,R=P	
NGC 2511		Galaxy S?	EF,2513NF
Jan 24 2004 31"	17mmT4	MF,ML,PATCH,UB,NND,PAIRS=2513/2510 AND MAC'S,R=F	
NGC 2538		Galaxy (R')SBa	VF,VS,R,MBM
Feb 15 2004 31"	17mmT4	MB,MS,OVAL,BLNUC,SHISB,HISB CNTR,R=G	
PGC 21344		Galaxy	
Feb 15 2004 31"	17mmT4	MF,MS,EL,FLNUC,F* ON EDGE,SHISB CNTR,PAIR=PGC21359,R=F	
PGC 21356		Galaxy Sm:	
Feb 15 2004 31"	17mmT4	VDIF,VF,MS,OVAL,PATCH,UB,NND,R=P	
PGC 21359		Galaxy	
Feb 15 2004 31"	17mmT4	MF,MS,EL,FLNUC,SHISB CNTR,PAIR=PGC21344,R=F	
PGC 22334		Galaxy	
Feb 15 2004 31"	17mmT4	PF,MS,R,PATCH,UB,PAIR=PGC22355,R=F	
PGC 22355		Galaxy	
Feb 15 2004 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,3 VF*'S IN GLXY,OTHER *'S SURPAIR=PGC22334,R=F	
PGC 22360		Galaxy	
Feb 15 2004 31"	17mmT4	DIF,MF,MS,OVAL,PATCH,UB,NND,R=F	
PGC 22392		Galaxy Sc	
Feb 15 2004 31"	17mmT4	VF,VS,EL,PATCH,*NUC,FVSNUC,R=P	
PGC 22905		Galaxy C	
Feb 15 2004 31"	17mmT4	DIF,VF,MS,EL,PATCH,UB,NND,R=F	

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PGC 22967

Galaxy

Feb 15 2004 31" 17mmT4 MF,MS,EL,UB,*NUC,R=P

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IC	801		Galaxy Sa?
	Mar 04 2006 31"	17mmT4	MF,MS,R,BLNUC,MHISB,BM,R=G
IC	883		Galaxy Im: pec
	Mar 17 2007 31"	17mmT4	MF,MS,EL,UB,NND,R=G
IC	3002		Galaxy Sc
	Feb 25 2004 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,R=F
IC	3014		Galaxy SB?
	Feb 25 2004 31"	17mmT4	MF,MS,OVAL,PATCH,SBM,R=F
IC	3022		Galaxy E?
	Feb 25 2004 31"	17mmT4	MB,MS,R,BSNUC,SBM,SHISB CNTR,PAIR=MAC,R=G
IC	3687		Galaxy IAB(s)m
	Apr 10 2023 36"	17mmT4	DIF,EF,PS,PATCH,NND,AV TOOK A WHILE TO DET,AV HARD TO HOLD,R=P
IC	3713		Galaxy L
	Feb 17 2004 31"	17mmT4	MF,MS,OVAL,BSNUC,SHISB CNTR,R=F
IC	3778		Galaxy
	Feb 25 2004 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIR=MAC,R=F
IC	3783		Galaxy S
	Feb 25 2004 31"	17mmT4	PF,MS,PATCH,UB,NND,F* IN GLXY SUSP,R=F
IC	3795		Galaxy
	Feb 25 2004 31"	17mmT4	PF,MS,EL,SMWHT BM,R=F
IC	3852		Galaxy SBc
	Mar 17 2007 31"	17mmT4	VF,MS,EDGE ON,UB,NND,PAIR=MAC,R=P
IC	3862		Galaxy Double System
	Mar 17 2007 31"	17mmT4	VF,MS,OVAL,PATCH,UB,NND,R=P
IC	3879		Galaxy S
	Feb 17 2004 31"	17mmT4	PF,MS,PATCH,UB,NND,F* OFF ONE SIDE,R=F
IC	3916		Galaxy S
	Feb 17 2004 31"	17mmT4	PF,MS,OVAL,VFNUC,SMWHT BM,R=P
IC	4028		Galaxy SABc:
	May 13 2021 36"	17mmT4	VF,PS,PATCH,NND,R=PF
IC	4043		Galaxy Sc-Irr
	May 13 2021 36"	17mmT4	EF,VS,EL,UB,AV FIRST THEN HOLDS,R=P

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IC 4049		Galaxy S0?
May 13 2021 36"	17mmT4	MB,PS,OVAL,BSNUC,SHISB,MHISB CNTR,R=F
IC 4056		Galaxy SBb-c
May 13 2021 36"	17mmT4	VF,VS,OVAL,VFSNUC,R=PF
IC 4062		Galaxy SB
May 13 2021 36"	17mmT4	VF,VS,PATCH,NND,CLOSE TO N4064,R=PF
IC 4064		Galaxy S0
May 13 2021 36"	17mmT4	PB,ML,OVAL-R,BLNUC,SHISB,MHISB CNTR,SOME GRAN HALO,PAIR=IC4062,R=G
IC 4065		Galaxy S
May 13 2021 36"	17mmT4	PF,MS,OVAL,UB,NND,R=F
IC 4067		Galaxy S
May 13 2021 36"	17mmT4	VF,VS,OVAL,NND,PAIR=IC4073,R=PF
IC 4073		Galaxy S
May 13 2021 36"	17mmT4	PF,PS,PATCH,FLNUC,PAIR=IC4067,R=F
IC 4182		Galaxy SA(s)m
Apr 10 2023 36"	17mmT4	DIF,VF,ML,OVAL-R,AV FIRST THEN HOLDS,R=P
IC 4271		Galaxy S
Mar 17 2007 31"	17mmT4	MF,MS,R,UB,NND,R=F
IC 4300		Galaxy
May 13 2021 36"	17mmT4	VF,PS,R,FLNUC,PAIRS=IC4302,IC4301,R=F
IC 4301		Galaxy S
May 13 2021 36"	17mmT4	VF,PS,OVAL,FLNUC,PAIRS=IC4302/IC4300,R=F
IC 4302		Galaxy Scd:
May 13 2021 36"	17mmT4	EF,PS,EL-EDGE ON,UB,NND,LISTED 17,5 MAG,AT ZENITH,PAIRS=IC4300/IC4301,R=P
IC 4304		Galaxy Sab
May 13 2021 36"	17mmT4	MB,ML,EL,BLNUC,F* OFF EDGE,MHISB CNTR,PAIRS=IC4305/IC4306,R=G
IC 4305		Galaxy E5
May 13 2021 36"	17mmT4	MB,ML,OVAL,BLNUC,F* OFF EDGE,MHISB CNTR,PAIRS=IC4304/IC4306,R=G
IC 4306		Galaxy L
May 13 2021 36"	17mmT4	MF,MS,EL,FLNUC,PAIRS=IC4304/IC4305,R=FG
IC 4355		Galaxy Sa
May 13 2021 36"	17mmT4	MF,MS,R,UB,NND,SHISB,R=F

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IC 4356		Galaxy C
Mar 17 2007 31"	17mmT4	MF,PS,PATCH,UB,NND,PAIR=MAC,R=F
IC 4357		Galaxy S?
May 13 2021 36"	17mmT4	MF,ML,OVAL,UB,NND,R=F
IC 4369		Galaxy S?
Jun 01 2008 31"	17mmT4	VF,VS,OVAL,VFSNUC,GOOD HICKSON CL,R=P
IC 4370		Galaxy S
Jun 01 2008 31"	17mmT4	MB,PS,EL,FLNUC,TOUCH=IC4371,GOOD HICKSON CL,R=F
IC 4371		Galaxy Sa
Jun 01 2008 31"	17mmT4	MB,PS,EL,BLNUC,VMBM,TOUCH=IC4370,GOOD HICKSON CL,R=F
MAC 1207+4310		Galaxy
Feb 25 2004 31"	17mmT4	EDIF,EF,VS,PATCH,AV,PAIRS/4118/4117,R=P
MAC 1209+3846		Galaxy
Feb 25 2004 31"	17mmT4	EDIF,EF,PS,PATCH,AV,PAIR=IC3022,R=P
MAC 1243+4057		Galaxy
Feb 17 2004 31"	17mmT4	VF,PS,PATCH,NND,PAIR=4655,R=P
MAC 1246+4032		Galaxy
Feb 25 2004 31"	17mmT4	VF,VS,EL,PATCH,NND,PAIR=IC3778,R=P
MAC 1250+4745		Galaxy
Mar 17 2007 31"	17mmT4	PF,PS,EL,NND,TOUCH=MAC,CANNOT SPLIT,BOTH APPEAR AS ,EL BAR,R=F
MAC 1250+4746		Galaxy
Mar 17 2007 31"	17mmT4	PF,PS,EL,NND,TOUCH=MAC,CANNOT SPLIT,BOTH APPEAR AS ,EL BAR,R=F
MAC 1251+4742		Galaxy
Mar 17 2007 31"	17mmT4	VF,PS,PATCH,UB,NND,PAIR=4741,R=P
MAC 1252+3544		Galaxy
Mar 17 2007 31"	17mmT4	VF,PS,R,UB,NND,PAIR=IC3852,R=P
MAC 1255+3837		Galaxy
Feb 17 2004 31"	17mmT4	VDIF,EF,VS,PATCH,R=P
MAC 1255+4830		Galaxy
Mar 17 2007 31"	17mmT4	EF,VS,PATCH,AV,SUSP,PAIRS=PGC44052/PGC44094,R=P
MAC 1256+4815		Galaxy
Mar 17 2007 31"	17mmT4	EF,PS,PATCH,UB,NND,LOC IN BARRON FOV,PAIRS=4837,PGC44198/MAC'S,R=P

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MAC 1256+4818		Galaxy
Mar 17 2007 31"	17mmT4	MF,PS,OVAL,VFSNUC,INTRACT=4837,CAN DETECT BOTH NUC,R=F
MAC 1302+5119		Galaxy
Apr 14 2004 31"	17mmT4	VF,ES,PATCH,PAIR=4938,R=P
MAC 1310+4953		Galaxy
Apr 14 2004 31"	17mmT4	EF,VS,PATCH,PAIR=PGC45737,R=P
MAC 1311+3142		Galaxy
Mar 17 2007 31"	17mmT4	VF,MS,EL,PATCH,UB,NND,R=P
MAC 1313+5113A		Galaxy
Apr 14 2004 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=5040,R=P
MAC 1315+4205		Galaxy
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,NND,IN HALO OF 5055,R=P
MAC 1320+3305A		Galaxy
Apr 02 2021 36"	17mmT4	PF,MS,OVAL-R,FLNUC,PAIR=N5096/OTHERS,R=F
MAC 1330+3116		Galaxy
Mar 17 2007 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=PGC'S,R=P
MAC 1333+3457		Galaxy
Feb 15 2004 31"	17mmT4	DIF,VF,MS,PATCH,UB,NND,R=P
MAC 1334+3114		Galaxy
Mar 17 2007 31"	17mmT4	EF,PS,PATCH,AV,PAIR=PGC47813,R=P
MAC 1334+3436		Galaxy
Feb 15 2004 31"	17mmT4	VF,PS,PATCH,NND,PAIRS=5223/MAC,R=P
MAC 1334+3437		Galaxy
Feb 15 2004 31"	17mmT4	VF,PS,PATCH,NND,PAIRS=5223/MAC,R=P
MAC 1334+3444		Galaxy
Feb 15 2004 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=PGC47795,R=P
MAC 1334+3455		Galaxy
Feb 15 2004 31"	17mmT4	MF,MS,EL,FSNUC,THIS IS THE BMAC SEEN TODATE,R=F
MAC 1335+3447		Galaxy
Feb 15 2004 31"	17mmT4	PF,PS,EL,FSNUC,PAIR=PGC47989,R=F
MAC 1338+3102		Galaxy
Feb 15 2004 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=MAC,R=P

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MAC 1339+3059		Galaxy	
Feb 15 2004 31"	17mmT4	PF,PS,PATCH,UB,NND,COMP=5259,R=F	
MAC 1339+3100		Galaxy	
Feb 15 2004 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=MAC,R=P	
MAC 1340+3852		Galaxy	
Feb 15 2004 31"	17mmT4	PF,PS,PATCH,UB,NND,R=F	
MAC 1342+2813A		Galaxy	
Feb 04 2005 31"	17mmT4	VF,VS,PATC,UB,NND,ON OUTSIDE EDGE OF M3,R=P	
Feb 15 2004 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR WITH M3,R=P	
MAC 1342+2813B		Galaxy	
Feb 15 2004 31"	17mmT4	EF,ES,PATCH,UB,AV,PAIR WITH M3,R=P	
MAC 1342+2951B		Galaxy	
Feb 15 2004 31"	17mmT4	EF,PS,PATCH,UB,NND,AV,R=P	
MAC 1342+2952		Galaxy	
Feb 15 2004 31"	17mmT4	EF,PS,PATCH,UB,NND,PAIR=PGC48566,R=P	
MAC 1343+2823		Galaxy	
Feb 04 2005 31"	17mmT4	EF,VS,PATCH,NND,AV,ON OUTSIDE EDGE OF M3,R=P	
MAC 1358+3729		Galaxy	
Mar 17 2007 31"	17mmT4	EF,VS,PATCH,NND,PAIR=IC4356,R=P	
MAC 1401+3332		Galaxy	
Mar 17 2007 31"	17mmT4	PF,MS,EL,CANNOT SPLIT,COMP=MAC,R=P	
MAC 1401+3332A		Galaxy	
Mar 17 2007 31"	17mmT4	PF,MS,EL,CANNOT SPLIT,COMP=MAC,R=P	
NGC 4109		Galaxy Sa?	VF,4111NNF6'
Apr 10 2023 36"	17mmT4	MF,MS,EL-OVAL,LFNUC,SHISB,PAIR=N4111,R=F	
Feb 25 2004 31"	17mmT4	MF,MS,OVAL,PATCH,SBM,PAIR=4111,R=F	
NGC 4111		H195-1 Galaxy SA(r)0+: sp	VB,PS,ME151
Apr 10 2023 36"	17mmT4	VB,VL,EDGE ON,LBNUC,HISB,DUST LANE DET,VMBM,CNTR BULGE,MHISB ARMS,GRAN,EDGES TAPERED,PAIR=N4109,EXCEL PAIR,R=E	
Feb 25 2004 31"	17mmT4	VB,PL,EDGE ON,BNUC,HISB CNTR,CNTR BULGE,TAPERED ENDS,PAIR=4109,R=E	
Feb 12 1983 12.5"	24mm	PB,VS,EDGE ON,BNUC,B* CLOSE BY,F* BET GLXY AND B*,TAPERED ENDS	
NGC 4117		H708-3 Galaxy S0^:	VF,VS
Apr 10 2023 36"	17mmT4	MB,MS,OVAL,LBNUC,GMBM,HISB MID,SHISB HALO,PAIR=N4118,R=F	
Feb 25 2004 31"	17mmT4	MB,MS,OVAL,BSNUC,MHISB CNTR,PAIRS/4118/MAC,R=G	

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NGC 4118		Galaxy S0+?	EF,VS,1'S OF 4117
Apr 10 2023 36"	17mmT4	VF,PS,PATCH,NND,PAIR=N4117,R=P	
Feb 25 2004 31"	17mmT4	DIF,VF,MS,PATCH,UB,NND,PAIRS/4117/MAC,R=F	
NGC 4135		Galaxy SAB(s)bc?	VF,PS,R,2F*INV
Feb 25 2004 31"	17mmT4	MF,MS,R,FLNUC,SHISB CNTR,PAIRS/4137/PGC38629,R=F	
NGC 4137		Galaxy SB(rs)c?	VF,PS,R,FAINTER SP1
Feb 25 2004 31"	17mmT4	MF,PL,PATCH,UB,NND,PAIRS/4135/PGC38629,R=F	
NGC 4138		H196-1 Galaxy SA(r)0+	B,PL,E,VGBM,*NP
Mar 22 2004 12.5"	12mmT4	PB,ML,EL,BLNUC,SHISB,GMBM,HISB CNTR,R=E	
Feb 25 2004 31"	17mmT4	VB,PL,OVAL,BSNUC,SHISB,SPR STR SUSP,HISB CNTR,GMBM,R=E	
NGC 4143		H54-4 Galaxy SAB(s)0^	CB,R,VG,VSBMN
Feb 12 1983 12.5"	16mm	MB,PS,EL,BNUC,SBM,TAPERED	
Jan 26 1982 12.5"	16mm	PB,ML,BNUC,NUC DET,VMBM	
Jul 05 1980 12.5"	24mm		
NGC 4145		H169-1 Galaxy SAB(rs)d	B,VL,VGLBM
Jan 26 1982 12.5"	24mm	VDIF,NND,PATCHY,UB,SOME *S IN GLXY SUSP	
NGC 4148		Galaxy S0+	F,S,*12SF
Feb 25 2004 31"	17mmT4	PF,MS,R,FLNUC,R=F	
NGC 4151		H165-1 Galaxy (R')SAB(rs)ab:	VB,S,R,VSMBMBN,P OF2
Feb 25 2004 31"	17mmT4	VB,VL,OVAL,VBSNUC,2*S IN ARMS,HISB CNTR,GMBM,L AREA OF ARMS,R=E	
Jan 26 1982 12.5"	16mm	DIF,MB,PS,BNUC,*NW SIDE,VMBM,R HALO SUR NUC	
NGC 4156		H642-2 Galaxy SB(rs)b	PF,S,E,VGBM,F OF 2
Feb 25 2004 31"	17mmT4	MF,ML,OVAL,FSNUC,PAIR=4151,R=F	
NGC 4163		H399-3 Galaxy IAm	VF,PL,VLE,R
Mar 07 2021 36"	17mmT4	MF,ML,OVAL-R,NND,R=FG	
NGC 4183		H697-3 Galaxy SA(s)cd? sp	VF,CL,ME170
Jan 26 1982 12.5"	16mm	DIF,PF,ML,EDGE ON,13* S EDGE,NND,UB	
NGC 4187		H813-2 Galaxy E	PB,S,LE
Apr 23 2003 12.5"	9mmT6	PF,PS,OVAL-R,PATCH,FNUC,1 OF 4 COMP,R=F	
NGC 4187B		Galaxy	
Apr 23 2003 12.5"	9mmT6	EEDIF,EF,ES,PATCH,AV,SUSP,2 OF 4 COMP,R=P	
NGC 4187C		Galaxy	
Apr 23 2003 12.5"	9mmT6	EDIF,VF,VS,PATCH,UB,AV,SUSP,3 OF 4 COMP,R=P	

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NGC 4190 Jan 26 1982 12.5" 16mm	H409-2 VDIF,VF,PL,EDGE ON,NND,UB	Galaxy Im pec	CF,PS,R,VGLBM,R
NGC 4214 Jan 26 1982 12.5" 16mm Jul 05 1980 12.5" 24mm	H95-1 PB,PL,EL2F*S OFF TO NE,1*(14MAG)N 1 GLXY DIA,VHISB ALONG EQ,OVAL	Galaxy IAB(s)m	CB,CL,IE,BIN
NGC 4217 Jan 26 1982 12.5" 16mm Mar 27 1981 12.5" 24mm	H748-2 VDIF,MF,MS,EDGE ON,HISB,3*S IN PLANE OF GLXY,SEEMS TO BE A HOOK IN S ARM	Galaxy Sb sp	PF,L,ME45,**N,P OF 2
NGC 4218 Mar 07 2021 36" 17mmT4	H718-3 MB,ML,OVAL,UB,NND,MHISB,R=G	Galaxy Sa?	VF,VS
NGC 4220 Jan 26 1982 12.5" 16mm Jan 26 1982 12.5" 24mm	H209-1 MB,VL,BNUC,F HALO,F*NE EDGE,SMWHT OVAL,BM, NICE!!,PAIR/4217	Galaxy SA(r)0+	CB,PL,PME134,PSBM
NGC 4227 Feb 27 1982 12.5" 16mm	H518-2 VF,VS,FNUC,F*N EDGE,R,SBM,CLOSE PAIR/4229	Galaxy SAB0^:	F,VS,VLE,PSBM,SP OF2
NGC 4229 Feb 27 1982 12.5" 16mm	H519-2 EDIF,EF,VS,*NUC SUSP,OVAL,CLOSE PAIR/4227	Galaxy S?	CF,VS,LE,PSBM,NF OF2
NGC 4231 Mar 22 2004 12.5" 12mmT4	H719-3 DIF,VF,MS,PATCH,UB,NND,COMP=4232,PAIRS=4248/M106,R=F	Galaxy SA0+ pec?	VF,VS,N OF DNEB
NGC 4232 Mar 22 2004 12.5" 12mmT4	H720-3 DIF,VF,MS,PATCH,UB,NND,COMP=4231,PAIRS=4248/M106,R=F	Galaxy SBb pec:	VF,VS,S OF DNEB
NGC 4242 Jan 26 1982 12.5" 24mm	H725-3 VDIF,MF,VL,OVAL,NND,* IN E SIDE ~11MAG,PATCHY	Galaxy SAB(s)dm	VF,CL,IR,VGBM,R
NGC 4244 Jan 26 1982 12.5" 24mm Oct 31 1980 12.5" 24mm	H41-5 PB,VL,EDGE ON,* ON N TIP,NND,HISB,UB,TAPERED AT BOTH ENDS	Galaxy SA(s)cd: sp	PB,VL,EE43,VGBM
NGC 4248 Mar 08 2010 31" 17mmT4 Mar 22 2004 12.5" 12mmT4	H742-2 MB,ML,PATCH,UB,NND,IRR IN SHAPE,* IN EDGE,R=G PF,MS,OVAL,PATCH,UB,NND,F* IN GLXY BY NUC,PAIRS=M106/4231/4232,R=F	Galaxy I0? sp	VF,S,PME,PSBM
NGC 4258 Mar 08 2010 31" 17mmT4 Mar 19 2004 12.5" 12mmT4 Mar 02 1984 10" 20mm Jan 26 1982 12.5" 16mm Mar 27 1981 12.5" 24mm	M106 H43-5 VB,VL,OVAL,HISB CNTR,EL NUC,GMBM,SPRIAL ARMS,SPR STR,DUST DET,R=EE MESSIER MARATHON 2004 SAME VB,VL,BNUC,F HALO,* ON NW EDGE,OVAL,4217 TO W 1 GLXY DIA MESSIER MARATHON 1981	Galaxy Sb	VB,VL,VME0,SBMBN

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NGC 4258	M106	H43-5	Galaxy Sb	VB,VL,VME0,SBMBN
Oct 31 1980	12.5"	24mm		
Jul 05 1980	12.5"	24mm		
May 07 1980	5"	9mm		
NGC 4288		H726-3	Galaxy SB(s)dm	VF,PS,R,VGBM,R
Mar 07 2021	36"	17mmT4	MB,PL,UB,NND,SHISB,PATCHY,SOME BKN PARTS,PGC39841	CLOSE BY,R=G
NGC 4346		H210-1	Galaxy S0 sp	VF,S,ME100,VSBMBN
Jan 26 1982	12.5"	16mm	DIF,MF,VS,DIM NUC,OVAL,VMBM	
Mar 27 1981	12.5"	24mm		
NGC 4357		H743-2	Galaxy SAbc	F,PS,GBM,(=4381)
Mar 07 2021	36"	17mmT4	MB,ML,OVAL,VFNUC,SHISB,GRAN,SPR STR?,R=G	
NGC 4369		H166-1	Galaxy (R)SA(rs)a	CB,S,R,MBMN,R
Jan 26 1982	12.5"	16mm	DIF,MF,PS,DNUC,*S SVRL GLXY DIA,R,MBM,NUC DET,DIF HALO SUR NUC	
NGC 4389		H749-2	Galaxy SB(rs)bc pec:	PB,PL,IE,VGLBM
Mar 07 2021	36"	17mmT4	VB,VL,EL-EDGE ON,BAR NUB,HISB,BAR ACROSS CNTR PLANE,GRAN HALO,R=GE	
Jan 26 1982	12.5"	16mm	DIF,F*SE,MHISB,OVAL,MF,PS,EL,NND	
NGC 4392		H729-3	Galaxy C	CF,S,R,VGBM
Mar 07 2021	36"	17mmT4	MB,MS,OVAL-R,BSNUC,HISB CNTR,GBM,R=FG	
NGC 4395		H29-5	Galaxy SA(s)m:	EF,VL,NP OF DNEB
Mar 22 2004	12.5"	12mmT4	VDIF,EF,EL,PATCH,UB,NND,BKN PATCHES DET,R=P	
Jan 28 1982	12.5"	24mm	NO FIND	
NGC 4449		H213-1	Galaxy IBm	VB,CL,ME,DORBIFID,*F
Jan 28 1982	12.5"	16mm	DIF,PB,PL,EL,FNUC,F* IN W EDGE NEAR NUC,HISB,GMBM,F* FURTHER W	
Jan 28 1982	12.5"	7mm	*NUC,ANOTHER F* JUST W OF NUC	
NGC 4460		H212-1	Galaxy SB(s)0+? sp	B,PL,E123,PSBM
Mar 17 2007	31"	17mmT4	VB,VL,EL,BLNUC,HISB CNTR,CNTR THICKNESS,R=E	
Jan 28 1982	12.5"	16mm	DIF,PF,MS,EL,FNUC,SBM	
NGC 4485		H197-1	Galaxy IB(s)m pec	B,PS,IR,NP OF 2
Jan 28 1982	12.5"	16mm	EDIF,PF,PS,EDGE ON,UB,INTRACT WITH 4490	
Mar 27 1981	12.5"	24mm		
NGC 4490		H198-1	Galaxy SB(s)d pec	VB,VL,ME130,R,SF OF2
Jan 28 1982	12.5"	16mm	DIF,PB,PL,EL,BNUC,GBM,INTRACT WITH 4485,SN DISCOVERED 8/10/82	
Mar 27 1981	12.5"	24mm		
Oct 31 1980	12.5"	24mm		
NGC 4534		H410-2	Galaxy SA(s)dm:	CF,L,LE,VGLBM,R

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NGC 4534 Mar 09 2021 36"	17mmT4	H410-2 MB,ML,EL-OVAL,UB,NND,SHISB,R=FG	Galaxy SA(s)dm:	CF,L,LE,VGLBM,R
NGC 4537 Mar 04 2006 31"	17mmT4	MF,PS,OVAL,PATCH,FSNUC,PAIR=4542,R=F	Galaxy S	EEF,S,R,NEARLYBET2ST
NGC 4542 Mar 04 2006 31"	17mmT4	MF,MS,OVAL,BLNUC,MHISB CNTR,PAIR=4537,R=G	Galaxy S	EF,PL,R
NGC 4583 Mar 09 2021 36"	17mmT4	MF,MS,OVAL,BLNUC,SHISB,MHISB CNTR,R=FG	Galaxy SBa	CF,S,LE,BM
NGC 4617 Mar 04 2006 31"	17mmT4	MB,MS,EDGE ON,UB,NND,MHISB,CIGAR SHAPE,* OFF NUC,R=G	Galaxy Sb	PF,S,IR,ER
NGC 4618 Feb 17 2004 31" Jan 28 1982 12.5" Mar 27 1981 12.5"	17mmT4 16mm 24mm	PB,VL,SHISB,IRR,2 HALVES,APP AS 2 GLXY SIDE BY SIDE,ONE HALF BTR,PAIR=4625,R=E MF,PL,OVAL-R,COMP TO N (4625),SBM,B* TO S,APPEARS TO BE 2 GLXY OR DARK LANE	Galaxy SB(rs)m	B,L,E,MBM,CVDBRANCHN
NGC 4619 Mar 09 2021 36"	17mmT4	MB,ML,OVAL,BSNUC,SHISB,MHISB CNTR,B* CLOSE BY,R=G	Galaxy SB(r)b pec?	F,PS,R,LBM,*8,9F
NGC 4625 Feb 17 2004 31" Jan 28 1982 12.5"	17mmT4 16mm	PB,PL,R,BLNUC,MHISB CNTR,PAIR=4618,R=E EDIF,VF,VS,* TO S,PATCHY,NND,PAIR/4618	Galaxy SAB(rs)m pec	PF,S,R
NGC 4627 Mar 17 2007 31"	17mmT4	VB,PL,OVAL-R,LNUC,SHISB,L PATCHY NUC,PAIR=4631,R=G	Galaxy E4 pec	F,S,R,NP OF 2
NGC 4631 Mar 17 2007 31" Jan 28 1982 12.5"	17mmT4 12mm	EB,EL,EL,HISB,ONE SIDE THICKER,MILKY,BH2 RGN,DUST,F* OFF NUC/TIP,R=E VB,VL,EDGE ON,* N OF NUC,F* W TIP,MHISB,PATCHES DET IN EQ PLANE	Galaxy SB(s)d sp	VB,VL,EE70,BMN,*ATTN
NGC 4655 Feb 17 2004 31"	17mmT4	MF,MS,OVAL,FLNUC,PAIR=MAC,R=F	Galaxy S	VF,VS,STELLAR,*15F
NGC 4656 Mar 09 2021 36" Jan 28 1982 12.5"	17mmT4 16mm	VB,EL,EDGE ON,BLNUC,MHISB,INTRACT=N4657,HOOK AT END ONE SIDE,SLT CNTR BULGE,* IN NUC,ONE SIDE BTR THAN SIDE,ONE SIDE VF,R=EE MF,PL,EDGE ON,*S SUR N TIP,S ARM SLT BULKIER AND BIGGER,MHISB	Galaxy SB(s)m pec	PB,L,VME34,SP OF 2
NGC 4657 Mar 09 2021 36"	17mmT4	MB,ML,EL,UB,NND,MHISB,INTRACT=N4656,E PAIR,THIS IS THE HOOK IN 4656,R=FG	Galaxy SBm	PF,L,E90,NF OF 2
NGC 4662 Mar 09 2021 36"	17mmT4	MF,MS,OVAL,FSNUC,SHISB,R=F	Galaxy SB(rs)bc	PF,PL,R,GBM,R

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NGC 4687		Galaxy E1	VF,VS,R,PSBM
Feb 25 2004 31"	17mmT4	MF,MS,FLNUC,SBM,SHISB CNTR,R=F	
NGC 4704		H662-2 Galaxy SB(rs)bc pec	CF,S,R,GBM
Mar 09 2021 36"	17mmT4	MF,MS,PATCH,UB,NND,SHISB,R=F	
NGC 4707		H815-3 Galaxy Sm:	S,STELLAR
Mar 04 2006 31"	17mmT4	DIF,VF,ML,OVAL-R,VBSNUC,BM,*NUC,F PATCH SUR NUC,R=F	
NGC 4711		H412-2 Galaxy Sb:	F,S,E,GLBM,ER
Feb 25 2004 31"	17mmT4	MF,PL,PATCH,UB,NND,IRR,R=G	
NGC 4719		H424-3 Galaxy SB(s)b	VF,STELLAR
Mar 09 2021 36"	17mmT4	MB,PS,EL-OVAL,BSNUC,SHISB,MHISB CNTR,R=FG	
NGC 4736	M94	Galaxy (R)SA(r)ab	VB,L,IR,VSVMBMBN,R
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Feb 17 2004 31"	17mmT4	EB,EL,R,EBNUC,MHISB,SPR ARMS,HISB CNTR,BEST TO DATE,M94,R=E	
Mar 02 1984 10"	20mm	SAME	
Jan 28 1982 12.5"	16mm	VB,ML,BNUC,HISB,ARMS,R	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Oct 31 1980 12.5"	24mm		
Jul 05 1980 12.5"	24mm		
Apr 16 1980 6"	24mm		
NGC 4737		H496-3 Galaxy Sab	EF,VS,PME
Mar 09 2021 36"	17mmT4	MF,EL-OVAL,BSNUC,SHISB,MBM,R=FG	
NGC 4741		H721-3 Galaxy Scd:	VF,S,R,PSBM
Mar 17 2007 31"	17mmT4	MB,MS,OVAL,VFSNUC,PAIR=MAC,R=G	
NGC 4774		H618-3 Galaxy Ring:	EF,CS,R,BM
Mar 09 2021 36"	17mmT4	PF,PS,EL,UB,NND,R=F	
NGC 4800		H211-1 Galaxy SA(rs)b	PB,CS,R,PSBM,*14P
Jan 28 1982 12.5"	16mm	DIF,MF,PS,FNUC,* ON W SIDE,OVAL,MBM	
NGC 4834		H817-3 Galaxy Sbc	VF,S,IR,BM
Mar 17 2007 31"	17mmT4	MF,MS,OVAL,FLNUC,SHISB,GMBM,R=F	
Mar 04 2006 31"	17mmT4	MF,MS,OVAL,LNUC,MHISB CNTR,SBM,R=F	
NGC 4837		Galaxy Pec	(NEB)
Mar 17 2007 31"	17mmT4	MB,ML,EL-EDGE ON,VFSNUC,SHISB,INTRACT=MAC,2 NUC DET,PAIRS=OTHERS,R=G	
NGC 4861		H30-4 Galaxy SB(s)m:	VF,PL,VME30,BET2ST
Jan 28 1982 12.5"	16mm	VDIF,VF,PS,EDGE ON,*S BOTH N AND S ENDS,NND	

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NGC 4868		H644-2	Galaxy SAab?	PB,S,R,MBM
Jan 28 1982	12.5"	16mm	EDIF,PF,VS,* ON N BORDER,* IN S PART SUSP,OVAL,NND	
NGC 4893			Galaxy Sb	VF,*2OSP,*17NF
May 13 2021	36"	17mmT4	MF,ML,EL-OVAL,FLNUC,BET 2*S,PATCHY,SOME BKN PARTS?,R=F	
NGC 4901			Galaxy S	PF,S,R,GBM
May 13 2021	36"	17mmT4	MF,MS,OVAL,FLNUC,R=F	
NGC 4914		H645-2	Galaxy E	PB,CS,R,SMBM,*17NP
May 13 2021	36"	17mmT4	VB,PL,OVAL,BLNUC,MHISB,SMWHT TAPERED ENDS,HISB CNTR,GRAN ARMS,PAIR=N4916,R=G	
Jan 28 1982	12.5"	16mm	EEDIF,VF,PS,OVAL,SMB	
NGC 4916			Galaxy	NEB,NF 4914,()
May 13 2021	36"	17mmT4	EF,ES,PATCH,*NUC,AV HOLDS,PAIR=N4912,R=P	
NGC 4932		H818-3	Galaxy SA(r)c	CF,S,R,VGLBM
Apr 14 2004	31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,SHISB,R=F	
NGC 4938			Galaxy S?	EF,R,PSBM
Apr 14 2004	31"	17mmT4	MF,MS,OVAL,FSNUC,PAIR=MAC,R-F	
NGC 4956		H413-2	Galaxy S0	PB,CS,R,SMBM
Mar 22 2004	12.5"	12mmT4	R,BLNUC,SBM,SHISB CNTR,R=F	
NGC 4963		H663-2	Galaxy S?	F,VS,R,STELL,VS*S
Apr 02 2021	36"	17mmT4	PB,MS,R,BLNUC,HISB,GRAN HALO,R=G	
NGC 4985		H654-3	Galaxy S0	VF,VS,R,LBM
Apr 02 2021	36"	17mmT4	MB,MS,OVAL,BLNUC,F GRAN HALO,MHISB CNTR,R=FG	
NGC 4986		H401-3	Galaxy SB(r)b	VF,S,R,STELLAR
Apr 02 2021	36"	17mmT4	MB,MS,OVAL,BSNUC,MHISB,* IN GLXY NEXT TO NUC,SN?,R=FG	
NGC 4987		H815-2	Galaxy E	VF,VS,STELLAR
Apr 14 2004	31"	17mmT4	MF,MS,OVAL,BSNUC,BM,PAIRS=PGC45564/PGC45520,R=F	
NGC 4998		H819-3	Galaxy Sc	VF
Apr 14 2004	31"	17mmT4	MF,MS,OVAL,FLNUC,UNKNOWN COMP 3,6' TO S,R=F	
NGC 5003		H655-3	Galaxy Sa	VF,PS,LBM,
Apr 02 2021	36"	17mmT4	MB,MS,OVAL,FLNUC,R=F	
NGC 5005		H96-1	Galaxy SAB(rs)bc	VB,VL,VME66,VSBMN
Jan 28 1982	12.5"	16mm	MB,ML,BNUC,SLENDER SHAPE,DIF HALO	
NGC 5009		H820-3	Galaxy SBb	VF,R,BET2VS*

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NGC 5009		H820-3	Galaxy SBb	VF,R,BET2VS*
Apr 14 2004	31"	17mmT4	MF,PS,OVAL,PATCH,UB,NND,R=F	
NGC 5014		H414-2	Galaxy Sa? sp	PF,S,E,PSBM
Apr 02 2021	36"	17mmT4	PB,ML,EL-EDGE ON,BLNUC,MHISB,HISB CNTR,BEQ RGN,SOME BKN PARTS SUSP,R=G	
NGC 5023		H664-2	Galaxy Scd: sp	PF,L,ME20,VLBM
Jan 28 1982	12.5"	16mm	VDIF,VF,MS,V EDGE ON,SPIKE LIKE	
NGC 5025		H649-3	Galaxy Sb	VF,S,LE,*13N
Apr 02 2021	36"	17mmT4	PB,ML,EL-EDGE ON,LNUC,SHIISB,TAPERED,* IN EDGE,GMBM,MHISB CNTR,R=G	
NGC 5033		H97-1	Galaxy SA(s)c	VB,PL,E167,SMBMVB
Jan 28 1982	12.5"	16mm	PF,PS,BNUC,F* IN NW TIP,MUCH BM	
NGC 5040		H816-2	Galaxy S	F,S,IR,VGMBM
Apr 14 2004	31"	17mmT4	MF,PS,R,BNUC,PAIR=MAC,R=F	
NGC 5055	M63		Galaxy SA(rs)bc	VB,L,PME120,VSMBMBN
Apr 10 2023	36"	17mmT4	EF,EL,SBNUC,HISB,V TIGHT HISB MID,MHISB ARMS,SPR STR,GRAN,BEST TO DATE,R=EE	
Mar 16 2010	31"	17mmT4	EB,VL,OVAL,VBSNUC,PATCHY AREAS IN ARMS,SUDLY MBM,HISB HALO SUR NUC,SPR EFFECT SUR NUC,MAC IN HALO,R=E	
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 02 1984	10"	20mm	SAME	
Jan 28 1982	12.5"	16mm	PB,PL,EL,BNUC,VMBM,DIF HALO,B* OFF W SIDE	
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Oct 31 1980	12.5"	24mm		
Jul 05 1980	12.5"	24mm		
Apr 16 1980	6"	24mm		
NGC 5074		H309-3	Galaxy SAb pec?	EF,VS
Jan 28 1982	12.5"	16mm	NO FIND	
NGC 5093		H633-3	Galaxy Sa	VF,S,R,LBM
Apr 02 2021	36"	17mmT4	PB,ML,OVAL,LNUC,MHISB,GMBM,R=FG	
NGC 5096		H650-3	Galaxy E0	VF,CS,R,BM,SP OF 2
Apr 02 2021	36"	17mmT4	MB,ML,FSNUC,TOUCH=N5098,CAN JUST BARELY SEP THE TWO,PAIR=OTHERS,R=F	
NGC 5098			Galaxy	VF,S,BET2*,NF OF 2
Apr 02 2021	36"	17mmT4	PF,VL,FSNUC,TOUCH=N5096,CAN JUST BARELY SEP THE TWO,PAIR=OTHERS,R=F	
NGC 5103		H665-2	Galaxy S?	PB,CS,E
Jan 28 1982	12.5"	16mm	DIF,PF,PS,B*N,F*NE,SBM,MHISB	
NGC 5107		H619-3	Galaxy SB(s)d? sp	VF,S,CE0
Jan 28 1982	12.5"	16mm	VDIF,EF,ES,EL,NND	

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NGC 5107		H619-3	Galaxy SB(s)d? sp	VF,S,CE0
Jan 28 1982	12.5"	24mm	EASIER TO DETECT THAN IN 16MM	
NGC 5112		H646-2	Galaxy SB(rs)cd	F,L,IR,VGLBM
Jan 28 1982	12.5"	16mm	EDIF,VF,MS,* ON E EDGE,OVAL,B BAR OR PART SUSP,PAIR/5107	
NGC 5123		H666-2	Galaxy Scd:	PF,S,R,GMBM
Jan 28 1982	12.5"	16mm	VDIF,VF,VS,VF* OFF TO E,PATCHY,R,NND	
NGC 5127		H328-2	Galaxy E pec	PB,PL,R,GMBM,**P
Apr 02 2021	36"	17mmT4	VB,PL,OVAL,BLNUC,MHISB,GRAN HALO SUSP,HISB CNTR,MBM,PAIR=PGC46796,R=G	
NGC 5141		H402-3	Galaxy S0	CF,CS,R,VSMBM*,SPOF2
May 05 2021	36"	17mmT4	MB,MS,EL-OVAL,BLNUC,GRAN CNTR,HISB CNTR,PAIRS=N5142/N5143,R=G	
NGC 5142		H403-3	Galaxy S0	F,CS,R,VSMBM*,NF OF2
May 05 2021	36"	17mmT4	MB,PS,EL,BLNUC,MHISB CNTR,PAIRS=N5141/N5143,R=G	
NGC 5143			Galaxy Spiral	VF
May 05 2021	36"	17mmT4	VF,VS,PATCH,NND,PAIRS=N5141/N5142,R=PF	
NGC 5145		H667-2	Galaxy S?	PB,VS,VLE,GLBM
Jan 28 1982	12.5"	16mm	VDIF,VF,VS,PATCHY,OVAL,F*NE SVRL GLXY DIA	
NGC 5149		H404-3	Galaxy SBbc	CF,PS,E,BM,SP OF 2
Mar 21 2020	36"	17mmT4	VB,VL,OVAL,BLNUC,HSIB,F* OFF EDGE,GMBM,PAIR=5154,R=G	
NGC 5154		H405-3	Galaxy Scd:	VF,PL,R,NF OF 2
Mar 21 2020	36"	17mmT4	MF,PL,OVAL,UB,NND,PAIR=5149,R=FG	
NGC 5157		H651-3	Galaxy SAB(r)a	F,PS,VLE,BM,P OF 2
Mar 21 2020	36"	17mmT4	MB,PL,OVAL,FNUC,SHISB,VF* IN OUTER EDGE,BAR LIKE NUC,R=G	
NGC 5173		H672-3	Galaxy E0:	F,VS,R,STELLAR
Jan 28 1982	12.5"	16mm	EDIF,PS,VS,NUC COMES AND GOES,R,F*N AND S	
NGC 5187		H652-3	Galaxy S?	VF,VS,R,GLBM
Mar 17 2007	31"	17mmT4	PB,MS,R,LNUC,SHISB CNTR,R=F	
NGC 5194	M51		Galaxy SA(s)bc pec	GREAT SPIRAL NEBULA
Apr 19 2014	36"	17mmT4	EB,EEL,BLNUC,HISB,M51,INTRACT=5195,ARMS,DUST,H2 RGN,SBM,R=EE	
Apr 19 2014	36"	31mmT5	JUST ABSOLUTELY STUNNING	
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Dec 26 2003	31"	17mmT4	EB,EL,R,BSNUC,GMBM,SPRIAL ARMS DET,BEST EVER SEEN,B CNTR CORE,BH2 RGN DET,M51,R=E	
Mar 02 1984	10"	20mm	SAME	
Jan 28 1982	12.5"	16mm	DARK AREAS SEPARATE WINDING ARMS,INTRACT WITH 5195	
Jan 28 1982	12.5"	24mm	VB,VL,BNUC,BARMS,*S IN S PART,BRIDGE COMPLETE,SPR STR DET	

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NGC	5194	M51	Galaxy SA(s)bc pec	GREAT SPIRAL NEBULA
	Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981
	Dec 03 1980	12.5"	24mm	
	Oct 31 1980	12.5"	24mm	
	Jul 14 1980	12.5"	24mm	
	Jul 11 1980	12.5"	24mm	
	Jul 05 1980	12.5"	24mm	
	May 07 1980	5"	9mm	
	Apr 18 1980	6"	24mm	
	Apr 16 1980	6"	24mm	
NGC	5195	H186-1	Galaxy I0 pec	B,PS,LE,VGBM,INV-M51
	Apr 19 2014	36"	17mmT4	EB,EL,BLNUC,HISB,HALF ARMS APPEAR BTR THAN OTHER HALF,INTRACT=5194,R=E
	Apr 19 2014	36"	31mmT5	JUST ABSOLUTELY STUNNING
	Mar 16 2010	31"	17mmT4	VB,VL,OVAL,VBSNUC,HISB CNTR,SUDLY MBM,COMP=M51,SPR ARMS,BRIDGE CONNECTS TO M51,F BAR ACROSS NUC,R=E
	Jan 28 1982	12.5"	24mm	MB,ML,BNUC,OVAL,BM,INTRACT WITH M51
	Apr 16 1980	6"	24mm	
NGC	5198	H689-2	Galaxy E1-2:	PF,PS,R,MBM
	Jan 28 1982	12.5"	16mm	PF,MS,BNUC,2*S N AND W EDGE OF GLXY,R,GBM
NGC	5199	H406-3	Galaxy Compact	VF,VS,LE
	Mar 21 2020	36"	17mmT4	MB,MS,R,BSNUC,SHISB,R=FG
NGC	5214	H656-3	Galaxy Scd:	VF,S,R,LBM
	May 05 2021	36"	17mmT4	MF,ML,OVAL,UB,NND,SHISB,TOUCH PGC47679,R=F
NGC	5223	H407-3	Galaxy E	F,CS,R,*10P,P OF 2
	Feb 15 2004	31"	17mmT4	PB,PL,OVAL,BLNUC,HISB,GMBM,PAIRS=MACS,R=G
NGC	5225	H822-3	Galaxy S?	CF,PS,IR,LBM
	Feb 15 2004	31"	17mmT4	MF,MS,OVAL,BSNUC,R=F
NGC	5228	H408-3	Galaxy S0-:	VF,VS,R,F OF 2
	Feb 15 2004	31"	17mmT4	PB,ML,R,BLNUC,MHISB,R=G
NGC	5229		Galaxy SB(s)d? sp	EF,L,ME,VDIFFIC
	Feb 15 2004	31"	17mmT4	MF,VL,EDGE ON,UB,NND,CNTR THICKNESS,TAPERED ENDS,R=E
NGC	5233	H425-3	Galaxy Sab	F,S,R,VS*NR
	Feb 15 2004	31"	17mmT4	MB,MS,OVAL,BSNUC,HISB CNTR,R=G
NGC	5238	H823-3	Galaxy SAB(s)dm	CF,PL,R,VLBM
	Feb 15 2004	31"	17mmT4	DIF,PF,VL,OVAL,UB,NND,R=F
NGC	5240	H409-3	Galaxy SB(s)cd?	VF,PL,R,LBM

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NGC 5240		H409-3	Galaxy SB(s)cd?	VF,PL,R,LBM
Feb 15 2004 31"	17mmT4	PF,VL,OVAL,PATCH,UB,NND,R=G		
NGC 5243		H620-3	Galaxy S	CF,PL,E65,(BIN)
Feb 15 2004 31"	17mmT4	MF,PL,EDGE ON,PATCH,UB,NND,SHISB,R=G		
NGC 5259			Galaxy E0	VF,S,IR
Feb 15 2004 31"	17mmT4	MB,MS,OVAL,FSNUC,COMP=MAC,R=F		
NGC 5263		H370-3	Galaxy S?	CF,S,ME0,*9SP
Feb 21 2020 36"	17mmT4	MF,MS,EDGE ON,UB,NND,SHISB,R=F,TIME 3:42AM		
Jun 01 2003 12.5"	9mmT6	PB,ML,EL,UB,NND,MHISB,R=F		
NGC 5265		H410-3	Galaxy Irr	F,CS,VLE,ER
Feb 15 2004 31"	17mmT4	MF,MS,R,UB,NND,SHISB,* OFF EDGE,R=G		
NGC 5267			Galaxy SBb	F,S,R,GBM,S*NP
Feb 15 2004 31"	17mmT4	MF,MS,EL,FLNUC,MHISB CNTR,PAIR=PGC48363,R=G		
NGC 5271			Galaxy S?	VF,VS,R,GVLBM
Feb 15 2004 31"	17mmT4	PF,PS,R,FLNUC,R=F		
NGC 5272	M3		Globular	GCL,EB,VL,VSMBM,*11.
Apr 11 2015 36"	17mmT4	(Class V),EB,EL,HISB CORE RSLV,3-D LIKE,AMAZING,HUNDREDS OF *S RSLV,R=EE		
May 14 2010 31"	17mmT4	(Class III),EB,EL,HISB GLOW IN NUC,RSLV,L TIGHT CORE,HUNDREDS F*S SC SUR CORE,R=E		
Feb 04 2005 31"	17mmT4	EB,EL,RSLV TO CORE,OUTSTANDING,BEST TO DATE,PAIRS=MAC,R=E		
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Feb 15 2004 31"	17mmT4	EB,EL,M3,THOUSANDS OF *S,RSLV TO CORE,BEST TODATE,WELL PLACED,PAIRS=MAC,R=E		
Jan 28 1982 12.5"	16mm	VB,VL,RSLV TO THE CORE,HUNDREDS OF *S,LOOKS SMWHT 3-D		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
Jul 14 1980 12.5"	24mm			
Jul 11 1980 12.5"	24mm			
Jul 05 1980 12.5"	24mm			
Apr 18 1980 6"	24mm			
Apr 16 1980 6"	24mm			
NGC 5273		H98-1	Galaxy SA(s)0^	CB,PL,R,G,PSMBM
Jan 28 1982 12.5"	16mm	DIF,MF,MS,R,FSNUC,DIF HALO,PAIR/5276		
NGC 5274			Galaxy E	VF,VS,R,BM
Feb 15 2004 31"	17mmT4	PF,MS,R,FSNUC,PAIRS=5275/PGC48566,R=F		
NGC 5275			Galaxy S?	F,S,R,GMBM
Feb 15 2004 31"	17mmT4	PF,MS,R,FSNUC,PAIRS=5274/PGC48566,R=F		
NGC 5276			Galaxy SAB(s)b	F,S
Jan 28 1982 12.5"	16mm	EDIF,EF,ES,ELDET SUSPECTED		

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NGC 5277		Galaxy S?	EF,S,R,BM
Feb 15 2004 31"	17mmT4	VDIF,PF,MS,OVAL,PATCH,UB,NND,R=P	
Mar 02 1984 10"	20mm	SAME,!!!	
NGC 5280		Galaxy E?	F,VS,R,BM
Feb 15 2004 31"	17mmT4	MF,MS,R,BSNUC,PAIR=PGC48579,R=F	
NGC 5289		H668-2 Galaxy (R)SABab: sp	VF,VS,LE90,SBM
Jan 28 1982 12.5"	16mm	DIF,PF,PS,EL,*S N S E,SBM,PAIR/5290	
NGC 5290		H170-1 Galaxy Sbc: sp	CB,PL,E90,BMN
Jan 28 1982 12.5"	16mm	DIF,MF,MS,EL2B*S TO N,MHISB,CNTR BULGE DET,NND,PAIR/5289	
NGC 5297		H180-1 Galaxy SAB(s)c: sp	CB,L,PME142,GBM
Jan 28 1982 12.5"	16mm	DIF,MF,MS,MHISB,*NE AND NW,NND	
NGC 5301		H688-2 Galaxy SA(s)bc: sp	CF,L,VME
Jan 28 1982 12.5"	16mm	DIF,MF,ML,EDGE ON,2*S AT EACH TIP,NND,UB	
NGC 5303		H681-3 Galaxy Pec	PF,CS,LE,F**INV
Mar 07 2021 36"	17mmT4	PB,MS,EL-OVAL,NND,HISB,RECT SHAPE,* IN GLXY OFF NUC RGN,SN?,PAIR=PGC48920,R=G	
NGC 5305		H621-3 Galaxy SB(r)b	EF,S,R
Mar 07 2021 36"	17mmT4	MF,MS,EL,FSNUC,PAIR=PGC48926,R=F	
NGC 5311		H710-2 Galaxy S0/a	CF,CS,R,SBM,P OF 2
Jan 28 1982 12.5"	16mm	MF,PS,DNUC,SBM,PAIR/5313	
NGC 5312		H422-3 Galaxy S0/a	VF,R,STELLAR,1ST OF 4
Mar 07 2021 36"	17mmT4	MF,MS,OVAL,LNUC,SHISB,R=F	
NGC 5313		H711-2 Galaxy Sb?	PB,PS,VLE,GLBM,F OF 2
Jan 28 1982 12.5"	16mm	DIF,MF,MS,MHISB,OVAL-PATCH,NND,PAIR/5311	
NGC 5318		H423-3 Galaxy S0?	F,S,R,PSBM,2ND OF 4
Mar 07 2021 36"	17mmT4	MB,MS,OVAL,BLNUC,MHISB,PAIR=N5321/PGC49125,R=FG	
NGC 5319		Galaxy Spiral	VF,R,N OF 5318,3RDOF 4
Mar 07 2021 36"	17mmT4	EF,VS,PATCH,UB,NND,AV HOLDS,PGC CLOSE BY IS BTR,CAN'T BELIEVE THIS IS AN NGC,R=P	
NGC 5320		H669-2 Galaxy SAB(rs)c:	CF,PL,R,GBM
Jan 28 1982 12.5"	16mm	EDIF,MF,MS,OVAL,NND,UB	
NGC 5321		Galaxy S0/a	EF,PL,R,SVMBM*,4OF 4
Mar 07 2021 36"	17mmT4	MF,PS,OVAL,LNUC,SHISB,PAIR=N5318,R=F	
NGC 5326		H712-2 Galaxy SAa:	CF,S,VLE,SBM

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NGC 5326 Jan 28 1982 12.5" 16mm	H712-2 DIF,MF,MS,BM,NUC DET	Galaxy SAa:	CF,S,VLE,SBM
NGC 5336 Jan 28 1982 12.5" 16mm	H670-2 VDIF,VF,VS,S BLURR,OVAL,SBM	Galaxy Scd:	CF,PL,R,PSBM
NGC 5337 Jan 28 1982 12.5" 16mm	H698-3 EDIF,VF,MS,INSIDE S TRI OF *S,NND	Galaxy S?	VF,S,IR,*7P
NGC 5341 Mar 07 2021 36" 17mmT4	MF,MS,EL,UB,NND,R=F	Galaxy S?	LE,BM,SP5351
NGC 5347 Jan 28 1982 12.5" 16mm Jan 28 1982 12.5" 24mm	H424-2 EDIF,PF,PS,EL,S OF * IN FIELD,NND EASIER TO DET THAN IN 16MM	Galaxy (R')SB(rs)ab	PF,CL,R,LBM
NGC 5349 Mar 07 2021 36" 17mmT4	MF,MS,EL,FLNUC,PAIR=N5351,R=FG	Galaxy SBb	BM,SP5351
NGC 5350 Jun 01 2008 31" 17mmT4 Jan 28 1982 12.5" 16mm	H713-2 PB,VL,R,BLNUC,F HALO,ARMS SUSP,PAIRS=5353/5354/5355,R=F DIF,MF,PL,R,UB,NND,PAIR/5353/5354	Galaxy SB(r)b	CF,PL,BM,*7P,1ST OF 4
NGC 5351 Mar 07 2021 36" 17mmT4	H697-2 MF,PL,EL-OVAL,UB,NND,SHISB,PAIR=N5349,R=G	Galaxy SA(r)b:	CF,L,LE90,VGBM
NGC 5352 Mar 07 2021 36" 17mmT4	H415-2 MB,ML,OVAL,BLNUC,MHISB,GRAD MBM,GRAN HINT,R=FG	Galaxy S0-:	CF,S,R,LBM,*NF90"
NGC 5353 Jun 01 2008 31" 17mmT4 Jan 28 1982 12.5" 16mm	H714-2 VB,VL,EL,BLNUC,HISB CNTR,MBM,CLOSE PAIR=5354,OTHER NGC'S,R=E MB,ML,EL,BNUC,GBM,NUC DET,PAIR/5350/5354	Galaxy S0 sp	PB,S,R,2ND OF 4
NGC 5354 Jun 01 2008 31" 17mmT4 Jan 28 1982 12.5" 16mm	H715-2 VF,VL,EL,BLNUC,HISB CNTR,MBM,CLOSE PAIR=5353,OTHER NGC'S,R=G DIF,PF,PS,DNUC,SBM,PAIR/5350/5353	Galaxy S0 sp	PF,S,R,3RD OF 4
NGC 5355 Jun 01 2008 31" 17mmT4	H699-3 MB,MS,R,BLNUC,MB,PAIRS=5353/5354/5450,R=F	Galaxy S0?	VF,PS,4TH OF 4
NGC 5358 Jun 01 2008 31" 17mmT4	MB,MS,EL,BSNUC,SLT BM,R=F	Galaxy S0/a	VF,VS,R,2VF*INV
NGC 5361 Mar 07 2021 36" 17mmT4	H682-3 MF,MS,OVAL,BN,NND,SHISB,R=F	Galaxy S?	EF,CS,E
NGC 5362	H671-2	Galaxy Sb? pec	PB,PL,E

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NGC 5362 Jan 28 1982 12.5" 16mm	H671-2 VDIF,PF,PS,* OFF E SIDE,OVAL,NND	Galaxy Sb? pec	PB,PL,E
NGC 5371 May 13 2021 36" 17mmT4 Jan 28 1982 12.5" 16mm	H716-2 VB,VL,R,BLNUC,FACE ON,ARMS DET,SPR STR DET,MHISB CNTR,GMBM,GRAN ARMS,F*S IN ARMS,R=E DIF,MB,PL,DNUC,2*S OFF W SIDE,1*NE,SNUC,SOME KNTY STR SUSP,R,FACE ON	Galaxy SBbc	PB,L,R,BMFN
NGC 5375 Mar 07 2021 36" 17mmT4	H125-3 PB,MS,EL-OVAL,FSNUC,GMBM,MHISB NUC RGN,R=FG	Galaxy SB(r)ab	PB,PL,R,LBM
NGC 5377 Jan 28 1982 12.5" 16mm	H187-1 DIF,MB,ML,ELDNUC,BM,CIGAR SHAPE,DIF HALO	Galaxy (R)SB(s)a	B,L,ME42,SMBMN
NGC 5378 May 13 2021 36" 17mmT4	H698-2 PB,ML,OVAL,BLNUC,TAPERED ENDS,MHISB CNTR,SOME GRAN?,R=G	Galaxy (R')SB(r)a	PB,LE,VGLBM
NGC 5380 May 13 2021 36" 17mmT4 Jan 28 1982 12.5" 16mm	H698-2 VB,MS,BLNUC,HISB CNTR,MHISB GRAN HALO,R=G DIF,MF,MS,FNUC,*NE,OVAL,SBM	Galaxy SA0-	F,CS,R,SMBM
NGC 5383 Jan 28 1982 12.5" 16mm	H181-1 DIF,MB,ML,FNUC,F*NE SIDE,SBM,R,SPR STR SUSP	Galaxy (R')SB(rs)b: p	CB,CL,R,GBM
NGC 5391 May 13 2021 36" 17mmT4	H698-2 VF,VS,PATCH,NND,AV FIRST THEN HOLDS,R=P	Galaxy Sc	F,VS,*CLOSE
NGC 5394 Mar 17 2007 31" 17mmT4	H191-1 PB,ML,OVAL,*NUC,SHISB,SUDLY MBM,PAIR=5395,R=G	Galaxy SB(s)b pec	CF,S,NP OF 2
NGC 5395 Mar 17 2007 31" 17mmT4 Jan 28 1982 12.5" 16mm	H190-1 VF,VL,EL-OVAL,FLNUC,MHISB,SPR ARMS DET,PATCH AREAS,PAIR=5394,R=E DIF,PB,PL,EL,GBM	Galaxy SA(s)b pec	CF,CL,E15,LBM,SF OF2
NGC 5399 Mar 07 2021 36" 17mmT4	H411-3 MB,MS,EL-EDGE ON,UB,NND,R=FG	Galaxy S?	EF,VS,PME90
NGC 5401 Mar 07 2021 36" 17mmT4	H412-3 MB,MS,EL-EDGE ON,BLNUC,MHISB,SHISB HALO,* IN EDGE OF GLXY,R=FG	Galaxy Sa	CF,CS,E
NGC 5403 Mar 07 2021 36" 17mmT4	H683-3 MF,PL,OVAL,UB,NND,CLOSE PAIR=PGC49824,R=FG	Galaxy SB(s)b: sp	VF,PL,IF
NGC 5406 Mar 07 2021 36" 17mmT4 Jan 28 1982 12.5" 16mm	H699-2 PB,MS,EL-OVAL,BNUC,HISB,HALO SMWHT GRAN,R=FG DIF,MF,MS,OVAL,UB,*NUC,B* CLOSE BY	Galaxy SAB(rs)bc	F,PS,R,LBM

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NGC 5407		H684-3	Galaxy E?	VF,VS,R,BM,IN CL
Mar 07 2021 36"	17mmT4	MB,PS,OVAL-R,BLNUC,MHISB,R=F		
NGC 5410		H672-2	Galaxy SB?	PF,PS,BM
May 05 2021 36"	17mmT4	MF,ML,OVAL,UB,NND,SHISB,PATCHY,JUST BARELY TOUCH PGC49896,R=F		
NGC 5421			Non-Existent SB?	
Mar 17 2007 31"	17mmT4	MF,MS,EL,SHISB,F* OFF ONE SIDE,BKN IN 2 HALVES,VS PATCH ON EDGE,PAIR,R=F		
NGC 5421A			Galaxy SB?	F,IRRR,2VF*INV
May 13 2021 36"	17mmT4	MB,MS,OVAL,BSNUC,SHISB,MHISB CNTR,INTRACT=N5421B,CAN SEP,R=G		
NGC 5421B			Galaxy C	F,IRRR,2VF*INV
May 13 2021 36"	17mmT4	MB,MS,OVAL,BSNUC,SHISB,MHISB CNTR,INTRACT=N5421A,CAN SEP,R=G		
NGC 5433		H653-3	Galaxy Sdm:	VF,CS,LE0,BM
May 05 2021 36"	17mmT4	MB,ML,EL,BLNUC,SHISB CNTR,PAIR=PGC50000,R=FG		
NGC 5439			Galaxy Sa	VF,PL,CE,BET2*
May 13 2021 36"	17mmT4	MF,ML,EL-OVAL,UB,NND,SHISB,R=FG		
NGC 5440		H416-2	Galaxy Sa	PF,CS,LE,BM,*11SP
May 13 2021 36"	17mmT4	VB,VL,EL-OVAL,BLNUC,MHISB,TAPERED ENDS,GRAN HALO,HISB CNTR,* IN		
Feb 25 1982 12.5"	16mm	EDGE,PAIR=N5441,R=GE VDIF,PS,MF,EL,FNUC,NND,F*S TIP,UB,SBM		
NGC 5441			Galaxy Spiral	VF,S
May 13 2021 36"	17mmT4	VF,PS,PATCH,UB,NND,PAIR=N5440,R=F		
NGC 5444		H417-2	Galaxy E+:	PB,PL,IVLE,VSMBM
Jan 28 1982 12.5"	16mm	MF,PS,BNUC,R,GBM,F* OFF TO S,PAIR/5445		
NGC 5445		H413-3	Galaxy S0?	F,*13P
Feb 25 1982 12.5"	16mm	VDIF,VF,VS,EL,F*S EDGE,NND,CIGAR SHAPE,B* OFF NE,PAIR/5444		
PGC 38567			Galaxy Sm	
Apr 26 2014 36"	17mmT4	MF,MS,EDGE ON,UB,NND,PA~90,TAPERED ENDS,MUCH THICKER IN CNTR,* CLOSE ONE SIDE,R=F		
PGC 38629			Galaxy Sb	
Feb 25 2004 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIRS/4137/4135,R=F		
PGC 38758			Galaxy S	
Feb 25 2004 31"	17mmT4	PF,PS,PATCH,UB,NND,R=P		
PGC 38982			Galaxy E	
Apr 23 2003 12.5"	9mmT6	VDIF,EF,MS,PATCH,4 OF 4 COMP,R=P		

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PGC 39841		Galaxy E2
Mar 07 2021 36"	17mmT4	MF,PS,OVAL,UB,NND,N4288 CLOSE BY,R=F
PGC 40665		Galaxy S?
Apr 10 2023 36"	17mmT4	MB,MS,OVAL-R,SBNUC,MHISB MID,R=F
PGC 40771		Galaxy SB
Apr 10 2023 36"	17mmT4	MF,MS,EL,LFNUC,SHISB MID,R=F
PGC 40952		Galaxy C
Mar 17 2007 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=PGC'S,R=P
PGC 40984		Galaxy Double System
Mar 17 2007 31"	17mmT4	MF,MS,OVAL,VFSNUC,*NUC,V CLOSE COMP=PGC40986,PAIR=PGC40952,R=F
PGC 40986		Galaxy S?
Mar 17 2007 31"	17mmT4	MF,VS,EL-OVAL,FSNUC,V CLOSE COMP=PGC40984,PAIR=PGC40952,R=F
PGC 41011		Galaxy I R
Mar 17 2007 31"	17mmT4	DIF,MF,PL,OVAL,PATCH,UB,NND,R=F
PGC 41119		Galaxy Sd
Mar 17 2007 31"	17mmT4	PF,PL,EDGE ON,PATCH,UB,NND,R=F
PGC 41239		Galaxy Im
Apr 10 2023 36"	17mmT4	DIF,VF,PL,OVAL,PATCH,UB,NND,R=PF
PGC 42045		Galaxy Sd
May 31 2014 36"	17mmT4	MF,PL,EDGE ON,NND,PA~90,F* OFF NUC ONE SIDE,ONE SIDE THICKER THAN OTHER,R=F
PGC 42134		Galaxy
Mar 17 2007 31"	17mmT4	VF,PS,PATCH,UB,NND,KEEP * OUT OF FOV,BOTH APPEAR AS ONE,PAIR=PGC42135,R=P
PGC 42135		Galaxy
Mar 17 2007 31"	17mmT4	VF,PS,PATCH,UB,NND,KEEP * OUT OF FOV,BOTH APPEAR AS ONE,PAIR=PGC42134,R=P
PGC 43452		Galaxy Sc
May 31 2014 36"	17mmT4	MF,ML,EDGE ON,UB,NND,PA~130,* OFF NUC ONE SIDE,R=F
PGC 43472		Galaxy S
Mar 17 2007 31"	17mmT4	MF,MS,OVAL,FLNUC,R=F
PGC 44032		Galaxy SB(rs)bc
Mar 17 2007 31"	17mmT4	MF,MS,OVAL,PATCH,NND,PATCHY,SHISB,R=F
PGC 44045		Galaxy S
Mar 17 2007 31"	17mmT4	VF,PS,PATCH,UB,NND,R=P

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PGC 44052		Galaxy S
Mar 17 2007 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIRS=PGC44094/MAC,R=F
PGC 44078		Galaxy S
Mar 17 2007 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,R=F
PGC 44094		Galaxy S
Mar 17 2007 31"	17mmT4	MF,PS,OVAL,FLNUC,PAIRS=PGC44052/MAC,R=F
PGC 44198		Galaxy I
Mar 17 2007 31"	17mmT4	EF,VS,PATCH,AV,PAIRS=4837/MAC'S,R=P
PGC 44334		Galaxy Sc
Mar 17 2007 31"	17mmT4	MV,MS,OVAL-R,PATCH,UB,NND,R=F
PGC 45520		Galaxy SBR
Apr 14 2004 31"	17mmT4	EDIF,EF,PS,OVAL,PATCH,AV,LOC GOOD,PAIRS=4987/PGC45564,R=P
PGC 45564		Galaxy L
Apr 14 2004 31"	17mmT4	MF,MS,EL,FLNUC,GBM,PAIRS=4987/PGC45520,R=F
PGC 45737		Galaxy Sc
Apr 14 2004 31"	17mmT4	PF,PS,EL,PATCH,UB,PAIR=MAC,R=P
PGC 45790		Galaxy S?
Mar 17 2007 31"	17mmT4	MB,MS,R,BLNUC,HISB CNTR,GMBM,R=G
PGC 45933		Galaxy Sab
Apr 14 2004 31"	17mmT4	VF,PS,PATCH,UB,NND,R=P
PGC 45992		Galaxy SB(s)c? sp
Apr 10 2023 36"	17mmT4	VF,PS,EL-OVAL,NND,SHISB,TAPERED ENDS,R=PF
PGC 46035		Galaxy S
Apr 14 2004 31"	17mmT4	VF,PS,PATCH,NND,R=P
PGC 46127		Galaxy IAm
Apr 10 2023 36"	17mmT4	DIF,EF,PS,PATCH,AV COMES AND GOES THEN HOLDS,R=P
PGC 46515		Galaxy S?
Apr 02 2021 36"	17mmT4	MB,MS,OVAL-R,FNUC,SHISB CNTR,PAIR=PGC46529/OTHERS,R=F
PGC 46529		Galaxy S?
Apr 02 2021 36"	17mmT4	MF,MS,OVAL-R,FLNUC,SHISB CNTR,PAIR=PGC46515/OTHERS,R=F
PGC 46796		Galaxy
Apr 02 2021 36"	17mmT4	VF,ML,EL,UB,NND,PAIR=N5127,R=F

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PGC 47433		Galaxy S?
Mar 17 2007 31"	17mmT4	MF,MS,EL,BLNUC,SHISB CNTR,PAIRS=PGC'S/MAC,R=F
PGC 47447		Galaxy S?
Mar 17 2007 31"	17mmT4	MF,MS,R,PATCH,UB,NND,PAIRS=PGC'S/MAC,R=F
PGC 47462		Galaxy Sb
Mar 17 2007 31"	17mmT4	MF,MS,EL,FLNUC,S PATCH DET ONE END,R=F
PGC 47475		Galaxy Double System
Mar 17 2007 31"	17mmT4	MF,PS,EL,PATCH,UB,NND,CLOSE COMP=PGC47483,PAIR=PGC'S,R=P
PGC 47483		Galaxy S?
Mar 17 2007 31"	17mmT4	MF,PS,EL,FSNUC,CLOSE COMP=PGC47475,PAIR=PGC'S,R=F
PGC 47679		Galaxy S
May 05 2021 36"	17mmT4	EF,VS,EL,PATCH,TOUCH N5214,R=P
PGC 47795		Galaxy Sb
Feb 15 2004 31"	17mmT4	DIF,VF,ML,EDGE ON,PATCH,UB,NND,PAIR=MAC,R=F
PGC 47808		Galaxy SB?
Mar 17 2007 31"	17mmT4	VDIF,VF,ML,OVAL,UB,NND,R=P
PGC 47813		Galaxy
Mar 17 2007 31"	17mmT4	DIF,EF,PS,PATCH,AV,PAIR=MAC,R=P
PGC 47817		Galaxy
Feb 15 2004 31"	17mmT4	VF,MS,OVAL,VFNUC,PAIR=MAC,R=F
PGC 47867		Galaxy Sb
Mar 17 2007 31"	17mmT4	DIF,PF,ML,OVAL,PATCH,UB,NND,R=F
PGC 47989		Galaxy S
Feb 15 2004 31"	17mmT4	PF,VS,PATCH,NND,* CLOSE BY,R=F
PGC 48142		Galaxy S?
Mar 17 2007 31"	17mmT4	PB,MS,R,BLNUC,HISB,GMBM,B*S IN FOV,NICE,R=G
PGC 48363		Galaxy L
Feb 15 2004 31"	17mmT4	MF,MS,EL,BSNUC,PAIR=5267,R=F
PGC 48566		Galaxy S
Feb 15 2004 31"	17mmT4	VF,ML,EDGE ON,UB,NND,PAIRS=5274/5275/MAC,R=F
PGC 48579		Galaxy S
Feb 15 2004 31"	17mmT4	VF,PS,EL,PATCH,UB,NND,PAIR=5280,R=P

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PGC 48920		Galaxy S?
Mar 07 2021 36"	17mmT4	MF,MS,EL-EDGE ON,UB,NND,PAIR=N5303,R=F
PGC 48926		Galaxy SB
Mar 07 2021 36"	17mmT4	PF,MS,OVAL,UB,NND,PAIR=N5305,R=F
PGC 49125		Galaxy
Mar 07 2021 36"	17mmT4	VF,PS,PATC,UB,NND,CLOSE TO N5318,PAIR=5319,R=F
PGC 49824		Galaxy Spiral
Mar 07 2021 36"	17mmT4	MF,MS,EL,FLNUC,CLOSE PAIR=N5403,R=F
PGC 49896		Galaxy Irr
May 05 2021 36"	17mmT4	VF,VS,EDGE ON,JUST BARELY TOUCH N5410,CAN SPLIT,R=P
PGC 49949		Galaxy SB
Mar 17 2007 31"	17mmT4	EF,ES,LOC GOOD,SUSP,PAIR=5421,R=P
PGC 50000		Galaxy Sb
May 05 2021 36"	17mmT4	MF,MS,EL-EDGE ON,SNUC,*NUC,PAIR=N5433,R=F
PGC 50116		Galaxy S?
Mar 17 2007 31"	17mmT4	MF,MS,EL-EDGE ON,BSNUC,SBM,F* OFF END,MHISB CNTR,CNTR BULGE,R=F
PGC 50123		Galaxy Sa
Jun 01 2008 31"	17mmT4	PF,VS,R,BSNUC,ALM *NUC,BM,GOOD HICKSON CL,R=P
PGC 50133		Galaxy SB
Jun 01 2008 31"	17mmT4	EF,ES,PATCH,AV COMES AND GOES,GOOD HICKSON CL,R=P
PGC 50140		Galaxy S0?
Jun 01 2008 31"	17mmT4	MB,PS,EL,BLNUC,GOOD HICKSON CL,R=F
PGC 50148		Galaxy E/S0
Mar 17 2007 31"	17mmT4	PF,VS,PATCH,VFSNUC,PAIR=PGC50016,R=F
PGC 50159		Galaxy S?
Jun 01 2008 31"	17mmT4	EF,PS,OVAL,PATCH,UB,NND,GOOD HICKSON CL,R=P
PGC 50160		Galaxy Spiral
Mar 17 2007 31"	17mmT4	VDIF,EF,MS,PATCH,NND,AV,PAIR=PGC50180,R=P
PGC 50180		Galaxy S0
Mar 17 2007 31"	17mmT4	PF,MS,EL,NND,PAIRS=PGC50160,R=P

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IC	334		Galaxy S?	
Jan 30 2003	12.5"	9mmT6	VB,VL,R,SNUC,MHISB,FACE ON,F* IN GLXY,* NUC,R=E	
IC	342		Galaxy SAB(rs)cd	
Jan 30 2003	12.5"	9mmT6	PB,EL,R,BNUC,SHISB,FACE ON,SPR STR SUSP,HALO OF ARMS,NUC R & B,HINT OF H2 RGN SUSP,R=E	
IC	356		Galaxy SA(s)ab pec	
Jan 30 2003	12.5"	9mmT6	PB,VL,OVAL,FNUC,SNUC,UB HALO,PAIR=PGC14531,R=G	
IC	361		Open Cluster II 2 r	F,L (NEB CL?)
Sep 30 2005	31"	17mmT4	MF,VL,50-70*S,SAME MAG,R IN SHAPE,GOOD CL,WELL PLACED,R=G	
IC	381		Galaxy SAB(rs)bc	
Jan 30 2005	31"	17mmT4	VB,VL,WELL PLACED IN 17MM,FIRST DSO OF 2005,100'S* SIM MAG,BG GLOW,R=E	
Jan 30 2003	12.5"	9mmT6	DIF,MF,PL,OVAL,PATCH,UB,NND,F*IN GLXY,R=F	
IC	391		Galaxy SA(s)c	
Jan 30 2003	12.5"	9mmT6	DIF,PF,MS,PATCH,UB,NND,SHISB,R=F	
IC	396		Galaxy S?	
Jan 30 2003	12.5"	9mmT6	PF,MS,R,FNUC,SNUC,FACE ON,R=F	
IC	440		Galaxy SA(r)ab	
Dec 15 2004	12.5"	12mmT4	PF,ML,OVAL,UB,NND,VF* OFF ONE EDGE,R=F	
IC	442		Galaxy S?	
Dec 15 2004	12.5"	12mmT4	PF,MS,R,FLNUC,R=F	
IC	445		Galaxy S0?	
Jan 30 2005	31"	17mmT4	MF,MS,R,VBSNUC,SBM,*NUC,BM,PAIR=PGC19335,R=F	
IC	449		Galaxy E:	
Jan 30 2005	31"	17mmT4	MF,MS,EL,BSNUC,BMBM,R=G	
IC	450		Galaxy SAB0+:	
Jan 30 2005	31"	17mmT4	MF,PS,R,BSNUC,OTHERS,R=F	
IC	451		Galaxy SAB(r)b:	
Jan 30 2005	31"	17mmT4	PF,MS,EL,FSNUC,OTHERS,R=F	
IC	467		Galaxy SAB(s)c:	
Feb 01 2005	31"	17mmT4	VF,VL,OVAL,PATCH,NND,2 F* IN GLXY,PATCHY AREAS OR KNOTS DET,R=G	
IC	499		Galaxy Sa	
Sep 06 2002	12.5"	9mmT6	DIF,MF,PL,EL,SBM,OVAL,LNUC AREA	

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IC	511		Galaxy S0/a:	
	Feb 01 2005	31"	17mmT4	MF,MS,EL,BSNUC,MHISB,R NUC,GBM,R=G
IC	512		Galaxy SAB(s)cd	
	Mar 06 2003	12.5"	9mmT6	VDIF,VF,PL,OVAL-R,PATCH,UB,PAIR=PGC25240,R=F
	Sep 06 2002	12.5"	9mmT6	VDIF,VF,PL,OVAL PATCH,UB,NND
IC	520		Galaxy SAB(rs)ab?	
	Feb 04 2005	31"	17mmT4	PB,ML,R,BSNUC,MHISB,PAIR=PGC24978,R=G
IC	529		Galaxy SA(s)c:	
	Mar 26 2003	12.5"	9mmT6	DIF,PF,EL-OVAL,PATCH,UB,NND,SHISB,L FACE ON,R=G
IC	2174		Galaxy SBa	
	Feb 01 2005	31"	17mmT4	MB,PL,EL,PATCH,FLNUC,VF* IN NUC,R=F
	Jan 30 2005	31"	17mmT4	PF,MS,EL,PATCH,UB,NND,PAIR=2314,R=F
IC	2179		Galaxy E1-2	
	Feb 01 2005	31"	17mmT4	VB,PL,R,BLNUC,MHISB,GMBM,HISB CNTR,R=G
IC	2184		Galaxy I?	
	Feb 01 2005	31"	17mmT4	MF,PL,PATCH,UB,NND,R=G
IC	2209		Galaxy SB(rs)b:	
	Feb 01 2005	31"	17mmT4	DIF,PF,VL,OVAL,PATCH,UB,NND,PAIRS=2460/PGC22269,R=F
IC	2389		Galaxy SB(s)b?	
	Feb 04 2005	31"	17mmT4	PF,MS,EL,BSNUC,MHISB CNTR,CNTR BULGE,PAIR=2636,R=G
IC	2438		Open Cluster	CL, 5 OR 6 ST 13...
	Apr 03 2005	31"	17mmT4	MF,PS,V LTL CL,3*S IN TRI W/FTR TRI ON EDGE,~8*S,R=P
IC	3568		Planetary Neb 2+2a	
	Mar 17 2009	31"	17mmT4	VF,ML,R,F* OFF SIDE,B BLUEISH,GMB,B CNTR REG,OUTER SHELL GRAN W/OIII,DOESNOT HELP MUCH,R=E
	Feb 04 2005	31"	17mmT4	PB,ML,R,BNUC,B BLUE,BM,HALO SUR CNTR NUC,F* OFF ONE EDGE,R=E
MAC	0646+7410		Galaxy	
	Jan 30 2005	31"	17mmT4	EF,PATCH,AV,PAIR=2256,R=P
MAC	0647+7412		Galaxy	
	Jan 30 2005	31"	17mmT4	EF,PATCH,SUSP,PAIR=2256,R=P
MAC	0647+7433		Galaxy	
	Jan 30 2005	31"	17mmT4	VF,VS,PATCH,UB,NND,OTHERS,R=P
MAC	0750+7419		Galaxy	

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MAC 0750+7419		Galaxy	
Dec 19 2006 31"	17mmT4	EF,VS,PATCH,AV,PAIRS=PGC21971/PGC21946,R=P	
Feb 21 2006 31"	17mmT4	VF,VS,EL,INTRACT=PGC21946,BARELY SEP,R=P	
MAC 0847+7357		Galaxy	
Feb 04 2005 31"	17mmT4	EF,ES,PATCH,UB,NND,AV,NGC2633 GRP,R=P	
MAC 0848+7402		Galaxy	
Feb 04 2005 31"	17mmT4	EF,ES,UB,NND,AV,NGC2633 GRP,R=P	
NGC 1469		Galaxy SA0-:	VF,VS,R,B*NR
Jan 30 2003 12.5"	9mmT6	VF,PL,OVAL,BNUC,HISB,GMBM,BLNUC,R=E	
NGC 1485		Galaxy SAb? sp	EF,PS,R
Jan 30 2003 12.5"	9mmT6	PF,VL,OVAL,UB,NND,HINT OF * NUC SUSP,R=F	
NGC 1501		H53-4 Planetary Neb 3	PLN,PB,PS,VLE,1'DIAM
Oct 09 2010 31"	17mmT4	MB,ML,R,CNTR* 13TH MAG,GRAYISH GREEN COLOR,VR,SHARP EDGES,DARKER INNER RING,OIII HELPS LTL,CNTR* GOES AWAY,R=E	
Oct 03 1981 12.5"	12mm	VR,UB,F CNTR * 14TH MAG DET,GREEN,DIF,MF,MS	
NGC 1502		H47-7 Open Cluster I 3 m	CL,PRI,CC,IF
Nov 13 2020 36"	55mm	(I 3 m),EB,EL,NEB DET SUR B*S IN CNTR,SC,NICE IN FOV,*S VAR MAG,~25*S,(1:45am),R=G	
Oct 03 1981 12.5"	24mm	MB,ML,B DBL * IN CNTR,~20*S,NICE IN 24MM	
NGC 1530		Galaxy SB(rs)b	PB,L
Jan 30 2003 12.5"	9mmT6	DIF,PF,PL,OVAL,UB,* NUC SUSP,R=F	
NGC 1560		Galaxy SA(s)d sp	VF,L,E,*9.3SP
Jan 30 2003 12.5"	9mmT6	MF,PL,OVAL,PATCH,UB,NND,F* IN GLXY,R=F	
NGC 1569		H768-2 Galaxy IBm	PB,S,LE,BNM,*9.5N1'
Jan 30 2003 12.5"	9mmT6	VB,PL,OVAL,BNUC,MHISB,TAD POLE SHAPE,F*IN EDGE,DUST LANE SUSP,R=G	
Oct 03 1981 12.5"	16mm	MF,PS,EL,S OF B*,HISB,NND	
Sep 18 1980 12.5"	24mm		
NGC 1573		Galaxy E	VF,S,*9.5F
Feb 21 2006 31"	17mmT4	PB,ML,OVAL-R,BLNUC,MUCH BM,HISB CNTR,PAIRS=PGC'S,R=G	
Jan 30 2003 12.5"	9mmT6	PB,ML,OVAL,BNUC,SHISB,LNUC RGN,PAIR/PGC15548,R=G	
NGC 1708		Open Cluster cluster?	CL,VL,PRI,LC,ST L\$\$
Jan 30 2005 31"	31mmT5	EB,EL,JUST FITS IN FOV,40-60*S SC,CL DET,OBLONG IN SHAPE,R=F	
NGC 1961		H747-3 Galaxy SAB(rs)c	CF,PL,IF,MBM,ER,*INV
Jan 30 2003 12.5"	9mmT6	MF,VL,OVAL,PATCH,UB,SHISB,F* IN GLXY,CL 1 OF 8,R=G	
Dec 21 1981 12.5"	16mm	DIF,VF,PS,PATCHY,SBM,F* JUST BESIDE NUC,LINE OF 2F*S TO S	
Oct 03 1981 12.5"	16mm	MF,PL,F*E SIDE,NNS,PATCHY,SLT OVAL,F* S PART OF GLXY	

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NGC 1961	H747-3	Galaxy SAB(rs)c	CF,PL,IF,MBM,ER,*INV
Sep 18 1980 12.5" 24mm			
NGC 2128		Galaxy S0-:	VF,VS,VLE
Dec 15 2004 12.5" 12mmT4	PF,MS,R,FLNUC,SHISB,R=F		
NGC 2146		Galaxy SB(s)ab pec	PB,2'L,LE
Nov 24 2003 31" 17mmT4	PB,EL-OVAL,BSNUC,L DIF ARMS,DUST LANE DET ONE SIDE OF NUC,R=E		
Dec 21 1981 12.5" 24mm	MB,PL,EL,HISP,SBM,CNTR BULGE DET,CL OF F*'S TO ONE SIDE		
Oct 03 1981 12.5" 16mm	DIF,MB,PL,EL3*'S SE OF GLXY,PATCHY,BVARIES,NND,OVAL SHAPE		
Sep 18 1980 12.5" 24mm			
NGC 2146A		Galaxy SAB(s)c:	
Dec 15 2004 12.5" 12mmT4	VDIF,VF,ML,PATCH,NND,R=P		
NGC 2253	H54-7	Open Cluster	VF,ST ES
Feb 05 2005 31" 17mmT4	MF,VL,~20-40*'S SAME MAG,LOOSELY SC,LTL CL,R=P		
NGC 2256		Galaxy SAB0-?	F,R,*9.5 3'SF
Jan 30 2005 31" 17mmT4	MB,ML,EL,FLNUC,SOFT CNTR,;PAIRS=MAC,R=G		
NGC 2258		Galaxy SA(r)0^	F,2*10,11F
Jan 30 2005 31" 17mmT4	VB,PL,EL,FLNUC,MHISB CNTR,VF* OR COMP OFF ONE EDGE,OTHERS,R=G		
NGC 2268		Galaxy SAB(r)bc	PF,PL,LE
Sep 06 2002 12.5" 9mmT6	DIF,MF,PL,IRR IN SHAPE,ONE SIDE THICKER,NND,UB,S HISB,VF* IN EDGE OF GLXY		
Oct 03 1981 12.5" 16mm	EDIF,MF,PL,EL,SMWHT BM,OVAL,NNS		
Sep 18 1980 12.5" 24mm			
NGC 2314		Galaxy E3	VF,S,R
Feb 01 2005 31" 17mmT4	PB,PL,EL,BLNUC,HISB,R=G		
Jan 30 2005 31" 17mmT4	PB,ML,R,BLNUC,HISB CNTR,PAIR=IC2174,R=G		
Sep 18 1980 12.5" 24mm			
NGC 2336		Galaxy SAB(r)bc	PB,PL,R,2*11NR
Dec 21 1981 12.5" 16mm	EDIF,MF,PL,R,SBM,PATCHY,LOW SURFACE B		
Sep 18 1980 12.5" 24mm			
NGC 2347	H746-3	Galaxy (R')SA(r)b:	VF,S,R,LBM
Feb 01 2005 31" 17mmT4	PB,VL,OVAL,FLNUC,SOFT GLOW,R=G		
Sep 18 1980 12.5" 24mm			
NGC 2363		Galaxy Irr	NEB* OR VFVS,2366SF
Feb 01 2005 31" 17mmT4	VF,VS,OVAL,FSNUC,SMWHT BM,COMP=2366,R=P		
NGC 2366	H748-3	Galaxy Irr	VF,PL,MBM,CVEDTAILS
Feb 01 2005 31" 17mmT4	MF,EL,BSNUC,IRR,FARM'S OFF ONE SIDE,2 NUC DET,S B,S F,COMP=2363,R=F		

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NGC 2366		H748-3	Galaxy Irr	VF,PL,MBM,CVEDTAILS
Dec 21 1981 12.5"	24mm	EDIF,EF,ML,EL,BSNUC		
Sep 18 1980 12.5"	24mm			
NGC 2403		H44-5	Galaxy Sc	CB,EL,VME,VGMBMN
Dec 21 1981 12.5"	16mm	SPR STR DET,BEAUTIFUL!!!		
Dec 21 1981 12.5"	24mm	PB,PL,HISB,BSNUC,L OVAL PATCH,SOME STR SUSP,B*S IN GLXY		
Sep 18 1980 12.5"	24mm	2*S IN GLXY PRESENT		
NGC 2441			Galaxy SAB(r)b:	VF,PS
Feb 01 2005 31"	17mmT4	DIF,PF,EL,PATCH,UB,NND,PATCHY,SOME STR SUSP,R=G		
Sep 18 1980 12.5"	24mm			
NGC 2460			Galaxy SA(s)a	F,S,R,S*CENTRE
Feb 01 2005 31"	17mmT4	VB,VL,R,BLNUC,GMBM,HISB,PAIRS=IC2209/PGC22269,R=E		
Sep 18 1980 12.5"	24mm			
NGC 2523			Galaxy SB(r)bc	PB,PL,LE,LBM,*NR
Feb 01 2005 31"	17mmT4	VF,VL,EL,BLNUC,MHISB,B BAR LIKE NUC,GMBM,HALO SUR BAR,R=G		
Sep 18 1980 12.5"	24mm			
NGC 2523A			Galaxy SB(s)c:	
Feb 01 2005 31"	17mmT4	PF,ML,OVAL,PATCH,UB,NND,PATCHY AREAS,R=F		
NGC 2523B			Galaxy SA(s)b: sp	
Feb 01 2005 31"	17mmT4	MF,PS,EDGE ON,FSNUC,F* IN NUC,CNTR BULGE,R=F		
NGC 2523C			Galaxy E?	
Feb 01 2005 31"	17mmT4	PF,PS,OVAL,FSNUC,R=F		
NGC 2544			Galaxy SB(s)a:	EEF,PS,R,SEVB*AROUND
Feb 01 2005 31"	17mmT4	MB,MS,OVAL,BLNUC,MHISB CNTR,PAIR=PGC23462,R=F		
NGC 2550			Galaxy Sb:	EEF,PS,CE
Feb 01 2005 31"	17mmT4	MB,MS,EL,UB,NND,MHISB,F* ON TIP,R=G		
NGC 2550A			Galaxy Sc	
Feb 01 2005 31"	17mmT4	MB,PL,OVAL,PATCH,UB,NND,MHISB,F* ON EDGE,PAIR=PGC23732,R=G		
NGC 2551			Galaxy SA(s)0/a	VF,S,F*IN CENTRE
Sep 18 1980 12.5"	24mm			
NGC 2591			Galaxy Scd: sp	F,S,E,LBM
Feb 01 2005 31"	17mmT4	MB,ML,EDGE ON,UB,NND,SHISB,CNTR BULGE,F* OFF ONE TIP,R=G		
NGC 2633			Galaxy SB(s)b	F,S,LE
Feb 04 2005 31"	17mmT4	PB,ML,EL,BLNUC,SHISB,B* IN NUC,GMBM,NGC2633 GRP,R=F		

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NGC 2633 Sep 18 1980 12.5" 24mm		Galaxy SB(s)b	F,S,LE
NGC 2634 Feb 04 2005 31" 17mmT4	PB,ML,R,BLNUC,GMBM,SHISB,NGC2633 GRP,R=G	Galaxy E1:	F,S,LE
NGC 2634A Feb 04 2005 31" 17mmT4	MF,ML,EDGE ON,UB,NND,NGC2633 GRP,R=F	Galaxy SB(s)bc? sp	
NGC 2636 Feb 04 2005 31" 17mmT4	MF,MS,R,BSNUC,SHISB CNTR,PAIR=IC2389,R=G	Galaxy E0:	VF,S,2*11,12 F
NGC 2646 Feb 04 2005 31" 17mmT4 Sep 18 1980 12.5" 24mm	MF,MS,R,FLNUC,VF* OFF ONE EDGE,BM,MHISB CNTR,R=G	Galaxy SB(r)0^:	VF,S,2F*2.5'SF
NGC 2655 Oct 16 1982 12.5" 12mm Oct 16 1982 12.5" 16mm Dec 21 1981 12.5" 16mm Sep 18 1980 12.5" 24mm	H288-1 F*E 1 GLXY DIA,ARMS MORE PRODOMENANT MB,MS,BNUC,GMBM,OBLONG,DIM HALO PB,ML,R,BM,HISB	Galaxy SAB(s)0/a	VB,CL,LE90,GSVMBM
NGC 2715 Mar 06 2003 12.5" 9mmT6 Sep 18 1980 12.5" 24mm	PB,VL,OVAL,PATCH,NND,SHISB,PATCHES & AREAS OF VAR B,R=G	Galaxy SAB(rs)c	PB,L,E
NGC 2732 Mar 26 2003 12.5" 9mmT6 Sep 18 1980 12.5" 24mm	MB,PL,EL,BNUC,F* ON TIP,R=F	Galaxy S0 sp	PB,S,E45,*13NF
NGC 2748 Mar 26 2003 12.5" 9mmT6 Sep 18 1980 12.5" 24mm	MB,VL,PATCH,UB,NND,SHISB,R=G	Galaxy SAbc	PB,PL,E,VGLBM
NGC 3901 Feb 04 2005 31" 17mmT4	PF,ML,OVAL,PATCH,UB,NND,F* IN EDGE,R=F	H970-3 Galaxy Scd:	PF,PL,RESOLVABLE
NGC 4127 Mar 06 2003 12.5" 9mmT6	DIF,PF,MS,R,PATCH,UB,NND,R=F	H279-1 Galaxy SAc?	F,PL,VLE,GLBM
NGC 5295 Apr 03 2005 31" 17mmT4 Feb 04 2005 31" 17mmT4	PF,PS,OVAL,FSNUC,R=F MF,MS,OVAL,BSNUC,R=F	H946-3 Galaxy	VF,VS,R
NGC 5640 Jun 01 2003 12.5" 9mmT6	EDIF,EF,VS,PATCH,AV,SUSP,R=P	H949-3 Galaxy Ia	EF,S,LE

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PGC 13693		Galaxy E
Jan 30 2003 12.5"	9mmT6	DIF,EF,MS,PATCH,UB,NND,R=P
PGC 14531		Galaxy S
Jan 30 2003 12.5"	9mmT6	EDIF,EF,VS,PATCH,SUSP WITH AV,PAIR=IC356,R=P
PGC 15545		Galaxy Sb
Feb 21 2006 31"	17mmT4	VF,MS,R,UB,NND,PAIRS=1573/PGC15548,R=P
PGC 15548		Galaxy S0-:
Feb 21 2006 31"	17mmT4	MF,PL,R,FLNUC,MHISB CNTR,SUDLY MBM,PAIRS=1573/PGC15545,R=F
Jan 30 2003 12.5"	9mmT6	VDIF,EF,ES,AV,*,PAIR/1573,R=P
PGC 15967		Galaxy S?
Feb 09 2013 36"	17mmT4	EF,ES,PATCH,PA~?,VF PATCH,CANNOT DETECT ARMS OR PLANE OF GLXY,R=P
PGC 17561		Galaxy Scd:
Feb 09 2013 36"	17mmT4	VF,PS,EDGE ON,PATCH,UB,PA~60,R=P
PGC 17659		Galaxy Sb
Jan 30 2003 12.5"	9mmT6	EDIF,EF,ES,AV SUSP,LOC GOOD,CL 2 OF 8,R=P
PGC 17661		Galaxy S
Jan 30 2003 12.5"	9mmT6	EDIF,EF,ES,AV,CL 8 OF 8,R=P
PGC 17674		Galaxy S
Jan 30 2003 12.5"	9mmT6	NO FIND,LOC GOOD,CL 7 OF 8,R=P
PGC 17675		Galaxy SABbc
Jan 30 2003 12.5"	9mmT6	EDIF,EF,ES,AV,CL 4 OF 8,R=P
PGC 17692		Galaxy Scd:
Jan 30 2003 12.5"	9mmT6	EDIF,EF,ES,AV SUSP,LOC GOOD,CL 3 OF 8,R=P
PGC 17757		Galaxy S?
Jan 30 2003 12.5"	9mmT6	EDIF,EF,ES,PATCH,CLOSE TO B*,CL 5 OF 8,R=P
PGC 17794		Galaxy Sab
Jan 30 2003 12.5"	9mmT6	DIF,VF,VS,OVAL-R,FNUC,HALO SUR BNUC,LOOKS LIKE S PN,CL 6 OF 8,R=F
PGC 19222		Galaxy Scd:
Nov 17 2012 36"	17mmT4	VF,MS,EDGE ON,UB,NND,F* IN TIP, * OFF NUC,PA~180,R=P
PGC 19335		Galaxy E
Jan 30 2005 31"	17mmT4	VF,VS,EL,PATCH,UB,NND,PAIR=IC445,R=F
PGC 19519		Galaxy

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PGC 19519		Galaxy
Feb 05 2005 31"	17mmT4	PF,PS,OVAL,BSNUC,R=F
PGC 19566		Galaxy S
Jan 30 2005 31"	17mmT4	VDIF,EF,MS,OVAL,PATCH,UB,NND,R=P
PGC 19590		Galaxy L
Jan 30 2005 31"	17mmT4	PF,PS,PATCH,FSNUC,OTHERS,R=F
PGC 20143		Galaxy Sab
Jan 30 2005 31"	17mmT4	MF,ML,EL,UB,NND,CNTR BULDGE DET,R=F
PGC 20348		Galaxy Sd: pec
Nov 17 2012 36"	17mmT4	MF,PL,EDGE ON,UB,NND,F* BOTH SIDES,* OFF TIP,TIPS SHARP,ONE TIP CURVED,HOOKED,PAIR=PGC20398,PA~90,R=G
PGC 20383		Galaxy S?
Dec 19 2006 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,R=F
PGC 20398		Galaxy S? pec
Nov 17 2012 36"	17mmT4	PB,ML,R,BLNUC,HISB,GRAN HALO,PAIR=PGC20348,R=G
PGC 20434		Galaxy I?
Dec 19 2006 31"	17mmT4	PF,MS,PATCH,UB,NND,R=P
PGC 20460		Galaxy Ring
Dec 19 2006 31"	17mmT4	MB,MS,EL,BLNUC,BM,F HALO OFF ONE SIDE OF NUC,R=F
PGC 20521		Galaxy
Feb 01 2005 31"	17mmT4	VDIF,EF,PS,PATCH,UB,NND,AV,R=P
PGC 21685		Galaxy S
Dec 19 2006 31"	17mmT4	PF,PS,PATCH,UB,NND,APPEAR AS ONE OBJ,IRR IN SHAPE,INTRACT=PGC21693,R=P
PGC 21693		Galaxy SB?
Dec 19 2006 31"	17mmT4	PF,PS,PATCH,UB,NND,APPEAR AS ONE OBJ,IRR IN SHAPE,INTRACT=PGC21685,R=P
PGC 21896		Galaxy S0-:
Dec 19 2006 31"	17mmT4	MB,VS,BLNUC,R=F
Feb 21 2006 31"	17mmT4	PB,MS,R,BSNUC,MUCH BM,HISB CNTR,PAIRS=PGC'S,R=F
PGC 21946		Galaxy S
Dec 19 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=PGC21971/MAC,R=P
Feb 21 2006 31"	17mmT4	VF,VS,EL,PATCH,NND,INTRACT,BOTH EL,BARELY SEP,PAIR=MAC,R=G
PGC 21971		Galaxy SAB(s)c?
Dec 19 2006 31"	17mmT4	MF,ML,OVAL-R,PATCH,UB,NND,PAIR=PGC21946/MAC,R=G

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PGC 21971		Galaxy SAB(s)c?
Feb 21 2006 31"	17mmT4	VB,PL,R,FLNUC,MHISB,PAIRS=PGC'S,R=G
PGC 22010		Galaxy
Dec 19 2006 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,PAIR=PGC22067,R=P
PGC 22044		Galaxy Sc
Dec 19 2006 31"	17mmT4	EF,PS,PATCH,AV,R=P
PGC 22050		Galaxy E?
Dec 19 2006 31"	17mmT4	MB,MS,EL,BLNUC,MHISB,TAPERED ENDS,R=G
PGC 22067		Galaxy S?
Dec 19 2006 31"	17mmT4	MF,PS,OVAL,PATCH,UB,NND,PAIR=PGC22010,R=F
PGC 22127		Galaxy Sa
Dec 19 2006 31"	17mmT4	MB,ML,EL,BLNUC,GBM,MHISB CNTR,R=G
PGC 22269		Galaxy S
Feb 01 2005 31"	17mmT4	VF,MS,PATCH,UB,NND,PAIRS=IC2209/2460,R=P
PGC 22640		Galaxy Sbc
Nov 17 2012 36"	17mmT4	PF,MS,EDGE ON,UB,NND,TAPERED,SLT BULGE,PA~90,R=F
PGC 23462		Galaxy L
Feb 01 2005 31"	17mmT4	PF,MS,EL,PATCH,UB,NND,PAIR=2544,R=F
PGC 23731		Galaxy SBd
Feb 01 2005 31"	17mmT4	DIF,VF,PL,PATCH,UB,NND,PATCHY,R=P
PGC 23732		Galaxy S
Feb 01 2005 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,PAIR=2550A,R=P
PGC 23809		Galaxy SB
Feb 01 2005 31"	17mmT4	VDIF,EF,PS,OVAL,PATCH,AV,R=P
PGC 24200		Galaxy Dwarf Spiral
Feb 01 2005 31"	17mmT4	EDIF,EF,MS,OVAL,PATCH,AV,DWARF SPR,R=P
PGC 24978		Galaxy Dwarf Irr
Feb 04 2005 31"	17mmT4	EDIF,EF,LOC GOOD,SUSP,PAIR=IC520,R=P
PGC 25939		Galaxy
Apr 03 2005 31"	17mmT4	MF,MS,EL-OVAL,FLNUC,SHISB CNTR,VF* ON EDGE,R=F
PGC 26071		Galaxy SAB(s)d
Mar 26 2003 12.5"	9mmT6	EDIF,EF,PL,PATCH,AV,R=P

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PGC 26091		Galaxy Pec
Mar 26 2003 12.5"	9mmT6	EDIF,EF,ES,PATCH,AV,SUSP,PAIR=2732,R=P
PGC 26284		Galaxy S
Mar 26 2003 12.5"	9mmT6	MF,PS,OVAL,PATCH,B* IN NUC,R=F
PGC 38347		Galaxy Sb
Apr 26 2014 36"	17mmT4	PF,PS,EDGE ON,NND,PA~75,* JUST OF NUC,SMWHT THICKER IN CNTR,SLT HISB,R=F
PGC 43078		Galaxy Sc
Mar 17 2018 36"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,KEEP B DBL * OUT OF FOV,R=F
PGC 46729		Galaxy Double System
Apr 06 2008 31"	17mmT4	EFID,EF,MS,EL,PATCH,UB,NND,PAIR=PGC46811,COMES AND GOES WITH AV,R=P
PGC 46811		Galaxy S
Apr 06 2008 31"	17mmT4	VDIF,VF,PS,PATCH,UB,NND,PAIR=PGC46729,R=P
STOCK23		Open Cluster II 3 p n
Nov 13 2020 36"	55mm	(II 3 p n),EB,EL,~20*S,B** CLOSE TO CNTR,APPEARS AS IF BKN IN TWO,VAR MAG, NICE FOV,(12:24am),R=F
TOMB 5		Open Cluster III 2 r
Nov 13 2020 36"	55mm	(III 2 r),PB,VL,NICE FOV,~100*S,SIM MAG,FEW BTR *S,SC IN CIRCULAR SHAPE,(12:36am),R=FG
VDB 14		Brt Nebula R
Oct 18 2023 12.5"	31mmT5	(Lb 3),DIF,VF, MS,LESS NEB THAN VDB 15,ARND B*S YIELDS BEST DET,W/OII HELPS ARND B*S,PAIR=VDB15,(11:50pm),R=PF
VDB 15		Brt Nebula R
Oct 18 2023 12.5"	31mmT5	(Lb 3),DIF,VF,MS,NEB DET ARND B*,PATCHY,SCANNING ONLY A HINT OF F NEB IN AREAS,W/OIII MORE DET OF NEB ARND B*,GRAN,PAIR=VDB 14,(11:45pm),R=PF

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IC	1313		Galaxy (R')SB(r)ab	
	Aug 23 2009 31"	17mmT4	MB,MS,PATCH,BSNUC,* OFF CNTR,SBM,MHISB CNTR,PATCHY NEB SUR NUC,R=F	
IC	1319		Galaxy Sb	
	Aug 23 2009 31"	17mmT4	MF,MS,OVAL,UB,NND,VF* ON EDGE,PAIR=PGC64672,R=F	
IC	1321		Galaxy (R')SB(r)bc	
	Aug 23 2009 31"	17mmT4	PF,PS,PATCH,UB,NND,R=P	
IC	1324		Galaxy (R')SA(rs)0/a:	
	Sep 13 2009 31"	17mmT4	MB,ML,OVAL,BLNUC,SHISB CNTR,R=G	
IC	1328		Galaxy S	
	Sep 13 2009 31"	17mmT4	DIF,VF,MS,EL TO EDGE ON,UB,NND,R=P	
IC	1334		Galaxy SAa:	F, S
	Sep 13 2009 31"	17mmT4	PF,MS,OVAL,UB,NND,R=F	
IC	1336		Galaxy Sa?	
	Sep 13 2009 31"	17mmT4	VF,PS,PATCH,NND,R=P	
IC	1337		Galaxy SAB(r)b pec:	
	Sep 13 2009 31"	17mmT4	MF,ML,R,UB,NND,R=F	
IC	1339		Galaxy SAB(rs)b pec:	
	Sep 13 2009 31"	17mmT4	PF,ML,OVAL,LVFNUC,R=F	
IC	1356		Galaxy S	
	Sep 13 2009 31"	17mmT4	MB,MS,R,BLNUC,GRAD BM,MHISB CNTR,R=F	
IC	1386		Galaxy SA0-:	
	Sep 13 2009 31"	17mmT4	MF,ML,R,BSNUC,SHISB CNTR,R=F	
IC	1389		Galaxy S	
	Sep 13 2009 31"	17mmT4	VDIF,EF,MS,OVAL,UB,NND,R=P	
IC	1393		Galaxy S0	
	Sep 28 2013 36"	17mmT4	MF,MS,OVAL-R,FLNUC,R=F	
	Aug 23 2009 31"	17mmT4	MF,MS,EL,FSNUC,AGCS 963,R=F	
IC	1408		Galaxy S0	
	Aug 23 2009 31"	17mmT4	MF,MS,EL,BSNUC,SMWHT MHISB CNTR,R=F	
IC	1412		Galaxy (R')SB0+ pec	
	Aug 23 2009 31"	17mmT4	MF,PS,EL,BSNUC,SHISB CNTR,F* OUTER EDGE,R=F	
IC	4999		Galaxy SB(rs)c?	

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IC	4999		Galaxy SB(rs)c?
	Aug 23 2009 31"	17mmT4	VF,ML,PATCH,UB,NND,3FI*S SUR EDGE,R=P
IC	5005		Galaxy SB(s)cd:
	Aug 23 2009 31"	17mmT4	DIF,VF,MS,OVAL,PATCH,UB,NND,3 VF*S IN LINE IN EDGE,R=P
IC	5078		Galaxy SA(s)c:
	Sep 13 2009 31"	17mmT4	VDRI,VF,VL,EL TO EDGE ON,UB,NND,* IN CLOSE TO NUC RGN,NUC BULGE,R=F
IC	5088		Galaxy SA(r)0/a
	Sep 16 2009 31"	17mmT4	MF,MS,R,FLNUC,R=F
IC	5122		Galaxy S0:
	Sep 28 2013 36"	17mmT4	MF,MS,R,NND,PAIRS=7103/7104,R=F
	Aug 23 2009 31"	17mmT4	PF,PS,OVAL,FSNUC,AGCS 963,R=P
IC	5124		Galaxy S
	Aug 23 2009 31"	17mmT4	VF,PS,OVAL,NND,AGCS 963,R=P
MAC	2033-1120		Galaxy
	Sep 13 2009 31"	17mmT4	VF,PS,PATCH,NND,PAIR=6931,R=P
MAC	2101-1431		Galaxy
	Sep 27 2005 31"	17mmT4	VF,VS,PATCH,NND,PAIR=PGC65923,AV,R=P
MAC	2106-2521		Galaxy
	Sep 17 2009 31"	17mmT4	EF,VS,PATCH,AV ONLY A FEW TIMES AFTER SVRL MINUTES,AGC 3744,R=P
MAC	2106-2524		Galaxy
	Sep 16 2009 31"	17mmT4	VF,VS,PATCH,UB,NND,AGC 3744,R=P
MAC	2106-2527		Galaxy
	Sep 16 2009 31"	17mmT4	EF,VS,PATCH,UB,AV ONLY A FEW TIMES,AGC 3744,R=P
MAC	2106-2532		Galaxy
	Sep 16 2009 31"	17mmT4	LOC GOOD,NO FIND,AGC 3744,R=P
MAC	2106-2532A		Galaxy
	Sep 16 2009 31"	17mmT4	EF,VS,PATCH,AV ONLY ONCE AFTER SVRL MINUTES,AGC 3744,R=P
MAC	2106-2533		Galaxy
	Oct 07 2010 31"	17mmT4	EF,ES,SUSP,AGC 3744,R=P
	Sep 16 2009 31"	17mmT4	LOC GOOD,NO FIND,AGC 3744,R=P
MAC	2106-2533A		Galaxy
	Sep 16 2009 31"	17mmT4	VF,VS,OVAL,*NUC,F GLOW SUR F*,* IN NUC,AGC 3744,R=P

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MAC 2106-2534		Galaxy
Sep 16 2009 31"	17mmT4	VF,VS,PATCH,UB,NND,AGC 3644,R=P
MAC 2106-2540		Galaxy
Oct 07 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,AV FIRST THEN HOLDS,AGC 3744,R=P
MAC 2107-2515		Galaxy
Sep 17 2009 31"	17mmT4	EF,VS,PATCH,AV COMES AND GOES,HOLDS AT TIMES,AGC 3744,R=P
MAC 2107-2516		Galaxy
Sep 17 2009 31"	17mmT4	EF,VS,PATCH,AV COMES AND GOES,HOLDS AT TIMES,AGC 3744,R=P
MAC 2107-2517		Galaxy
Sep 17 2009 31"	17mmT4	VF,VS,PATCH,UB,NND,F* IN EDGE,AGC 3744,R=P
MAC 2107-2522A		Galaxy
Sep 17 2009 31"	17mmT4	VF,VS,PATCH,AV COMES AND GOES AFTER A FEW MINUTES,AGC 3744,R=P
Sep 16 2009 31"	17mmT4	EF,VS,PATCH,AV ONCE OR TWICE,AGC 3744,R=P
MAC 2107-2522B		Galaxy
Sep 17 2009 31"	17mmT4	EF,VS,PATCH,AV ONLY A FEW TIMES AFTER 5 PLUS MINUTES,AGC 3744,R=P
MAC 2107-2522C		Galaxy
Sep 16 2009 31"	17mmT4	VF,VS,PATCH,UB,NND,AGC 3744,R=P
MAC 2107-2523A		Galaxy
Sep 17 2009 31"	17mmT4	EF,VS,PATCH,AV ONLY A FEW TIMES AFTER 5 PLUS MINUTES,AGC 3744,R=P
MAC 2107-2523B		Galaxy
Sep 17 2009 31"	17mmT4	EF,ES,PATCH,AV ONLY ONCE AFTER SVRL MINUTES,SUSP,AGC 3744,R=P
MAC 2107-2524A		Galaxy
Sep 16 2009 31"	17mmT4	EF,VS,PATCH,CANNOT SEP FROM MAC2107-2524D,BOTH GLXY ON TOP OF EACH OTHER,AGC 3744,R=P
MAC 2107-2524B		Galaxy
Sep 17 2009 31"	17mmT4	EF,VS,PATCH,TOOK A WHILE WITH AV,AV ONLY A FEW TIMES,AGC 3744,R=P
MAC 2107-2524D		Galaxy
Sep 16 2009 31"	17mmT4	EF,VS,PATCH,CANNOT SEP FROM MAC2107-2524A,BOTH GLXY ON TOP OF EACH OTHER,AGC 3744,R=P
MAC 2107-2525A		Galaxy
Sep 16 2009 31"	17mmT4	VF,VS,AGC 3744,R=P
MAC 2107-2527		Galaxy
Sep 16 2009 31"	17mmT4	VF,PS,PATCH,AV FIRST THEN HOLDS,AGC 3744,R=P

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MAC 2107-2528		Galaxy	
Sep 16 2009 31"	17mmT4	VF,PS,PATCH,VF*	IN GLXY,AV FIRST THEN HOLDS,AGC 3744,R=P
MAC 2107-2529		Galaxy	
Oct 07 2010 31"	17mmT4	VF,PS,PATCH,HARD TO HOLD WITH AV,	AGC 3744,R=P
MAC 2107-2531		Galaxy	
Sep 16 2009 31"	17mmT4	EF,PS,PATCH,AV ONLY ONCE AFTER SVRL MINUTES,	AGC 3744,R=P
MAC 2107-2532		Galaxy	
Sep 16 2009 31"	17mmT4	EF,ES,LOC GOOD,NO FIND,VF* NEXT TO GLXY,	CANNOT SEE GLXY,SUSP,AGC 3744,R=P
MAC 2107-2534A		Galaxy	
Sep 16 2009 31"	17mmT4	VF,VS,PATCH,UB,NND,AGC 3744,R=P	
Sep 16 2009 31"	17mmT4	VF,VS,PATCH,UB,NND,AGC 3744,R=P	
MAC 2107-2534B		Galaxy	
Sep 16 2009 31"	17mmT4	EF,VS,PATCH,AV ONLY ONCE AFTER SVRL MINUTES,	AGC 3744,R=P
MAC 2107-2534C		Galaxy	
Sep 16 2009 31"	17mmT4	EF,ES,LOC GOOD,NO FIND,AGC 3744,R=P	
MAC 2107-2535		Galaxy	
Oct 07 2010 31"	17mmT4	PF,PS,OVAL,UB,NND,AGC 3744,R=F	
MAC 2107-2536A		Galaxy	
Sep 16 2009 31"	17mmT4	VF,VS,R,BSNUC,AGC 3744,R=F	
MAC 2107-2536B		Galaxy	
Sep 16 2009 31"	17mmT4	EF,VS,PATCH,AV ONLY A FEW TIMES,AGC 3744,R=P	
MAC 2107-2537		Galaxy	
Sep 16 2009 31"	17mmT4	EF,VS,PATCH,UB,NND,AGC 3744,R=P	
MAC 2107-2538A		Galaxy	
Sep 16 2009 31"	17mmT4	VF,VS,EL,UB,NNC,AGC 3744,R=P	
MAC 2107-2538B		Galaxy	
Sep 16 2009 31"	17mmT4	VF,ES,R,*NUC,F* WHERE GLXYAXY LOCATED,F PATCH DET,*NUC OR F* NEXT TO GLXY,AGC 3744,R=P	
MCG -4-50-4		Galaxy S	
Sep 16 2009 31"	17mmT4	VF,VS,PATCH,NND,VF*	OFF EDGE,PAIR=PGC66292,R=P
NGC 6897		Galaxy Sbc	VF,S
Aug 23 2009 31"	17mmT4	PF,MS,OVAL,PATCH,NND,R=F	

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NGC 6898			Galaxy (R')SB(rs)a:	F,S,IR
Aug 23 2009 31"	17mmT4	MF,MS,EL,FLNUC,SHISB CNTR,* OFF ONE EDGE,R=F		
NGC 6903			Galaxy SAB0- pec:	CL,E,BM*17,*10ATT N
Jun 25 2019 36"	17mmT4	VB,VL,RSLV TO CORE,TIGHT BCORE,B*S W/100'S FTR GOING INTO CORE,R=E		
Aug 23 2009 31"	17mmT4	MF,ML,OVAL,BSNUC,MHISB,B* OFF EDGE,R=G		
NGC 6907		H141-3	Galaxy SBbc	CF,CL,VLE,VGLBM,3STP
Jul 08 1983 12.5"	16mm	EDIF,PF,MS,F* TO E 1 GLXY DIA,UB,NND,OVAL		
Jul 10 1981 12.5"	16mm	DIF,EL,S BAR BRT THAN ANY PART OF GLXY		
NGC 6908			Galaxy SB(s)bc	EF,VS,LE,6907P
Aug 23 2009 31"	17mmT4	MF,PL,FLNUC,GRAD BM,SPR ARM,B H2 RGN IN ARM,"S" SHAPED,R=E		
NGC 6912			Galaxy SB(s)c	VF,2*14,15NP,*8F
Aug 23 2009 31"	17mmT4	MF,ML,OVAL,PATCH,UB,NND,R=F		
NGC 6924			Galaxy SA(s)0-:	VF,PS,R,SBMN
Sep 13 2009 31"	17mmT4	MB,ML,OVAL,BSNUC,VF* OFF EDGE,R=F		
NGC 6931			Galaxy Sb pec?	EF,PS,E120,GBM
Sep 13 2009 31"	17mmT4	MB,ML,OVAL TO EDGE ON,VFLNUC,VF* OFF NUC,PAIR=MAC,R=G		
NGC 6936			Galaxy SA0- sp:	VF,VS,R,SLBM
Jun 20 1980 12.5"	24mm	VF,NOT SURE OF FIND		
NGC 6986			Galaxy SB0-?	VF,VS,R,GLBMN
Sep 13 2009 31"	17mmT4	MF,MS,R,FLNUC,R=F		
NGC 7016			Galaxy E0	VF,ES,R,BMN,1ST OF 3
Sep 16 2009 31"	17mmT4	MF,ML,FLNUC,AGC 3744,R=F		
NGC 7017			Galaxy S0	EF,VS,R,BMN,2ND OF 3
Sep 16 2009 31"	17mmT4	MF,ML,FLNUC,AGC 3744,R=F		
NGC 7018			Galaxy E	VF,VS,VLE,GLBM,3 OF3
Sep 16 2009 31"	17mmT4	MF,ML,OVAL,UB,NND,SHISB,AGC 3744,R=F		
NGC 7019			Galaxy SB(s)b:	VF,VS,R,SBMN
Sep 13 2009 31"	17mmT4	VF,MS,EL,UB,NND,EDGE OF AV,R=P		
NGC 7030			Galaxy (R')SB(r)ab pec	VF,VS,IR,BMN
Sep 13 2009 31"	17mmT4	MB,ML,OVAL,NND,SHISB,R=G		
NGC 7035			Galaxy SAB(s)0:	EF,S,IR
Sep 16 2009 31"	17mmT4	PF,MS,OVAL,FLNUC,CAN SPLIT THE TWO,PAIR=NGC7035A,R=F		

Capricornus - The Horned Goat

NGC 7035A		Galaxy L	
Sep 16 2009 31"	17mmT4	PF,MS,OVAL,FLNUC,CAN SPLIT THE TWO,PAIR=NGC7035,R=F	
NGC 7073		Galaxy Sa/b	VF,VS,IR
Sep 13 2009 31"	17mmT4	MF,PL,PATCH,UB,NND,R=G	
NGC 7099	M30	Globular	GCL,B,L,LE,GPMBM
Nov 13 2023 12.5"	12mmT4	VB,VL,A 2 VF LINES OF *S COMING OUT OF NUC TO THE N AND NW,OBVIOUS,NEVER SEEN BEFORE,RSLV TO CORE,BEST VIEW TD,MORE *S RSLV TO N OF NUC,R=E	
Jul 01 2019 36"	17mmT4	(Class III),VB,VL,BSNUC,CORE HISB,LOOSELY SC BTR *S W/MANY F*S RSLV,CORE RSLV,BEST VIEW TO DATE,R=E	
Sep 28 2013 36"	17mmT4	M30,EB,VL,HISB,ABCLASS VI,OUT A DOZEN B* WITH HUNDREDS FTR *,RSLV TO CORE,HISB CORE,CORE ELR=E	
Sep 04 2005 10"	12mmT4	VB,PL,RSLV TO CORE,SVRL HUNDRED *S,HISB IN CORE,F OUTER HALO GLOW,R=E	
Jul 08 1983 12.5"	16mm	MB,PL,BNUC,MORE *S SC TO N,B*S TO N,BNUC,OUTER *S RSLV	
Jul 10 1981 12.5"	16mm	MB,PS,B CNTR RGN,GBM,HALO OF F*S	
Sep 10 1980 12.5"	24mm		
NGC 7103		Galaxy E+1	VF,VS,R,GBM,1ST OF 2
Nov 13 2023 12.5"	9mmT6	MF,MS,R,SBNUC,BM,R=F	
Sep 28 2013 36"	17mmT4	MF,ML,OVAL-R,BLNUC,BM,PAIRS=7104/IC5122,R=F	
Aug 23 2009 31"	17mmT4	MF,MS,R,FLNUC,AGCS 963,R=F	
NGC 7104		Galaxy E0 pec:	VF,VS,IR,GBMN,2NDOF2
Sep 28 2013 36"	17mmT4	MF,ML,OVAL-R,NND,PAIRS=7103/IC5122,R=F	
Aug 23 2009 31"	17mmT4	MF,MS,R,FSNUC,AGCS 963,R=F	
NGC 7131		Galaxy (R')SA(rs)0^?	VF,S,VLE,VGBM
Sep 13 2009 31"	17mmT4	MB,ML,OVAL,BSNUC,GREATLY MBM,SHISB CNTR,R=G	
NGC 7158		Galaxy	VFNEB*,*9.5NF3'
Aug 23 2009 31"	17mmT4	PF,VS,R,VFSNUC,R=F	
PAL 12		Globular	
Jul 01 2019 36"	17mmT4	(Class XII),VF,MS,PATCH,UB,NND,NO CL OF *S IN CORE,SATELLITE WENT THROUGH OBJ,R=P	
PGC 64672		Galaxy Sc	
Aug 23 2009 31"	17mmT4	DIF,EF,MS,PATCH,UB,NND,PAIR=IC1319,R=P	
PGC 64721		Galaxy SAB(s)c:	
Aug 23 2009 31"	17mmT4	VF,PS,EDGE ON,UB,NND,R=P	
PGC 64822		Galaxy	
Sep 13 2009 31"	17mmT4	MF,MS,OVAL,FLNUC,IC1322 NON-EXISTENT IS NEXT TO OBJ,R=F	
PGC 64942		Galaxy S?	
Sep 13 2009 31"	17mmT4	DIF,EF,MS,OVAL,NND,AV FIRST THEN HOLDS,R=P	

Capricornus - The Horned Goat

PGC 65409		Galaxy SA(r)0+ pec?
Sep 04 2005 31"	17mmT4	DIF,VF,VS,R,FVSNUC DET,PAIRS=PGC'S,R=P
PGC 65412		Galaxy S?
Sep 04 2005 31"	17mmT4	DIF,VF,PS,OVAL,PATCH,UB,NND,PAIRS=PGC'S,R=P
PGC 65414		Galaxy S
Sep 04 2005 31"	17mmT4	EDIF,EF,ES,PATCH,NND,AV,V CLOSE TO DBL *,COMES AND GOES,PAIRS=PGC'S,R=P
PGC 65415		Galaxy S0^ pec sp
Sep 04 2005 31"	17mmT4	DIF,VF,ML,EDGE ON,UB,NND,PAIRS=PGC'S,R=P
PGC 65923		Galaxy SB(rs)0+ pec:
Sep 27 2005 31"	17mmT4	PF,MS,EL,FLNUC,PAIR=MAC,R=F
PGC 66149		Galaxy S
Sep 16 2009 31"	17mmT4	PF,PS,OVAL,UB,NND,AGC 3744,R=F
PGC 66158		Galaxy S
Sep 16 2009 31"	17mmT4	VF,PS,PATCH,UB,NND,AGC 3744,R=P
PGC 66174		Galaxy L
Sep 17 2009 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,AGC 3744,R=P
PGC 66292		Galaxy S
Sep 16 2009 31"	17mmT4	EF,VS,EDGE ON,LOG GOOD,SUSP,PAIR=MCG-4-50-4,R=P
PGC 66293		Galaxy E
Sep 16 2009 31"	17mmT4	VF,VS,PATCH,UB,NND,R=P
PGC 67095		Galaxy S0?
Sep 28 2013 36"	17mmT4	MF,MS,OVAL-R,FLNUC,R=F
PGC 67111		Galaxy L
Sep 28 2013 36"	17mmT4	EF,MS,OVAL,PATCH,UB,NND,LOC IN BARREN FOV,R=P

Cassiopeia - The Queen

ABELL 82		Planetary Neb
Sep 02 2008 31"	17mmT4	DIF,EF,ML,OVAL,CNTR*15MAG,OTHER F*S IN NEB CLOSE TO CNTR,OIII HELPS DET NEB,R=P
Sep 19 2004 31"	17mmT4	VDIF,W/OIII,VF,ML,OVAL,PATCH,B* IN CTR,3F*S IN NEB ONE SIDE,L BALL/PATCH,R=F
BERK 2		Open Cluster I 1 m
Nov 11 2020 36"	17mmT4	(I 1 p),MB,ML,FEW B*,F GLOW,*S SMWHT SAME MAG,~30*S,(9:57pm),R=PF
BERK 58		Open Cluster IV 2 p
Nov 11 2020 36"	17mmT4	(II 2 p),PB,ML,~20*S,LOOSELY SC,V LTL CL,VAR MAG *S,(9:20pm),R=P
CR 15		Open Cluster II 2 p
Nov 13 2020 36"	17mmT4	(II 2 p),VB,ML,NICE FOV,F* IN LINE IN CNTR,LOOSELY SC,~15*S,LTL CONC,(10:02pm),R=F
CR 26		Open Cluster II 3 m n
Nov 13 2020 36"	55mm	(II 3 m n),EB,EL,*S VAR MAG,SAME SIZE AS FOV,SC,HINT OF NEB,W/OIII,NEB EASILY DET,MOSTLY CNTR OF CL,(10:30pm),R=FG
CR 34		Open Cluster I 3 p
Nov 13 2020 36"	55mm	(I 3 p),EB,ML,~15*S,B* IN CNTR WITH FTR *S CL SUR* VAR MAG,SC,SIM TO FOV *S,IN EDGE OF LBN 667,(11:59pm),R=P
CR 36		Open Cluster III 2 m
Nov 13 2020 36"	55mm	(III 2 p),EB,EL,~15-20*S,NICE IN FOV,SC,*S VAR MAG,(12:10am),R=PF
CR 463		Open Cluster III 2 m
Nov 13 2020 36"	55mm	(III 2 r),EEB,EEL,FILLS FOV,LOOSELY SCATT,MANY *S VAR MAG,(10:15pm),R=F
IC 10		Galaxy IBm
Sep 11 2004 31"	17mmT4	VF,MS,OVAL,PATCH,UB,SVRL *S IN GLXY,R=P
IC 59		Brn Nebula E+R
Sep 07 2023 12.5"	17mmT4	(Lb 3),DIF,VF,ML,LOC GOOD,KEEP B* OUT OF FOV,R PATCH OF VF NEB DET,F GLOW IN SMWHT BARREN * FIELD,OIII NO GOOD,(12:50am),R=F
Sep 18 2004 31"	17mmT4	VDIF,VF,VL,SVRL FOV'S,SCAN AREA,VF NEB DET IN PATCHES,OIII NO GOOD,R=P
IC 63		Brn Nebula E+R
Sep 22 2022 12.5"	9mmT6	(Lb 2),PF,ML,W/OIII,DOES NOT HELP,PATCHY AREAS,BKN,EDGES NOT WELL DEF,FTR NEB DET W/AV,(1:44am),R=F
Sep 18 2004 31"	17mmT4	VDIF,PF,ML,EL,L,EL PATCH OF NEB,SHISB,B NEB,R=G
IC 166		Open Cluster II 1 r
Sep 18 2004 31"	17mmT4	PF,ML,SVRL B*S WITH MANY F*S IN BG,~50-100*S,S CL,R=F
IC 289		Planetary Neb 4+2
Oct 07 2010 31"	12mmT4	MB,ML,CNTR* JUST BARELY VISIBLE,~17 MAG,NEB PATCHY,R=G
Oct 07 2010 31"	17mmT4	MB,SM,R,UB,NO CNTR*,OIII HELPS LTL,NEB PATCHY NOT R,R=G
Sep 18 2004 31"	17mmT4	MF,ML,R,UB,W/OIII,GREENISH,DARK PATCH IN CNTR SUSP,NO CNTR *,R=E
IC 1590		Open Cluster n

Cassiopeia - The Queen

IC	1590		Open Cluster n
Sep 18 2004 31"	17mmT4	MB,ML,-8*S VAR MAG,CNTR *S FORM A TRI WITH NEB,PAIR=281,R=F	
IC	1747		Planetary Neb 3b
Oct 07 2010 31"	12mmT4	PB,MS,R,DARK HOLE IN CNTR,SLT BTR ONE SIDE,OIII DOESNOT HELP MUCH,NO CNTR*,R=G	
Oct 07 2010 31"	17mmT4	MB,VS,R,B BLUE,CNTR RGN DARK,HOLE,NO CNTR*,OIII HELPS SMWHT ONE SIDE BTR THAN OTHER,R=G	
Sep 18 2004 31"	17mmT4	PB,MS,W/OIII,R,DARK CNTR SUSP,BR BLUEISH BALL,R=E	
IC	1805		Brn Nebula E
Nov 13 2020 36"	31mmT5	(Lb 3),DIF,MF,EEL,W/OIII,AWESOME,ESP ON CR 26,SCAN TO ALL OUTER PARTS,PATCHES,RIFS,WISPS,BEST PART E&S OF CR 26,GOOD CONT BET DARK SKY & NEB,(10:46pm),R=G	
Nov 13 2020 36"	55mm	(Lb 3),DIF,MF,EEL,SVRL FOV'S,PATCHY,CR 26 WITHIN BOUNDARY,SOME NEB W/O FILTER,W/OIII,PATCHY AREAS,(10:36pm),R=FG	
Sep 18 2004 31"	17mmT4	PB,PL,-20*S,VAR MAG,CL,HINT OF NEB IN AREA,R=F	
IC	1848		Open Cluster I 3 p n
Nov 13 2020 36"	55mm	(I 3 p n),EB,VL,IN HEART OF LBN 667,2 B*S IN CNTR WITH NEB SUR *S,W/OIII,NEB IN AREA DET,(11:24pm),R=F	
Sep 18 2004 31"	17mmT4	PB,VL,FEW B*S,2B*S IN CNTR,V LTL CL DET,SC,R=P	
IC	1871		Brn Nebula E
Sep 18 2004 31"	17mmT4	VDIF,VF,ML,AREA OF NEB DET,SCAN FOV EITHER DIRECTION,SUSP,R=P	
KING	12		Open Cluster II 1 p
Sep 22 2022 12.5"	9mmT6	(II 2 p),MB,ML,CL EL CONC DET,FEW B*S,MANY FTR *S,`25*S,RICH FOV,LOOKS LIKE ** IN CNTR,(11:13pm),R=FG	
KING	13		Open Cluster II 2 m
Nov 11 2020 36"	17mmT4	(II 2 p),PB,VL,WIDELY SC,*S VAR MAG,-30*S,MOSTLY F,-14 MAG,(9:36pm),R=PF	
KING	14		Open Cluster III 1 p
Nov 11 2020 36"	17mmT4	(III 1 p),PB,ML,LTL CL,* SIM MAG,FEW B*S,(10:06pm),R=FG	
KING	16		Open Cluster I 2 m
Nov 11 2020 36"	17mmT4	(I 2 p),MB,MS,LOOSELY SC,SMWHT CL,* VAR MAG,-20*S,(10:21pm),R=F	
KING	21		Open Cluster I 2 p
Sep 22 2022 12.5"	9mmT6	(II 2 p).MF,MS,3 B*S CLOSE IN,FEW FTR *S CL OFF BOTH EDGES OF BTR *S,-20 *S,CL DET,FICH FOV,(10:57pm),R=PF	
LBN	667		Brn Nebula E
Nov 13 2020 36"	31mmT5	W/OIII,BEST DETAIL	
Nov 13 2020 36"	55mm	(Lb 2),DIF MG,EEEL,W/OIII,5-7 FOV'S,IC 1848 AT ONE END,CR 34 THE OTHER,BOTH OC AND LBN EASILY DET,SCAN OUTER EDGES WELL DEF,PATCHES,DARK AREAS,BSECTIONS,GOOD CONTRAST W OF CR 34,(11:30pm),R=G	
NGC	103		Open Cluster II 1 m
Sep 18 2004 31"	17mmT4	MF,ML,-20*S,SLT CL,VAR MAG,R=F	CL,PS,PC,*11...18

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NGC 110		Open Cluster IV 1 p	CL,PR,LC,*9...12
Sep 18 2004 31"	17mmT4	VB,EL,MANY *S SVRL FOV,SC,VAR MAG,R=P	
NGC 129		H79-8	Open Cluster III 2 m
Sep 28 2013 36"	17mmT4	VF,EL,~40*S,LOOSELY SC,LTL CL,FILLS FOV,R=F	CL,VL,PR,LC,*9...13
Aug 13 1982 12.5"	24mm	MB,BL,SC,BLENDS WITH FIELD *S	
NGC 133		Open Cluster IV 1 p	CL,PL,*10...,D*INV
Sep 18 2004 31"	17mmT4	PB,ML,5-7*S LOOSELY SC,SLT CL,R=P	
NGC 136		H35-6	Open Cluster II 1 p
Sep 28 2013 36"	17mmT4	MB,ML,~20*S SIM MAG,GOOD CL,FEW BTR,*S, GOOD FOV,R=G	GCL,VF,S,EC
Aug 13 1982 12.5"	16mm	MF,VS,R,*S RSLV,20*S,F PATCH IN 24MM	
NGC 146		Open Cluster II 2 p	CL,PL,LC,*11-12,D*
Sep 18 2004 31"	17mmT4	PB,ML,~15*S,LOOSELY SC,SLT CL,R=F	
NGC 147		Galaxy E5 pec	VF,VL,IR,GSMBM*11
Sep 28 2013 36"	17mmT4	MF,EL-OVAL,VSNUC,DIF F HALO ACROSS FOV,MANY F*S IN HALO,B*S IN NUC AREA,R=FG	
Jul 31 1981 12.5"	24mm	EL,VDIF,UB,DWARF SATELLITE TO M31	
Jul 15 1980 12.5"	24mm	EF,VS,THIN	
NGC 185		H707-2	Galaxy E3 pec
Sep 28 2013 36"	17mmT4	PB,PL,OVAL,UB,MHISB,SVRL VF* IN GLXY AREA,R=G	PB,VL,IR,VGMBM,R
Jul 31 1981 12.5"	24mm	DIF,SETLLAR NUC,DIF HALO,R TO OVAL IN SHAPE	
Sep 18 1980 12.5"	24mm		
Aug 22 1980 12.5"	24mm		
Aug 19 1980 12.5"	24mm		
Jul 17 1980 12.5"	24mm		
Jul 15 1980 12.5"	24mm	DIF,EF,PL,AV	
NGC 189		Open Cluster III 1 p	CL,PL,R,*11...15
Sep 18 2004 31"	17mmT4	PB,ML,~12*S,CL,SC,SIM MAG,R=F	
NGC 225		H78-8	Open Cluster III 1 p n
Nov 11 2020 36"	55mm	(II 1 p),EB,EL,BARELY FITS FOV,* SIM MAG,~20*S,(10:10pm),R=F	CL,L,LC,*9...10
Sep 28 2013 36"	17mmT4	PB,EL,~15*S,LOOSELY SC,SIM MAG,DOESNOT STAND OUT WELL,R=PF	
Aug 13 1982 12.5"	24mm	MB,PL,18-21 *S,SPREADS OUT WELL,*S ~SAME MAG	
NGC 278		H159-1	Galaxy SAB(rs)b
Sep 28 2013 36"	17mmT4	VB,VL,R,BSNUC,SBM,MHISB,SOME GRAN SUR NUC,NICE FOV,R=GE	CB,PL,R,2*10NR
Jul 31 1981 12.5"	12mm	GMBM,DIF HALO SEEN,SMWHT OVAL,HISB	
Sep 18 1980 12.5"	20mm	GREAT	
Aug 22 1980 12.5"	24mm		
Aug 19 1980 12.5"	24mm		
Jul 24 1980 12.5"	24mm		
Jul 17 1980 12.5"	24mm		

Cassiopeia - The Queen

NGC 278		H159-1	Galaxy SAB(rs)b	CB,PL,R,2*10NR
Jul 15 1980	12.5"	24mm	GREAT!!!	
Jun 18 1980	12.5"	24mm		
NGC 281			Brn Nebula E	F,VL,DIF,STRIP*NP
Sep 22 2022	12.5"	9mmT6	(Lb 1),DIF,PF,ML,L AREA BKN NEB SUR IC 1590,NEB FADES INTO SPACE,OIII NO GOOD,PAIR=IC 1590,(2:04am),R=F	
Sep 18 2004	31"	17mmT4	DIF,MF,ML,NEB DET SUR TRI OF *S,PAIR=IC1590,R=G	
NGC 366			Open Cluster II 3 m	CL,S
Sep 18 2004	31"	17mmT4	PB,ML,~20*S VAR MAG,V SHAPE,M CL,R=F	
NGC 381			H64-8	Open Cluster III 1 m
Sep 28 2013	36"	17mmT4	VB,BL,~30*S,LOOSELY SC,FILLS FOV,R=F	CL,PC
Jul 31 1981	12.5"	24mm	BLENDS IN WITH FIELD OF *S OF ~SAME MAG	
Sep 03 1980	12.5"	24mm		
NGC 433			Open Cluster III 2 p	CL,S,LC
Sep 18 2004	31"	17mmT4	MB,ML,~10*S,ONE B* IN CNTR,M CL,SC,SIM MAG,R=F	
NGC 436			H45-7	Open Cluster I 2 m
Aug 13 1982	12.5"	24mm	MF,MS,20-30 *S,LOOSE,SC	CL,S,IF,PC
NGC 457			H42-7	Open Cluster II 3 r
Jul 31 1981	12.5"	16mm	B*S,FEW *S ~20,L SC THROT EYEPIECE	CL,B,L,PRI,*7,8,10
Jul 17 1980	12.5"	24mm		
NGC 559			H48-7	Open Cluster I 1 m
Jul 31 1981	12.5"	24mm	FEW B*S, MOSTLY FTR *S ~10...11 MAG,~50*S IN ALL	CL,B,PL,PRI
NGC 581		M103	Open Cluster II 2 m	CL,PL,B,R,RI,*10..11
Nov 11 2020	36"	31mmT5	(II 2 m),EB,VL,NICE FOV,B CARBON (RED) * IN CL,SMWHT CL,*S VAR MAG,(10:37pm),R=G	
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Jul 31 1981	12.5"	24mm	PB,ML,*S 7...10 MAG,TRIANGLE SHAPE	
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Sep 18 1980	12.5"	24mm		
Sep 03 1980	12.5"	24mm		
Jul 17 1980	12.5"	24mm		
NGC 609			Open Cluster 14.0 II 3 r	CL,S,PRI,*14...
Sep 18 2004	31"	17mmT4	MF,ML,~50*S,CL,SIM MAG,NICE IN 17MM,R=G	
NGC 637			H49-7	Open Cluster I 2 m
Jul 31 1981	12.5"	24mm	S IN SWHT BARREN * FIELD,FEW F*S SEEN	CL,PS,B\$VF ST
NGC 654			H46-7	Open Cluster II 2 r
Jul 31 1981	12.5"	24mm	SM,LTL DIFF SEEN IN CL,FEW *S	CL,IF,RI,1*6.7,

Cassiopeia - The Queen

NGC 657		Open Cluster	CL,PRI,ST12
Sep 18 2004 31"	17mmT4	MB,ML,LOOSE,SC,~50*S,NO CL DET,R=P	
NGC 659		H65-8	Open Cluster I 2 m
Aug 13 1982 12.5"	24mm	MF,MS,SC,APPEARS TO BE BKN IN CNTER,CLOSE TO 663	CL,LRI,ST B
NGC 663		H31-6	Open Cluster II 3 r
Jul 31 1981 12.5"	16mm	PL,CL BKN IN HALF,DARK PATCH THROUGH CL	CL,B,L,ERI,ST PL
NGC 743		Open Cluster IV 1 p	CL,NOTRI,D*
Sep 18 2004 31"	17mmT4	PB,PL,~15*S,LOOSELY SC,CL,SIM MAG,R=F	
NGC 886		Open Cluster IV 2 p	CL,L,LC,SC,ST9...13
Sep 18 2004 31"	17mmT4	PB,PL,~30*S LOOSELY SC,VAR MAG,R=P	
NGC 896		H695-3	Brn Nebula E
Nov 13 2020 36"	31mmT5	(Lb 2),DIF,VB,EEL,W/OIII,AWESOME,PATCHY AREAS STAND OUT IN FOV,2-3 FOV'S,DK AREAS THROUGH OUT,(10:55pm),R=GE	EF,PL,IF
Sep 06 2002 12.5"	9mmT6	PF,EL,B NEB,F HINT OF B AREA COMPARED TO BG,LOC GOOD	
NGC 1027		H66-8	Open Cluster II 3 m n
Aug 13 1982 12.5"	24mm	VB,VL,B* IN CL,15*S	CL,L,SC ST,ONE10M
NGC 1343		H694-3	Galaxy SAB(s)b: pec
Jan 30 2003 12.5"	9mmT6	MB,PL,R,FNUC,S HISB,F* OFF TO ONE SIDE,FACE ON,R=G	F,VS,IR,GBM,D*V NR
NGC 7635		H52-4	Brn Nebula E
Sep 07 2023 12.5"	17mmT4	(Lb 1),DIF,MF,PL,NICE IN FOV,PATCHY AREAS,BKN,SOME AREAS BTR THAN OTHERS,EL SHAPE,W/OIII EDGES HARD TO DEF,(12:21am),R=G	VF,*8INV L EXCENTRIC
Jul 31 1981 12.5"	16mm	VDIF,IRR IN SHAPE,NEB SUR B*,BUBBLE NEB	
NGC 7654	M52	Open Cluster II 2 r	CL,L,RI,MCM,R,*9..13
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Jul 31 1981 12.5"	24mm	PB,VL,7-8*,UB,R,B* N SIDE OF M52	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jul 17 1980 12.5"	24mm		
Jun 20 1980 12.5"	24mm		
NGC 7788		Open Cluster I 2 p	CL,S,PRI,VC,*10,13..
Sep 19 2004 31"	17mmT4	PB,PL,FEW B*S WITH ~20*S FTR *S,CL,NICE IN 17MM,R=F	
NGC 7789		H30-6	Open Cluster II 2 r
Jul 31 1981 12.5"	24mm	~50-100*S,A LOT OF F*S ASSOC WITH CL	CL,VL,VRI,VMC,*11.18
Jun 20 1980 12.5"	24mm		
NGC 7790		H56-7	Open Cluster II 2 m
Jul 31 1981 12.5"	24mm	FEW *S,SC IN FIELD *S	CL,PRI,PC

Cassiopeia - The Queen

PGC 11282**Galaxy S?**

Jan 29 2014 36" 17mmT4 EF,PS,EDGE ON,LOC GOOD, AV ON NUC AREA ONLY,NO ARMS,SUSP,R=P

SH2 163**Brn Nebula E**

Sep 07 2023 12.5" 17mmT4 (Lb 4),DIF,EF,VS,LOC GOOD,W/AV V LTL NEB SUSP,(12:30am),R=P

Centaurus - The Centaur

NGC 4696**Galaxy E+1 pec****PB,L,R,GBM,R**

Apr 12 2023 36" 17mmT4 MB,ML,PATCH,LBNUC,SHISB,7 DEG ABOVE HOR,R=F

NGC 5102**Galaxy SA0-****VB,PS,R,SVMBM**

Apr 12 2023 36" 17mmT4 PB,PL,EL,LBNUC,12 DEG ABOVE HOR,SMBM,HISB MID,R=FG

NGC 5124**Galaxy E6:****VF,S,VLE**

Apr 26 2006 31" 17mmT4 MB,MS,EL,BLNUC,SHISB CNTR,PAIR=5126,R=G

NGC 5126**Galaxy S0/a pec sp****VF,VS**

Apr 26 2006 31" 17mmT4 DIF,MF,MS,EL,UB,NND,PAIR=5124,R=F

NGC 5128**Galaxy S0 pec****VB,VL,VME122,BIFID**

Apr 16 2009 31" 31mmT5 EDIF,EF,EL,CAN ONLY SUSP,L AREA OF F BG HAZE,SUSP,R=P

Mar 20 2009 31" 17mmT4 VDIF,VF,ML,OVAL,PATCH,6 DEG ABOVE HRZN,* IN GLXY,F GLOW DET,R=P

NGC 5253**H638-2****Galaxy Pec****B,PL,E45,PSMBM**

Mar 09 2021 36" 17mmT4 VB,VL,OVAL,BVLNUC,HISB,HISB HALO,VMBM,HISB CNTR,R=GE

NGC 5408**Galaxy IB(s)m****EF,E BET2VS***

Apr 12 2023 36" 17mmT4 EF,PS,PATCH,NND,AV FIRST THEN HOLDS,R=P

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- BERK 59** **Open Cluster I 3 m n**
Nov 11 2020 36" 17mmT4 (I 3 m),PB,VL,ALM FILLS FOV,BKN HALVES,VAR MAG *S,~30*S,(9:33pm),R=F
- BERK 94** **Open Cluster II 3 p n**
Aug 30 2022 12.5" 9mmT6 (II 3 p n),MB,MS,~15*S VAR MAG,TRI SHAPE,SC,SOME F NEB DET IN CL,(12:30am),R=FG
- CED 214** **Brn Nebula E+R**
Sep 07 2023 12.5" 17mmT4 (Lb 2),DIF,MF,EEL,SVRL FOV'S,RICH * FIELD,NEB PATCHES,BKN DET WHILE SCANNING AREA,SOFT AREAS WITH NO EDGE DET,OIII NO GOOD,(12:41am),R=G
- CR 427** **Open Cluster IV 1 p n**
Sep 12 2012 36" 17mmT4 VF,MS,~10*S SIM MAG,OUTER EDGE OF NGC 7023,R=P
- IC 455** **Galaxy S0**
Sep 06 2002 12.5" 9mmT6 VDIF,VF,VS,OVAL PATCH,UB,PAIR/2276/2300
- IC 469** **Galaxy SAB(rs)ab:**
Sep 06 2002 12.5" 9mmT6 DIF,PF,PS,OVAL PATCH,UB,LOC INSIDE OF A BOX OF *S
- IC 1396** **Open Cluster IV 3 m n**
Sep 07 2023 12.5" 17mmT4 (Lb 2),DIF,VB,ML,V RICH * FIELD,CR 439 VL ~100 *S FILLS FOV,3 MULTI-COLOR *S CLOSE IN CNTR WITH PATCHY GRAN NEB DET,DARK RGN W OF CNTR DET,PATCHY NEB ARND DARK RGN,OIII NO GOOD,HBeta SUSP,(11:11pm),R=G
Jun 24 2022 36" 31mmT5 (IV 3 m n),EB,EEL,SVRL FOV'S,V RICH FOV,NICE TRI OF *S IN CNTR,AREA'S OF NEB DET,i*S VAR MAG,CANNOT DET CL,(3:27am),R=P
Sep 18 2004 31" 25mm EB,EL,~50*S,VAR MAG,SVRL FOV'S,LOOSELY SCATTERD,2 D*S IN CNTR,R=P
- IC 1454** **Planetary Neb 4**
Sep 12 2012 36" 17mmT4 MF,MS,R,PATCH,UB,2F*S ON EDGE,NO CNTR *,W/OIII,R NEB WITH DARK INNER CIRCLE,R=G
Jun 20 2004 31" 17mmT4 W/OIII,PB,PL,R,UB,VR,SHARP EDGES,DARK CNTR,2F*S ON OUTER EDGE,R=G
- IC 1470** **Brn Nebula E**
Sep 07 2023 12.5" 12mmT4 (Lb 2),DIF,MB,VS,LOOKS LIKE A S COMET,B N SIDE BALL,F S SIDE TAIL,AV REVEALS MORE NEB,(12:00am),R=G
Sep 18 2004 31" 17mmT4 DIF,W/OIII,PB,ML,BNUC,SHISB,COMET LIKE,GMBM,B* IN BEB,BLUE-GREENISH,R=G
- IC 1502** **Galaxy S0+**
Oct 12 2012 36" 17mmT4 MF,MS,EL,BLNUC,HISB CNTR,R=FG
Jun 24 2003 12.5" 9mmT6 MF,PS,PATCH,*NUC,SHISB,2F*S ON EDGE OF GLXY,SMWHT BM,*NUC SUSP,R=F
- KING 10** **Open Cluster II 1 m**
Aug 30 2022 12.5" 9mmT6 (II 1 m),PF,MS,~20-30*S SIM MAG,CL BUT NOT MUCH CONC,BTR *S SC BOTH SIDES,RICH * FOV,(1:27am),R=F
- KING 18** **Open Cluster II 2 p**
Aug 30 2022 12.5" 9mmT6 (II 2 p),MF,MS,~10-15*S,SMWHT VAR MAG,CL DET,SC,RICH * FOV,(1:00am),R=F
- KING 19** **Open Cluster III 2 p**
Sep 22 2022 12.5" 9mmT6 (III 2 p),MB,ML,FEW B *S MORE FTR *S,CL BUT NOT CONC,EASILY DET,~20*S,(10:37pn),R=F

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LBN 497		Brт Nebula	
Sep 12 2012 36"	17mmT4	PB,ML,3-5 SC B* EACH WITH NEB SUR **S,SOME PATCH NEB AREAS,INSIDE N7133,R=G	
MINK 2-51		Planetary Neb 2+3	
Jun 20 2004 31"	17mmT4	PF,MS,R,WITH OIII,VF* IN CNTR,R=G	
NGC 40		H58-4	Planetary Neb 3b+3
Sep 02 2008 31"	17mmT4	PB,ML,OVAL,LAYERS OF RINGS DET,B CNTR*,GREENISH,F* ON EDGE,OIII NO HELP,R=E	F,VS,R,VSMBM,*12SP
Jul 09 1983 12.5"	12mm	MB,PS,BNEC,B CNTR *,SHARP EDGES,R	
Aug 13 1982 12.5"	16mm	BG COLOR,MF,PS,R,B CNTR *,(10TH MAG),SIM TO BLINKING PL,F*W SIDE	
Aug 13 1982 12.5"	7mm	EL STARTING TO SHOW UP	
NGC 188		Open Cluster I 2 r	CL,VL,R,150-200*
Nov 11 2020 36"	31mmT5	(II 1 r),VB,EL,>100 **S, SIM MAG,WELL PLACED IN FOV,CL,(10:31pm),R=FG	
Jul 09 1983 12.5"	24mm	MF,PL,~50**S SC,F BG GLOW OF MANY **S	
NGC 1184		H704-2	Galaxy S0/a
Jan 30 2003 12.5"	9mmT6	MB,PL,EDGE ON,FNUC,SBM,CNTR BULGE,R=G	F,PL,ME
Sep 06 2002 12.5"	9mmT6	MB,ML,EL,SMWHT EDGE ON,HISB CNTR,GMBM,CNTR BULGE	
NGC 1544		Galaxy S?	VF,VS
Jan 30 2003 12.5"	9mmT6	PF,MS,OVAL,PATCH,FNUC,2F**S BOTH SIDES,F*IN GLXY,SNUC,SBM,R=F	
NGC 2276		Galaxy SAB(rs)c	F,60",LBM
Sep 06 2002 12.5"	9mmT6	DIF,PF,VL,OVAL,UB,NND,CLOSE TO B*,PAIR/2300/IC455	
NGC 2300		Galaxy SA0^	PB,PL,LE,BM
Sep 06 2002 12.5"	9mmT6	VB,PL,R,MHISB,BM,PAIR/2276/IC455	
NGC 6939		H42-6	Open Cluster II 1 r
Jul 09 1983 12.5"	24mm	MB,PL,~100**S,SMWHT V SHAPED,CL HAS DEFINITE EDGE,PAIR/6946	CL,PL,ERI,PCM,*11.16
Jun 06 1981 12.5"	16mm	PF,PL	
Aug 19 1980 12.5"	32mm	LOC THIS FIRST BEFORE 6946	
NGC 6946		H76-4	Galaxy SAB(rs)cd
Sep 12 2012 36"	17mmT4	PB,VL,BSNUC,SPR ARMS,KNOTS IN ARMS DET,H2 RGN DET,R=E	VF,VL,VG,VSMBM,RR
Jun 22 2003 12.5"	9mmT6	VB,EL,R,NND,SHISB,AREAS OF PATCHES DET,SVRL **S IN GLXY,R=E	
Jul 09 1983 12.5"	24mm	MF,VL,OVAL,3B**S TO ONE SIDE,SVRL F**S IN GLXY,SPR STR SUSP,PAIR/6939	
Aug 14 1982 12.5"	16mm	EDIF,MF,PL,PATCHY,OVAL,NND,**S IN GLXY,SEE CARD FOR DRAWING	
Jun 06 1981 12.5"	16mm	DIF,VL,MB,SOME SPR STR DET,FACE ON,SEVEAL **S IN GLXY,RESEMBLES M33	
Aug 19 1980 12.5"	32mm	VF,COULD NOT FIND IN 24MM	
NGC 6949		Galaxy S?	EF,PS,IR
Sep 12 2012 36"	17mmT4	MF,MS,OVAL,SNUC,SHISB CNTR,SLT BM,* OR **S IN CNTR,R=F	
Jun 22 2003 12.5"	9mmT6	VDIF,VF,ML,OVAL,PATCH,UB,NND,AV,LOC IN RICH * FOV,R=P	
NGC 6952		Galaxy SAB(rs)bc	PB,OVAL,DIF,*15NR F

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NGC 6952		Galaxy SAB(rs)bc	PB,OVAL,DIF,*15NR F
Sep 12 2012 36"	17mmT4	MB,MS,OVAL,BSNUC,F HALO SUR NUC,SOME SPR STR,HISB CNTR,3 VF*S IN ARMS,R=G	
Jun 22 2003 12.5"	9mmT6	MB,PL,OVAL,BNUC,SHISB,SBM,AREAS OF B RGN SUR NUC,R=G	
Jul 06 2002 12.5"	16mm	VDIF,VF,MS,PATCH,OVAL,F* ONE SIDE	
Jul 09 1983 12.5"	16mm	EDIF,VF,MS,OVAL,SBM,* TO W SIDE	
Aug 14 1982 12.5"	16mm	BAR MAYBE SUSP	
Aug 14 1982 12.5"	24mm	DIF,MF,MS,BNUC,R,F* OFF E SIDE	
Jun 06 1981 12.5"	16mm	DIF,MF,ML,DNUC,F HALO,14* IN OR SUR GLXY	
NGC 7023		H74-4 Brt Nebula R	*7IN EF,EL,NEBY
Sep 07 2023 12.5"	12mmT4	(Lb 1),DIF,VB,ML,B* IN CNTR,GRAN NED DET,NICE FOV,NEB BKN EDGES,OIII NO GOOD,(10:44pm),R=E	
Sep 12 2012 36"	17mmT4	PB,VL,3*S WITH NEB,FINE DETAIL IN WISP OF NEB,GREENISH,OIII NO HELP,PATCHES,DRK AREAS,PAIR=CR 427,R=G	
Jul 09 1983 12.5"	12mm	DIF,MB,MS,GAS SUR B*,SOME DETAIL IN GAS DET	
NGC 7076		H936-3 Planetary Neb 3b	VF,ER
Jun 20 2004 31"	17mmT4	W/OIII,PF,ML,R,ONE SIDE BTR THAN OTHER,R=F	
NGC 7129		H75-4 Open Cluster IV 2 p n	CF,PL,GBM***
Sep 12 2012 36"	17mmT4	MB,ML,15*S LTL CL,VAR MAG,SC,PAIR=7133,R=P	
Jun 20 2004 31"	17mmT4	PB,PL,LOOSELY SC,~10 *S,PAIR=7133,R=F	
Aug 11 1982 12.5"	24mm	MF,PS,R-OVAL,4*S ON OUTSIDE EDGE,1F* IN CNTR OF OBJ,SAME FOV AS 7142	
NGC 7133		Brт Nebula R	VF,PL
Sep 07 2023 12.5"	17mmT4	(Lb 1),DIF,PB,MS,3 B *S 1 FTR IN CNTR OF BOX LIKE NEB,PATCHY,BKN,OIII NO GOOD,2 NGC OC'S ASSOC WITH LBN 424 NOT MUCH OF AN OC,(111:22pm),R=G	
Sep 12 2012 36"	17mmT4	PB,ML,3-5 SC B* EACH WITH NEB SUR *S,SOME PATCH NEB AREAS,PAIR=7129,R=G	
Jun 20 2004 31"	17mmT4	MB,PL,L B NEB,AREA OF NEB,CL OF LOOSELY *S,R=G	
NGC 7139		H696-3 Planetary Neb 3b	VF,CS,R,R
Sep 12 2012 36"	17mmT4	MB,ML,R,UB,W/OIII,SOME PATCHY DARK AREAS,OIII HELPS BRING OUT MORE DETAIL,R=G	
Aug 25 1982 12.5"	24mm	VDIF,VF,ML,R,BARELY VISIBLE IN 24MM,F* IN S PART OF NEB,UB	
NGC 7142		H66-7 Open Cluster I 2 r	CL,CL,CRI,PC,*11..14
Jun 24 2022 36"	31mmT5	(I 2 r),VB,VL,NICE IN FOV,F* CL BUT EVENLY DIST,SVRL BTR *S SC,(3:38am),R=F	
Jul 09 1983 12.5"	24mm	MB,ML,LOOSE-SC,~40*S SAME MAG	
Aug 11 1982 12.5"	24mm	MF,VL 3OR 4 B*S WITH HUNDREDS OF F*S SC,PAIR/7129	
NGC 7160		H67-8 Open Cluster I 3 p	CL,P,VLC
Jul 09 1983 12.5"	24mm	MB,ML,COUPLE OF B*S IN CL WITH FTR *S,~50*S,LOOSE	
Aug 11 1982 12.5"	24mm	VB,MS,2B*S IN CNTR,20-30 *S,DOES NOT STAND OUT WELL IN FOV	
NGC 7226		Open Cluster I 2 m	PB,L,IN CLUSTER
Sep 12 2002 12.5"	32mm	PB,ML,~20*S SAME MAG,STANDS OUT WELL	
NGC 7234		Open Cluster cluster?	CL,S,P,LC
Jun 20 2004 31"	17mmT4	MF,PS,~7 *S SIM MAG,R=F	

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NGC 7234		Open Cluster cluster?	CL,S,P,LC
Sep 12 2002 12.5"	32mm	PF,VS,~10*S SIM MAG,F GLOW PRESENT	
Sep 18 1982 12.5"	16mm	DIF,VF,PS,R,SBM,CLOSE PAIR/7235	
NGC 7235		H63-8	Open Cluster II 3 m
Jun 24 2022 36"	17mmT4	(II 3 m),VB,ML,NICE FIT IN FOV,*S VAR MAG,CL DET,SMWHT CONC,(3:51am),R=FG	CL,PC,HAS RUBY*10
Jun 20 2004 31"	17mmT4	VB,VL,LOOSELY SC,VAR MAG,WELL PLACED IN 17MM,R=G	
NGC 7261		Open Cluster II 3 m	CL,L,PRI,LC
Jul 09 1983 12.5"	24mm	MB,PL,LOOSE SC,~30*S	
NGC 7281		Open Cluster IV 2 p	CL,L,PRI,LC,*10...16
Jun 20 2004 31"	17mmT4	PB,ML,~20 *S,VAR MAG,LOOSELY SC,R=F	
NGC 7352		Open Cluster cluster?	CL,VL,PRI,VLC
Jun 20 2004 31"	17mmT4	PB,ML,~10 *S SC,R=P	
NGC 7354		H705-2	Planetary Neb 4+3b
Sep 12 2012 36"	17mmT4	PB,ML,R,UB,MHISB,BLUEISH GREEN,NO CNTR*,OIII DARKENS NEB AND BRINGS OUT MORE DET,PATCHY,DARK AREAS,R=E	PLN,B,S,R,PGVLBM
Sep 02 2008 31"	17mmT4	PB,ML,R,UB,GREENISH,NO CNTR* TOO F,OIII DOESNOT HELP MUCH,R=E	
Jul 09 1983 12.5"	12mm	VF,PS,2F*S ON EDGE,VR,SOFT UB GLOW	
NGC 7380		H77-8	Open Cluster III 2 m n
Jul 09 1983 12.5"	24mm	MB,PL,SAME DEC AS 7261,L TRI SHAPE,LOOSE,SC,~50*S	CL,PL,PRI,LC,*9...13
Aug 11 1982 12.5"	24mm	MB,PL,50-70*;S,F GLOW BET *S,TRI SHAPE CL,GRT > 10 ARC MIN	
NGC 7419		H43-7	Open Cluster I 2 m
Sep 04 2002 12.5"	32mm	PB,ML,FEW B*S WITH GLOW IN BG	CL,PRI,CC
NGC 7423		H745-3	Open Cluster II 2 m
Aug 30 2022 12.5"	9mmT6	(II 2 m),PF,MS,SOME BTR *S WITH MANY FTR *S,CL,SMSHT CONC,RICH * FOV,(1:14am),R=PF	VF,PL,IF,ER
Jun 20 2004 31"	17mmT4	MF,PL,~50 *S SAME MAG,SOME B*S FOREGR,R=G	
NGC 7429		Open Cluster IV 2 p	CL,P,PC,*9...11
Sep 18 2004 31"	17mmT4	PB,ML,~10*S,LOOSE & SC,VAR MAG,R=F	
NGC 7510		H44-7	Open Cluster II 3 r n
Sep 22 2022 12.5"	9mmT6	(II 3 r n),VB,PL,B & F *S VAR MAG,NICE IN FOV,~40-50*S,F NEB DET,V SHAPE,BTR *S CONC IN A LINE,(10:25pm),R=G	CL,PRI,PC,FAN-SH,B*P
Jul 09 1983 12.5"	16mm	MB,MS,ARROW HEAD SHAPE,~40*S,SIM TO M103	
Aug 11 1982 12.5"	24mm	MB,VS,B*S RESEMBLE TRI,F*S NW,~30*S,STANDS OUT WELL	
NGC 7538		H706-2	Brn Nebula E
Sep 07 2023 12.5"	17mmT4	(Lb 1),DIF,MB,ML,2 F*S IN BALL OF NEB,PATCHY,EDGES BKN,W/OIII NEB APPEARS LGR AND MORE GRAN,(12:11am),R=GE	VF,L,2PB*INV
Sep 18 2004 31"	17mmT4	W/OIII,PB,PL,UB,SHISB,2 B*S IN CTR,WISPS OF NEB,SPR SHAPE,GREENISH,R=E	

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NGC 7708		H62-8	Open Cluster	CL,L,P,LC,*8,10...15
Sep 18 2004 31"	25mm	VB,EL,~50"S,SVRL FOV'S,VAR MAG,SC,R=P		
NGC 7762		H55-7	Open Cluster II 2 m	CL,PRI,PC,*11...15
Jul 09 1983 12.5"	24mm	MF,ML,DOESNOT STAND OUT WELL,LOOSE		
NGC 7822			Brт Nebula R	EEF,EEL
Sep 18 2004 31"	25mm	EDIF,EF,EL,L B NEB,SOME NEB SUSP,SVRL DEG,LOC B* GRP THEN SCAN,R=P		
PAL 1			Globular	
Feb 21 2020 36"	17mmT4	(Class ~ XII),VF,VS,OVAL,PATCH,NND,AV FIRST THEN HOLDS,R=P		
Sep 18 2004 31"	17mmT4	VDIF,EF,MS,PATCH,UB,AV,* HOPPED,LOC GOOD,PATCH AREA WITH AV,R=P		
PGC 12391			Galaxy Im	
Sep 06 2002 12.5"	9mmT6	EF,ES,*,LOC GOOD		
PGC 20028			Galaxy Double System	
Dec 28 2008 31"	17mmT4	DIF,VF,MS,OVAL,PATCH,NND,PAIR=PGC20066,R=P		
PGC 20066			Galaxy E?	
Dec 28 2008 31"	17mmT4	PF,MS,OVAL,VFSNUC,VF* OFF EDGE,PAIR=PGC20028,R=F		
PGC 20191			Galaxy S	
Dec 28 2008 31"	17mmT4	PF,MS,EDGE ON,PATCH,NND,R=F		
PGC 65255			Galaxy Sbc	
Jul 24 2006 31"	17mmT4	MB,ML,EL,PATCH,UB,SHISB,R=G		
PGC 69376			Galaxy Sc	
Sep 12 2012 36"	17mmT4	PF,PS,EL,PATCH,UB,NND,CIGAR SHAPE,R=F		
SH2 132			Brт Nebula E	
Sep 07 2023 12.5"	31mmT5	(Lb 2),DIF,MF,EEL,V RICH FOV,F NEB DET WITH PATCHES OF DARK AREAS,SOME B PATCHES DET BY SCANNING FOV,W/OIII HELP ALOT,L PATCH OF NEB EASILY DET,SVRL FOV'S,(11:35pm),R=G		
SH2 155			Brт Nebula	
Sep 07 2023 12.5"	17mmT4	(Lb 2),DIF,MF,PL,FITS NICE IN FOB,NEB DET IN PATCHES ARND/BET 2"S OF 4*LS IN AN ARCH,OIII NO GOOD,(11:48pm),R=FG		
Sep 02 2008 31"	31mmT5	EDIF,EF,EEL,PATCH,SVRL FOV,FEW B PATCHES DET,VF BG GLOW AREAS,R=P		

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ARP 251B		Galaxy
Sep 17 2009 31"	17mmT4	VF,PS,OVAL,UB,NND,B* CLOSE BY,WASHES OUT GRP,PAIR=PGC3163/ARP251,R=P
ARP 251C		Galaxy
Sep 17 2009 31"	17mmT4	EF,VS,CANNOT DETECT,LOC GOOD,B* CLOSE BY,WASHES OUT GRP,PAIR=PGC3163/ARP251,R=P
CGCG 384-28		Galaxy E
Oct 12 2012 36"	17mmT4	MF,PS,BSNUC,AGC 119,R=F
IC 2		Galaxy Sb
Dec 12 2012 36"	17mmT4	VF,PS,OVAL,UB,NND,R=PF
IC 18		Galaxy Sb
Sep 16 2009 31"	17mmT4	MF,PS,EL,UB,NND,PAIR=IC19,R=F
IC 19		Galaxy E
Sep 16 2009 31"	17mmT4	MF,PS,R,BSNUC,PAIR=IC18,R=F
IC 48		Galaxy S0
Oct 13 2007 31"	17mmT4	MB,MS,R,BLNUC,SHISB CNTR,BM,R=G
IC 49		Galaxy SAB(s)c
Oct 13 2007 31"	17mmT4	VF,MS,OVAL,PATCH,UB,NND,R=P
IC 50		Galaxy E
Oct 13 2007 31"	17mmT4	MB,PS,R,BSNUC,R=F
IC 51		Galaxy S0 pec?
Oct 13 2007 31"	17mmT4	MF,MS,OVAL,UB,NND,B AREA OUTER ARM (*),R=F
IC 56		Galaxy SAB(r)cd:
Oct 13 2007 31"	17mmT4	EF,VS,PATCH,UB,NND,R=P
IC 77		Galaxy S0
Sep 19 2012 36"	17mmT4	PF,PS,PATCH,UB,NND,AGC 151,R=PF
IC 78		Galaxy SA(rs)a pec:
Sep 19 2012 36"	17mmT4	MF,MS,EL,FSNUC,SBM,PAIR=MAC,R=F
IC 80		Galaxy E
Sep 19 2012 36"	17mmT4	MF,MS,PATCH,UB,NND,SHISB,AGC 151,R=F
IC 80B		Galaxy SA0- pec:
Sep 19 2012 36"	17mmT4	VF,VS,PATCH,UB,NND,AGC 151,R=P
IC 164		Galaxy E+:
Nov 22 2006 12.5"	12mmT4	VF,PS,OVAL,PATCH,UB,NND,R=P

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IC	168		Galaxy Sa
	Nov 22 2006 12.5"	12mmT4	VF,PS,OVAL,PATCH,UB,NND,R=F
IC	176		Galaxy Sc:
	Dec 12 2012 36"	17mmT4	PF,PS,EDGE ON,PA~90,UB,NND,R=P
IC	177		Galaxy S0
	Nov 22 2006 12.5"	12mmT4	EF,PS,PATCH,AV,R=P
IC	184		Galaxy SB(r)a:
	Sep 16 2009 31"	17mmT4	MB,ML,UB,NND,SHISB,R=F
IC	194		Galaxy Sb: sp
	Dec 12 2012 36"	17mmT4	VF,PS,EDGE ON,UB,NND,PA~10,R=P
	Nov 22 2006 12.5"	12mmT4	VF,VS,PATCH,UB,NND,R=P
IC	214		Galaxy Pec
	Oct 12 2007 31"	17mmT4	MF,MS,R,FLNUC,PAIR=MAC,R=F
IC	215		Galaxy Sab
	Oct 12 2007 31"	17mmT4	MF,MS,EDGE ON,NND,THIN SLIVER,R=F
IC	217		Galaxy Sc
	Oct 12 2007 31"	17mmT4	MB,ML,EDGE ON,UB,NND,MHISB,F* OFF TIP,R=G
IC	218		Galaxy S
	Oct 12 2007 31"	17mmT4	VF,MS,EL-EDGE ON,PATCH,UB,NND,PAIR=867,R=F
IC	219		Galaxy E?
	Oct 12 2007 31"	17mmT4	MF,MS,OVAL,BLNUC,R=F
IC	225		Galaxy E
	Oct 12 2007 31"	17mmT4	VF,MS,OVAL,PATCH,UB,NND,R=P
IC	230		Galaxy E/S0
	Sep 12 2007 31"	17mmT4	PF,PS,OVAL-R,FSNUC,R=F
IC	247		Galaxy SB(rs)bc pec?
	Sep 06 2002 12.5"	9mmT6	EDIF,VF,PS,PATCH,COMES AND GOES WITH AV,LOC GOOD
IC	273		Galaxy SBa: sp
	Nov 22 2006 12.5"	12mmT4	VF,MS,EL-OVAL,PATCH,UB,NND,R=F
IC	277		Galaxy SB(rs)bc
	Nov 22 2006 12.5"	12mmT4	MF,MS,PATCH,FSNUC,R=F
IC	283		Galaxy Spiral

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IC 283		Galaxy Spiral
Nov 22 2006 12.5"	12mmT4	EF,VS,PATCH,AV,R=P
IC 298		Galaxy Ring A
Nov 17 2012 36"	17mmT4	PF,MS,EL,TOUCH=IC298A,BOTH APPEAR AS ONE ,EL GLXY WITH VF AREAS IN BOTH ENDS,R=PF
IC 298A		Galaxy Ring B
Nov 17 2012 36"	17mmT4	PF,MS,EL,TOUCH=IC298,BOTH APPEAR AS ONE ,EL GLXY WITH VF AREAS IN BOTH ENDS,R=PF
IC 1520		Galaxy S?
Nov 11 2009 31"	17mmT4	VF,MS,OVAL,PATCH,UB,NND,R=P
IC 1529		Galaxy (R')SA(r)0^ p
Oct 12 2012 36"	17mmT4	MB,ML,R,BLNUC,MHISB,F GRAN HALO SUR NUC,R=G
IC 1563		Galaxy S0 pec sp
Sep 17 2009 31"	17mmT4	MF,MS,OVAL,FLNUC,F* BET GLXY,PAIR=191,R=G
IC 1571		Galaxy Sb
Oct 13 2007 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,R=F
IC 1575A		Galaxy S
Sep 17 2009 31"	17mmT4	MF,MS,OVAL,FLNUC,SHISB,PAIR=IC1575B,CANNOT SEP,ON TOP OF EACH OTHER,APPEAR AS ONE GLXY,R=F
IC 1575B		Galaxy S
Sep 17 2009 31"	17mmT4	MF,MS,OVAL,FLNUC,SHISB,PAIR=IC1575A,CANNOT SEP,ON TOP OF EACH OTHER,APPEAR AS ONE GLXY,R=F
IC 1599		Galaxy S
Sep 04 2005 31"	17mmT4	VDIF,EF,MS,PATCH,UB,NND,BARRON * FOV,PAIR=MAC,R=P
IC 1600		Galaxy S
Sep 04 2005 31"	17mmT4	VDIF,EF,MS,OVAL,PATCH,UB,NND,FEW VF*S IN FOV,R=P
IC 1613		Galaxy IB(s)m
Sep 02 2008 31"	31mmT5	EDIF,EEF,EEL,PATCH,UB,ONE PATCHY AREA DET,SVRL FOV'S,BG GLOW AV,R=P
IC 1622		Galaxy S?
Sep 18 2009 31"	17mmT4	MB,ML,OVAL,PATCH,UB,NND,R=G
IC 1623		Galaxy Irr
Sep 18 2009 31"	17mmT4	PB,ML,OVAL,HISB,ON TOP OF IC1623A,APPEAR AS ONE,TOUCH=IC1623B,PAIRS=IC1623B,IC1623A,R=G
IC 1623A		Galaxy S pec:
Sep 18 2009 31"	17mmT4	PB,ML,OVAL,HISB,ON TOP OF IC1623,APPEAR AS ONE,TOUCH=IC1623B,PAIRS=IC1623B,IC1623,R=G

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IC	1623B		Galaxy L
Sep 18 2009	31"	17mmT4	MB,ML,OVAL,PATCH,UB,NND,TOUCH=IC1623A,PAIRS=IC1623A/IC1623,R=G
IC	1696		Galaxy E+
Sep 18 2009	31"	17mmT4	MF,VS,R,BLNUC,SHISB CNTR,AGC 194,R=F
IC	1741		Galaxy S0/a
Nov 22 2006	12.5"	12mmT4	VF,VS,OVAL,PATCH,UB,NND,R=F
IC	1756		Galaxy Scd:
Nov 22 2006	12.5"	12mmT4	EF,VS,PATCH,AV,SVRL VF*S IN AND SUR GLXY,R=P
IC	1865		Galaxy Sbc
Nov 22 2006	12.5"	12mmT4	VF,PS,EL,PATCH,UB,NND,R=P
IC	1867		Galaxy L
Nov 22 2006	12.5"	12mmT4	VF,MS,OVAL,PATCH,UB,NND,R=P
IC	1869		Galaxy
Nov 22 2006	12.5"	12mmT4	VF,PS,PATCH,UB,NND,VF* IN EDGE OF GLXY,R=F
IC	1873		Galaxy S0?
Nov 22 2006	12.5"	12mmT4	EF,VS,AV,R=P
MAC	0015-2342		Galaxy
Sep 12 2012	36"	17mmT4	EF,VS,PATCH,AV HARD TO HOLD,AGC 14,R=P
MAC	0015-2343		Galaxy
Sep 12 2012	36"	17mmT4	EF,VS,PATCH,AV HARD TO HOLD,AGC 14,R=P
MAC	0015-2354A		Galaxy
Sep 12 2012	36"	17mmT4	EF,VS,PATCH,LOC IN BARRON FOV,AV FIRST THEN HOLDS,AGC 14,R=P
MAC	0015-2356		Galaxy
Sep 12 2012	36"	17mmT4	EF,VS,SUSP,AGC 14,R=P
MAC	0016-2352		Galaxy
Sep 12 2012	36"	17mmT4	EF,VS,PATCH,AV FIRST THEN HOLDS,AGC 14,R=P
MAC	0016-2354		Galaxy
Sep 12 2012	36"	17mmT4	EF,VS,PATCH,AV FIRST THEN HOLDS,AGC 14,R=P
MAC	0031-0508		Galaxy
Sep 16 2009	31"	17mmT4	EF,VS,PATCH,NND,PAIR=145,AV TOOK A WHILE,R=P
MAC	0032-0505		Galaxy
Sep 16 2009	31"	17mmT4	VF,VS,PATCH,NND,PAIRS=MAC,R=P

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MAC 0032-0506		Galaxy
Sep 16 2009 31"	17mmT4	MF,VS,R,BLNUC,ONE OF THE BTEST MAC'S,PAIR=MAC,R=F
MAC 0054-2331		Galaxy
Sep 04 2005 31"	17mmT4	VDIF,EF,PS,PATCH,UB,BARRON * FOV,AV FIRST THEN HOLDS,PAIR=IC1599,R=P
MAC 0055-0104		Galaxy
Oct 12 2012 36"	17mmT4	EF,VS,PATCH,TOOK AV A WHILE TO DETECT,AGC 119,R=P
MAC 0055-0109		Galaxy
Oct 12 2012 36"	17mmT4	VF,VS,PATCH,AGC 119,R=PF
MAC 0055-0112A		Galaxy
Oct 12 2012 36"	17mmT4	VF,VS,PATCH,AGC 119,R=P
MAC 0055-0114A		Galaxy
Oct 12 2012 36"	17mmT4	VF,VS,PATCH,AGC 119,R=P
MAC 0055-0115		Galaxy
Oct 12 2012 36"	17mmT4	VF,VS,PATCH,AGC 119,R=P
MAC 0055-0118A		Galaxy
Oct 12 2012 36"	17mmT4	PF,VS,OVAL,FSNUC,AGC 119,R=PF
MAC 0055-0118B		Galaxy
Oct 12 2012 36"	17mmT4	VF,VS,PATCH,AGC 119,R=PF
MAC 0055-0121		Galaxy
Oct 12 2012 36"	17mmT4	PF,VS,OVAL,FSNUC,AGC 119,R=PF
MAC 0056-0108A		Galaxy
Oct 12 2012 36"	17mmT4	EF,ES,PATCH,AV FIRST THEN HOLDS,AGC 119,R=P
MAC 0056-0108B		Galaxy
Oct 12 2012 36"	17mmT4	EF,ES,PATCH,AGC 119,R=P
MAC 0056-0109		Galaxy
Oct 12 2012 36"	17mmT4	EF,ES,PATCH,AV FIRST THEN HOLDS,AGC 119,R=P
MAC 0056-0110		Galaxy
Oct 12 2012 36"	17mmT4	VF,ES,PATCH,NND,AGC 119,R=P
MAC 0056-0113B		Galaxy
Oct 12 2012 36"	17mmT4	VF,VS,PATCH,UB,AGC 119,R=F
MAC 0056-0115C		Galaxy
Oct 12 2012 36"	17mmT4	EF,ES,PATCH,AV FIRST THEN HOLDS,AGC 119,R=P

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MAC 0056-0116A Galaxy
Oct 12 2012 36" 17mmT4 VF,PS,EL,UB,NND,AGC 119,R=P

MAC 0056-0116D Galaxy
Oct 12 2012 36" 17mmT4 EF,ES,SUSP,AGC 119,R=P

MAC 0056-0120A Galaxy
Oct 12 2012 36" 17mmT4 VF,VS,PATCH,AGC 119,R=F=P

MAC 0056-0123A Galaxy
Oct 12 2012 36" 17mmT4 VF,ES,PATCH,AGC 119,R=P

MAC 0056-0132B Galaxy
Oct 12 2012 36" 17mmT4 VF,VS,PATCH,UB,AGC 119,R=F

MAC 0057-0117 Galaxy
Oct 12 2012 36" 17mmT4 VF,VS,R,*NUC,AV FIRST,HARD TO HOLD,AGC 119,R=P

MAC 0057-0118 Galaxy
Oct 12 2012 36" 17mmT4 EF,VS,PATCH,HARD TO HOLD,AV COMES AND GOES,BARRON FOV,AGC 119,R=P

MAC 0057-0120 Galaxy
Oct 12 2012 36" 17mmT4 EF,ES,PATCH,AV ONLY ONCE,AGC 119,R=F

MAC 0057-0122A Galaxy
Oct 12 2012 36" 17mmT4 VF,VS,PATCH,AGC 119,R=P

MAC 0057-0123 Galaxy
Oct 12 2012 36" 17mmT4 VF,VS,PATCH,AGC 119,R=P

MAC 0107+0207 Galaxy
Oct 12 2012 36" 17mmT4 EF,VS,PATCH,TOOK AV A WHILE TO FIND THEN HOLDS,AGC147,R=P

MAC 0107+0211 Galaxy
Oct 12 2012 36" 17mmT4 EF,ES,PATCH,TOOK AV A WHILE TO FIND,COMP=PGC3991,AGC147,R=P

MAC 0107+0213 Galaxy
Oct 12 2012 36" 17mmT4 EF,VS,PATCH,HARD TO HOLD WITH AV,AGC147,R=P

MAC 0107+0215 Galaxy
Oct 12 2012 36" 17mmT4 EF,VS,PATCH,TOOK AV A WHILE,AV BARELY HOLDS,IN BARRON FOV,AGC147,R=P

MAC 0107+0222 Galaxy
Oct 12 2012 36" 17mmT4 VF,VS,PATCH,UB,R=P

MAC 0107-1521 Galaxy
Sep 19 2012 36" 17mmT4 EF,VS,PATCH,AV HARD TO HOLD,AGC 151,R=P

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MAC 0108+0204 **Galaxy**
 Oct 12 2012 36" 17mmT4 VF,VS,PATCH,AGC147,R=P

MAC 0108+0209A **Galaxy**
 Oct 12 2012 36" 17mmT4 EF,VS,PATCH,AV FIRST THEN HOLDS,AGC147,R=P

MAC 0108+0209B **Galaxy**
 Oct 12 2012 36" 17mmT4 EF,VS,PATCH,AV FIRST THEN HOLDS,AGC147,R=P

MAC 0108+0209C **Galaxy**
 Oct 12 2012 36" 17mmT4 EF,ES,PATCH,AV HARD TO HOLD,AGC147,R=P

MAC 0108+0210A **Galaxy**
 Oct 12 2012 36" 17mmT4 EF,VS,PATCH,HARD TO HOLD WITH AV,AGC147,R=P

MAC 0108+0211A **Galaxy**
 Oct 12 2012 36" 17mmT4 EF,VS,PATCH,AV,AGC147,R=P

MAC 0108+0211B **Galaxy**
 Oct 12 2012 36" 17mmT4 VF,VS,PATCH,NND,AGC147,R=PF

MAC 0108+0212A **Galaxy**
 Oct 12 2012 36" 17mmT4 EF,VS,PATCH,HARD TO HOLD WITH AV,AGC147,R=P

MAC 0108+0212B **Galaxy**
 Oct 12 2012 36" 17mmT4 VF,VS,OVAL,AGC147,R=P

MAC 0108+0212D **Galaxy**
 Oct 12 2012 36" 17mmT4 EF,VS,PATCH,NND,AGC147,R=P

MAC 0108+0217 **Galaxy**
 Oct 12 2012 36" 17mmT4 VF,VS,EL-EDGE ON,UB,NND,VF* IN OUTER EDGE,AGC147,R=P

MAC 0108-1521B **Galaxy**
 Sep 19 2012 36" 17mmT4 EF,VS,AV COMES AND GOES,AGC 151,R=P

MAC 0108-1522A **Galaxy**
 Sep 19 2012 36" 17mmT4 VF,VS,PATCH,UB,NND,AGC 151,R=P

MAC 0108-1523A **Galaxy**
 Sep 19 2012 36" 17mmT4 VF,VS,PATCH,UB,CAN JUST BARELY SPLIT=MAC'S,AGC 151,R=P

MAC 0108-1524A **Galaxy**
 Sep 19 2012 36" 17mmT4 VF,VS,PATCH,UB,CAN JUST BARELY SPLIT=MAC'S,AGC 151,R=P

MAC 0108-1524B **Galaxy**
 Sep 19 2012 36" 17mmT4 VF,VS,PATCH,UB,CAN JUST BARELY SPLIT=MAC'S,AGC 151,R=P

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MAC 0108-1524E Galaxy
 Sep 19 2012 36" 17mmT4 EF,ES,CAN JUST BARELY SPLIT=MAC,AV HARD TO HOLD,ALM TOUCH=IC80,AGC 151,R=P

MAC 0108-1524F Galaxy
 Sep 19 2012 36" 17mmT4 EF,ES,CAN JUST BARELY SPLIT=MAC,AV HARD TO HOLD,ALM TOUCH=IC80,AGC 151,R=P

MAC 0108-1525B Galaxy
 Sep 19 2012 36" 17mmT4 VF,VS,PATCH,AGC 151,R=P

MAC 0108-1526B Galaxy
 Sep 19 2012 36" 17mmT4 PF,PS,PATCH,UB,NND,AGC 151,R=PF

MAC 0108-1529A Galaxy
 Sep 19 2012 36" 17mmT4 VF,VS,PATCH,UB,AGC 151,R=P
 Sep 19 2012 36" 17mmT4 VF,VS,PATCH,AGC 151,R=P

MAC 0108-1530A Galaxy
 Sep 19 2012 36" 17mmT4 VF,VS,PATCH,UB,AGC 151,R=P

MAC 0108-1530B Galaxy
 Sep 19 2012 36" 17mmT4 VF,VS,PATCH,AV FIRST THEN HOLDS,AGC 151,R=P

MAC 0108-1530C Galaxy
 Sep 19 2012 36" 17mmT4 EF,VS,PATCH,AV HARD TO HOLD,AGC 151,R=P

MAC 0108-1532 Galaxy
 Sep 19 2012 36" 17mmT4 EF,VS,PATCH,UB,AV FIRST THEN HOLDS,AGC 151,R=P

MAC 0108-1534 Galaxy
 Sep 19 2012 36" 17mmT4 VF,VS,PATCH,UB,NND,AGC 151,R=P

MAC 0108-1536 Galaxy
 Sep 19 2012 36" 17mmT4 EF,VS,PATCH,AV COMES AND GOES,AGC 151,R=P

MAC 0108-1537A Galaxy
 Sep 19 2012 36" 17mmT4 EF,PS,EL,UB,AV FIRST THEN HOLDS,HARD TO SEP COMP=MAC,AGC 151,R=P

MAC 0108-1537B Galaxy
 Sep 19 2012 36" 17mmT4 EF,PS,EL,UB,AV FIRST THEN HOLDS,HARD TO SEP COMP=MAC,AGC 151,R=P

MAC 0108-1537C Galaxy
 Sep 19 2012 36" 17mmT4 EF,VS,PATCH,UB,B* CLOSE BY,AGC 151,R=P

MAC 0108-1538 Galaxy
 Sep 19 2012 36" 17mmT4 VF,PS,PATCH,UB,AGC 151,R=P

MAC 0108-1539B Galaxy

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MAC 0108-1539B		Galaxy
Sep 19 2012 36"	17mmT4	VF,VS,PATCH,UB,AV FIRST THEN HOLDS,AGC 151,R=P
MAC 0108-1541		Galaxy
Sep 19 2012 36"	17mmT4	VF,VS,PATCH,UB,AGC 151,R=P
MAC 0108-1551		Galaxy
Sep 19 2012 36"	17mmT4	VF,PS,PATCH,UB,PAIR=IC78,R=P
MAC 0108-1729		Galaxy
Sep 18 2009 31"	17mmT4	EF,VS,PATCH,AV ONLY ONCE,SUSP,BARREN * FOV,R=P
MAC 0109-1521B		Galaxy Sb
Sep 19 2012 36"	17mmT4	PF,PS,PATCH,UB,NND,AGC 151,R=P
MAC 0109-1531		Galaxy
Sep 19 2012 36"	17mmT4	EF,VS,PATCH,AV COMES AND GOES,AGC 151,R=P
MAC 0109-1532B		Galaxy
Sep 19 2012 36"	17mmT4	EF,VS,PATCH,SUSP,AGC 151,R=P
MAC 0109-1533B		Galaxy
Sep 19 2012 36"	17mmT4	VF,VS,PATCH,AV FIRST THEN HOLDS,AGC 151,R=P
MAC 0109-1534		Galaxy
Sep 19 2012 36"	17mmT4	EF,VS,PATCH,AV ONLY ONCE,SUSP,AGC 151,R=P
MAC 0109-1536		Galaxy
Sep 19 2012 36"	17mmT4	EF,VS,PATCH,AV FEW TIMES,AGC 151,R=P
MAC 0109-1539		Galaxy
Sep 19 2012 36"	17mmT4	VF,VS,EL,PATCH,UB,CANNOT SEP COMP=MAC,AGC 151,R=P
MAC 0109-1539A		Galaxy
Sep 19 2012 36"	17mmT4	VF,VS,EL,PATCH,UB,CANNOT SEP COMP=MAC,AGC 151,R=P
MAC 0109-1541		Galaxy
Sep 19 2012 36"	17mmT4	EF,VS,PATCH,* OF SIDE,AGC 151,R=P
MAC 0121-0028		Galaxy
Sep 18 2009 31"	17mmT4	VF,VS,PATCH,NND,AV FIRST THEN HOLDS,R=P
MAC 0121-0033A		Galaxy
Sep 18 2009 31"	17mmT4	VF,ES,PATCH,ON EDGE OF PGC4906,CANNOT SEP,EXTENSION OF PGC4906,R=P
MAC 0123-0118		Galaxy
Sep 18 2009 31"	17mmT4	EF,VS,PATCH,TOOK A WHILE FOR AV TO HOLD,AGC 194,R=P

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MAC 0123-0137**Galaxy**

Sep 19 2009 31" 17mmT4 EF,VS,PATCH,NND,AV SHORT WHILE THEN HOLDS,AGC 194,R=P

Sep 18 2009 31" 17mmT4 EF,VS,PATCH,NND,AGC 194,R=P

MAC 0124-0110**Galaxy**

Sep 19 2009 31" 17mmT4 EF,VS,PATCH,UB,TOOK A WHILE FOR AV TO FIND,COMES AND GOES,AGC 194,R=P

MAC 0124-0111**Galaxy**

Sep 19 2009 31" 17mmT4 EF,VS,PATCH,UB,AGC 194,R=P

MAC 0124-0115**Galaxy**

Sep 18 2009 31" 17mmT4 EF,VS,PATCH,AV COMES AND GOES,AFTER A WHILE AV HOLDS,AGC 194,R=P

MAC 0124-0131**Galaxy**

Sep 18 2009 31" 17mmT4 EF,VS,PATCH,AV TOOK A WHILE,COMES AND GOES,AGC 194,R=P

MAC 0124-0133**Galaxy**

Sep 18 2009 31" 17mmT4 VF,VS,PATCH,NND,AGC 194,R=P

MAC 0124-0138**Galaxy**

Sep 19 2009 31" 17mmT4 PF,PS,OVAL,FLNUC,AGC 194,R=F

Sep 18 2009 31" 17mmT4 PF,VS,OVAL,BSNUC,ALM * LIKE NUC,AGC 194,R=F

MAC 0125-0105**Galaxy**

Sep 19 2009 31" 17mmT4 EF,VS,PATCH,NND,AGC 194,R=P

MAC 0125-0110**Galaxy**

Sep 19 2009 31" 17mmT4 EF,VS,PATCH,AV COMES AND GOES AFTER A WHILE,AGC 194,R=P

MAC 0125-0111**Galaxy**

Sep 19 2009 31" 17mmT4 MF,PS,OVAL,UB,NND,AGC 194,R=F

MAC 0125-0116A**Galaxy**

Sep 18 2009 31" 17mmT4 PF,MS,OVAL,FLNUC,AGC 194,R=F

MAC 0125-0117**Galaxy**

Sep 18 2009 31" 17mmT4 VF,VS,PATCH,UB,NND, AV FIRST THEN DIRECT,AGC 194,R=P

MAC 0125-0122A**Galaxy**

Sep 18 2009 31" 17mmT4 VF,VS,PATCH,NND,AV TOOK A WHILE THEN HOLDS,AGC 194,R=P

MAC 0125-0122D**Galaxy**

Sep 18 2009 31" 17mmT4 NO FIND,BARRON AREA,LOC GOOD,AGC 194,R=P

MAC 0125-0144**Galaxy**

Sep 19 2009 31" 17mmT4 EF,VS,AV ONLY ONCE AFTER A WHILE,SUSP ONLY,LOC GOOD,AGC 194,R=P

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MAC 0125-0151		Galaxy
Sep 19 2009 31"	17mmT4	EF,VS,PATCH,AV ONLY ONCE OR TWICE,AGC 194,R=P
MAC 0126-0116		Galaxy
Sep 19 2009 31"	17mmT4	VF,VS,PATCH,AV HOLDS,AGC 194,R=P
MAC 0126-0118		Galaxy
Sep 19 2009 31"	17mmT4	EF,VS,PATCH,AV COMES AND GOES,BARREN AREA,AGC 194,R=P
MAC 0126-0130		Galaxy
Sep 19 2009 31"	17mmT4	EF,VS,PATCH,AV ONLY ONCE OR TWICE,AGC 194,R=P
MAC 0126-0134		Galaxy
Sep 19 2009 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,AGC 194,R=P
MAC 0126-0147		Galaxy
Sep 19 2009 31"	17mmT4	EF,VS,PATCH,UB,NND,AGC 194,R=P
MAC 0126-0149		Galaxy
Sep 19 2009 31"	17mmT4	VF,VS,PATCH,NND,AGC 194,R=P
MAC 0126-0150		Galaxy
Sep 19 2009 31"	17mmT4	EF,VS,PATCH,UB,NND,AGC 194,R=P
MAC 0127-0115A		Galaxy
Sep 19 2009 31"	17mmT4	VF,PS,OVAL,UB,NND,R=P
MAC 0127-0115B		Galaxy
Sep 19 2009 31"	17mmT4	PF,PS,OVAL,UB,NND,R=P
MAC 0127-0131		Galaxy
Sep 19 2009 31"	17mmT4	EF,VS,PATCH,AV COMES AND GOES,AGC 194,R=P
MAC 0127-0131A		Galaxy
Sep 19 2009 31"	17mmT4	EF,VS,PATCH,AV COMES AND GOES,AGC 194,R=P
MAC 0132-1209		Galaxy
Nov 17 2012 36"	17mmT4	PF,PS,OVAL,BSNUC,R=PF
MAC 0151-0402		Galaxy
Nov 17 2012 36"	17mmT4	PF,PS,PATCH,UB,NND,PAIRS=702/MAC,R=PF
MAC 0151-0403		Galaxy
Nov 17 2012 36"	17mmT4	EF,ES,TOUCH NGC702,SUSP,R=P
MAC 0207+0208		Galaxy
Sep 16 2009 31"	17mmT4	EF,VS,SUSP ONLY,GOOD HICKSON GRP,R=P

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MAC 0212+0510		Galaxy	
Oct 12 2007 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=IC214,R=P	
MAC 0223-0443		Galaxy	
Sep 12 2007 31"	17mmT4	VF,VS,PATCH,AV,R=P	
MAC 0237+0716		Galaxy	
Dec 12 2012 36"	17mmT4	EF,ES,PATCH,SUSP,PAIRS=997/998,R=P	
MAC 0241+0844		Galaxy	
Sep 19 2020 36"	17mmT4	VF,VS,PATCH,NND,TOUCH=N1044,PAIRS=P10176/N1046,R=PF	
MAC 0255-0009		Galaxy	
Sep 12 2007 31"	17mmT4	PF,VS,PATCH,UB,NND,PAIRS=1144/1143,R=P	
MCG -3-4-12		Galaxy S	
Sep 19 2012 36"	17mmT4	PF,PS,PATCH,UB,NND,AGC 151,R=PF	
NGC 17		Galaxy Pec	VF,ES,IR,D*2'P
Dec 12 2012 36"	17mmT4	MB,ML,OVAL,BLNUC,NICE D* OFF ONE SIDE,F HALO SUR NUC,HISB CNTR,PAIR=N35,R=F	
NGC 35		Galaxy Sb	EEF,PS,R
Dec 12 2012 36"	17mmT4	MF,PS,EL,BSNUC,VF* OFF ONE SIDE,PAIR=NGC17,R=F	
NGC 45		Galaxy SA(s)dm	EF,L,VGVLBM,L*CONT F
Dec 12 2012 36"	17mmT4	EF,VL,PATCH,DIF,B* TOO CLOSE,PATCHY,I IN EDGE,PAIRS=PGC,NGC50,R=P	
NGC 47		Galaxy SBbc	VF,VS
Dec 12 2012 36"	17mmT4	MB,ML,OVAL,FLNUC,GRANUALR,R=FG	
NGC 50		Galaxy S0- pec	VF
Dec 12 2012 36"	17mmT4	MB,ML,EL,BLNUC,MHISB CNTR,PAIRS=PGC'S,R=FG	
NGC 132		H855-2 Galaxy SAB(s)bc	PF,CL,R,VGLBM,R
Sep 19 2020 36"	17mmT4	MB,PL,OVAL,LNUC,MHISB,R=G	
NGC 142		Galaxy SB(s)b? pec	EF,S,LE,1ST OF3
Sep 19 2012 36"	17mmT4	MF,MS,OVAL,FLNUC,2*'S OFF NUC,PAIRS=144/143,R=F	
NGC 143		Galaxy SB(r)b? sp	EF,S,ME,2ND OF3
Sep 19 2012 36"	17mmT4	MF,PS,EL,UB,NND,PAIRS=142/144,R=F	
NGC 144		Galaxy Sc: pec	EF,VS,R,3RD OF3
Sep 19 2012 36"	17mmT4	MF,MS,OVAL,FLNUC,PAIRS=142/143,R=F	
NGC 145		Galaxy SB(s)dm	F,PL,VLE,VGBM,*8 F5'
Sep 16 2009 31"	17mmT4	MF,MS,UB,NND,PATCHY,PAIR=MAC,HAS SOME WISPS BOTH ENDS,KEEP B* OUT OF FOV,R=F	

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NGC 151		H478-2	Galaxy SBbc	PF,PL,LE90,VGLBM
Sep 24 1981 12.5"	16mm	DIF,MB,ML,EL,F* OFF E SIDE,SBM		
Sep 10 1980 12.5"	24mm			
Sep 07 1980 12.5"	24mm	F,LOC 157 FIRST		
NGC 154		H467-3	Galaxy E	EF,VS,R
Sep 19 2020 36"	17mmT4	MF,MS,OVAL-R,BSNUC,R=F		
NGC 157		H3-2	Galaxy SAB(rs)bc	PB,L,E,BET2CB*
Sep 21 1984 12.5"	16mm	DIF,PB,BL,12TH MAG * IN E SIDE,HISB,R,KNOTS SUSP,UNIFORM B		
Sep 10 1980 12.5"	24mm			
Sep 07 1980 12.5"	24mm	LG,F,BET 2*S		
NGC 163		H954-3	Galaxy E0	VF,VS
Sep 19 2020 36"	17mmT4	MB,MS,OVAL-R,BSNUC,MHISB CNTR,R=G		
NGC 165			Galaxy SB(rs)bc	F,L,*INCENTRE,F OF 2
Sep 19 2020 36"	17mmT4	MF,MS,PATCH,NND,R=F		
NGC 170			Galaxy S0-?	F,S,R
Sep 19 2020 36"	17mmT4	MF,PS,OVAL,BSNUC,R=F		
NGC 173		H871-3	Galaxy SA(rs)c	VF,S,R,VGBM,*11SP1'
Sep 19 2020 36"	17mmT4	MF,MS,OVAL,FSNUC,VF* OFF EDGE,R=F		
NGC 175		H223-3	Galaxy SB(r)ab	PB,PL,E,GBM,R
Sep 24 1981 12.5"	16mm	EXT DIF,EF,VS,BLURR,FORMS EQ TRIANGLE WITH *S SAME MAG		
NGC 178			Galaxy SB(s)m	F,S,ME0,BM
Sep 24 1981 12.5"	16mm	VDIF,VF,PS,* NE SIDE,EL,NND,SAME 24 MM FIELD WITH 210		
Sep 10 1980 12.5"	24mm			
NGC 191		H479-2	Galaxy SAB(rs)c: pec	PB,PL,IE0,
Sep 17 2009 31"	17mmT4	MF,MS,OVAL,FLNUC,F* BET GLXY,PAIR=IC1563,R=G		
NGC 192		H872-3	Galaxy (R')SB(r)a:	F,PS,PME,BM
Sep 04 2005 31"	17mmT4	PB,PL,BSNUC,GMBM,HISB CNTR,PAIRS=NGC'S,E HICKSON GRP,R=E		
NGC 196		H860-2	Galaxy SB0 pec:	F,PS,R,PSMBM
Sep 04 2005 31"	17mmT4	PB,PL,BSNUC,GMBM,HISB CNTR,PAIRS=NGC'S,E HICKSON GRP,R=E		
NGC 197			Galaxy SB0^ pec	EF,S OF196
Sep 04 2005 31"	17mmT4	DIF,MF,MS,PATCH,UB,NND,PAIRS=NGC'S,E HICKSON GRP,R=F		
NGC 201		H873-3	Galaxy SAB(r)c	VF,CL,E,VGLBM
Sep 04 2005 31"	17mmT4	DIF,MB,VL,PATCH,UB,NND,PAIRS=NGC'S,E HICKSON GRP,R=G		

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NGC 210		H452-2	Galaxy SAB(s)b	B,PS,R,PSBM,R,*11P2'
Sep 24 1981 12.5"	16mm		MB,PL,DNUC,GBM,F * W 1 GLXY DIA,S OVAL,PAIR W 178 IN 24 MM	
Sep 10 1980 12.5"	24mm			
Sep 09 1980 12.5"	24mm			
NGC 216		H244-3	Galaxy S0^? sp	EF,VS,LE
Sep 19 2020 36"	17mmT4		MB,ML,EDGE ON,NND,SHISB,TAPERED ENDS	
NGC 217		H480-2	Galaxy S0/a: sp	F,S,LE90,GLBM
Sep 04 2002 12.5"	9mmT6		MB,PL,EDGE ON,TAPERED,UB,L CNTR BULGE	
NGC 219			Galaxy cE?	F,S,R,*11SP1'
Oct 13 2007 31"	17mmT4		MF,PS,R,BSNUC,SHISB,PAIR=223,R=F	
NGC 223			Galaxy (R')SB(r)0/a:	VF,PS,R
Sep 14 2012 36"	17mmT4		MF,PS,R,BSNUC,VF*S BOTH SIDES JUST OUTSIDE HALO,PAIR=MAC,R=FG	
Oct 13 2007 31"	17mmT4		MF,MS,OVAL,FLNUC,SHISB,PAIR=219,R=F	
NGC 227		H444-2	Galaxy S0- pec:	F,PL,LBM
Sep 24 1981 12.5"	16mm		VF,ES,B*NUC,NO *S ASSOC	
Sep 24 1981 12.5"	16mm		VF,ES,B* LIKE NUC,NO *S ASSOC	
Sep 10 1980 12.5"	24mm			
NGC 237			Galaxy SAB(rs)cd	VF,PS,LE,LBM
Sep 24 1981 12.5"	16mm		VDIF,EF,VS,SBM,SOME *S OFF TO ONE SIDE,BARELY VISIBLE	
NGC 239			Galaxy (R')Sab	PF,PS,E20,BMN,*8F20S
Oct 13 2007 31"	17mmT4		MB,MS,EL,PATCH,UB,NND,SHISB,R=F	
NGC 244		H485-3	Galaxy S0 pec?	VF,S,IR,R,*10S5'
Sep 19 2020 36"	17mmT4		MB,ML,OVAL,PATCH,NND,MHISB,R=G	
NGC 245		H445-2	Galaxy SA(rs)b pec?	F,PS,IF,ER
Sep 24 1981 12.5"	16mm		VDIF,PF,BS,2 F*S TO S 1 GLXY DIA,NND,UB,PATCHY	
Oct 31 1980 12.5"	24mm			
NGC 246		H25-5	Planetary Neb 3b	VF,L,4*IN DIF NEB
Sep 02 2008 31"	17mmT4		VF,ML,OVAL,OIII HELPS GRTLY,TRANSLUCENT BUBLE,CNTR* 13MAG,BRINGS IN EDGE,R=G	
Sep 27 1981 12.5"	16mm		DIF,BLUE GREEN,MB,BL,SOURRS 4 *S, 1 * S,PATCHY OVALNESS	
Oct 31 1980 12.5"	24mm			
Oct 29 1980 8"	24mm			
Sep 18 1980 12.5"	24mm		3*S IN NEB,ONE MOST LIKELY CNTR *	
NGC 247		H20-5	Galaxy SAB(s)d	F,EL,VME172
Sep 22 2022 12.5"	12mmT4		MB,VL,EL-EDGE ON,LNUC AREA,NND,SHISB,PATCHY,SVRL F*S OUTER TIP,R=FG	
Sep 24 1981 12.5"	16mm		DIF,MF,VL,B* S EQ PLANE,* OFF E SIDE,NND,PATCHY,EL,SIM TO 253	
Sep 10 1980 12.5"	24mm			

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NGC 247 Sep 07 1980 12.5" 32mm	H20-5 EL,SEEN BY SWEEPING AREA,LG	Galaxy SAB(s)d	F,EL,VME172
NGC 255 Sep 24 1981 12.5" 16mm Sep 10 1980 12.5" 24mm Sep 09 1980 12.5" 32mm	H472-2 DIF,PF,PL,PATCHY,NND,NO *S EDIF,BARELY VISIBLE	Galaxy SAB(rs)bc	F,PS,R,GBM
NGC 259 Oct 13 2007 31" 17mmT4	H621-2 MB,PL,EDGE ON,NND,SOME STR SUSP,S CNTR BULGE,R=F	Galaxy Sbc: sp	F,S,E135,LBM
NGC 268 Oct 03 1981 12.5" 16mm Oct 03 1981 12.5" 24mm	H463-3 VDIF,VF,PS,NND,PATCHY,UB,F* SE SVRL GLXY DIA SEEN BEST IN 24MM FOV	Galaxy SB(s)bc:	VF,PS,ILE,R
NGC 270 Oct 13 2007 31" 17mmT4	H955-3 MB,ML,OVAL,BLNUC,BM,SHISB CNTR,R=F	Galaxy S0+	PF,VS,IR,PGBM
NGC 271 Oct 13 2007 31" 17mmT4	H446-2 PB,PL,OVAL,BLNUC,HISB,B* CLOSE BY,SOME BAR SUSP,R=G	Galaxy (R')SB(rs)ab	PF,S,LE,PSBM,*8F5S
NGC 273 Oct 13 2007 31" 17mmT4	H430-3 PB,PL,OVAL,BLNUC,HISB,* OFF EDGE,R=G	Galaxy S0 sp	VF,VS
NGC 274 Oct 13 2007 31" 17mmT4 Sep 24 1981 12.5" 16mm	H429-3 VB,PL,R,BLNUC,HISB,HALO SUR NUC,PAIR=275,GMBM,R=G PF,VS,INTRACT W/ 275,NUC BTR THAN 275,CAN JUST BARELY SPLIT THE TWO	Galaxy SAB(r)0- pec	PB,PS,SMBM,NP OF2
NGC 275 Oct 13 2007 31" 17mmT4 Sep 24 1981 12.5" 16mm	Galaxy SB(rs)cd pec PB,VL,PATCH,UB,NND,MHISB,PAIR=274,R=G INTRACT W/ 274,DIF,VF,VS,NND,SLT FTR THAN 274		VF,S,R,SF OF 2
NGC 277 Oct 13 2007 31" 17mmT4	Galaxy S0- MF,MS,OVAL,BSNUC,CLOSE TO B*,R=F		F,PS,*11NP
NGC 279 Sep 19 2020 36" 17mmT4	H439-3 MB,MS,OVAL-R,BSNUC,SBM,R=FG	Galaxy (R')SAB(r)0+ p:	VF,S,IR,BM,STELLAR
NGC 309 Sep 27 1981 12.5" 16mm Oct 31 1980 12.5" 24mm	Galaxy SAB(r)c VDIF,PF,ML,F*N SIDE,R-OVAL,N NUC SUSP EF,NEED AV TO DET		PB,PL,*12,13N
NGC 321 Oct 07 2010 31" 17mmT4	Galaxy MF,PS,R,FSNUC,V NICE GRP,R=F		EF,VS
NGC 325 Oct 07 2010 31" 17mmT4	Galaxy Sb PF,MS,EDGE ON,THIN SLIVER,NND,V NICE GRP,R=F		VF,VS

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NGC 327		Galaxy SB(s)bc:	F,S,E
Oct 07 2010 31"	17mmT4	MB,ML,EL,PATCH,UB,NND,VF* IN TIP,SHISB,V NICE GRP,R=G	
NGC 329		Galaxy Sb: sp	F,E
Oct 07 2010 31"	17mmT4	MB,ML,EL,NND,SLT CNTR BULGE,SHISB,V NICE GRP,R=G	
NGC 331		Galaxy SBc	EF,VS,R,LBM,*12NF3'
Oct 13 2007 31"	17mmT4	VF,MS,PATCH,UB,NND,R=P	
NGC 337		H433-2 Galaxy SB(s)d	PF,L,E,GLBM,*10F21S
Sep 27 1981 12.5"	16mm	DIF,MB,ML,HISB,NND,PATCHY,OVAL	
Sep 10 1980 12.5"	24mm		
Sep 09 1980 12.5"	24mm		
NGC 341		Galaxy SAB(r)bc	F,PL,R,LBM,R
Sep 17 2009 31"	17mmT4	MF,ML,OVAL,BSNUC,PATCHY,BAR SUSP,FACE ON,INTRACT=PGC3627,R=G	
NGC 352		H191-3 Galaxy (R')SB(rs)b?	PF,S,IE,*8F97S
Sep 19 2020 36"	17mmT4	MB,PL,EDGE ON,BLNUC,GMBM,SHISB,R=G	
NGC 357		H434-2 Galaxy SB(r)0/a:	F,S,IR,SBM,*14NF20"
Sep 27 1981 12.5"	16mm	DIF,MF,PS,OVAL,SBM,BH-2 RGN SUSP,PATCHY-DUSTY,F* SE	
NGC 426		H592-3 Galaxy E+	VF,VS,R
Sep 19 2020 36"	17mmT4	MB,ML,OVAL,BLNUC,HISB CNTR,PAIRS=430/426,NICE TRIO,R=G	
NGC 428		H622-2 Galaxy SAB(s)m	F,L,R,BM,ER
Sep 27 1981 12.5"	16mm	VDIF,MF,PL,BET 2F*S ON OPPOSITE SIDES,NNS,UB,PATCHY-OVAL	
Sep 10 1980 12.5"	24mm		
Sep 09 1980 12.5"	32mm	BET 2 B*S	
NGC 429		H593-3 Galaxy S0[^]: sp	VF,VS
Sep 19 2020 36"	17mmT4	MB,ML,EL,BLNUC,HISB CNTR,PAIRS=426/430,NICE TRIO,R=G	
NGC 430		H447-2 Galaxy E:	F,VS,R,VSBM*
Sep 19 2020 36"	17mmT4	PB,ML,OVAL,BLNUC,HISB CNTR,PAIRS=426/429,NICE TRIO,R=G	
NGC 450		H440-3 Galaxy SAB(s)cd:	VF,L
Sep 27 1981 12.5"	16mm	VDIF,MF,ML,EL,JUST N OF S TRIANGLE,KEEP B* OUT OF FIELD,NND,UB	
NGC 493		H594-3 Galaxy SAB(s)cd: sp	VF,L,ME60,LBM
Sep 19 2020 36"	17mmT4	MB,VL,EDGE ON,UB,NND,SMWHT BARREN FOV,R=G	
NGC 497		Galaxy SB(rs)bc:	EF,PS,R,VLBM,R
Sep 18 2009 31"	17mmT4	MB,ML,OVAL,PATCH,NND,PATCHY AREAS,BKN PARTS,R=G	
NGC 519		Galaxy E+?	EEF,VS,R,VDIFFIC

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NGC 519			Galaxy E+?	EEF,VS,R,VDIFFIC
Sep 18 2009 31"	17mmT4	PF,VS,R,BNUC,AGC 194,R=F		
NGC 521		H461-2	Galaxy SB(r)bc	F,PL,R,GBM
Sep 27 1981 12.5"	16mm	DIF,MF,MS,DNUC,F*E SIDE,SNUC,R,FACE ON,SLT BM,PAIR/533		
NGC 530			Galaxy SB0+ sp	EF,S,ME,F*SF
Sep 18 2009 31"	17mmT4	MB,MS,EL-EDGE ON,BLNUC,MHISB CNTR,AGC 194,R=G		
NGC 533		H462-2	Galaxy E3:	PB,PL,R,GBM
Sep 27 1981 12.5"	16mm	MB,MS,BNUC,MBM,R,HISB IN NUC,PAIR/521		
NGC 535			Galaxy S0+ sp	VF,VS,1ST OF 3
Sep 18 2009 31"	17mmT4	MF,MS,EL,BLNUC,SHISB CNTR,AGC 194,R=F		
NGC 538			Galaxy SB(s)ab:	EF,S,ME,F*N
Sep 18 2009 31"	17mmT4	MF,MS,EL,BLNUC,AGC 194,R=F		
NGC 541			Galaxy S0-:	F,S,R,BM
Sep 18 2009 31"	17mmT4	MF,MS,OVAL,BLNUC,SHISB CNTR,AGC 194,R=F		
NGC 543			Galaxy S0-: sp	EF,ES
Sep 18 2009 31"	17mmT4	MF,MS,OBAL,BLNUC,AGC 194,R=F		
NGC 545		H448-2	Galaxy SA0-	STELLAR,P OF DNEB
Sep 18 2009 31"	17mmT4	MB,ML,R,BLNUC,MHISB CNTR,AGC 194,R=G		
NGC 547		H449-2	Galaxy E1	STELLAR,F OF DNEB
Sep 18 2009 31"	17mmT4	MB,ML,R,BLNUC,MHISB CNTR,AGC 194,R=G		
NGC 550		H463-2	Galaxy SB(s)a?	F,S,E,90,BM,R
Sep 19 2020 36"	17mmT4	PB,MS,EL,BLNUC,HISB CNTR,R=G		
NGC 557			Galaxy SB(rs)0+ pec:	EF,S,R,*10NF
Sep 19 2009 31"	17mmT4	MB,ML,R,FLNUC,AGC 194,R=F		
NGC 560		H441-3	Galaxy S0^ sp	VF,VS,IE,P OF 2
Sep 19 2009 31"	17mmT4	MB,ML,R,BLNUC,MHISB CNTR,PAIR=564,R=G		
NGC 564		H442-3	Galaxy E	VF,VS,IF,F OF 2
Sep 19 2009 31"	17mmT4	MB,ML,BLNUC,MHISB CNTR,PAIR=560,R=G		
NGC 578			Galaxy SAB(rs)c	B,L,PME,GPMBM
Sep 22 2022 12.5"	12mmT4	MF,ML,OVAL,NND,SHISB,R=G		
Sep 27 1981 12.5"	16mm	MF,ML,VF*W EDGE,OVAL-PATCHY,KNTS SUSP,SMWHT BM		
Sep 10 1980 12.5"	24mm			
Sep 09 1980 12.5"	32mm			

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NGC 584		H100-1	Galaxy E4	VB,PL,R,MBM,P OF 2
Sep 19 2020 36"	17mmT4	EB,VL,VBLNUC,HISB,V*	CLOSE TO NUC,VMBM,PAIR=586,R=G	
Sep 27 1981 12.5"	16mm	MB,PS,BNUC,VMBM,R		
Sep 10 1980 12.5"	24mm			
Sep 07 1980 12.5"	24mm	PAIR/596,GREAT!!		
NGC 586		H431-3	Galaxy SA(s)a:?	VF,VS,R
Sep 19 2020 36"	17mmT4	MF,MS,PATCH,NND,PAIR=584,R=F		
NGC 596		H4-2	Galaxy E+ pec:	PB,R,BM,R,*6F12'
Sep 27 1981 12.5"	16mm	MF,PS,BSNUC,B TOWARDS CNTR		
Sep 10 1980 12.5"	24mm			
Sep 07 1980 12.5"	24mm	PAIR/584		
NGC 599		H473-2	Galaxy SAB0- pec:	F,S,IF,ER
Nov 17 2012 36"	17mmT4	MB,MS,R,BSNUC,SHISB,CANNOT DETECT INTRACT MAC0132-1210,R=F		
NGC 600		H432-3	Galaxy (R')SB(rs)d	EEF
Sep 19 2020 36"	17mmT4	PF,VL,OVAL-R,FACE ON,PATCHY,R=F		
NGC 615		H282-2	Galaxy SA(rs)b	PB,PL,ILE,GBM,*8NP10
Sep 27 1981 12.5"	16mm	DIF,MF,MS,EL,FNUC,*NUC,BTR IN EQ PLANE		
Sep 10 1980 12.5"	24mm			
NGC 622		H454-3	Galaxy SB(rs)b	EF,PL,DIF
Sep 19 2020 36"	17mmT4	MF,MS,EL,FSNUC,SHISB CNTR,R=F		
NGC 624		H471-3	Galaxy (R')SB(r)b pec	EF,S,AM VS ST
Sep 19 2020 36"	17mmT4	MF,MS,OVAL,FSNUC,PAIR=P5929,R=F		
NGC 636		H283-2	Galaxy E3	PB,VS,R,MBM,R
Sep 27 1981 12.5"	16mm	PF,PS,SNUC,GRAD MB,DIF NUC		
Sep 10 1980 12.5"	24mm			
Sep 07 1980 12.5"	24mm	F,ASSOC IN S CL		
NGC 681		H481-2	Galaxy SAB(s)ab sp	PF,CL,R,GLBM,S*P90"
Nov 22 2006 12.5"	12mmT4	MF,MS,OVAL,PATCH,UB,NND,VF* IN GLXY,R=F		
Sep 27 1981 12.5"	16mm	EDIF,VF,VS,F*(14TH) MAG N ARM OF GLXY,*NUC SUSP,VDIF-OVAL		
NGC 682		H501-2	Galaxy SA0-	CF,S,R,GVLBM
Nov 22 2006 12.5"	12mmT4	MF,PS,OVAL,PATCH,FLNUC,R=F		
NGC 701		H62-1	Galaxy SB(rs)c	F,PL,E,VGVLBM,R
Nov 22 2006 12.5"	12mmT4	MF,PS,EL,PATCH,UB,NND,R=F		
Sep 27 1981 12.5"	16mm	EDIF,PF,PS,SMWHT OVAL,UB,NND		
Sep 18 1980 12.5"	24mm			

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NGC 702		H192-3	Galaxy SB(s)bc pec	EF,VLE0,*13S90"
Nov 17 2012 36"	17mmT4	MF,MS,OVAL,FLNUC,F*	OFF EDGE,PAIRS=MAC'S,R=F	
NGC 707			Galaxy (R')SAB(s)0-	VF,F*CENTRE
Nov 22 2006 12.5"	12mmT4	MF,MS,OVAL,PATCH,UB,NND,R=PGC6859,R=F		
Nov 22 2006 12.5"	12mmT4	MF,MS,OVAL,PATCH,UB,NND,SHISB,R=G		
NGC 720		H105-1	Galaxy E5	CB,PL,LE,PSMBM
Sep 27 1981 12.5"	16mm	MB,MS,BNUC,GBM		
Oct 29 1980 8"	24mm			
Sep 10 1980 12.5"	24mm			
Sep 07 1980 12.5"	24mm			
NGC 723		H460-3	Galaxy Sbc	PF,VS,R,VGBM
Sep 19 2020 36"	17mmT4	MB,ML,R,NND,SHISB,R=FG		
NGC 725			Galaxy Sc	VF,VS,R
Sep 07 1980 12.5"	24mm			
NGC 731		H266-3	Galaxy E+:	EF,STELLAR
Nov 22 2006 12.5"	12mmT4	MB,MS,R,BLNUC,HISB CNTR,BM,R=G		
NGC 747			Galaxy Sb:	EF,PS,LE180
Nov 22 2006 12.5"	12mmT4	VF,PS,PATCH,UB,NND,R=P		
NGC 748		H193-3	Galaxy (R')SA(r)b?	PF,*9NP
Nov 22 2006 12.5"	12mmT4	MB,ML,OVAL,PATCH,UB,SHISB,PATCHY,R=G		
NGC 755		H265-3	Galaxy SB(rs)b?	VF,PS,VLE
Nov 22 2006 12.5"	12mmT4	MB,ML,EL,PATCH,UB,NND,R=G		
NGC 762		H464-3	Galaxy (R')SB(rs)a	VF,S,LE,VGLBM
Nov 22 2006 12.5"	12mmT4	MF,PS,R,FLNUC,R=F		
NGC 767			Galaxy SBb pec?	EF,PS,E160
Nov 22 2006 12.5"	12mmT4	PF,PS,PATCH,UB,NND,R=P		
NGC 768			Galaxy SB(r)bc:	EF,PS,R,*8F30S
Nov 22 2006 12.5"	12mmT4	VF,MS,PATCH,UB,NND,R=F		
NGC 773		H468-3	Galaxy SAB(r)a pec	CF,PL,E0,GLBM
Nov 22 2006 12.5"	12mmT4	PF,PS,OVAL,PATCH,UB,NND,R=F		
NGC 779		H101-1	Galaxy SAB(r)b	CB,L,ME162,MBM
Sep 27 1981 12.5"	16mm	MB,ML,EDGE ON,FNUC,CNTR BULGE,DUST PATCHES,KNTY STR SUSP,GBM		
Sep 18 1980 12.5"	24mm			
Sep 07 1980 12.5"	24mm	,EL		

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NGC 788		H435-2	Galaxy SA(s)0/a:	PF,PS,R,BM
Nov 22 2006 12.5"	12mmT4	MB,MS,OVAL,BLNUC,MHISB CNTR,R=G		
Sep 27 1981 12.5"	16mm	DIF,PF,PS,GBM,OVAL,24MM DIF OVAL PATCH		
Sep 09 1980 12.5"	32mm	EF		
NGC 790		H433-3	Galaxy SA(r)0^?	CF,CS,R,BM
Nov 22 2006 12.5"	12mmT4	VF,PS,OVAL,PATCH,UB,FLNUC,R=P		
NGC 799			Galaxy (R')SB(s)a:	EEF,PS,R,N OF 2
Nov 22 2006 12.5"	12mmT4	PF,MS,OVAL-R,FLNUC,PAIR=800,R=F		
NGC 800			Galaxy SA(rs)c:	EEF,S,R,S OF 2
Nov 22 2006 12.5"	12mmT4	VF,MS,OVAL-R,UB,NND,PAIR=799,R=F		
NGC 827		H227-3	Galaxy S?	VF,S,E,BM, AM ST
Sep 25 2003 31"	17mmT4	PB,PL,EL-EDGE ON,UB,NND,SHISB,R=G		
NGC 833		H482-2	Galaxy (R')Sa: pec	F,S,R,1ST OF 4
Sep 12 2007 31"	17mmT4	MP,ML,EL,BSNUC,SHISB CNTR,HICKSON 16,R=G		
NGC 835		H483-2	Galaxy SAB(r)ab: pec	F,S,R,2ND OF 4
Sep 12 2007 31"	17mmT4	PB,ML,R,MBM,MHISB CNTR,MHISB CNTR,HICKSON 16,R=G		
NGC 838		H484-2	Galaxy SA(rs)0^ pec:	VF,VS,R,3RD OF 4
Sep 12 2007 31"	17mmT4	PB,ML,R,BLNUC,MBM,MHISB CNTR,HICKSON 16,R=G		
NGC 839		H485-2	Galaxy S0: pec sp	VF,PS,R,4TH OF 4
Sep 12 2007 31"	17mmT4	MB,ML,EL,PATCH,UB,NND,SHISB,HICKSON 16,R=G		
NGC 848			Galaxy (R')SB(s)ab pec	EEF,PL,VDIFFIC,*NF
Sep 12 2007 31"	17mmT4	MB,ML,OVAL,FLNUC,MHISB,R=G		
NGC 850		H259-3	Galaxy SAB(s)0+	EF,ES,IF
Sep 19 2020 36"	17mmT4	MB,MS,OVAL,BSNUC,MHISB CNTR,R=FG		
NGC 853		H486-2	Galaxy Sm pec?	F,S,E
Sep 19 2020 36"	17mmT4	MB,ML,OVAL,UB,NND,SHISB,R=FG		
NGC 856			Galaxy Sa	EF,S,LE,F*CLOSE F
Oct 12 2007 31"	17mmT4	MF,ML,OVAL,FLNUC,R=F		
NGC 863		H260-3	Galaxy Sa	VF,R,BM,STELLAR
Oct 12 2007 31"	17mmT4	MB,ML,R,BLNUC,MHISB CNTR,F* OFF SIDE,R=G		
NGC 864		H457-3	Galaxy SAB(rs)c	EF,CL,R,GBM,*12SFATT
Oct 12 2007 31"	17mmT4	MB,ML,R,BSNUC,B* OFF ONE EDGE,MHISB,BM,R=G		
Sep 27 1981 12.5"	16mm	MB,MS,OVAL,HISB,12 MAG * NE PART FOLLOWED BY 2F*S NE & N 1 GLXY DIA,NND		

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NGC 864 Sep 18 1980 12.5" 24mm	H457-3 B* IN CNTR	Galaxy SAB(rs)c	EF,CL,R,GBM,*12SFATT
NGC 868 Oct 12 2007 31" 17mmT4	MF,MS,OVAL,UB,NND,R=F	Galaxy S0-:	EF,PS,R
NGC 873 Oct 12 2007 31" 17mmT4	MB,PL,OVAL-R,UB,NND,HISB,R=G	Galaxy Sc pec:	F,PL,R,VGLBM
NGC 875 Oct 12 2007 31" 17mmT4 Sep 27 1981 12.5" 16mm	PB,MS,R,BSNUC,HISB,SBM,BM,PAIR=IC218,R=G VDIF,MF,ML,F*W SIDE,PATCH-OVAL,UB,NND	Galaxy S0+	VF,VS,(=867)
NGC 879 Oct 12 2007 31" 17mmT4	EF,MS,PATCH,AV,R=P	Galaxy Irr	EF,PS,IR,BM
NGC 880 Oct 12 2007 31" 17mmT4	VF,MS,OVAL,PATCH,UB,NND,R=P	Galaxy S pec	EF,VS,R,SBMN
NGC 881 Oct 12 2007 31" 17mmT4	MB,VL,PATCH,UB,NND,B* IN FOV,R=F	Galaxy SAB(r)c	F,PS,E,BM,2OR3*NR
NGC 883 Oct 12 2007 31" 17mmT4	PB,ML,R,BLNUC,MHISB,HALO SUR NUC AREA,R=G	Galaxy SA(s)0-:	PF,PS,VLE,BM,D*NR
NGC 887 Sep 19 2020 36" 17mmT4	MB,ML,OVAL,PATCH,* IN GLXY,GRAN,SHISB,R=FG	Galaxy SAB(rs)c	F,S,IR,PGBM
NGC 895 Oct 12 2007 31" 17mmT4 Sep 18 1980 12.5" 24mm	MF,VL,PATCH,UB,NND,PATCHY,R=F	Galaxy SA(s)cd	F,VL,IR,GBM,DNEBW894
NGC 899 Sep 09 1980 12.5" 24mm		Galaxy IB(s)m	PB,S,GBM,D*P,R
NGC 907 Sep 19 2020 36" 17mmT4	MB,ML,EL,EDGE ON,NND,MHISB,SLT TAPERED ENDS,R=G	Galaxy SBdm? sp	F,S,E90,GBM
NGC 908 Sep 22 2022 12.5" 12mmT4 Sep 27 1981 12.5" 16mm Sep 09 1980 12.5" 16mm	MF,ML,OVAL,SQUARE SHAPE,SHISB,F* IN EDGE,R=G DIF,HISB,PB,PL,EF* COMES AND GOES W ARM,NND,OVAL,BTR IN 24MM,KNTS & DUST SUSP SIZE EASILY DET	Galaxy SA(s)c	CB,VL,E
NGC 926 Oct 12 2007 31" 17mmT4	VF,ML,EL,UB,NND,R=F	Galaxy SB(rs)bc:	VF,PS
NGC 934		Galaxy SAB0-	VF,ES,(PLANETARY)

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NGC 934		Galaxy SAB0-	VF,ES,(PLANETARY)
Oct 12 2007 31"	17mmT4	PF,MS,OVAL,FLNUC,R=F	
NGC 936		H23-4 Galaxy SB(rs)0+	VB,VL,R,MBMN,P OF 2
Sep 27 1981 12.5"	16mm	MF,PL,BNUC,DARM,SBM,OUTER ARMS SUSP,B BAR TOWARDS NUC,R,FACE ON,PAIR/941	
Sep 18 1980 12.5"	24mm		
Sep 07 1980 12.5"	24mm		
NGC 941		H261-3 Galaxy SAB(rs)c	VF,CL,R,F OF 2
Sep 27 1981 12.5"	16mm	DIF,PF,PL	
Sep 27 1981 12.5"	24mm	VDIF,OVAL,SBM,NND,PAIR/936	
Sep 18 1980 12.5"	24mm		
NGC 942		Galaxy S0+ pec:	VF,R,(NEB D*)
Sep 12 2007 31"	17mmT4	MF,MS,OVAL,BSNUC,V CLOSE PAIR,PAIR=943,R=F	
NGC 943		Galaxy I0? pec	VF,R,(NEB D*)
Sep 12 2007 31"	17mmT4	PF,MS,EL,FLNUC,V CLOSE PAIR,ALM TOUCH,PAIR=942,R=F	
NGC 945		H487-2 Galaxy SB(rs)c	VF,L,IR,GLBM
Oct 12 2007 31"	17mmT4	DIF,VF,PL,OVAL,PATCH,NND,SHAPE CHANGES,PAIR=948,R=F	
Sep 12 2007 31"	17mmT4	MF,PL,OVAL,FLNUC,BAR LIKE NUC,PAIR=948,R=G	
NGC 948		Galaxy SB(s)c:	VF,S,R
Oct 12 2007 31"	17mmT4	DIF,VF,ML,OVAL,PATCH,NND,PAIR=945,R=F	
Sep 12 2007 31"	17mmT4	MF,ML,OVAL,FSNUC,PAIR=945,R=F	
NGC 950		Galaxy SB(rs)b:	EF,S,GBM
Sep 12 2007 31"	17mmT4	MF,ML,PATCH,UB,NND,B* IN FOV,PAIR=PGC9454,R=G	
NGC 955		H278-2 Galaxy Sab: sp	PB,S,E,PSBM
Sep 27 1981 12.5"	16mm	EL,BNUC,BEQ RGN,CNTR BULGE,MINATURE M104,GBM,SMWHT EDGE ON	
Sep 18 1980 12.5"	24mm		
NGC 958		H237-2 Galaxy SB(rs)c:	PF,ILE,BM
Sep 27 1981 12.5"	16mm	DIF,EL,NND,F*1 GLXY DIA TO N,UB	
Sep 18 1980 12.5"	24mm		
NGC 977		H472-3 Galaxy (R')SAB(r)a:	EF,PS,R,VLBM,AM SCST
Sep 19 2020 36"	17mmT4	MF,MS,PATCH,BSNUC,SHISB CNTR,R=F	
NGC 991		H434-3 Galaxy SAB(rs)c	VF,CL,IF,VLBM
Sep 27 1981 12.5"	16mm	VDIF,VF,PL,12 MAG * S ARM,FACE ON?,NND,UB,BTR IN 24MM	
Sep 18 1980 12.5"	24mm		
NGC 997		Galaxy E	F,S
Dec 12 2012 36"	17mmT4	MB,ML,R,BLNUC,GRAN HALO,MHISB CNTR,PAIRS=998/MAC,R=G	

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NGC 998		Galaxy S	VF
Dec 12 2012 36"	17mmT4	MF,MS,OVAL,FSNUC,PAIRS=997/MAC,R=F	
NGC 1022		H102-1 Galaxy (R')SB(s)a	CB,PL,R,MBM,*11NF 2'
Sep 27 1981 12.5"	16mm	MB,ML,NUC SUSP,FARMS,F*W 1 GLXY DIA,BAR SUSP,F	CIRCULAR ARMS SUSP,SNS
Sep 07 1980 12.5"	24mm	FAIR AND FT	
NGC 1032		H5-2 Galaxy S0/a sp	PB,S,VLE,BM,3*TRAP
Sep 06 2002 12.5"	9mmT6	PB,PL,HISB,SBM,OVAL,LNUC AREA	
NGC 1035		H284-2 Galaxy SA(s)c?	PF,L,ME,R,*17ATT SF
Sep 27 1981 12.5"	16mm	DIF,MF,MS,EDGE ON,14* S ARM,NND,OBLONG,UB	
Sep 18 1980 12.5"	24mm		
NGC 1044		H228-3 Galaxy S0-: pec	VF,VS,P OF2,*10P
Sep 19 2020 36"	17mmT4	MF,MS,OVAL,FLNUC,TOUCH=MAC,PAIRS=P10176/N1046,R=F	
NGC 1045		H488-2 Galaxy SA0- pec?	F,S,R,BM
Sep 06 2002 12.5"	9mmT6	DIF,PB,PL,OVAL PATCH,SBM,SHISB	
NGC 1046		H229-3 Galaxy S0-:	EF,VS,F OF2
Sep 19 2020 36"	17mmT4	PF,MS,OVAL,FLNUC,PAIRS=N1044/P10176,R=F	
NGC 1048		Galaxy S0+? sp	EEF,PS,R,SF OF 2
Sep 27 1981 12.5"	16mm	VDIF,MF,PL,13* W ARM,L FACE ON,NND,OVAL,;PAIR/1052	
Sep 18 1980 12.5"	24mm		
NGC 1052		H63-1 Galaxy E4	B,PL,R,MBM*12
Sep 27 1981 12.5"	16mm	PB,MS,BNUC,MBM,R,F*NW 1 GLXY DIA SUSP,PAIR/1048	
Sep 18 1980 12.5"	24mm		
Sep 07 1980 12.5"	24mm		
NGC 1055		H1-1 Galaxy SBb: sp	PF,CL,IE80,BM,*11N1'
Nov 24 2006 12.5"	12mmT4	PB,PL,OVAL,HISB,R=G	
Sep 27 1981 12.5"	16mm	PB,PL,EDGE ON,FNUC,DIM ARMS,3* IN TRI TO N,DUST LANE E TO W,SBM	
Sep 07 1980 12.5"	24mm	FT AND LG,SAME FOV AS M77	
NGC 1068	M77	Galaxy (R)SA(rs)b	VB,PL,IR,SBMRRN
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 02 1984 10"	20mm	SAME	
Sep 27 1981 12.5"	16mm	PB,PL,SUDLY BUILDS TO B* LIKE NUC,FACE ON,F HALO ARMS DET	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Oct 31 1980 12.5"	24mm		
Oct 29 1980 8"	24mm		
Sep 18 1980 12.5"	24mm		
Sep 07 1980 12.5"	24mm		

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NGC 1070 Sep 06 2002 12.5" 9mmT6	H273-2 PB,PL,L CNTR BULGE,GBM,MHISB	Galaxy Sb	PF,S,IR,GBM
NGC 1073 Sep 27 1981 12.5" 16mm Sep 18 1980 12.5" 24mm Sep 09 1980 12.5" 32mm	H455-3 VDIF,MF,VL,SBM,R-OVAL,UB,NND,BTR IN 24MM EL,PF,JUST BELOW S TRI OF *S	Galaxy SB(rs)c	VF,L,LBM,ER
NGC 1087 Sep 19 2020 36" 17mmT4 Sep 27 1981 12.5" 16mm Oct 29 1980 8" 24mm Sep 18 1980 12.5" 24mm Sep 09 1980 12.5" 24mm	H466-2 MF,VL,OVAL,VFSNUC,SHISB,FACE ON,SPR STR SUSP,PATCHY,GRAN,R=FG MB,PL,OVAL,HISB,SBM,PAIR/1090 AND ANOTHER PAIR/1090	Galaxy SAB(rs)c	PB,CL,LE,MBM
NGC 1090 Sep 19 2020 36" 17mmT4 Sep 27 1981 12.5" 16mm Sep 09 1980 12.5" 16mm	H465-2 MF,VL,OVAL,NND,SHISB,* OF NUC,GRAN,R=F MDIF,MF,PL,FACE ON,NND,UB,OVAL SHAPE,PAIR/1087 AND ANOTHER SAME FOV WITH 1087	Galaxy SB(rs)bc	VF,PL,IR,BM
NGC 1094 Sep 19 2020 36" 17mmT4	H462-3 MF,MS,OVAL,FNUC,MHISB,PAIR=P10560,R=F	Galaxy SAB(s)ab	VF,S,R,2S*P
NGC 1143 Sep 12 2007 31" 17mmT4	Galaxy Ring A MF,MS,OVAL,FLNUC,SHISB,CLOSE COMP=1144,PAIR=MAC,R=G		EF,S,R,P OF 2
NGC 1144 Sep 12 2007 31" 17mmT4	Galaxy Ring B MF,MS,OVAL,FLNUC,SHISB,CLOSE COMP=1143,PAIR=MAC,R=G		EF,S,R,F OF 2
NGC 1149 Nov 22 2006 12.5" 12mmT4	Galaxy S0-: VF,VS,R,PATCH,NND,R=P		VF,VS,R,BM,S*P30"
NGC 1153 Nov 22 2006 12.5" 12mmT4	H274-2 MF,MS,OVAL,FLNUC,R=F	Galaxy S0+?	F,VS,ILE,SBM,ER
NGC 1194 Nov 22 2006 12.5" 12mmT4	Galaxy SA0+: MF,MS,PATCH,UB,NND,SHISB,R=F		F,S,R,GLBM
NGC 1211 Nov 22 2006 12.5" 12mmT4	Galaxy (R)SB(r)0/a MF,MS,R,FLNUC,PATCHY CNTR,BKN PARTS,R=F		PB,VS,R,MBMN=*9,10
NGC 1218 Nov 22 2006 12.5" 12mmT4	Galaxy S0/a MF,MS,OVAL,FSNUC,R=F		PF,PS,R
NGC 1219 Nov 22 2006 12.5" 12mmT4	Galaxy SA(s)bc: PF,PS,R,PATCH,UB,NND,R=F		F,PL,R

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NGC 7807		Galaxy S0	EF,PS,IF
Oct 12 2012	36" 17mmT4	PF,MS,PATCH,NND,R=PF	
NGC 7808		Galaxy (R')SA0⁺:	EF,VS,R,STELL N,*8SP
Oct 13 2007	12.5" 9mmT6	VF,PS,OVAL,PATCH,UB,PAIR=PGC219,R=P	
NGC 7813		Galaxy Sb	EF,VS,E80,*9NP40S
Oct 12 2012	36" 17mmT4	MF,MS,EL,FSNUC,R=F	
NGC 7821		Galaxy Scd pec sp	VF,PS,IF,GLBM
Oct 12 2012	36" 17mmT4	MF,MS,EDGE ON,UB,NND,CIGAR SHAPE,R=FG	
NGC 7828		Galaxy Ring B	EF,S,E130,SBMN,*15SF
Sep 16 2009	31" 17mmT4	PF,PS,EL,INTRACT=7829,F* OFF EDGE,CANNOT SEP,BOTH APPEAR AS ELR=F	
NGC 7829		Galaxy Ring A	EF,ES,R,(NEB),F OF 2
Sep 16 2009	31" 17mmT4	PF,PS,EL,INTRACT=7828,F* OFF EDGE,CANNOT SEP,BOTH APPEAR AS ELR=F	
PGC 219		Galaxy S?	
Oct 13 2007	12.5" 9mmT6	EF,VS,PATCH,PAIR=7808,CLOSE TO B*,R=P	
PGC 475		Galaxy	
Sep 16 2009	31" 17mmT4	EF,VS,PATCH,AV COMES AND GOES,R=P	
PGC 509		Galaxy Ring B	
Sep 16 2009	31" 17mmT4	EF,VS,PATCH,CANNOT SEP,NOT DET IN 9MM,AV,PAIR=PGC510,R=P	
PGC 510		Galaxy Ring A	
Sep 16 2009	31" 17mmT4	EF,VS,PATCH,CANNOT SEP,NOT DET IN 9MM,AV,PAIR=PGC509,R=P	
PGC 971		Galaxy S0	
Dec 12 2012	36" 17mmT4	PF,MS,VSNUC OR * NUC,PAIRS=PGC/NGC50,R=F	
PGC 972		Galaxy	
Dec 12 2012	36" 17mmT4	VF,VS,PATCH,UB,NND,PAIRS=PGC/NGC50,R=P	
PGC 991		Galaxy SB(rs)ab	
Sep 12 2012	36" 17mmT4	VF,VS,PATCH,UB,NND,VF* OFF EDGE,AGC 14,R=F	
PGC 1012		Galaxy Sbc	
Sep 12 2012	36" 17mmT4	VF,VS,PATCH,UB,NND,AGC 14,R=F	
PGC 1013		Galaxy Sab	
Sep 12 2012	36" 17mmT4	VF,PS,PATCH,UB,NND,AGC 14,R=F	
PGC 1016		Galaxy S	
Sep 12 2012	36" 17mmT4	VF,PS,PATCH,UB,NND,B* IN GLXY,AGC 14,R=P	

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PGC 1029		Galaxy S0
Sep 12 2012 36"	17mmT4	VF,PS,PATCH,UB,NND,AGC 14,R=F
PGC 1126		Galaxy SAB(s)cd
Sep 19 2020 36"	17mmT4	MF,ML,OVAL,UB,NND,R=F
PGC 1221		Galaxy SB(s)c pec
Sep 16 2009 31"	17mmT4	PF,MS,EDGE ON WITH BEND IN ONE SIDE,UB,NND,F* OFF TIP,PAIR=PGC1224,R=F
PGC 1224		Galaxy SB(s)b pec?
Sep 16 2009 31"	17mmT4	PF,PS,R,FLNUC,PAIR=PGC1221,R=F
PGC 1865		Galaxy
Sep 19 2012 36"	17mmT4	VF,PS,PATCH,UB,NND,CLOSE COMP=PGC1866,PAIRS=PGC'S,R=PF
PGC 1866		Galaxy
Sep 19 2012 36"	17mmT4	VF,PS,PATCH,UB,NND,CLOSE COMP=PGC1865,PAIRS=PGC'S,R=PF
PGC 1875		Galaxy S0/a
Sep 19 2012 36"	17mmT4	PF,PS,EL,BSNUC,PAIRS=PGC'S,R=F
PGC 2040		Galaxy S?
Sep 16 2009 31"	17mmT4	VF,PS,PATCH,NND,HICKSON,R=P
PGC 2043		Galaxy E?
Sep 16 2009 31"	17mmT4	PF,VS,R,BSNUC,HICKSON,R=F
PGC 2045		Galaxy S?
Sep 16 2009 31"	17mmT4	MF,PS,EL-OVAL,UB,NND,HICKSON,R=F
PGC 2046		Galaxy (R')SB(r)b: pec
Sep 16 2009 31"	17mmT4	EF,VS,PATCH,NND,AV TOOK A WHILE,CAN SEP FROM PGC2057,AV SHOWS ONE OR THE OTHER,HICKSON,R=P
PGC 2047		Galaxy (R')SB(r)bc
Sep 16 2009 31"	17mmT4	MF,MS,OVAL,BLNUC,HICKSON,R=F
PGC 2051		Galaxy S0?
Sep 16 2009 31"	17mmT4	PF,PS,PATCH,NND,HICKSON,R=P
PGC 2057		Galaxy E?
Sep 16 2009 31"	17mmT4	EF,VS,PATCH,NND,AV TOOK A WHILE,CAN SEP FROM PGC2057,AV SHOWS ONE OR THE OTHER,HICKSON,R=P
PGC 2059		Galaxy S
Sep 16 2009 31"	17mmT4	EF,VS,PATCH,NND,AV COMES AND GOES,HICKSON,R=P

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PGC 2064		Galaxy S0?
Sep 16 2009 31"	17mmT4	PF,VS,R,BSNUC,HICKSON,R=F
PGC 2087		Galaxy S
Sep 16 2009 31"	17mmT4	EF,VS,EL-EDGE ON,UB,NND,R=P
PGC 2347		Galaxy S
Sep 04 2005 31"	17mmT4	EF,ES,SUSP,PAIRS=PGC'S,R=P
PGC 2350		Galaxy S?
Sep 04 2005 31"	17mmT4	PF,VS,OVAL,FSNUC,CAN JUST BARELY SEP THE TWO,COMP,PAIRS=PGC,R=P
PGC 2351		Galaxy E?
Sep 04 2005 31"	17mmT4	VF,ES,OVAL,NND,CLOSE COMP,JUST BARELY SEP THE TWO,PAIRS=PGC'S,R=P
PGC 2353		Galaxy S0?
Sep 04 2005 31"	17mmT4	PF,VS,OVAL,VFSNUC,PAIRS=PGC'S,R=P
PGC 2526		Galaxy SB(s)cd? sp
Dec 12 2012 36"	17mmT4	PF,PS,EDGE ON,NND, PA-80,* CLOSE TO NUC,F* OFF EDGE,NO CNTR BULGE,R=P
PGC 2610		Galaxy S
Sep 17 2009 31"	17mmT4	VF,ML,EL,UB,NND,PAIR=PGC2616,R=F
PGC 2616		Galaxy (R')Sc:
Sep 17 2009 31"	17mmT4	VF,PL,EL-EDGE ON,UB,NND,PAIR=PGC2610,R=F
PGC 2647		Galaxy Sc
Oct 13 2007 31"	17mmT4	VF,PS,PATCH,UB,NND,R=F
PGC 2800		Galaxy (R')SBb:
Dec 12 2012 36"	17mmT4	PF,PS,EL-OVAL,UB,NND,R=F
PGC 2805		Galaxy SBd pec sp
Dec 12 2012 36"	17mmT4	PF,MS,EDGE ON,BSNUC,PA-20,SLT CNTR BULGE,GRAD MBM,R=F
PGC 3163		Galaxy E?
Sep 17 2009 31"	17mmT4	VF,PS,OVAL,UB,NND,B* CLOSE BY,WASHES OUT GRP,PAIR=ARP251,R=P
PGC 3196		Galaxy S0?
Sep 04 2005 31"	17mmT4	EF,VS,*NUC,PAIRS=PGC'S,AV,R=P
PGC 3198		Galaxy S
Sep 04 2005 31"	17mmT4	EF,ES,PATCH,PAIRS=PGC'S,SUSP,R=P
PGC 3200		Galaxy S
Sep 04 2005 31"	17mmT4	EF,VS,PATCH,AV,PAIRS=PGC'S,R=P

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PGC 3201		Galaxy S?
Sep 04 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,VF* ON EDGE,PAIRS=PGC'S,R=P
PGC 3266		Galaxy Compact
Oct 12 2012 36"	17mmT4	PF,PS,OVAL,FSNUC,PAIR=PGC3273,R=F
PGC 3267		Galaxy S
Oct 12 2012 36"	17mmT4	PF,PS,EL,UB,NND,R=PF
PGC 3273		Galaxy Sbc
Oct 12 2012 36"	17mmT4	PF,PS,OVAL,FSNUC,PAIR=PGC3266,R=F
PGC 3280		Galaxy
Oct 12 2012 36"	17mmT4	VF,VS,PATCH,AGC 119,R=PF
PGC 3305		Galaxy
Oct 12 2012 36"	17mmT4	PF,PS,EL,VF NUC OR V* IN CNTR OF GLXY,AGC 119,R=F
PGC 3312		Galaxy E
Oct 12 2012 36"	17mmT4	PF,PS,EL,FSNUC,R=F
PGC 3317		Galaxy C
Oct 12 2012 36"	17mmT4	PF,PS,OVAL,FSNUC,AGC 119,R=PF
PGC 3340		Galaxy (R)SA(
Oct 12 2012 36"	17mmT4	VF,VS,PATCH,FSNUC,AGC 119,R=PF
PGC 3342		Galaxy E
Oct 12 2012 36"	17mmT4	MF,MS,OVAL,FLNUC,AGC 119,R=F
PGC 3344		Galaxy
Oct 12 2012 36"	17mmT4	VF,ES,PATCH,UB,ALM *,AGC 119,R=F
PGC 3350		Galaxy
Oct 12 2012 36"	17mmT4	MF,PS,OVAL,FSNUC,AGC 119,R=F
PGC 3357		Galaxy Sa
Oct 12 2012 36"	17mmT4	MF,MS,BLNUC,AGC 119,R=F
PGC 3359		Galaxy
Oct 12 2012 36"	17mmT4	VF,PS,PATCH,NND,AGC 119,R=PF
PGC 3360		Galaxy
Oct 12 2012 36"	17mmT4	VF,VS,EDGE ON,THIN SLICE,AGC 119,R=PF
Oct 12 2012 36"	17mmT4	VF,MS,EDGE ON,UB,NND,AGC 119,R=PF
PGC 3364		Galaxy C

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PGC 3364		Galaxy C
Oct 12 2012 36"	17mmT4	VF,VS,R,VBSNUC,CLOSE COMP=PGC3365,AGC 119,R=PF
PGC 3372		Galaxy Sb
Oct 12 2012 36"	17mmT4	VF,VS,PATCH,UB,AGC 119,R=P
PGC 3392		Galaxy S
Oct 12 2012 36"	17mmT4	PF,PS,EL,FSNUC,AGC 119,R=F
PGC 3400		Galaxy Sbc
Oct 12 2012 36"	17mmT4	DIF,VF,MS,OVAL,UB,NND,AGC 119,R=PF
PGC 3411		Galaxy
Oct 12 2012 36"	17mmT4	VF,VS,OVAL,UB,NND,AGC 119,R=PF
PGC 3414		Galaxy
Oct 12 2012 36"	17mmT4	VF,VS,OVAL,FSNUC,AGC 119,R=PF
PGC 3435		Galaxy SB(rs)cd pec
Oct 07 2010 31"	17mmT4	MF,ML,PATCH,UB,NND,V NICE GRP,R=FG
PGC 3444		Galaxy S?
Oct 12 2012 36"	17mmT4	MF,MS,OVAL,UB,NND,SHISB,AGC 119,R=F
PGC 3547		Galaxy Sa pec sp
Sep 17 2009 31"	17mmT4	PF,MS,EL,FLNUC,PAIR=PGC3553,R=F
PGC 3553		Galaxy S0
Sep 17 2009 31"	17mmT4	PF,MS,OVAL,FSNUC,* OFF EDGE,PAIR=PGC3547,R=F
PGC 3627		Galaxy
Sep 17 2009 31"	17mmT4	VF,VS,PATCH,WITH AV EXTENSION OF 341,INTRACT=341,R=P
PGC 3991		Galaxy SBb
Oct 12 2012 36"	17mmT4	PF,MS,OVAL,NND,COMP=MAC,AGC147,R=PF
PGC 4000		Galaxy S
Oct 12 2012 36"	17mmT4	PF,MS,PATCH,UB,NND,AGC147,R=PF
PGC 4006		Galaxy S
Oct 12 2012 36"	17mmT4	VF,VS,PATCH,UB,NND,AGC147,R=P
PGC 4026		Galaxy
Oct 12 2012 36"	17mmT4	VF,VS,OVAL,AGC147,R=P
PGC 4033		Galaxy Double System
Oct 12 2012 36"	17mmT4	PF,PS,OVAL,AGC147,R=F

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PGC 4060		Galaxy
Oct 12 2012 36"	17mmT4	MF,PS,R,FLNUC,SHISB,AGC147,R=F
PGC 4063		Galaxy SB(s)d? sp
Dec 12 2012 36"	17mmT4	VF,MS,EDGE ON,UB,NND,PA~170,THIN SLIVER,R=F
PGC 4109		Galaxy
Sep 19 2012 36"	17mmT4	PF,PS,PATCH,NND,VF* OUTER EDGE,AGC 151,R=P
PGC 4880		Galaxy I
Sep 18 2009 31"	17mmT4	EF,VS,PATCH,NND,AV FIRST THEN HOLDS,R=P
PGC 4904		Galaxy L
Sep 18 2009 31"	17mmT4	PF,PS,OVAL,VFSNUC,R=P
PGC 4906		Galaxy SB(r)ab
Sep 18 2009 31"	17mmT4	MF,MS,EL,BSNUC,GRADUALLY BM,INTRACT=MAC,R=F
PGC 5125		Galaxy
Sep 19 2009 31"	17mmT4	PF,PS,PATCH,UB,NND,AGC 194,R=P
Sep 18 2009 31"	17mmT4	VF,PS,PATCH,UB,NND,AGC 194,R=P
PGC 5145		Galaxy S0
Sep 19 2009 31"	17mmT4	MB,MS,EL,FLNUC,SHISB CNTR,AGC 194,R=F
PGC 5164		Galaxy S?
Sep 19 2009 31"	17mmT4	MF,MS,OVAL,FLNUC,AGC 194,R=F
PGC 5176		Galaxy
Sep 18 2009 31"	17mmT4	VF,VS,PATCH,UB,NND,AGC 194,R=P
PGC 5216		Galaxy S
Sep 18 2009 31"	17mmT4	VF,PS,OVAL,UB,NND,AGC 194,R=P
PGC 5228		Galaxy S0/a
Sep 18 2009 31"	17mmT4	PF,PS,FLNUC,AGC 194,R=F
PGC 5258		Galaxy S0
Sep 18 2009 31"	17mmT4	MF,MS,EL-OVAL,BLNUC,AGC 194,R=F
PGC 5288		Galaxy
Sep 19 2009 31"	17mmT4	PF,PS,PATCH,UB,NND,AGC 194,R=P
PGC 5289		Galaxy S0/a
Sep 18 2009 31"	17mmT4	MF,MS,EL,BLNUC,AGC 194,R=F
PGC 5306		Galaxy

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PGC 5306		Galaxy
Sep 18 2009 31"	17mmT4	VF,PS,PATCH,NND,AGC 194,R=P
PGC 5307		Galaxy S0
Sep 18 2009 31"	17mmT4	MF,MS,EL,BLNUC,AGC 194,R=F
PGC 5313		Galaxy S
Sep 18 2009 31"	17mmT4	PF,PS,OVAL,FLNUC,AGC 194,R=F
PGC 5314		Galaxy S?
Sep 18 2009 31"	17mmT4	PF,PS,OVAL,BSNUC,AGC 194,R=F
PGC 5335		Galaxy
Sep 19 2009 31"	17mmT4	PF,PS,OVAL,UB,NND,AGC 194,R=F
PGC 5357		Galaxy S
Sep 04 2005 31"	17mmT4	EF,VS,PATCH,AV,PAIRS=PGC'S,R=P
PGC 5362		Galaxy SAB(rs)c
Sep 04 2005 31"	17mmT4	MF,PS,OVAL,FSNUC,SHISB CNTR,PAIRS=PGC'S,R=F
PGC 5365		Galaxy S?
Sep 04 2005 31"	17mmT4	VDIF,EF,PS,PATCH,PAIRS=PGC'S,R=P
PGC 5379		Galaxy
Sep 19 2009 31"	17mmT4	PF,MS,OVAL,UB,NND,AGC 194,R=F
PGC 5381		Galaxy L
Sep 04 2005 31"	17mmT4	EDIF,EF,ES,PATCH,SUSP,PAIRS=PGC'S,R=P
PGC 5424		Galaxy E
Sep 19 2009 31"	17mmT4	MF,MS,EL,FLNUC,AGC 194,R=F
PGC 5437		Galaxy E?
Sep 19 2009 31"	17mmT4	PF,MS,OVAL,UB,NND,PAIR=PGC5439,R=F
PGC 5439		Galaxy E
Sep 19 2009 31"	17mmT4	VF,VS,OVAL,UB,NND,PAIR=PGC5437,R=P
PGC 5732		Galaxy SA(s)b:
Sep 19 2012 36"	17mmT4	PF,PS,EL,PATCH,UB,PAIRS=PGC'S,HICKSON 13,R=F
PGC 5735		Galaxy S?
Sep 19 2012 36"	17mmT4	PF,PS,OVAL,PATCH,UB,PAIRS=PGC'S,COMP=PGC5736,HICKSON 13,R=F
PGC 5736		Galaxy S
Sep 19 2012 36"	17mmT4	VF,VS,PATCH,AV HOLDS,COMP=PGC5735,HICKSON 13,R=P

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PGC 5929		Galaxy Sd
Sep 19 2020 36"	17mmT4	VF,PS,PATCH,NND,PAIR=624,R=P
PGC 6626		Galaxy IAB(rs)m
Nov 17 2012 36"	17mmT4	DIF,EF,PS,R,PATCH,NND,PAIR=6629,R=P
PGC 6629		Galaxy Sc
Nov 17 2012 36"	17mmT4	MF,MS,NND,PAIR=6626,R=F
PGC 6859		Galaxy Sb
Nov 22 2006 12.5"	12mmT4	EF,VS,PATCH,AV,PAIR=707,R=P
PGC 6966		Galaxy SA(s)c? sp
Dec 12 2012 36"	17mmT4	MF,MS,EDGE ON,FSNUC,PA~170,F* OFF NUC,SLT BULGE,R=F
PGC 7244		Galaxy Sbc: sp
Dec 12 2012 36"	17mmT4	VF,PS,EDGE ON,PA~150,UB,NND,* OFF EDGE,SLT TAPERED,R=PF
PGC 7546		Galaxy S
Sep 16 2009 31"	17mmT4	EF,VS,PATCH,AV TOOK A WHILE,B* IN FOV,RUINS THIS HICKSON GRP,R=P
PGC 7550		Galaxy L
Sep 16 2009 31"	17mmT4	VF,PS,PATCH,NND,B* IN FOV,RUINS THIS HICKSON GRP,R=P
PGC 7553		Galaxy SA0^ pec
Sep 16 2009 31"	17mmT4	PF,MS,OVAL,FLNUC,B* IN FOV,RUINS THIS HICKSON GRP,R=P
Nov 22 2006 12.5"	12mmT4	VF,VS,PATCH,UB,NND,AV,PAIR=PGC 7557,R=P
PGC 7557		Galaxy SAb pec?
Sep 16 2009 31"	17mmT4	PF,MS,OVAL,FLNUC,B* IN FOV,RUINS THIS HICKSON GRP,R=F
Nov 22 2006 12.5"	12mmT4	PF,VS,PATCH,UB,NND,AV,PAIR=PGC 7553,R=P
PGC 8096		Galaxy S0?
Sep 16 2009 31"	17mmT4	PF,MS,R,FSNUC,GOOD HICKSON GRP,R=F
PGC 8110		Galaxy S0-:
Sep 16 2009 31"	17mmT4	MF,MS,R,BSNUC,GOOD HICKSON GRP,R=F
PGC 8114		Galaxy S0-:
Sep 16 2009 31"	17mmT4	MF,PS,EL,BSNUC,F* OFF SIDE,INTRACT=PGC8116,GOOD HICKSON GRP,R=F
PGC 8116		Galaxy Sbc
Sep 16 2009 31"	17mmT4	EF,VS,EL,PATCH,EXTENSION OF PGC8114,TOOK AV A WHILE,COMES AND GOES,GOOD HICKSON GRP,R=P
PGC 8117		Galaxy S0-:
Sep 16 2009 31"	17mmT4	MF,MS,R,BLNUC,GOOD HICKSON GRP,R=G

Cetus - The Whale

PGC 8128		Galaxy S0:
Sep 16 2009 31"	17mmT4	MF,MS,R,BLNUC,GOOD HICKSON GRP,R=G
PGC 8793		Galaxy Sb-c
Sep 12 2007 31"	17mmT4	VF,PS,EL,PATCH,UB,NND,R=P
PGC 8802		Galaxy S?
Sep 12 2007 31"	17mmT4	MF,MS,OVAL-R,BSNUC,SHISB CNTR,R=F
PGC 8913		Galaxy SB(s)m: sp
Dec 12 2012 36"	17mmT4	EF,VS,EDGE ON,PA~45,UB,NND,AV FIRST,HARD TO HOLD,AV HARD TO DETECT,R=P
PGC 9103		Galaxy
Sep 12 2007 31"	17mmT4	VF,MS,UB,NND,R=P
PGC 9107		Galaxy
Sep 12 2007 31"	17mmT4	EF,VS,PATCH,AV,PAIR=PGC9113,R=P
PGC 9113		Galaxy SBc
Sep 12 2007 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,PAIR=PGC9107,R=F
PGC 9427		Galaxy S
Sep 12 2007 31"	17mmT4	PF,PS,PATCH,UB,NND,VF* IN CNTR OF GLXY,R=F
PGC 9454		Galaxy Sab
Sep 12 2007 31"	17mmT4	PF,MS,OVAL,FLNUC,B* IN FOV,PAIR=950,R=F
PGC 9904		Galaxy Scd:
Dec 12 2012 36"	17mmT4	EF,MS,EDGE ON,PA~30,UB,NND,AV TOOK A WHILE,COMES AND GOES,R=P
PGC 10176		Galaxy L
Sep 19 2020 36"	17mmT4	PF,PS,PATCH,NND,PAIRS=N1044/N1046,R=PF
PGC 10262		Galaxy S0- pec:
Sep 16 2009 31"	17mmT4	MB,MS,R,BLNUC,HICKSON,R=G
PGC 10268		Galaxy (R)SB(r)a pec?
Sep 16 2009 31"	17mmT4	PF,PS,EL,PATCH,UB,NND,HICKSON,R=F
PGC 10269		Galaxy S
Sep 16 2009 31"	17mmT4	NO FIND,LOC GOOD,HICKSON,R=P
PGC 10270		Galaxy SBm pec?
Sep 16 2009 31"	17mmT4	EF,VS,PATCH,TOOK AV A LONG TIME,AV ONLY A FEW TIMES,HICKSON,R=P
PGC 10351		Galaxy Sc
Sep 06 2002 12.5"	9mmT6	EEDIF,EF,VS,COMP=PGC 10360,WITH AV ONE OR THE OTHER VISIBLE,LOC GOOD

Cetus - The Whale

PGC 10360		Galaxy
Sep 06 2002 12.5"	9mmT6	EEDIF,EF,VS,COMP=PGC 10351,WITH AV ONE OR THE OTHER VISIBLE,LOC GOOD
PGC 10390		Galaxy Sbc
Sep 16 2009 31"	17mmT4	EF,VS,EL,PATCH,TOOK AV A WHILE,AV ONLY A FEW TIMES,PAIR=PGC10391,R=P
PGC 10391		Galaxy Sb
Sep 16 2009 31"	17mmT4	EF,V S,PATCH,TOOK AV A WHILE,AV ONLY A FEW TIMES,PAIR=PGC10390,R=P
PGC 10560		Galaxy Sb
Sep 19 2020 36"	17mmT4	PF,MS,EL,PATCH,NND,PAIR=1094,R=PF
PGC 11252		Galaxy Sd
Feb 09 2013 36"	17mmT4	VF,PS,EDGE ON,PATCH,UB,PA~10,R=P
Dec 12 2012 36"	17mmT4	VF,MS,EDGE ON,PA~10,UB,NND,VF* OFF NUC,R=PF
PGC 12524		Galaxy S?
Sep 12 2012 36"	17mmT4	PF,VS,PATCH,UB,NND,HICKSON 25,R=P
PGC 12530		Galaxy S
Sep 12 2012 36"	17mmT4	EF,ES,ALM TOUCH = PGC 12533,HICKSON 25,R=P
PGC 12531		Galaxy SAc pec:
Sep 12 2012 36"	17mmT4	MF,MS,EL-OVAL,FLNUC,SHISB CNTR,HICKSON 25,R=F
PGC 12533		Galaxy S?
Sep 12 2012 36"	17mmT4	VF,VS,WITH AV CAN JUST SPLIT THE PAIR,INTRACT=PGC 12530,HICKSON 25,R=P
PGC 12538		Galaxy S0?
Sep 12 2012 36"	17mmT4	VF,VS,PATCH,ALM TOUCH=PGC 12539,HICKSON 25,R=P
PGC 12539		Galaxy S?
Sep 12 2012 36"	17mmT4	MF,MS,OVAL,FLNUC,ALM TOUCH=PGC 12538,HICKSON 25,R=F
PGC 12550		Galaxy S
Sep 12 2012 36"	17mmT4	EF,ES,PATCH,AV HOLDS,HICKSON 25,R=P

Cancer - The Crab

IC 490		Galaxy	
Jan 24 2004 31"	17mmT4	VDIF,VF,PS,PATCH,UB,NND,AV,R=P	
IC 491		Galaxy	
Mar 17 2010 31"	17mmT4	MF,MS,PATCH,UB,NND,PAIR=MAC,R=F	
IC 492		Galaxy SB(s)bc:	
Mar 17 2010 31"	17mmT4	MF,MS,PATCH,NND,* IN EDGE,GRAN PATCHY AREAS,R=F	
IC 493		Galaxy Sb	
Mar 17 2010 31"	17mmT4	MF,ML,OVAL,FLNUC,SHISB,R=F	
IC 495		Galaxy	
Mar 17 2010 31"	17mmT4	MF,MS,OVAL,FLNUC,R=F	
IC 496		Galaxy Sbc	PF, S, E PF, LBM
Mar 17 2010 31"	17mmT4	MF,PS,R,FLNUC,CLOSE COMP=MAC,R=F	
IC 497		Galaxy S?	
Mar 17 2010 31"	17mmT4	MF,PS,BSNUC,PAIRS=PGC'S,R=F	
IC 501		Galaxy	
Mar 17 2010 31"	17mmT4	PF,PS,EL,NG,OVAL,NND,R=F	
IC 502		Galaxy E	
Mar 07 2021 36"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,R=F	
IC 508		Galaxy S?	
Mar 07 2021 36"	17mmT4	MB,ML,EL-OVAL,UB,NND,SHISB,R=FG	
IC 509		Galaxy SA(rs)c	
Mar 07 2021 36"	17mmT4	VF,MS,PATCH,UB,NND,R=PF	
IC 523		Galaxy Sab	
Mar 09 2021 36"	17mmT4	MF,MS,OVAL,UB,NND,R=P	
IC 526		Galaxy Sb	
Apr 02 2021 36"	17mmT4	MF,MS,OVAL,UB,NND,SHISB,R=FG	
IC 528		Galaxy Sab	
Dec 28 2008 31"	17mmT4	MB,PS,EL,VSF NUC,HICKSON GRP,OTHERS=PGC'S,R=F	
IC 2217		Galaxy S?	
Jan 24 2004 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,PAIR=MAC,R=F	
IC 2218		Galaxy	
Jan 24 2004 31"	17mmT4	PF,MS,OVAL,PATCH,*NUC,R=F	

Cancer - The Crab

IC	2219		Galaxy Sc
	Jan 24 2004 31"	17mmT4	DIF,PF,ML,OVAL,PATCH,UB,NND,R=F
IC	2226		Galaxy SABab
	Mar 17 2010 31"	17mmT4	MF,PS,OVAL,FSNUC,R=F
IC	2228		Galaxy
	Mar 17 2010 31"	17mmT4	PF,PS,R,UB,NND,F* IN OUTER EDGE,PAIR=2526,R=F
IC	2230		Galaxy C
	Mar 17 2010 31"	17mmT4	PF,PS,PATCH,FSNUC,R=F
IC	2239		Galaxy S0?
	Mar 17 2010 31"	17mmT4	MF,PS,R,BSNUC,* OFF EDGE,R=F
IC	2248		Galaxy Sb
	Mar 17 2010 31"	17mmT4	MF,MS,R,FSNUC,R=F
IC	2253		Galaxy E?
	Mar 17 2010 31"	17mmT4	MF,PS,OVAL,PATCH,BLNUC,R=F
IC	2254		Galaxy
	Mar 17 2010 31"	17mmT4	MF,PS,OVAL,FLNUC,F* IN EDGE,R=F
IC	2256		Galaxy I?
	Mar 17 2010 31"	17mmT4	PF,PS,OVAL,UB,NND,SHISB,PAIR=MAC,R=F
IC	2267		Galaxy SBcd?
	Mar 17 2010 31"	17mmT4	PF,ML,EL-EDGE ON,UB,NND,PAIRS=IC2268/MAC,R=F
IC	2268		Galaxy C
	Mar 17 2010 31"	17mmT4	MF,VS,OVAL-R,FSNUC,PAIRS=IC2267/MAC,R=P
IC	2269		Galaxy
	Mar 17 2010 31"	17mmT4	VF,MS,EL,UB,NND,R=F
IC	2271		Galaxy C
	Mar 17 2010 31"	17mmT4	PF,PS,R,FLNUC,R=F
IC	2282		Galaxy S?
	Mar 17 2010 31"	17mmT4	VF,ML,PATCH,UB,CLOSE TO B*,NND,R=F
IC	2288		Galaxy S?
	Mar 17 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,R=PF
IC	2290		Galaxy S0?
	Mar 17 2010 31"	17mmT4	VF,PS,OVAL-R,UB,NND,R=PF

Cancer - The Crab

IC	2293		Galaxy S?
Mar 17 2010	31"	17mmT4	DIF,PF,PL,OVAL,UB,NND,PAIR=2557,R=F
IC	2307		Galaxy
Mar 07 2021	36"	17mmT4	PF,PS,OVAL,UB,NND,PAIR=IC2308,R=PF
IC	2308		Galaxy S?
Mar 07 2021	36"	17mmT4	PF,PS,EL,UB,NND,PAIR=IC2307,R=PF
IC	2309		Galaxy
Mar 07 2021	36"	17mmT4	VF,VS,EDGE ON,UB,NND,AV HOLDS,R=P
IC	2329		Galaxy Sdm:
Mar 07 2021	36"	17mmT4	EF,VS,PATCH,AV,SUSP,R=P
IC	2337		Galaxy
Mar 07 2021	36"	17mmT4	EF,ES,OVAL,NND,VF* IN OR NEXT TO GLXY,R=P
IC	2338		Galaxy SAB(s)cd pec
Mar 26 2006	31"	17mmT4	MB,MS,EL,FLNUC,SHISB,COMP=IC2339,END TO END,SBM,NICE PAIR,R=F
IC	2339		Galaxy SAB(s)cd pec
Mar 26 2006	31"	17mmT4	MB,MS,EL,BLNUC,MHISB,COMP=IC2338,SVRL F"S OFF SIDE OF NUC,R=F
IC	2340		Galaxy L
Mar 07 2021	36"	17mmT4	MF,MS,OVAL,LNUC,BM,SHISB CNTR,R=F
IC	2341		Galaxy S0-:
Mar 26 2006	31"	17mmT4	PB,ML,OVAL,BLNUC,HALO OF ARMS SUR NUC,HISB CNTR,PAIRS=IC2339/IC2338/MAC,R=G
IC	2348		Galaxy S?
Mar 07 2021	36"	17mmT4	VF,VS,OVAL,UB,NND,R=PF
IC	2361		Galaxy S?
Mar 07 2021	36"	17mmT4	MF,ML,EL,EDGE ON,UB,NND,R=F
IC	2363		Galaxy SB(s)bc:
Mar 07 2021	36"	17mmT4	MB,MS,OVAL,FLNUC,F* OFF EDGE,SHISB CNTR,R=F
IC	2365		Galaxy S0
Mar 07 2021	36"	17mmT4	MB,ML,OVAL,BLNUC,HISB,MBM,R=FG
IC	2369		Galaxy
Mar 07 2021	36"	17mmT4	VF,VS,EL,PATCH,UB,NND,R=P
IC	2373		Galaxy Scd?
Mar 07 2021	36"	17mmT4	VF,MS,PATCH,UB,NND,R=PF

Cancer - The Crab

IC	2374		Galaxy S
Mar 16 2010	31"	17mmT4	VF,VS,PATCH,UC,AV FIRST THEN HOLDS,AGC 671,R=P
IC	2376		Galaxy S
Mar 16 2010	31"	17mmT4	EF,VS,PATCH,UB,NND,TOOK AV A WHILE TO LOCATE,IN BARRON AREA,AGC 671,R=P
IC	2378		Galaxy S?
Mar 16 2010	31"	17mmT4	PF,PS,EL,NND,AGC 671,R=F
IC	2380		Galaxy L
Mar 16 2010	31"	17mmT4	MF,ML,OVAL,FLNUC,SHISB CNTR,AGC 671,R=G
IC	2382		Galaxy Sb
Mar 07 2021	36"	17mmT4	PB,VS,OVAL,BSNUC,VMBM,HISB CNTR,R=FG
IC	2383		Galaxy
Mar 07 2021	36"	17mmT4	MF,VS,OVAL,FLNUC,R=F
IC	2384		Galaxy L
Mar 07 2021	36"	17mmT4	PF,VS,OVAL,FSNUC,R=F
IC	2387		Galaxy Scd:
Mar 07 2021	36"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,R=F
IC	2388		Galaxy
Mar 07 2021	36"	17mmT4	VF,VS,PATCH,UB,NND,MANY B*S IN FOV,R=PF
IC	2392		Galaxy Sc
Mar 07 2021	36"	17mmT4	PF,PS,PATCH,UB,NND,R=PF
IC	2393		Galaxy E
Mar 09 2021	36"	17mmT4	MF,MS,OVAL,BSNUC,B* IN FOV,MHISB CNTR,SHISB HALO,R=FG
IC	2394		Galaxy SB(s)b
Mar 09 2021	36"	17mmT4	PF,MS,R,TRY TO KEEP B* OUT OF FOV,BAR SUSP,FACE ON,VF* IN ARM,EL NUC,PAIR=PGC,R=F
IC	2398		Galaxy
Mar 09 2021	36"	17mmT4	PF,PS,OVAL,BLNUC,MBM,SHISB CNTR,R=F
IC	2399		Galaxy D
Mar 09 2021	36"	17mmT4	EF,VS,PATCH,NND,AV HOLDS,R=P
IC	2402		Galaxy S
Mar 09 2021	36"	17mmT4	PF,PS,R,FSNUC,SHISB CNTR,R=F
IC	2404		Galaxy SB(s)b
Mar 09 2021	36"	17mmT4	MF,MS,OVAL,UB,*NUC,SHISB,R=F

Cancer - The Crab

IC	2406		Galaxy S0/a
Mar 09 2021	36"	17mmT4	MB,MS,EL-OVAL,BLNUC,MHISB,HISB CNTR,PAIR=IC2407,R=FG
IC	2407		Galaxy Sb-c
Mar 09 2021	36"	17mmT4	PF,MS,EDGE ON,UB,NND,PAIR=IC2406,R=F
IC	2409		Galaxy SAB(s)a
Mar 09 2021	36"	17mmT4	MF,MS,OVAL-R,UB,NND,SHISB,R=F
IC	2411		Galaxy S
Mar 26 2006	31"	17mmT4	PF,PS,EL-EDGE ON,PATCH,UB,NND,PAIR=2667,R=F
IC	2414		Galaxy
Mar 09 2021	36"	17mmT4	PF,VS,R,UB,NND,R=P
IC	2421		Galaxy SA(rs)c
Mar 09 2021	36"	17mmT4	EF,MS,OVAL,UB,NND,AV HOLDS,PAIR=P24997,R=P
IC	2422		Galaxy C
Mar 09 2021	36"	17mmT4	MF,PS,OVAL,FSNUC,SHISB,PAIR=IC2423,R=F
IC	2423		Galaxy SAB(s)b
Mar 09 2021	36"	17mmT4	PF,MS,OVAL,BLNUC,SHISB,PAIR=IC2422,R=F
IC	2428		Galaxy Scd:
Apr 02 2021	36"	17mmT4	MF,PL,EL-EDGE ON,FLNUC,MHISB,SBM,SLT CNTR BULGE,MOSTLY UB THROT,R=FG
IC	2429		Galaxy S?
Apr 02 2021	36"	17mmT4	MB,PS,OVAL,FLNUC,SHISB CNTR,R=F
IC	2430		Galaxy S0/a
Apr 02 2021	36"	17mmT4	MB,MS,OVAL,BLNUC,B* IN FOV,V* OUTER EDGE,HISB CNTR,F HALO SUR NUC,R=FG
IC	2431		Galaxy Quad System
Apr 02 2021	36"	17mmT4	MB,MS,OVAL,UB,NND,SHISB,R=FG
IC	2433		Galaxy S
Apr 02 2021	36"	17mmT4	PF,MS,OVAL,UB,NND,R=F
IC	2435		Galaxy E
Apr 02 2021	36"	17mmT4	MF,MS,EL,BSNUC,MHISB CNTR,R=F
IC	2439		Galaxy S0?
Apr 02 2021	36"	17mmT4	MB,MS,EL-EDGE ON,BSNUC,MHISB,MBM,HISB CNTR,R=FG
IC	2444		Galaxy S?
Dec 28 2008	31"	17mmT4	PF,PS,R,FLNUC,R=F

Cancer - The Crab

MAC 0800+2728 Galaxy
Jan 24 2004 31" 17mmT4 DIF,EF,ES,PATCH,AV,PAIR=IC2217,R=P

MAC 0803+2621 Galaxy
Mar 17 2010 31" 17mmT4 EF,VS,PATCH,AV FIRST THEN HOLDS,R=P

MAC 0803+2627 Galaxy
Mar 17 2010 31" 17mmT4 VF,PS,PATCH,UB,NND,PAIR=IC491,R=F

MAC 0808+0900 Galaxy
Mar 17 2010 31" 17mmT4 PF,PS,OVAL,PATCH,FSNUC,R=F

MAC 0809+2552 Galaxy
Mar 17 2010 31" 17mmT4 PF,VS,PATCH,UB,NND,CLOSE COMP=IC496,CAN SEP,R=F

MAC 0817+2408 Galaxy
Mar 17 2010 31" 17mmT4 EF,VS,PATCH,AV TOOK A WHILE,HARD TO HOLD,PAIR=IC2256,R=P

MAC 0818+2445 Galaxy
Mar 17 2010 31" 17mmT4 EF,VS,PATCH,AV FIRST,HARD TO HOLD,* CLOSE BY,PAIRS=IC2267/IC2268,R=P

MAC 0819+2058 Galaxy
Mar 17 2010 31" 17mmT4 EF,ES,PATCH,AV TOOK A WHILE,HOLDS,KEEP B* OUT OF FOV,R=P

MAC 0822+2241 Galaxy
Feb 21 2020 36" 17mmT4 EF,ES,PATCH,AV HOLDS,PAIR=P23522,R=P

MAC 0823+2125 Galaxy
Mar 26 2006 31" 17mmT4 VF,VS,PATCH,UB,NND,PAIRS=IC2339/IC2338/IC2341,R=P

MAC 0828+3016 Galaxy
Mar 16 2010 31" 17mmT4 DIF,VF,MS,PATCH,UB,NND,AGC 671,R=F

MAC 0828+3017A Galaxy
Mar 16 2010 31" 17mmT4 EF,ES,PATCH,AV ONLY ONCE,SUSP,AGC 671,R=P

MAC 0828+3017B Galaxy
Mar 16 2010 31" 17mmT4 EF,VS,PATCH,TOOK AV LONG TIME,HARD TO HOLD,AGC 671,R=P

MAC 0828+3018 Galaxy
Mar 16 2010 31" 17mmT4 EF,VS,SUSP,AV ONLY ONCE,AGC 671,R=P

MAC 0828+3021 Galaxy
Mar 16 2010 31" 17mmT4 VF,VS,PATCH,UB,NND,AV HOLDS EASILY,LOC IN BARRON AREA,AGC 671,R=P

MAC 0828+3022 Galaxy
Mar 16 2010 31" 17mmT4 EF,ES,PATCH,TOOK AV A LONG TIME,AV COMES AND GOES,AV ONLY A FEW TIMES,AGC 671,R=P

Cancer - The Crab

MAC 0828+3023 Galaxy
 Mar 16 2010 31" 17mmT4 EF,VS,OVAL,AV ONLY A FEW TIMES,COMES AND GOES,AGC 671,R=P

MAC 0828+3024A Galaxy
 Mar 16 2010 31" 17mmT4 PF,MS,EL,BSNUC,SUDLY BM,AGC 671,R=F

MAC 0828+3024B Galaxy
 Mar 16 2010 31" 17mmT4 MB,ML,OVAL,FLNUC,SBM,SHISB CNTR,BTEST MAC TO DATE,AGC 671,R=G

MAC 0828+3026 Galaxy
 Mar 16 2010 31" 17mmT4 VF,VS,PATCH,*NUC,V CLOSE TO F*,AGC 671,R=F

MAC 0828+3027 Galaxy
 Mar 16 2010 31" 17mmT4 VF,VS,OVAL,PATCH,UB,NND,CLOSE COMP=PGC23797,AGC 671,R=F

MAC 0828+3033 Galaxy
 Mar 16 2010 31" 17mmT4 EF,VS,PATCH,AV ONLY A FEW TIMES,V CLOSE COMP=MAC,ONLY ONE OR THE OTHER,AGC 671,R=P

MAC 0828+3033A Galaxy
 Mar 16 2010 31" 17mmT4 EF,VS,PATCH,TOOK AV A LONG TIME TO LOC,BARRON AREA,CLOSE COMP=MAC,ONE OR THE OTHER NOT BOTH,AGC 671,R=P

MAC 0828+3034 Galaxy
 Mar 16 2010 31" 17mmT4 VF,VS,PATCH,UB,AV FIRST THEN HOLDS,AGC 671,R=P

MAC 0828+3035 Galaxy
 Mar 16 2010 31" 17mmT4 VF,VS,R,UB,NND,R=F

MAC 0829+3023 Galaxy
 Mar 16 2010 31" 17mmT4 PF,PS,OVAL,UB,NND,CLOSE TO B*,AGC 671,R=F

MAC 0848+1901 Galaxy
 Mar 26 2006 31" 17mmT4 EF,VS,PATCH,NND,AV,R=P

MAC 0848+1904 Galaxy
 Mar 26 2006 31" 17mmT4 EF,VS,PATCH,NND,R=P

MAC 0849+1904 Galaxy
 Mar 26 2006 31" 17mmT4 EF,VS,PATCH,NND,R=P

MAC 0916+2010B Galaxy
 Mar 06 2010 31" 17mmT4 VF,VS,PATCH,UB,NND,PAIR=2804,R=P

MAC 0916+3054A Galaxy
 Feb 22 2020 36" 17mmT4 VFVS,PATCH,UB,NND,R=P

MAC 0916+3054B Galaxy

Cancer - The Crab

MAC 0916+3054B		Galaxy	
Feb 22 2020 36"	17mmT4	PF,VS,FSNUC,PAIR=N2796,R=PF	
MAC 0917+2002A		Galaxy	
Mar 06 2010 31"	17mmT4	PF,VS,PATCH,UB,NND,MANY OTHERS PRESENT,R=F	
MAC 0917+2005		Galaxy	
Mar 06 2010 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,MANY OTHERS PRESENT,R=F	
NGC 2503		Galaxy SAB(rs)bc	EF,S,GLBM
Jan 24 2004 31"	17mmT4	DIF,MF,ML,PATCH,UB,NND,F* ON EDGE OF GLXY,R=F	
NGC 2507		H554-2 Galaxy S0/a pec	PB,PL,IR,VGBM,ER,*S
Jan 24 2004 31"	17mmT4	PB,PL,OVAL,BLNUC,2VF*S BOTH SIDES OF GLXY,MHISB CNTR,R=G	
NGC 2512		H605-3 Galaxy SBb	VF,S,IR
Jan 24 2004 31"	17mmT4	MF,PL,OVAL,FSNUC,R=F	
NGC 2513		H512-3 Galaxy E	F,S,R,PSMBM,R
Jan 24 2004 31"	17mmT4	MB,PL,BLNUC,MHISB CNTR,PAIRS=2511/2510 AND MAC'S,R=G	
NGC 2514		Galaxy SB(s)bc	EF,PS,IRRR,DIF
Jan 24 2004 31"	17mmT4	DIF,PF,PL,OVAL,PATCH,UB,NND,R=F	
NGC 2522		Galaxy S0/a	VF,VS,E,PSBM
Mar 17 2010 31"	17mmT4	MF,ML,EL,BLNUC,GRAD BM,MHISB CNTR,R=G	
NGC 2526		Galaxy S?	VF,S,ME
Mar 17 2010 31"	17mmT4	MF,MS,EL-OVAL,FLNUC,TAPERED ENDS,PAIR=IC2228,R=F	
NGC 2530		H752-3 Galaxy SB(s)d	EF,(SUSPECTED)
Mar 17 2010 31"	17mmT4	MF,ML,OVAL,FNUC,PATCHY AREAS,R=F	
NGC 2535		Galaxy SA(r)c pec	EF,VS,R
Mar 17 2010 31"	17mmT4	MB,ML,OVAL,VS*NUC,FACE ON,PATCHY AREAS SUR NUC,PAIR=2536,R=G	
Mar 17 2007 31"	17mmT4	PB,PL,OVAL,PATCH,UB,PATCHY NUC,SHISB,PAIR=2536,R=G	
NGC 2536		Galaxy SB(rs)c pec	VF,VS,R
Mar 17 2010 31"	17mmT4	MF,MS,PATCH,NND,PAIR=2535,R=F	
Mar 17 2007 31"	17mmT4	MB,ML,OVAL,FLNUC,PAIR=2535,R=F	
NGC 2540		Galaxy SB(rs)cd:	VF,PL,IR,BM,R
Mar 17 2010 31"	17mmT4	MF,ML,EL-OVAL,UB,NND,R=F	
NGC 2545		H627-2 Galaxy (R)SB(r)ab	F,S,LE45,*8NP4'
Feb 21 1984 12.5"	12mm	SAME,VDIF,MF,PS,F*N	
Oct 24 1981 12.5"	12mm	EDIF,VF,ES,F*N 1 GLXY DIA,PATCHY,NUC DET,*NUC	

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NGC 2553		Galaxy S?	VF,S,GLBM
Mar 17 2010 31"	17mmT4	MB,ML,OVAL,BLNUC,HISB CNTR,R=G	
NGC 2554		H303-2 Galaxy S0/a	F,S,R,MBM,R
Feb 21 2020 36"	17mmT4	PB,ML,OVAL,BNUC,MHISB,GMBM,HISB CNTR,F HALO,R=G	
NGC 2556		Galaxy S0	VF,VS
Mar 17 2010 31"	17mmT4	MF,MS,OVAL,FSNUC,R=F	
NGC 2557		Galaxy SB0	EF,ES,R,LBM
Mar 17 2010 31"	17mmT4	MB,ML,OVAL,FLNUC,PAIR=IC2293,R=G	
NGC 2558		H606-3 Galaxy SAB(rs)ab	VF,S,R,SBM,STELLAR
Mar 17 2010 31"	17mmT4	MB,ML,OVAL,BLNUC,GRAD BM,SHISB CNTR,R=F	
NGC 2560		Galaxy S0/a	F,PL
Mar 17 2010 31"	17mmT4	MB,MS,EL,BLNUC,GRAD BM,MHISB CNTR,B* IN FOV,R=G	
NGC 2562		H607-3 Galaxy S0/a:	VF,CS,R
Mar 07 2021 36"	17mmT4	PB,PL,EL,BLNUC,MHISB,HISB CNTR,PAIR=N2563,R=G	
Feb 21 2020 36"	17mmT4	PB,ML,EL,BLNUC,GMBM,PAIR=2563,R=G	
NGC 2563		H634-2 Galaxy S0^:	CF,S,R,BM
Mar 07 2021 36"	17mmT4	VB,PL,OVAL,BLNUC,MHISB,HISB CNTR,PAIR=N2562,R=G	
Feb 21 2020 36"	17mmT4	PB,ML,OVAL,BLNUC,GMBM,PAIR=2562,R=G	
NGC 2565		Galaxy (R')SBbc:	F,BIN
Mar 17 2010 31"	17mmT4	MB,VS,R,BSNUC,B* IN EDGE,PAIR=PGC23357,R=F	
NGC 2569		Galaxy E?	VF,CE,3VS*F
Mar 07 2021 36"	17mmT4	PF,PS,OVAL,FLNUC,PAIR=N2570,R=F	
NGC 2570		Galaxy Sab	EEF,L,R,N OF 2
Mar 07 2021 36"	17mmT4	PF,PS,OVAL,UB,NND,PAIR=N2569,R=F	
NGC 2572		Galaxy Sa?	EF,VS,IF,*13ATT
Mar 07 2021 36"	17mmT4	PF,MS,OVAL,UB,NND,VF* OFF NUC,R=F	
NGC 2575		Galaxy SA(rs)cd:	EF,PL,IR,SEV F*INV
Mar 07 2021 36"	17mmT4	PF,VS,R,*NUC,2 VF*S OPPOSITE SIDES IN EDGO OF ARMS,R=F	
NGC 2576		Galaxy Sb	EF,ES,STELLAR
Mar 07 2021 36"	17mmT4	PF,MS,EL,EDGE ON,FLNUC,R=F	
NGC 2577		H259-2 Galaxy S0-:	F,S,IF,R
Feb 21 2020 36"	17mmT4	MB,ML,EL-OVAL,BLNUC,MHISB CNTR,SBM,R=G	

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NGC 2581		Galaxy SB?	VF,VS,R,VF*INV,F*ATT
Mar 07 2021 36"	17mmT4	MF,MS,OVAL-R,PATCH,NND,SHISB,R=F	
NGC 2582		H753-3 Galaxy (R')SAB(s)ab	VF,PS,R,GLBM,*P75"
Feb 21 2020 36"	17mmT4	MF,PL,OVAL-R,VFSNUC,2VF*S IN GLXY,R=F	
NGC 2592		H315-2 Galaxy E	PF,S,R,VSBM*
Feb 21 2020 36"	17mmT4	MB,ML,R,VBNUC,VF* OFF EDGE,HISB CNTR,SBM,R=FG	
NGC 2593		Galaxy S0/a	EF,VS
Mar 07 2021 36"	17mmT4	MF,MS,EL,FSNUC,SHISB,R=F	
NGC 2594		Galaxy L	EF
Feb 21 2020 36"	17mmT4	MB,MS,R,BSNUC,HISB CNTR,R=F	
NGC 2595		H599-3 Galaxy SAB(rs)c	VF,PL,IF,R,D*SP2'
Feb 21 2020 36"	17mmT4	MF,PS,OVAL,UB NUC,VF GLOW SUR NUC ON SIDE TOWARDS F*,R=F	
NGC 2596		Galaxy Sb	VF,S,LE
Mar 07 2021 36"	17mmT4	MB,ML,EL,UB,NND,MHISB,R=FG	
NGC 2597		Galaxy SBa?	EF,VS
Mar 09 2021 36"	17mmT4	MF,MS,EL-EDGE ON,BNUC,MHISB CNTR,R=FG	
NGC 2598		Non-Existent	F,S
Mar 07 2021 36"	17mmT4	MB,PS,EL-EDGE ON,BSNUC,SHISB,GMBM,R=FG	
NGC 2599		H234-3 Galaxy SAa	VF,S,STELLAR
Feb 21 2020 36"	17mmT4	MB,MS,R,BNUC,HISB CNTR,F HALO,R=F	
NGC 2604		H292-3 Galaxy SB(rs)cd	VF,PL,R,LBM,R,D*NR
Mar 07 2021 36"	17mmT4	PF,MS,R,FNUC,BAR DET IN NUC,F HALO ARMS,R=FG	
Feb 21 2020 36"	17mmT4	MF,ML,EL,UB,NND,R=F	
NGC 2607		Galaxy S?	EF
Mar 07 2021 36"	17mmT4	PF,PS,OVAL,FLNUC,SHISB,R=FG	
NGC 2608		H318-2 Galaxy SB(s)b:	F,VLE,MBM,R
Feb 21 1984 12.5"	12mm	SAME	
Oct 24 1981 12.5"	12mm	EDIF,VF,PS,PATCHY,UB,NND	
Dec 03 1980 12.5"	24mm		
NGC 2611		Galaxy	VF,S,PME,GBM
Mar 07 2021 36"	17mmT4	PF,PS,EL-EDGE ON,UB,NND,SHISB,R=F	
NGC 2619		H319-2 Galaxy Sbc	F,PS,R,BM,R
Feb 22 2020 36"	17mmT4	MF,ML,EL,FLNUC,R=G	

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NGC 2620		Galaxy S?	F,S,E
Mar 07 2021 36"	17mmT4	PF,MS,EL-EDGE ON,UB,NND,TAPERED ENDS,PAIR=N2621,R=F	
NGC 2621		Galaxy S	VF,S,R
Mar 07 2021 36"	17mmT4	MF,VS,OVAL,SOFT FLNUC,PAIR=N2620,R=F	
NGC 2622		Galaxy S?	F,S,R
Mar 07 2021 36"	17mmT4	MB,MS,EL-EDGE ON,FLNUC,SHISB,R=FG	
NGC 2623		Galaxy Pec	VF,VS,R,BM,R
Mar 26 2006 31"	17mmT4	MB,ML,OVAL,VBLNUC,F HALO SUR NUC,MHISB CNTR,V R NUC RGN,R=E	
NGC 2624		Galaxy S	EF
Mar 07 2021 36"	17mmT4	MF,MS,EL-OVAL,FLNUC,SHISB,PAIR=N2625,R=FG	
NGC 2625		Galaxy	EF,VS
Mar 07 2021 36"	17mmT4	MF,MS,OVAL,FLNUC,SHISB,PAIR=N2624,R=FG	
NGC 2628		H235-3 Galaxy SAB(r)c?	EF,S
Feb 22 2020 36"	17mmT4	MF,PL,OVAL,PATCH,UB,NND,F* OFF EDGE,R=G	
NGC 2632	M44	Open Cluster II 3 m	PRAESEPE CANCRI
Mar 03 2021 36"	55mm	(II 3 r),EEB,EEEL,BEST IN FINDER,STANDS OUT WELL,TOO L FOR 55MM,(9:33pm),R=P	
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 02 1984 10"	20mm	SAME	
Feb 21 1984 12.5"	24mm	EB,EL,BEST IN FINDER,OVERFILLS EYEPIECE	
Mar 27 1982 12.5"	24mm	EB,EL,BEST IN FINDER,OVERFILLS 24MM	
Oct 24 1981 12.5"	24mm	VB,EL,GOOD IN FINDER	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Dec 03 1980 12.5"	24mm		
Oct 31 1980 12.5"	24mm		
Sep 10 1980 12.5"	24mm		
May 07 1980 5"	9mm		
NGC 2637		Galaxy	EEF,VS
Mar 07 2021 36"	17mmT4	VF,VS,PATCH,UB,NND,B*S IN FOV,R=P	
NGC 2643		Galaxy	EF NEB*
Mar 07 2021 36"	17mmT4	VF,VS,PATCH,UB,NND,B*S IN FOV,R=PF	
NGC 2647		Galaxy C	NEB*
Mar 07 2021 36"	17mmT4	MF,PS,R,VBSNUC,SHISB CNTR,R=F	
NGC 2648		H49-3 Galaxy Sa	F,S,VLE135,PSBM
Mar 26 2006 31"	17mmT4	VB,VL,EL,BLNUC,F OUTER ARMS,MBM,HISB CNTR,L CNTR BULGE,PAIR,R=E	
NGC 2651		Galaxy Sc	EF,S,E

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NGC 2651		Galaxy Sc	EF,S,E
Mar 07 2021 36"	17mmT4	VF,VS,PATCH,NND,R=P	
NGC 2657		Galaxy SA(rs)d:	VF,VS,IR,F*ATT F
Mar 07 2021 36"	17mmT4	VF,PS,PATCH,UB,NND,R=P (REDO SOME DAY)	
NGC 2661		H50-3 Galaxy Scd:	EF,CL,R,LBM
Feb 22 2020 36"	17mmT4	MF,PL,OVAL,PATCH,UB,NND,* OFF EDGE,R=G	
NGC 2667		Galaxy Sb	EF
Mar 26 2006 31"	17mmT4	MB,ML,EL-EDGE ON,BSNUC,B NUC BAR LIKE,MHISB CNTR,PAIR=IC2411,R=G	
NGC 2672		H48-2 Galaxy E1-2	PB,PL,IR,MBM
Mar 09 2021 36"	17mmT4	PB,PL,R,BLNUC,COMP=N2673 IN HALO,MINI M51,GMBM,GRAN HALO,F*IN OUTER HALO,R=GE	
Mar 26 2006 31"	17mmT4	VB,VL,R,BLNUC,F* OFF EDGE,CLOSE COMP=2673,MHISB ARMS,BM,HISB MID,MINI M51,R=E	
Feb 21 1984 12.5"	12mm	SAME,ANOTHER VF* TO E 1 GLXY DIA,SBM,DIF,MF,PS,EL,SN?	
Oct 24 1981 12.5"	16mm	EDIF,PF,VS,F*N 1 GLXY DIA,SMWHT BM	
Dec 03 1980 12.5"	24mm		
NGC 2673		Galaxy E0 pec	VF,VS,CLOSE F2672
Mar 09 2021 36"	17mmT4	PB,ML,OVAL-R,BSNUC,HISB,COMP=N2672 IN HALO,MINI M51,GRAN HALO,R=FG	
Mar 26 2006 31"	17mmT4	MF,MS,BSNUC,CLOSE COMP=2672,MINI M51,R=G	
NGC 2677		Galaxy Sb	EF,VS,RR,(VS CL)
Mar 09 2021 36"	17mmT4	MF,PS,OVAL,FSNUC,SHISB,R=F	
NGC 2678		H10-8 Open Cluster 4 stars	CL,VLC,P
Feb 22 2020 36"	17mmT4	VB,VL,OPEN CL 4-5 *S,VAR MAG'S,LOOSELY SC,R=P	
NGC 2679		H294-3 Galaxy SB0	PF,PS,R,BM,DW/2680
Feb 22 2020 36"	17mmT4	PB,PS,R,VBSNUC,SN LIKE * JUST OFF NUC,HISB CNTR,R=G	
NGC 2682	M67	Open Cluster II 3 r	CL,VB,VL,ERI,LC,*10.
Mar 03 2021 36"	55mm	(II 3 r),VB,VL,NICE FOV,*S VAR MAG,CL DET,R IN SHAPE,STANDS OUT WELL,(9:40pm),R=GE	
Mar 08 2013 36"	17mmT4	MESSIER MARATHON 2013	
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 02 1984 10"	20mm	SAME	
Feb 21 1984 12.5"	16mm	SAME,WELL PLACED IN 16MM,VB,VL	
Mar 27 1982 12.5"	24mm	VB,VL,HUNDREDS OF *S,~SAME MAG	
Oct 24 1981 12.5"	24mm	VB,VL,80*S IN R SHAPE	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Dec 03 1980 12.5"	24mm		
NGC 2711		Galaxy SB?	VF,S,R
Mar 09 2021 36"	17mmT4	MF,MS,OVAL,LNUC,GMBM,MHISB,R=FG	
NGC 2720		Galaxy S0-:	F,S,R,BM

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NGC 2720		Galaxy S0-:	F,S,R,BM
Mar 09 2021 36"	17mmT4	MB,ML,EL-OVAL,BLNUC,SHISB,MHISB CNTR,GMBM,GRAN SUSP,PAIR=P25245,R=FG	
NGC 2725		Galaxy S?	F,PL,P OF 2
Mar 09 2021 36"	17mmT4	MF,MS,OVAL-R,UB,NND,SHISB,R=F	
NGC 2728		Galaxy Sb	VF,PL,LE,F OF 2
Mar 09 2021 36"	17mmT4	VF,MS,OAVL,UB,NND,R=PF	
NGC 2730		Galaxy SBdm:	VF,L,R
Mar 09 2021 36"	17mmT4	MB,ML,OVAL-R,UB,NND,SHISB,FACE ON,SPR STR SUSP,R=F	
NGC 2731		Galaxy S?	F,VS,R
Mar 09 2021 36"	17mmT4	MB,ML,EL-OVAL,BLNUC,MHISB,HISB CNTR,GMBM,F* ON EDGE,R=FG	
NGC 2734		Galaxy	EF,VS,R
Apr 02 2021 36"	17mmT4	MF,ML,OVAL,UB,NND,SHISB,VF*S OFF ONE SIDE,R=FG	
NGC 2735		Galaxy SAB(rs)b? pec	S*INVIN VF,VS NEB,E
Mar 26 2006 31"	17mmT4	MF,ML,EL,BSNUC,GMBM,HISB CNTR,PAIR=2735A,R=G	
NGC 2735A		Galaxy Im: pec	
Mar 26 2006 31"	17mmT4	PF,VS,EL,FSNUC,PAIR=2735,R=F	
NGC 2737		Galaxy Sab	VF,VS,D W/2738
Apr 02 2021 36"	17mmT4	MB,MS,EL,SBMUC,SBM,HISB CNTR,PAIR=N2738,R=FG	
NGC 2738		Galaxy S?	PB,S,IF,D W/2737
Apr 02 2021 36"	17mmT4	MB,ML,OVAL,UB,NND,MHISB,PAIR=N2737,R=G	
NGC 2743		H608-3 Galaxy Sdm:	EF,S,R,VLBM
Feb 22 2020 36"	17mmT4	MF,ML,PATCH,NND,R=G	
NGC 2744		H60-3 Galaxy SB(s)ab: pec	VF,S,R,R,D* NR
Feb 22 2020 36"	17mmT4	MB,MS,PATCHY NUC,SHISB,R=G	
NGC 2745		Galaxy C	EF,VS,STELL,F OF 2
Apr 02 2021 36"	17mmT4	PF,PS,OVAL,FLNUC,SHISB CNTR,R=F	
NGC 2747		Galaxy	VF,VS,STELLAR
Feb 22 2020 36"	17mmT4	VF,VS,PATCH,NND,R=PF	
NGC 2749		Galaxy E3	PF,S,R,BMN=*15
Feb 22 2020 36"	17mmT4	PB,ML,OVAL,BLNUC,HISB CNTR,GRAN HALO,R=G	
Feb 21 1984 12.5"	16mm	SAME,VDIF,VF,VS	
Oct 24 1981 12.5"	12mm	EDIF,EF,MS,F*E SUSP,SBM,PATCHY,R	
Dec 03 1980 12.5"	24mm		

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NGC 2750		H291-3	Galaxy SABc	VF,CL,R,BMN,2C *P
Feb 22 2020 36"	17mmT4	PB,PL,OVAL-R,BSNUC,SPR STR DET,GRAN HALO,FARMS,SOFT NUC,R=GE		
NGC 2751			Galaxy Sbc	EF,ES,STELLAR
Feb 22 2020 36"	17mmT4	VF,VS,EL,UB,NND,PAIR=N2749,R=PF		
NGC 2752			Galaxy SBb: sp	PF,PL,VME,GBM
Feb 22 2020 36"	17mmT4	MF,VL,EDGE ON,NND,PAIR=N2749,CNTR BULDGING,WISPY ENDS,TAPERED ENDS,R=GE		
NGC 2753			Galaxy	VF,VS,*14NP40"
Apr 02 2021 36"	17mmT4	MB,MS,EL,LNUC,MHISB CNTR,R=F		
NGC 2761			Galaxy Sm	VF,S
Apr 02 2021 36"	17mmT4	MF,MS,PATCH,SHISB,SBM,R=F		
NGC 2764		H236-3	Galaxy S0:	CF,VS,R,ER,BET2PB*
Feb 21 1984 12.5"	12mm	SAME,LOC BET 2F*S,VDIF,VF,VS		
Oct 24 1981 12.5"	12mm	EEDIF,EF,VS,NND,PATCHY,POORLY DEFINED,R OVAL SHAPE		
NGC 2766			Galaxy Sab	VF,VS,IF,BM
Apr 02 2021 36"	17mmT4	MB,ML,EL-EDGE ON,FLNUC,SHISB,R=FG		
NGC 2773			Galaxy S?	VF,S,LE
Apr 02 2021 36"	17mmT4	MB,MS,OVAL,LNUC,SHISB,MHISB CNTR,NUC NOT WELL DEFINED,R=FG		
NGC 2774		H61-3	Galaxy S	VF,S,R,AM5S*
Feb 22 2020 36"	17mmT4	MF,VS,OVAL,*NUC,R=F		
NGC 2775		H2-1	Galaxy SA(r)ab	CB,CL,R,VGVSMBM,R
Apr 02 2021 36"	17mmT4	VB,VL,R,BLNUC,HISB,LOOKS LIKE GLOB CL,GRAN HALO,NUC VB WELL DEFINED,SUDLY MBM,R=E		
Feb 21 1984 12.5"	16mm	SAME		
Oct 24 1981 12.5"	12mm	DIF,MF,ML,B CNTR RGN,UB,GOOD DEFINITION WHERE ARMS WIND SUR NUC		
Dec 03 1980 12.5"	24mm			
NGC 2777			Galaxy Sab?	F,S
Apr 02 2021 36"	17mmT4	MB,MS,OVAL,UB,MHISB,R=FG		
NGC 2783		H295-3	Galaxy E	VF,VS,R,2PB* SP
Dec 28 2008 31"	17mmT4	MB,MS,LF NUC,ALM TOUCH PGC26004,HICKSON GRP R=F		
NGC 2783B			Galaxy Sbc	
Dec 28 2008 31"	17mmT4	MF,PS,EL,UB,NND,HICKSON GRP,R=F		
NGC 2796		H296-3	Galaxy Sa?	EF,S,R,LBM
Feb 22 2020 36"	17mmT4	PF,PS,OVAL,FLNUC,PAIRS=MAC'S,R=F		
NGC 2802		H62-3	Galaxy S?	VF,S,R,R,NP OF 2

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NGC 2802		H62-3	Galaxy S?	VF,S,R,R,NP OF 2
Feb 22 2020 36"	17mmT4	VF,PS,ELOVBAL,VNUC,CLOSE COMP=N2803,R=FG		
NGC 2803		H63-3	Galaxy S?	VF,S,R,R,SF OF 2
Feb 22 2020 36"	17mmT4	VF,MS,EL-OVAL,FNUC,CLOSE COMP=N2802,R=F		
NGC 2804			Galaxy S0	VF,S,R
Mar 06 2010 31"	17mmT4	MB,ML,R,FLNUC,GRAD MBM,MHISB CNTR,PAIR=MAC,R=G		
NGC 2806			Galaxy Sb	VF,STELLAR,P 2809
Mar 06 2010 31"	17mmT4	MB,ML,R,BSNUC,MHISB CNTR,MANY OTHERS PRESENT,R=F		
NGC 2807			Galaxy	VF,VS,2809F7S,N2'
Mar 06 2010 31"	17mmT4	PF,PS,PATCH,FLNUC,MANY OTHERS PRESENT,R=F		
NGC 2809			Galaxy S0	VF,S,R
Mar 06 2010 31"	17mmT4	PB,ML,R,BLNUC,HISB,SBM,MHISB CNTR,MANY OTHERS PRESENT,R=G		
NGC 2843		H64-3	Galaxy	S* AND NEB
Feb 22 2020 36"	17mmT4	EF,ES,PATCH,V CLOSE TO B*,LOC GOOD,R=P		
PGC 22506			Galaxy Sb	
Nov 17 2012 36"	17mmT4	MB,MS,EDGE ON,BLNUC,* OFF NUC,TAPERED ENDS,MHISB CNTR,PA~100,R=F		
PGC 22556			Galaxy E/S0	
Jan 24 2004 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,CLOSE TO B*,R=F		
PGC 22568			Galaxy	
Jan 24 2004 31"	17mmT4	DIF,VF,VS,PATCH,UB,NND,R=P		
PGC 22733			Galaxy Sab	
Mar 17 2010 31"	17mmT4	PF,PS,PATCH,UB,NND,R=F		
PGC 22803			Galaxy Sb-c	
Mar 17 2010 31"	17mmT4	PF,MS,EL,UB,NND,R=P		
PGC 22856			Galaxy L	
Mar 17 2010 31"	17mmT4	MF,MS,OVAL,BSNUC,PAIR=PGC22860,R=F		
PGC 22860			Galaxy SBb	
Mar 17 2010 31"	17mmT4	PF,ML,EL-EDGE ON,UB,NND,PAIR=PGC22856,R=F		
PGC 22916			Galaxy	
Mar 17 2010 31"	17mmT4	EF,VS,PATCH,TOOK A WHILE TO LOCATE,HARD TO HOLD,PAIRS=IC497/PGC'S,R=P		
PGC 22917			Galaxy I R	
Mar 17 2010 31"	17mmT4	VF,PS,OVAL,UB,NND,PAIRS=IC497/PGC'S,R=P		

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PGC 22921		Galaxy Scd:
Mar 17 2010 31"	17mmT4	VF,MS,EDGE ON,UB,NND,VF* CLOSE TO NUC,PAIRS=IC497/PGC'S,R=P
PGC 23169		Galaxy Sbc
Mar 17 2010 31"	17mmT4	MF,ML,EDGE ON,NND,SOME CNTR BULGEING,* OFF TIP,R=F
PGC 23289		Galaxy Sab: sp
Mar 17 2010 31"	17mmT4	MF,MS,EL,UB,NND,PAIR=PGC23292,R=F
PGC 23292		Galaxy
Mar 17 2010 31"	17mmT4	PF,PS,OVAL,UB,NND,PAIR=PGC23289,R=F
PGC 23357		Galaxy S
Mar 17 2010 31"	17mmT4	PF,MS,PATCH,NND,PAIR=2565,R=P
PGC 23359		Galaxy
Mar 17 2010 31"	17mmT4	EF,PS,PATCH,AV FIRST THEN HOLDS,KEEP B* OUT OF FOV,R=P
PGC 23391		Galaxy SAdm
Mar 07 2021 36"	17mmT4	EF,VS,PATCH,AV THEN HOLDS,R=P
PGC 23522		Galaxy SABc:
Feb 21 2020 36"	17mmT4	DIF,MB,ML,OVAL,PATCH,NND,FARMS,3 SN LIKE *S IN GLXY,R=F
PGC 23758		Galaxy
Mar 16 2010 31"	17mmT4	MF,MS,PATCH,VFSNUC,CLOSE TO *,AGC 671,R=F
PGC 23759		Galaxy
Mar 16 2010 31"	17mmT4	VF,PS,EL-EDGE ON,NND,AGC 671,R=P
PGC 23797		Galaxy
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,CLOSE COMP=MAC,AGC 671,R=F
PGC 23825		Galaxy I
Mar 16 2010 31"	17mmT4	MF,MS,EDGO ON,UB,NND,R=F
PGC 23935		Galaxy SAB(rs)c pec
Mar 26 2006 31"	17mmT4	DIF,PF,VL,OVAL,PATCH,NND,VLCNTR RGN,PATCHY,R=F
PGC 24469		Galaxy S?
Mar 26 2006 31"	17mmT4	PF,MS,EL,PATCH,UB,NND,PAIR=2648,R=F
PGC 24490		Galaxy Sb
Feb 09 2013 36"	17mmT4	VF,MS,EDGE ON,PATCH,UB,NND,PA=0,CIGAR SHAPE,SLT CNTR BULGE,R=P
PGC 24674		Galaxy Scd:
Mar 09 2021 36"	17mmT4	VF,PS,OVAL,UB,NND,PAIR=IC2394,R=P

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PGC 24902		Galaxy S0?	
Mar 17 2007 31"	17mmT4	PB,ML,OVAL,BLNUC,HISB CNTR,R=G	
PGC 24997		Galaxy S?	
Mar 09 2021 36"	17mmT4	PF,MS,OVAL,UB,NND,F* IN GLXY,PAIR=IC2421,R=PF	
PGC 25245		Galaxy S	
Mar 09 2021 36"	17mmT4	EF,VS,EL,UB,NND,AV,PAIR=N2720,R=P	
PGC 25779		Galaxy S	
Dec 28 2008 31"	17mmT4	EF,ES,PATCH,AV COMES AND GOES,AV,SUSP,HICKSON GRP,R=P	
PGC 25782		Galaxy S	
Dec 28 2008 31"	17mmT4	EF,ES,PATCH,AV COMES AND GOES,AV,SUSP,HICKSON GRP,R=P	
PGC 25784		Galaxy	
Dec 28 2008 31"	17mmT4	PF,PS,PATCH,UB,VFS NUC,R=F	
PGC 25791		Galaxy S	
Dec 28 2008 31"	17mmT4	EF,VS,PATCH,UB,AV HOLDS AT TIMES,HICKSON GRP,OTHERS=PGC'S,R=P	
PGC 26004		Galaxy S?	
Dec 28 2008 31"	17mmT4	VF,VS,PATCH,NND,ALM TOUCH 2783,V CLOSE PAIR,HICKSON GRP,R=P	
PGC 26006		Galaxy L	
Dec 28 2008 31"	17mmT4	EF,VS,PATCH,AV,HICKSON GRP,R=P	
PGC 26009		Galaxy S	
Dec 28 2008 31"	17mmT4	EF,VS,PATCH,AV,HICKSON GRP,R=P	
PGC 26226		Galaxy Sb	
Mar 06 2010 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,MANY OTHERS PRESENT,R=F	

Columba - The Dove

NGC 1808		Galaxy (R)SAB(s)a	B,L,E,PSBM
Dec 21 1981 12.5"	32mm	DIF,MF,PS,EL,SBM,1972 CLOSE BY	
NGC 1851		Globular	GCL,VB,VL,R,VSVVBM
Oct 12 2012 36"	17mmT4	EB,EL,BLNUC,HISB,V SIM TO M15,RSLV TO CORE,8,8 DEG ABOVE HRZN,HUNDREDS OF F* SUR CORE,HISB CNTR,R=GE	

Coma Berenices - Berenice's Hair

IC 755		Galaxy
Apr 19 2014 36"	17mmT4	MF,MS,EDGE ON,UB,NND,PA~140,SLT THICKER IN CNTR,R=F
IC 787		Galaxy S?
Mar 07 2021 36"	17mmT4	MF,PS,EL,FNUC,R=F
IC 803		Galaxy S
Mar 17 2009 31"	17mmT4	VF,VS,OVAL,PATCH,NND,CAN BARELY SEP WITH MAC1239+1635C,OTHERS,R=F
IC 834		Galaxy S
May 18 2009 31"	17mmT4	MB,MS,OVAL,BLNUC,AGC 1656,R=F
IC 835		Galaxy S?
May 18 2009 31"	17mmT4	MB,ML,PATCH,UB,NND,MHISB,AGC 1656,R=G
IC 3292		Galaxy L
Mar 08 2010 31"	17mmT4	PF,PS,OVAL,FLNUC,R=F
IC 3522		Galaxy IBm: sp
Mar 09 2021 36"	17mmT4	EF,VS,PATCH,NND,AV,SUSP,R=P
IC 3528		Galaxy SAB(r)b
Mar 09 2021 36"	17mmT4	MF,PS,OVAL,UB,NND,SHISB,PAIR=N4540,R=F
IC 3900		Galaxy SB0:
May 18 2009 31"	17mmT4	MB,MS,R,BLNUC,AGC 1656,R=G
IC 3913		Galaxy S?
May 18 2009 31"	17mmT4	DIF,PF,MS,OVAL,PATCH,UB,NND,AGC 1656,R=F
IC 3955		Galaxy SA0
May 14 2009 31"	17mmT4	MF,MS,BSNUC,AGC 1656,R=F
IC 3973		Galaxy SB0
May 14 2009 31"	17mmT4	MB,PS,OVAL,BSNUC,AGC 1656,R=F
IC 3976		Galaxy E6
May 14 2009 31"	17mmT4	PF,PS,OVAL,BSNUC,AGC 1656,R=F
IC 3998		Galaxy SB0
May 14 2009 31"	17mmT4	MF,MS,OVAL,BLNUC,AGC 1656,R=F
IC 4011		Galaxy E
May 14 2009 31"	17mmT4	PF,PS,FSNUC,AGC 1656,R=F
IC 4045		Galaxy E4
Apr 02 2021 36"	17mmT4	MB,MS,OVAL,BSNUC,MHISB CNTR,MANY OTHERS PRESENT,R=FG

Coma Berenices - Berenice's Hair

IC	4051	H363-3	Galaxy E0
Apr 02 2021	36"	17mmT4	MB,MS,OVAL,BSNUC,MHISB CNTR,MANY OTHERS PRESENT,R=FG
MAC	1204+2009		Galaxy
Mar 08 2010	31"	17mmT4	VF,VS,PATCH,UB,NND,TOOK AV A WHILE TO HOLD,PAIRS=NGC'S/PGC,R=P
MAC	1204+2013		Galaxy
Mar 08 2010	31"	17mmT4	PF,PS,OVAL,UB,NND,PAIR=4076,R=F
MAC	1204+2023A		Galaxy
Mar 08 2010	31"	17mmT4	VF,VS,PATCH,NND,AV TOOK A WHILE THEN HOLDS,PAIRS=NGC'S,R=P
MAC	1212+2908		Galaxy
Mar 17 2009	31"	17mmT4	EF,ES,SUSP,OFF TIP OF NGC4174,CLOSE COMP=MAC,R=P
MAC	1213+1607		Galaxy
Mar 17 2009	31"	17mmT4	VF,MS,OVAL,*NUC,B RGN OR VSNUC,MORE OVAL THAN PGC39014,R=F
MAC	1213+1609		Galaxy
Mar 17 2009	31"	17mmT4	EF,VS,PATCH,NND,AV HOLDS,R=P
MAC	1218+1422		Galaxy
Mar 08 2010	31"	17mmT4	EF,VS,PATCH,COMES AND GOES WITH AV,PAIR=4254,R=P
MAC	1239+1635B		Galaxy
Mar 17 2009	31"	17mmT4	EF,ES,SUSP ONLY,AREA OF EF NEB BET IC803 AND MAC1239+1635C,R=P
MAC	1239+1635C		Galaxy
Mar 17 2009	31"	17mmT4	VF,VS,BSNUC,CAN BARELY SEP WITH IC803,OTHERS,R=F
MAC	1239+1635D		Galaxy
Mar 17 2009	31"	17mmT4	EF,ES,SUSP ONLY,R=P
MAC	1250+2718		Galaxy
May 14 2009	31"	17mmT4	EF,VS,PATCH,AV ONLY A FEW TIMES,R=P
MAC	1250+2722		Galaxy
May 14 2009	31"	17mmT4	VF,PS,PATCH,CLOSE TO F*,R=P
MAC	1250+2729		Galaxy
May 14 2009	31"	17mmT4	VF,VS,PATCH,R=P
MAC	1251+2724B		Galaxy
May 14 2009	31"	17mmT4	VF,VS,PATCH,AV FIRST,COMES AND GOES,R=P
MAC	1251+2732		Galaxy
May 17 2009	31"	17mmT4	EF,VS,PATCH,AV ONCE,V CLOSE TO B*,AGC1656,R=P

Coma Berenices - Berenice's Hair

MAC 1251+2758		Galaxy
May 14 2009 31"	17mmT4	EF,ES,PATCH,AV COMES AND GOES,AGC 1656,R=P
MAC 1252+2705		Galaxy
May 17 2009 31"	17mmT4	VF,PS,PATCH,UB,NND,AGC1656,R=P
MAC 1252+2709		Galaxy
May 17 2009 31"	17mmT4	EF,VS,PATCH,NND,AV COMES AND GOES,AGC1656,R=P
MAC 1252+2824		Galaxy
May 17 2009 31"	17mmT4	VF,PS,PATCH,UB,NNDAGC1656,R=P
MAC 1253+2657		Galaxy
May 17 2009 31"	17mmT4	VF,VS,EL,UB,NND,AGC1656,R=F
MAC 1253+2702		Galaxy
May 17 2009 31"	17mmT4	VF,VS,PATCH,NND,AGC1656,R=P
MAC 1253+2747		Galaxy
May 17 2009 31"	17mmT4	MB,MS,EL,FLNUC,A BMAC,AGC1656,R=F
MAC 1253+2812		Galaxy
May 17 2009 31"	17mmT4	VF,PS,PATCH,NND,AGC1656,R=P
MAC 1253+2856		Galaxy
May 17 2009 31"	17mmT4	EF,VS,PATCH,AV ONLY ONCE OR TWICE,AGC1656,R=P
MAC 1254+2737		Galaxy
May 17 2009 31"	17mmT4	MF,MS,EL,UB,NND,NICE MAC,AGC1656,R=F
MAC 1254+2804		Galaxy
May 17 2009 31"	17mmT4	VF,PS,PATCH,NND,AGC1656,R=P
MAC 1254+2805A		Galaxy
May 17 2009 31"	17mmT4	PF,PS,BSNUC,AGC1656,R=F
MAC 1254+2805B		Galaxy
May 17 2009 31"	17mmT4	VF,PS,PATCH,NND,AGC1656,R=P
MAC 1254+2818		Galaxy
May 17 2009 31"	17mmT4	PF,PS,OVAL,UB,NND,KEEP B* OUT OF FOV,AGC1656,R=P
MAC 1254+2855		Galaxy
May 17 2009 31"	17mmT4	EF,VS,PATCH,SUSP,COMP=4793,AGC1656,R=P
MAC 1255+2732		Galaxy
May 17 2009 31"	17mmT4	PF,PS,PATCH,NND,AGC1656,R=P

Coma Berenices - Berenice's Hair

MAC 1255+2736 **Galaxy**
 May 17 2009 31" 17mmT4 VF,PS,PATCH,NND,AV TOOK A WHILE,HOLDS,AGC1656,R=P

MAC 1255+2736A **Galaxy**
 May 18 2009 31" 17mmT4 VF,PS,PATCH,NND,AV FIRST THEN HOLDS,AGC 1656,R=P

MAC 1255+2742 **Galaxy**
 May 17 2009 31" 17mmT4 EF,PS,PATCH,NND,AV TOOK A WHILE,AGC1656,R=P

MAC 1255+2746 **Galaxy**
 May 17 2009 31" 17mmT4 EF,VS,PATCH,AV TOOK A WHILE,AGC1656,R=P

MAC 1255+2747 **Galaxy**
 May 17 2009 31" 17mmT4 VF,PS,PATCH,NND,CLOSE TO B*,AGC1656,R=P

MAC 1255+2748 **Galaxy**
 May 17 2009 31" 17mmT4 EF,VS,PATCH,KEEP * OUT OF FOV,AV COMES AND GOES,AGC1656,R=P

MAC 1255+2751 **Galaxy**
 May 17 2009 31" 17mmT4 VF,PS,UB,NND,KEEP * OUT OF FOV,AGC1656,R=P
 May 17 2009 31" 17mmT4 PF,PS,PATCH,UB,NND,AGC1656,R=P

MAC 1255+2754A **Galaxy**
 May 17 2009 31" 17mmT4 PF,PS,OVAL,FLNUC,AGC1656,R=F

MAC 1255+2754B **Galaxy**
 May 17 2009 31" 17mmT4 VF,PS,PATCH,UB,NND,AGC1656,R=P

MAC 1255+2756 **Galaxy**
 May 18 2009 31" 17mmT4 VF,PS,PATCH,NND,AGC 1656,R=P
 May 17 2009 31" 17mmT4 VF,PS,OVAL,UB,NND,VF* OFF SIDE,AGC1656,R=P

MAC 1255+2815 **Galaxy**
 May 18 2009 31" 17mmT4 PF,PS,PATCH,UB,NND,AGC 1656,R=P

MAC 1255+2824 **Galaxy**
 May 18 2009 31" 17mmT4 EF,VS,PATCH,AV COMES AND GOES,AGC 1656,R=P

MAC 1255+2900 **Galaxy**
 May 18 2009 31" 17mmT4 PF,PS,PATCH,NND,AV FIRST THEN HOLDS,AGC 1656,R=P

MAC 1256+2624 **Galaxy**
 May 19 2009 31" 17mmT4 VF,PS,PACH,UB,NND,AGC 1656,R=P

MAC 1256+2625 **Galaxy**
 May 19 2009 31" 17mmT4 EF,VS,PATCH,AV COMES AND GOES,AGC 1656,R=P

Coma Berenices - Berenice's Hair

MAC 1256+2627		Galaxy
May 18 2009 31"	17mmT4	EF,VS,PATCH,AV ONLY A FEW TIMES,AGC 1656,R=P
MAC 1256+2703		Galaxy
May 19 2009 31"	17mmT4	PF,PS,OVAL,FSNUC,AGC 1656,R=F
MAC 1256+2713		Galaxy
May 19 2009 31"	17mmT4	PF,PS,PATCH,UB,NND,AGC 1656,R=P
MAC 1256+2717		Galaxy
May 19 2009 31"	12mmT4	EF,VS,PATCH,TOOK A WHILE WITH AV,COMES AND GOES,AGC 1656,R=P
MAC 1256+2725		Galaxy
May 18 2009 31"	17mmT4	MF,MS,FLNUC,AGC 1656,R=F
MAC 1256+2726		Galaxy
May 18 2009 31"	17mmT4	PF,PS,NND,AGC 1656,R=F
MAC 1256+2730		Galaxy
May 18 2009 31"	17mmT4	VF,PS,PATCH,NND,AV TOOK A WHILE,AGC 1656,R=P
MAC 1256+2732		Galaxy
May 18 2009 31"	17mmT4	EF,VS,PATCH,AV COMES AND GOES THEN HOLDS,AGC 1656,R=P
MAC 1256+2738		Galaxy
May 18 2009 31"	17mmT4	MF,MS,R,FSNUC,VF* OFF SIDE,AGC 1656,R=F
MAC 1256+2741		Galaxy
May 18 2009 31"	17mmT4	VF,PS,PATCH,AGC 1656,R=P
MAC 1256+2742		Galaxy
May 18 2009 31"	17mmT4	EF,PS,PATCH,AV COMES AND GOES,AGC 1656,R=P
MAC 1256+2743		Galaxy
May 18 2009 31"	17mmT4	PF,PS,PATCH,FSNUC,AGC 1656,R=P
MAC 1256+2749		Galaxy
May 18 2009 31"	17mmT4	MF,MS,OVAL,FSNUC,AGC 1656,R=F
MAC 1256+2750		Galaxy
May 18 2009 31"	17mmT4	MF,MS,OVAL,FSNUC,AGC 1656,R=F
May 17 2009 31"	17mmT4	PF,PS,PATCH,UB,NND,AGC1656,R=F
MAC 1256+2755		Galaxy
May 19 2009 31"	17mmT4	PF,PS,R,BSNUC,AGC 1656,R=F
MAC 1256+2757		Galaxy

Coma Berenices - Berenice's Hair

MAC 1256+2757		Galaxy
May 17 2009 31"	17mmT4	VF,PS,PATCH,UB,NND,AGC1656,R=P
MAC 1256+2802		Galaxy
May 18 2009 31"	17mmT4	VF,PS,PATCH,AV COMES AND GOES THEN HOLDS,LOC IN BARRON FOV,AGC 1656,R=P
MAC 1256+2803		Galaxy
May 19 2009 31"	17mmT4	VF,PS,PATCH,NND,AGC 1656,R=P
MAC 1256+2804		Galaxy
May 19 2009 31"	17mmT4	PF,PS,PATCH,NND,AGC 1656,R=P
MAC 1256+2806		Galaxy
May 19 2009 31"	17mmT4	EF,VS,PATCH,TOOK A WHILE WITH AV,COMES AND GOES,AGC 1656,R=P
MAC 1256+2809		Galaxy
May 19 2009 31"	17mmT4	PF,VS,PATCH,NND,AGC 1656,R=P
MAC 1256+2818		Galaxy
May 18 2009 31"	17mmT4	PF,PS,PATCH,NND,AGC 1656,R=P
MAC 1256+2837		Galaxy
May 19 2009 31"	17mmT4	PF,PS,OVAL,FNUC,AGC 1656,R=F
MAC 1256+2838		Galaxy
May 19 2009 31"	17mmT4	EF,VS,PATCH,COMES AND GOES WITH AV,AGC 1656,R=P
MAC 1256+2857		Galaxy
May 19 2009 31"	17mmT4	VF,PS,PATCH,NND,AV,AGC 1656,R=P
MAC 1256+2917		Galaxy
May 19 2009 31"	17mmT4	PF,PS,PATCH,UB,NND,AGC 1656,R=F
MAC 1257+2722A		Galaxy
May 19 2009 31"	17mmT4	VF,PS,OVAL,NND,AGC 1656,R=P
MAC 1257+2724A		Galaxy
May 19 2009 31"	17mmT4	VF,PS,OVAL,FSNUC,AGC 1656,R=P
MAC 1257+2731		Galaxy
May 19 2009 31"	17mmT4	EF,PS,PATCH,TOOK A WHILE FOR AV,COMES AND GOES,BARRON AREA,AGC 1656,R=P
MAC 1257+2733		Galaxy
May 19 2009 31"	17mmT4	EF,ES,PATCH,SUSP,AGC 1656,R=P
MAC 1257+2858		Galaxy
May 19 2009 31"	17mmT4	PF,PS,PATCH,UB,VFSNUC,AGC 1656,R=P

Coma Berenices - Berenice's Hair

MAC 1259+2751B		Galaxy	
May 14 2009 31"	17mmT4	EF,VS,PATCH,AV FEW TIMES THEN COMES AND GOES,AGC 1656,R=P	
MAC 1259+2751D		Galaxy	
May 14 2009 31"	17mmT4	VF,VS,PATCH,FSNUC,AGC 1656,R=F	
MAC 1259+2758B		Galaxy	
May 14 2009 31"	17mmT4	EF,VS,PATCH,AV ONLY ONCE,AGC 1656,R=P	
MAC 1301+2736B		Galaxy	
Apr 07 2008 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=4926/4926A/MAC,R=P	
MAC 1302+2739		Galaxy	
Apr 07 2008 31"	17mmT4	EF,VS,PATCH,UB,NND,AV HOLDS,PAIRS=4926/4926A/MAC,R=P	
MAC 1303+2810C		Galaxy	
Apr 07 2008 31"	17mmT4	EF,ES,*NUC,ALM *,PAIRS=4944/MAC'S/PGC45162,R=P	
MAC 1303+2811		Galaxy	
Apr 07 2008 31"	17mmT4	DIF,VF,VS,PATCH,UB,NND,PAIRS=4944/PGC/MAC'S,R=P	
MAC 1304+2811		Galaxy	
Apr 07 2008 31"	17mmT4	VF,VS,OVAL,VFSNUC,PAIRS=4944/PGC45162/MAC'S,R=P	
MAC 1314+2604		Galaxy	
Mar 17 2010 31"	17mmT4	VF,VS,PATCH,AV FIRST THEN HOLDS,PAIRS=MAC'S,R=P	
MAC 1314+2605		Galaxy	
Mar 17 2010 31"	17mmT4	VF,VS,AV FIFRST THEN HOLDS,DIRECT AFTER A WHILE,PAIRS=MAC'S/PGC'S,R=P	
Mar 20 2009 31"	17mmT4	VF,VS,PATCH,TOOK AV A WHILE TO FIND,PAIRS=PGC'S,R=P	
MAC 1314+2606		Galaxy	
Mar 17 2010 31"	17mmT4	EF,VS,PATCH,AV FIRST THEN HOLDS,PAIRS=MAC'S,R=P	
MAC 1314+2606A		Galaxy	
Mar 17 2010 31"	17mmT4	VF,VS,PATCH,NND,VF* OFF EDGE,PAIRS=MAC'S,R=P	
MAC 1314+2606B		Galaxy	
Mar 17 2010 31"	17mmT4	VF,VS,PATCH,AV FIRST THEN HOLDS,PAIRS=MAC'S,R=P	
NGC 4014	H3-3	Galaxy S0/a	PB,PS,R,PSBM
Mar 25 2020 36"	17mmT4	MB,ML,EL-OVAL,BLNUC,R=FG	
NGC 4015		Galaxy Double System	F,VS,E,MBM
Mar 17 2009 31"	17mmT4	VB,VL,R,BLNUC,INTRACT=PGC37702,SBM,MHISB CNTR,R=G	
Dec 28 2008 31"	17mmT4	MB,MS,R,BLNUC,MHISB CNTR,BM,R=G	

Coma Berenices - Berenice's Hair

NGC 4016		Galaxy SBdm:	VF
Dec 28 2008 31"	17mmT4	MB,ML,OVAL,PATCH,UB,NND,MHISB,PAIR=4017,R=G	
NGC 4017		H369-2 Galaxy SABbc	F,L,E,GBFM
Feb 21 2020 36"	17mmT4	MB,PL,EL,PATCH,UB,NND,R=G,TIME 1:13AM	
Dec 28 2008 31"	17mmT4	PB,PL,EL-OVAL,UB,NND,PATCHY,PAIR=4016,R=G	
NGC 4032		H404-2 Galaxy Im:	PF,PL,R,GBM,*12NF
Feb 27 1982 12.5"	16mm	VDIF,MF,MS,OVAL-PATCHY,SBM,F*W OF GLXY	
NGC 4037		H77-3 Galaxy SB(rs)b:	EF,PL,R,R
Mar 25 2020 36"	17mmT4	DIF,MF,VL,PATCH,NND,PATCHY,R=F	
NGC 4042		Galaxy	VF,VS
Aug 25 1982 12.5"	16mm	VDIF,MF,MS,FNUC,2F*S E,1*N A ND W,OVAL-R,SBM	
NGC 4049		H390-3 Galaxy I?	EF,PS,R,GLBM
Mar 25 2020 36"	17mmT4	MF,PL,OVAL,UB,NND,SHISB,R=FG	
NGC 4056		Galaxy	EF,VS
Mar 08 2010 31"	17mmT4	VF,VS,PATCH,NND,AV FIRST THEN HOLDS,PAIRS=NGC'S/MAC,R=P	
NGC 4057		Galaxy	PB
Mar 25 2020 36"	17mmT4	PF,MS,PATCH,UB,NND,PAIRS=N4090/N4086,R=PF	
NGC 4060		Galaxy S0	EF
Mar 08 2010 31"	17mmT4	PF,PSOVAL,FLNUC,PAIRS=NGC'S/MAC,R=F	
NGC 4061		H394-3 Galaxy E	VF,S,R,P OF DNEB
Mar 08 2010 31"	17mmT4	MB,ML,OVAL-R,BSNUC,GMBM,HISB CNTR,PAIRS=NGC'S/PGC/MAC,R=G	
NGC 4064		Galaxy SB(s)a: pec	B,E,GBM
Feb 27 1982 12.5"	16mm	MF,MS,EL,F*S,F* FARTHER N,MHISB,EQ RGN SUSP	
NGC 4065		H395-3 Galaxy E	PF,R,F OF DNEB
Mar 08 2010 31"	17mmT4	MB,ML,OVAL-R,BSNUC,GMBM,HISB CNTR,PAIRS=NGC'S/PGC/MAC,R=G	
NGC 4066		H392-3 Galaxy E	PB
Mar 08 2010 31"	17mmT4	PB,ML,OVAL,BSNUC,GMBM,HISB CNTR,PAIRS=NGC'S/MAC,R=G	
NGC 4069		Galaxy	VF,VS
Mar 08 2010 31"	17mmT4	VF,VS,OVAL,VF* IN GLXY,PAIRS=NGC'S,MAC,R=P	
NGC 4070		H391-3 Galaxy E	F,VS
Mar 08 2010 31"	17mmT4	PB,ML,OVAL,BSNUC,GMBM CNTR,PAIRS=NGC'S/MAC,R=G	
NGC 4072		Galaxy S0	EF,SF4061,2,5

Coma Berenices - Berenice's Hair

NGC 4072		Galaxy S0	EF,SF4061,2,5
Mar 08 2010 31"	17mmT4	PF,MS,EL,VFSNUC,PAIRS=NGC'S/PGC/MAC,R=F	
NGC 4074		H393-3 Galaxy S0: pec	EF,VS
Mar 08 2010 31"	17mmT4	MB,MS,R,BSNUC,PAIRS=NGC'S/MAC,R=F	
NGC 4076		H396-3 Galaxy S?	VF,VS
Mar 08 2010 31"	17mmT4	MB,ML,OVAL,FLNUC,SMWHT BM,SLT HISB CNTR,PAIR=MAC,R=F	
NGC 4080		H355-3 Galaxy Im?	CF,PS,E,GBM
Feb 21 2020 36"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,R=F,TIME 1:17AM	
NGC 4086		Galaxy S0	F,PS,R
Mar 25 2020 36"	17mmT4	MB,ML,OVAL,BNUC,MHISB,MBM,PAIRS-N4090/N4057,R=G	
NGC 4089		Galaxy E?	VF,S,R,P OF 2
Mar 25 2020 36"	17mmT4	MB,ML,R,BLNUC,MHISB,PAIRS-5 NGC'S,BEST FOV TO DATE,R=G	
NGC 4090		Galaxy Sab	VF,VS,*15F1'
Mar 25 2020 36"	17mmT4	MB,ML,EL-OVAL,BLNUC,MHISB,PAIRS=N4086/N4057,R=G	
NGC 4091		Galaxy S	VF,S,R,F OF 2
Mar 25 2020 36"	17mmT4	MB,ML,EL,NND,SHISB,PAIRS-5 NGC'S,BEST FOV TO DATE,R=G	
NGC 4092		H382-3 Galaxy S?	F,PS,R,*11NP
Mar 25 2020 36"	17mmT4	MB,ML,OVAL,NND,MHISB,PAIRS-5 NGC'S,BEST FOV TO DATE,R=G	
NGC 4093		Galaxy E?	EF,VS
Mar 25 2020 36"	17mmT4	MF,ML,R,FLNUC,SHISB,PAIRS-5 NGC'S,BEST FOV TO DATE,R=FG	
NGC 4095		H383-3 Galaxy E?	VF,VS
Mar 25 2020 36"	17mmT4	MB,ML,EL-OVAL,BLNUC,SHISB,BM,MHISB MID,PAIRS-5 NGC'S,BEST FOV TO DATE,R=G	
NGC 4098		H384-3 Galaxy S?	EF,ES,R,BM
Apr 02 2021 36"	17mmT4	MB,MS,OVAL,BSNUC,MHISB CNTR,MANY OTHERS PRESENT,R=FG	
Mar 25 2020 36"	17mmT4	MB,ML,OVAL,BLNUC,HISB,GMBM,MHISB HALO,PAIRS-5 NGC'S,BEST FOV TO DATE,R=G	
NGC 4101		H326-3 Galaxy S0/a	EF,VS,R,VGBM
Mar 25 2020 36"	17mmT4	MB,MS,OVAL,BNUC,VMBM,HISB CNTR,R=G	
NGC 4104		H370-2 Galaxy S0	PB,PS,LE,BM
Feb 21 2020 36"	17mmT4	MB,ML,OVAL,FLNUC,PAIR=PGC38387,R=F,TIME 1:21AM	
NGC 4126		H68-3 Galaxy S0	VF,S,R,PSLBM,BET2VS*
Mar 25 2020 36"	17mmT4	MB,MS,OVAL,BLNUC,GMBM,HISB CNTR,R=G	
NGC 4131		H356-3 Galaxy S	CF,S,R,1ST OF 3

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NGC 4131 Feb 21 2020 36" 17mmT4	H356-3 MB,MS,BSNUC,PAIRS=N4132/N4134,R=F,TIME 1:28AM	Galaxy S	CF,S,R,1ST OF 3
NGC 4132 Feb 21 2020 36" 17mmT4	H357-3 MB,MS,OVAL,UB,NND,PAIRS=N4131/N4134,R=F,TIME 1:28AM	Galaxy S	CF,S,IR,2ND OF 3
NGC 4134 Feb 21 2020 36" 17mmT4	H371-2 MF,ML,OVAL,UB,NND,PAIRS=N4132/4131,R=F,TIME 1:28AM	Galaxy Sb	PF,PL,LE,3RD OF 3
NGC 4136 Feb 27 1982 12.5" 16mm Jan 26 1982 12.5" 16mm	H321-2 DIF,MF,PL,PATCHY,FACE ON,ARMS SUSP,UB,OVAL MB,ML,FNUC,CLOSE TO B*,*NUC,HISB,OVAL	Galaxy SAB(r)c	F,VL,VGMBM
NGC 4146 Mar 25 2020 36" 17mmT4	H327-3 VB,ML,OVAL-R,VBLNUC,HISB,GRAINY HALO,R=G	Galaxy (R)SAB(s)ab:	VF,PS
NGC 4147 Mar 08 2010 31" 17mmT4 Feb 12 1983 12.5" 12mm Jun 10 1980 6" 24mm	H19-1 PB,ML,CLASS -VI,RSLV TO CORE,BSNUC,MHISB CNTR,F HALO OF *S RSLV,R=G MB,PL,RSLV TO CORE,OUTER *S CLOSELY GRP,BM VF,LOOKS LIKE FT GLXY	Globular VI	GCL,VB,PL,R,GBM,RRR
NGC 4150 Feb 27 1982 12.5" 16mm	H73-1 MF,MS,BNUC,GMBM,R	Galaxy SA(r)0[^]?	B,S,R,PGMBM
NGC 4152 Feb 27 1982 12.5" 16mm	H83-2 VDIF,VF,VS,PATCHY,OVAL,SBM	Galaxy SAB(rs)c	PB,PL,R,PGMBM,R
NGC 4155 Feb 27 1982 12.5" 16mm	Galaxy E EDIF,EF,ES,S PATCH,*NUC SUSP	Galaxy E	EF,VS
NGC 4158 Feb 27 1982 12.5" 16mm	H405-2 MF,PS,BNUC,HISB,GMBM,*W 1 GLXY DIA	Galaxy SA(r)b:	F,PS,LE,BM,PB*SF
NGC 4162 Feb 27 1982 12.5" 16mm	H353-2 DIF,MF,PS,B*S,F*N,MHISB,NNS,R	Galaxy (R)SA(rs)bc	B,L,IE,BM
NGC 4166 Feb 27 1982 12.5" 16mm	Galaxy SB0 MF,PS,FNUC,R,F*N,SBM	Galaxy SB0	VF,S
NGC 4169 Feb 21 2020 36" 17mmT4 May 30 2014 36" 17mmT4 Mar 17 2009 31" 17mmT4 Feb 27 1982 12.5" 16mm	H358-3 MB,MS,BLNUC,CL OF 4,R=FG,TIME 1:35AM PB,ML,OVAL,BLNUC,GMBM,GRAN CORE,PAIRS=4171,4175,4174,R=GE VB,VL,OVAL,BLNUC,HISB CNTR,OTHERS PRESENT,E GRP,R=E PF,VS,BNUC,F*S 1 GLXY DIA,SBM,R,CLOSE PAIR/4170/4175 IN TRI SHAPE	Galaxy S0	F,S,1ST OF 4
NGC 4173 Feb 21 2020 36" 17mmT4	H372-2 MF,PL,EDGE ON,UB,NND,CL OF 4,R=FG,TIME 1:35AM	Galaxy SBd:	F,S,2ND OF 4

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NGC 4173		H372-2	Galaxy SBd:	F,S,2ND OF 4
May 30 2014 36"	17mmT4	MF,VL,EDGE ON,UB,NND,PA~130,LONG THIN WISP,BKN,CHUNKY,PAIRS=4175,4174,4169,R=G		
Mar 17 2009 31"	17mmT4	MF,VL,EDGE ON,UB,NND,SLT TAPERED AT ENDS,OTHERS,E GRP,R=G		
Feb 27 1982 12.5"	16mm	EDIF,VF,VS,EL,PAIR/4175/4169,NND,UB,COMP FORM TRI		
NGC 4174		H359-3	Galaxy S?	F,S,3RD OF 4
Feb 21 2020 36"	17mmT4	MB,PS,BSNUC,CL OF 4,R=FG,TIME 1:35AM		
May 30 2014 36"	17mmT4	PB,PL,OVAL,BSNUC,PAIRS=4171,4175,4169,R=G		
Mar 17 2009 31"	17mmT4	PB,PL,EL,BNUC,TIGHT NUC RGN,OTHERS PRESENT,E GRP,R=G		
NGC 4175		H360-3	Galaxy S	F,ES,4TH OF 4
Feb 21 2020 36"	17mmT4	MB,ML,EDGE ON,BSNUC,CL OF 4,R=G,TIME 1:35AM		
May 30 2014 36"	17mmT4	MB,PL,EDGE ON,FSNUC,SMWHT SLT CNTR BULGE,PAIRS=4171,4174,4169,R=G		
Mar 17 2009 31"	17mmT4	MB,ML,EDGE ON,FLNUC,CNTR BULGE,OTHERS,E GRP,R=G		
Feb 27 1982 12.5"	16mm	VF,VS,EL,FNUC,F*S,UB,SBM,COMP FORM TRI		
NGC 4185		H373-2	Galaxy Sbc	CF,L,R,GBM
Feb 21 2020 36"	17mmT4	MB,PL,OVAL,PATCH,UB,NND,F* OFF EDGE,R=F,TIME 1:41AM		
Feb 21 2020 36"	17mmT4	PF,PL,OBAL,PATCH,UB,NND,R=F,TIME 1:38AM		
Feb 27 1982 12.5"	16mm	VDIF,VF,ML,F*SW EDGE,NND,UB,R,FACE ON		
NGC 4186			Galaxy SA(s)ab:	PF,S,R,SP M98
Apr 11 2015 36"	17mmT4	MB,MS,OVAL,VS*NUC,*NUC,R=FG		
Mar 08 2010 31"	17mmT4	MF,MS,OVAL,VFLNUC,R=F		
NGC 4189		H106-2	Galaxy SAB(rs)cd?	F,L,LE,VGLBM,R
Feb 22 2020 36"	17mmT4	MB,VL,OVAL,FSNUC,SPR STR SUSP,PATCHY,R=GE		
Apr 25 1981 12.5"	24mm	PB,PS,DNUC,2F*S TO W		
NGC 4192	M98		Galaxy SAB(s)ab	B,VL,VME152,VSVMBM
Apr 11 2015 36"	17mmT4	VF,VL,EL,BSNUC,MHISB,WELL PLACED,DUST AREAS SUSP,BKN ARMS,R=E		
Mar 08 2010 31"	17mmT4	VB,VL,EL EDGE ON,BSNUC,EDGE TO EDGE IN FOV,S B TIGHT CORE,SUDLY MBM,PATCHY AREAS IN ARMS,R=E		
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984 10"	20mm	SAME		
Feb 27 1982 12.5"	16mm	MB,PL,EDGE ON,BNUC,F*N OF NUC,CNTR BULGE,TAPERED ENDS,BH2 RGN IN EQ		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
Jun 10 1980 6"	24mm			
NGC 4196		H374-2	Galaxy S0?	PB,S,R,VSMBM*
Feb 21 2020 36"	17mmT4	MF,PS,OVAL,BSNUC,R=F,TIME 1:42AM		
Feb 27 1982 12.5"	16mm	EDIF,VF,ML,F*W SIDE,OVAL,NND		
NGC 4203		H175-1	Galaxy SAB0-:	VB,S,R,PSMBM
Feb 27 1982 12.5"	16mm	MB,PS,BNUC,R,GBM		
NGC 4204		H397-3	Galaxy SB(s)dm	VF,CL,IR,VGBM

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NGC 4204		H397-3	Galaxy SB(s)dm	VF,CL,IR,VGBM
Mar 05 2021 36"	17mmT4	MF,ML,EDGE ON,UB,NND,VF* OFF EDGE,R=FG		
NGC 4211			Galaxy S0/a pec	VF,ES,MBM
Apr 07 2008 31"	17mmT4	MF,MS,OVAL,FLNUC,CLOSE COMP=4211A,R=F		
NGC 4211A			Galaxy S0/a pec	
Apr 07 2008 31"	17mmT4	PF,PS,EL,UB,NND,CLOSE COMP=4211,R=F		
NGC 4212		H108-2	Galaxy SAc:	B,L,E107,G,SBM,R
Feb 27 1982 12.5"	16mm	DIF,MF,PL,B*S,PATCH-OVAL,NND,UB		
NGC 4213		H354-2	Galaxy E	CF,VS,R
Feb 27 1982 12.5"	16mm	VDIF,VF,ES,FNUC,*NUC,B* IN FIELD		
NGC 4222		H109-2	Galaxy Sd: sp	VF,PS,R
Mar 08 2010 31"	17mmT4	MF,ML,EDGE ON,UB,NND,TAPERED ENDS,R=FG		
NGC 4237		H11-2	Galaxy SAB(rs)bc	PB,PL,LE,VGBM,R
Mar 22 2004 12.5"	12mmT4	MF,PL,OVAL,FLNUC,SHISB,LOC IN BARRON FOV,R=G		
NGC 4239			Galaxy E	F,PL,R
Feb 27 1982 12.5"	16mm	DIF,MF,PS,FNUC,BET B*S,SBM		
NGC 4245		H74-1	Galaxy SB(r)0/a:	CB,PL,VLE,SMBM,R
Feb 27 1982 12.5"	16mm	MB,ML,BNUC,R,SNUC		
NGC 4251		H89-1	Galaxy SB0? sp	VB,S,E,VSVMBMN,*F90S
Feb 21 2020 36"	17mmT4	PB,ML,EL,BLNUC,GRAN HALO,GMBM,HISB NUC,R=G,TIME 1:50AM		
Feb 27 1982 12.5"	16mm	EL,BNUC,GMBM		
NGC 4253		H702-3	Galaxy (R')SB(s)a:	VF,VS,R
Mar 07 2021 36"	17mmT4	PB,MS,OVAL,BSNUC,SBM,HISB CNTR,R=FG		
NGC 4254	M99		Galaxy SA(s)c	B,L,R,GBM,R,3BRSPIRA
Apr 11 2015 36"	17mmT4	VB,VL,R,HALO W/SPR ARMS,BAR LIKE NUC,NUC EL IN SHAPE,2 ARMS EASILY DET,R=E		
Mar 08 2010 31"	17mmT4	PB,PL,BSNUC,FACE ON,GRADUALLY BM,SPR ARMS,SPR STR,PATCHY AREAS IN ARMS,PAIR=MAC,R=E		
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984 10"	20mm	MB,ML,EL,PATCHY,SBM,MHISB		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
Jun 10 1980 6"	24mm			
NGC 4262		H110-2	Galaxy SB(s)0-?	B,S,R,R
Mar 07 2021 36"	17mmT4	VB,MS,OVAL-R,VBSNUC,HISB,GRAN HALO,DBL NUC,HISB CNTR,L B CNTR RGN,R=G		
NGC 4272		H299-3	Galaxy E	CF,S,IR,GMBM

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NGC 4272		H299-3	Galaxy E	CF,S,IR,GMBM
Mar 07 2021 36"	17mmT4	MB,MS,R,BSNUC,MHISB,HISB CNTR,GRAN,R=G		
NGC 4274		H75-1	Galaxy (R)SB(r)ab	VB,VL,E90,MBMN
Feb 12 1983 12.5"	24mm	MB,PL,EL,BNUC,TAPERED ENDS,PAIR/4278/4283		
Feb 27 1982 12.5"	16mm	MB,VL,EL,BNUC,F HALO,SNUC,DIF HALO SUR NUC		
NGC 4275		H376-2	Galaxy S?	F,S,VLE,GBM,*15NR
Feb 21 2020 36"	17mmT4	MB,MS,OVAL,UB,NND,MHISB,R=G,TIME 1:53AM		
NGC 4278		H90-1	Galaxy E1-2	VB,PL,R,MBM,R,1STOF3
Mar 07 2021 36"	17mmT4	VB,PL,R,BLNUC,HISB,V GRAN,GLOB CL LIKE,PAIRS=N4283/N4286,R=E		
Feb 21 2020 36"	17mmT4	VB,VL,OVAL,BLNUC,HISB,PAIR=N4283,R=G,TIME 1:58AM		
Feb 12 1983 12.5"	16mm	MB,ML,BNUC,R,VMBM,COMP TO E = 4283		
NGC 4283		H323-2	Galaxy E0	B,S,R,BM,2ND OF 3
Mar 07 2021 36"	17mmT4	PB,ML,R,BLNUC,MHISB,GRAN,S VERSION OF N4278,PAIRS=N4287/N4286,R=G		
Feb 21 2020 36"	17mmT4	PB,PL,OVAL,BNUC,HISB,PAIR=N4278,TIME 1:58AM		
Feb 12 1983 12.5"	16mm	VDIF,VF,VS,R,NND,UB,COMP TO W = 4278		
NGC 4286		H300-3	Galaxy SA(r)0/a:	VF,3RD OF 3
Mar 07 2021 36"	17mmT4	PF,ML,PATCH,UB,NND,2F*S OUTER EDGE,PAIRS=N4283/N4278,R=F		
NGC 4293		H5-5	Galaxy (R)SB(s)0/a	F,VL,E,LBM,R
Mar 08 2010 31"	17mmT4	MB,PL,ELOIG,EDGE ON,FLNUC,SOME GRAN AREAS DET,R=G		
Feb 12 1983 12.5"	16mm	DIF,PF,ML,F*E TIP,NND,KNTS SUSP,UB,SVRL *S OFF ONE SIDE		
Jun 10 1980 6"	24mm			
NGC 4298		H111-2	Galaxy SA(rs)c	F,L,E,VGBM,P OF 2
Apr 26 2003 12.5"	9mmT6	VB,VL,R,UB,NND,MHISB,B* ON EDGE,PAIR=4302,R=E		
NGC 4302		H112-2	Galaxy Sc	L,VME177,F OF 2
Apr 26 2003 12.5"	9mmT6	PB,PL,EDGE ON,PATCH,UB,NND,SHISB,PAIR=4298,R=E		
NGC 4310		H378-2	Galaxy SB0	F,CL,LE,N OF 2
Feb 21 2020 36"	17mmT4	MF,PL,OVAL,PATCH,UB,NND,R=F,TIME 2:02AM		
Apr 26 2003 12.5"	9mmT6	MB,ML,OVAL,PATCH,UB,SHISB,R=G		
NGC 4312		H628-2	Galaxy SA(rs)ab: sp	PB,CL,E,GBM
Apr 26 2003 12.5"	9mmT6	MB,PL,EDGE ON,UB,SHISB,CNTR PART OF GLXY HISB,TIPS FTR,R=G		
NGC 4314		H76-1	Galaxy SB(rs)a	CB,L,E150,SBM,*NP
Feb 12 1983 12.5"	24mm	PB,ML,EDGE ON,BNUC,F*N TIP,BM,TAPERED		
NGC 4321	M100		Galaxy SAB(s)bc	PF,VL,R,VG,PSBMRN
Apr 11 2015 36"	17mmT4	EB,EL,R,MHISB NUC,NUC LOOKS LIKE B BLUEISH PL WELL DEF,FARMS EASILY DET,SVRL *S IN ARMS,F HALO SUR NUC,FACE ON,R=E		

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NGC 4321	M100	Galaxy SAB(s)bc	PF,VL,R,VG,PSBMRN
Mar 08 2010 31"	17mmT4	VG,VL,OVAL,SPR STR,DUST,PATCHY H2 RGN,FACE ON,VR NUC,UB NUC,MHISB NUC,NUC WELL DEF,MANY F*'S IN ARMS,PAIR=4323,R=E	
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 02 1984 10"	20mm	MB,VL,BNUC,FACE ON,R-OVAL,BSNUC,F*NW OUTER EDGE	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jun 10 1980 6"	24mm		
NGC 4323		Galaxy SB(r)0⁺:	2VF,N OF M100
Mar 08 2010 31"	17mmT4	DIF,VF,PS,PATCH,UB,NND,PAIR=4321,R=P	
NGC 4328		H84-2 Galaxy SA0-:	F,S,R,R
Mar 08 2010 31"	17mmT4	PF,PS,OVAL,UB,NND,R=F	
NGC 4336		H406-2 Galaxy SB0/a	VF,PL,IR,(BIN)
Apr 26 2003 12.5"	9mmT6	VB,PL,OVAL,UB,VHISB,R=E	
NGC 4338		Galaxy Sd	VF,LE,COM
May 30 2014 36"	17mmT4	VF,MS,EDGE ON,NND,PA-0 OR 180,R=P	
NGC 4340		H85-2 Galaxy SB(r)0⁺	PB,S,R,PSBM
Feb 12 1983 12.5"	24mm	MB,PS,DNUC,SBM,OVAL,PAIR/4350	
NGC 4344		H31-3 Galaxy SB0?	VF,PS,R,VGLBM,TRI2*
Mar 07 2021 36"	17mmT4	MB,ML,PATCH,UB,NND,MHISB,R=G	
NGC 4350		H86-2 Galaxy SA0 sp	CB,VS,ME,VSBM
Feb 12 1983 12.5"	24mm	MB,PS,BNUC,SBM,OVAL,CLOSE PAIR/4340	
Mar 27 1981 12.5"	24mm		
NGC 4359		H648-3 Galaxy SB(rs)c? sp	CF,PME90,VLBM
Mar 22 2004 12.5"	12mmT4	PF,ML,EL,BSNUC,SHISB,HISB CNTR,GMBM,R=E	
NGC 4375		H379-2 Galaxy SB(r)ab pec:	F,S,R,BM,*NF90"
Feb 21 2020 36"	17mmT4	MV,MS,PATCH,UB,NND,R=F,TIME 2:04AM	
NGC 4377		H12-1 Galaxy SA0-	B,S,R,SMBM
Mar 07 2021 36"	17mmT4	PB,ML,OVAL-R,BLNUC,HISB,VF* OFF NUC IN GLXY,V GRAN,MHISB HALO,R=G	
NGC 4379		H87-2 Galaxy S0- pec:	PS,R,PSBMN
Mar 22 2004 12.5"	12mmT4	PF,MS,R,BLNUC,SHISB,HISB CNTR,GMBM,R=G	
NGC 4382	M85	Galaxy SA(s)0⁺ pec	VB,PL,R,BM,*NP
Apr 11 2015 36"	17mmT4	EB,VL,OVAL,GMBM,HISB CNTR,MSNUC,F OBLONG HALO SUR NUC,* OFF NUC,R=G	
Mar 08 2010 31"	17mmT4	VB,VL,OVAL,BSNUC,GMBM,HISB CNTR,GRAN HALO,PAIR=4394,R=G	
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 02 1984 10"	20mm	SAME	

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NGC 4382	M85	Galaxy SA(s)0+ pec	VB,PL,R,BM,*NP
Feb 12 1983 12.5"	16mm	VB,ML,BNUC,F* IN N SIDE,R,BM,PAIR/4394	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jun 10 1980 6"	24mm		
NGC 4393		H361-3 Galaxy SABd	VF,VL,IF,B*P
Feb 21 2020 36"	17mmT4	VF,PL,PATCH,UB,NND,R=P,TIME 2:06AM	
NGC 4394		H55-2 Galaxy (R)SB(r)b	PB,LE,BM
Mar 08 2010 31"	17mmT4	MB,MS,EL,BLNUC,MHISB CNTR,GMB,PAIR=4382,R=G	
Feb 12 1983 12.5"	16mm	MF,MS,DNUC,R,SBM,PAIR/4382	
Mar 27 1981 12.5"	24mm		
NGC 4405		H88-2 Galaxy SA(rs)0/a:	PF,S,R,VSBM,R
Mar 07 2021 36"	17mmT4	MB,ML,OVAL,UB,NND,MHISB,R=G	
NGC 4414		H77-1 Galaxy SA(rs)c?	VB,L,E,G,VSMBM*
Feb 12 1983 12.5"	16mm	VB,ML,BNUC,BM,DIF HALO,SLT ELNO **S ON EDGE LIKE PHOTO	
NGC 4419		H113-2 Galaxy SB(s)a sp	B,PME135,SBM
Feb 12 1983 12.5"	16mm	MB,PS,EDGE ON,FNUC,SBM,TAPERED	
Mar 27 1981 12.5"	24mm		
NGC 4421		H89-2 Galaxy SB(s)0/a	PB,PL,PGBM,B*NP
Mar 07 2021 36"	17mmT4	PB,ML,EL,BLNUC,GRAN SHISB HALO,VMBM,HISB CNTR,R=G	
NGC 4448		H91-1 Galaxy SB(r)ab	B,L,E90,SBM
Feb 21 2020 36"	17mmT4	VB,VL,EL-OVAL,LNUC,MHISB,R=G,TIME 2:10AM	
Feb 12 1983 12.5"	16mm	MF,MS,FNUC,SLT ELMHISB,SBM	
NGC 4450		H56-2 Galaxy SA(s)ab	B,L,R,GVMBM*,R,B*SP
Mar 16 2010 31"	17mmT4	VB,VL,EL,BSNUC,SBM,HISB CNTR,GRAN OVAL ARMS,R=E	
Feb 12 1983 12.5"	16mm	MB,ML,FNUC,R,LNUC,HALO DET	
Jun 10 1980 6"	24mm		
NGC 4455		H355-2 Galaxy SB(s)d? sp	F,L,E,GBM,2B*NF
Mar 07 2021 36"	17mmT4	MF,VL,EL-EDGE ON,UB,NND,SLT CNTR BULGE,F* IN TIP,R=GE	
NGC 4459		H161-1 Galaxy SA(r)0+	PB,PL,IR,BM,R,*8SF2'
Mar 07 2021 36"	17mmT4	VB,VL,OVAL-R,BVLNUC,HISB,VMBM,GRAN,R=GE	
May 09 2010 31"	17mmT4	EB,VL,R,BLNUC,GRAN HALO,SUDLY MBM,HISB,R=E	
Feb 12 1983 12.5"	16mm	MB,PS,BNUC,SBM,*NUC,CLOSE TO B*	
Mar 27 1981 12.5"	24mm		
Jun 10 1980 6"	24mm		
NGC 4468		H630-2 Galaxy SA0-?	F,CL
Mar 07 2021 36"	17mmT4	MF,MS,OVAL,FLNUC,PAIR=N4474,R=F	

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NGC 4473		H114-2	Galaxy E5	PB
Mar 16 2010 31"	17mmT4	VB,VL,OVAL,BLNUC,HISB CNTR,GRAN HALO,GMBM,R=E		
Feb 12 1983 12.5"	16mm	MF,PS,DNUC,R,BM,PAIR/4477		
May 01 1981 12.5"	24mm	PB,PL,BNUC,FARMS,PAIR/4461		
Mar 27 1981 12.5"	24mm			
Jun 10 1980 6"	24mm			
NGC 4474		H117-2	Galaxy S0 pec:	PF,R,R
Mar 07 2021 36"	17mmT4	PB,ML,EL-OVAL,BLNUC,MHISB,TAPERED ENDS,SHISB,NUC RGN EL,PAIR=N4468,R=G		
NGC 4475		H362-3	Galaxy SAbc	EF,PL,R
Feb 21 2020 36"	17mmT4	VF,PL,OVAL,PATCH,NND,R=P,TIME 2:12AM		
NGC 4477		H115-2	Galaxy SB(s)0:?	PB,CL
Mar 16 2010 31"	17mmT4	VB,VL,EL,BLNUC,GRAD MBM,HISB CNTR,PAIR=4479,R=E		
Feb 12 1983 12.5"	16mm	MF,PS,BNUC,R,BM,CLOSE COMP 4479,PAIR/4473		
Mar 27 1981 12.5"	24mm			
Jun 10 1980 6"	24mm			
NGC 4479		H116-2	Galaxy SB(s)0^:?	PB,PL
Mar 16 2010 31"	17mmT4	MB,MS,OVAL,FLNUC,PAIR=4477,R=F		
Feb 12 1983 12.5"	16mm	VDIF,VF,MS,EL,UB,NND,CLOSE COMP 4477		
NGC 4489		H91-2	Galaxy E	PF,CS,R,GBM
Mar 07 2021 36"	17mmT4	MB,MS,OVAL-R,BNUC,MHISB,HALO SHISB,F* OFF NUC RGN,R=G		
NGC 4494		H83-1	Galaxy E1-2	VB,PL,R,VSMBMN
Mar 17 2018 36"	17mmT4	VB,VL,OVAL,S BNUC,HISB,F* OUTER EDGE,GRAN HISB OVAL ARMS SUR NUC,MBM,R=E		
Feb 12 1983 12.5"	16mm	VB,VL,BNUC,R,BM		
NGC 4495		H301-3	Galaxy Sab	PF,CS,R,PSLBM
Mar 07 2021 36"	17mmT4	MB,MS,EL-EDGE ON,UB,NND,SHISB,R=F		
NGC 4498		H69-3	Galaxy SAB(s)d	VF,PL,E,(BIN)
Mar 07 2021 36"	17mmT4	MF,PL,EL-EDGE ON,NND,SHISB,SLT BTR EQ PLANE,TAPERED ENDS,R=FG		
NGC 4501	M88		Galaxy SA(rs)b	B,VL,VME
Mar 17 2018 36"	17mmT4	VB,EL-OVAL,BNUC,HISB,GMBM,SOFT NUC WITH BCORE,GRAN ARMS,2F*S OUTER ARM,R=E		
Apr 11 2015 36"	17mmT4	EB,VL,EL,SOFT BSNUC,L ,EL PATCH OF ARMS AND HALO,BKN PARTS,R=E		
May 09 2010 31"	17mmT4	VB,EL-OVAL,BLNUC,FILLS FOV,GRAN ARMS,PATCHY AREAS,SUDLY MBM,HISB CNTR,2F* EDGE,R=E		
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984 10"	20mm	SAME,2F*S ONE SIDE,ANOTHER F* OPPOSITE SIDE		
Feb 12 1983 12.5"	16mm	VB,VL,BNUC,BH2 RGN AND ARMS,DIF ARMS,SLT ,EL		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
Jun 10 1980 6"	24mm			
NGC 4502		H92-2	Galaxy Scd:	VF,S

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NGC 4502		H92-2	Galaxy Scd:	VF,S
Mar 07 2021 36"	17mmT4	MF,MS,EL-OVAL,UB,NND,R=F		
NGC 4506		H631-2	Galaxy Sa pec?	CF,PME90,GBM,*9P8S
Mar 09 2021 36"	17mmT4	MB,ML,OVAL,UB,NND,MHISB,R=FG		
NGC 4514		H302-3	Galaxy Sbc	EF,VS,R,BM
Mar 09 2021 36"	17mmT4	MF,MS,PATCH,UB,NND,SHISB,R=F		
NGC 4515		H93-2	Galaxy S0-:	F,VS,BM*
Mar 09 2021 36"	17mmT4	MB,ML,R,BLNUC,HISB,GMBM,GRAN,R=G		
NGC 4516		H78-3	Galaxy SB(rs)ab?	F,PS,R,R
Mar 09 2021 36"	17mmT4	MB,PL,EL-OVAL,FLNUC,SHISB,MHISB CNTR,R=FG		
NGC 4525		H325-2	Galaxy Scd:	F,PL,IR,BM
Mar 09 2021 36"	17mmT4	MB,PL,EL-OVAL,UB,NND,SHISB,R=FG		
NGC 4529		H26-3	Galaxy D	EF,L
Mar 09 2021 36"	17mmT4	This is not H26-3 (H26-3=UGC7697=PGC41639) EF,VS,PATCH,UB,AV,2 OBJ ON TOP OF EACH OTHER,WORST NGC TO DATE,INTRACT=PGC41463,R=P		
NGC 4540		H94-2	Galaxy SAB(rs)cd	F,PS,BM,RESOLVABLE
Mar 09 2021 36"	17mmT4	MB,ML,OVAL,NND,MHISB,* IN GLXY EDGE,GRAN,KIND OF IRR IN SHAPE,PAIR=IC3528,R=FG		
NGC 4548	M91	H120-2	Galaxy SB(rs)b	B,L,LE,LBM
Mar 17 2018 36"	17mmT4	VB,EL,EL,BNUC,MHISB,L SOF NUC,BGM,F HALO SUR NUC,ARMS NOT DET,R=GE		
Apr 11 2015 36"	17mmT4	PB,PL,S SOF GRAD BM,F HALO,BTR PATCH-BAR DET,R=G		
May 09 2010 31"	17mmT4	EB,EL,BSNUC,B BAR ACROSS NUC,SUDLY MBM,HISB CNTR,F HALO ARMS,VF OUTER LOOP ONE SIDE,R=E		
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984 10"	20mm	SAME		
Feb 12 1983 12.5"	24mm	MB,PL,BNUC,R,LNUC,DIF HALO		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
Jun 10 1980 6"	24mm			
NGC 4555		H343-2	Galaxy E	B,PS,IR,VSMBM*12
Mar 09 2021 36"	17mmT4	MB,MS,BLNUC,MHISB,CLASSIC ELLIPTICAL,GLOB CL LIKE,HISB CNTR,GRAN HALO,R=FG		
NGC 4556		H380-2	Galaxy E+:	F,PL
Feb 21 2020 36"	17mmT4	MB,PS,OVAL,FLNUC,R=F,TIME 2:16AM		
NGC 4559		H92-1	Galaxy SAB(rs)cd	VB,VL,ME150,GBM,3*F
Feb 21 2020 36"	17mmT4	VB,VL,EL-OVAL,?NUC,PATCHY,BKN PARTS,GRAN,R=GE,TIME 2:19AM		
Mar 17 2018 36"	17mmT4	VB,VL,OVAL,PATCH,NND,BKN PATCHES,MHISB IN ARMS,3*S TRIANGLE OUTER EDGE,R=E		
Feb 12 1983 12.5"	24mm	VB,VL,3F*S IN S EDGE,SLT EL,HISB,NND		
NGC 4561		H407-2	Galaxy SB(rs)dm	PB,PL,VLE,LBM,R

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NGC 4561	H407-2	Galaxy SB(rs)dm	PB,PL,VLE,LBM,R
Mar 09 2021 36"	17mmT4	MB,ML,OVAL,UB,NND,MHISB,* JUST OF CNTR,GRAN FT BAR?,SPR STR SUSP,R=G	
NGC 4565	H24-5	Galaxy SA(s)b? sp	B,EL,EE135,VSBMN=*10
Mar 17 2018 36"	17mmT4	EB,EEL,EDGE ON,BNUC,HISB,ABSOLUTELY AMAZING,DUST LANE THROUGH NUC RGN AND BEYOND,S BNUC ONE SIDE OF DUST, EDGE TO EDGE,R=EE	
Feb 05 2005 31"	17mmT4	EB,EEL,EDGE ON,BLNUC,HISB,FILLS FOV,2 HALVES,GMBM,TAPERED ENDS,R=E	
Feb 05 2005 31"	31mmT5	EB,EL,EDGE ON,BNUC,BTR THAN 17MM,JUST FITS IN FOV,DUST LANE,BEST TO DATE,R=E	
Feb 27 1982 12.5"	16mm	MB,PL,V EDGE ON,BNUC,DIM HALO,F*N OF NUC,DUST LANES,CNTR BULGE,!!!	
Mar 27 1981 12.5"	24mm		
NGC 4571	H602-3	Galaxy SA(r)d	VF,L,E,VGBM,*9NF NR
Mar 22 2004 12.5"	12mmT4	DIF,VF,VL,OVAL,PATCH,UB,NND,SMWHT BM,R=F	
NGC 4595	H632-2	Galaxy SAB(rs)b?	PF,PL,R,GBM
Mar 09 2021 36"	17mmT4	MB,ML,EL-OVAL,UB,NND,MHISB,GRAN HALO,R=FG	
NGC 4613		Galaxy Sa	VF,S,LE,1ST OF 3
Mar 17 2018 36"	17mmT4	MF,PS,PATCH,L FT NUC,PAIRS=4615/4614,R=F	
Mar 20 2009 31"	17mmT4	MF,PS,OVAL,FLNUC,OTHERS=NGC'S,R=F	
NGC 4614		Galaxy SB0/a	F,S,R,*12NP,2ND OF 3
Mar 17 2018 36"	17mmT4	MB,MS,R,L BNUC,HISB CNTR,PAIRS=4613/4615,R=R	
Mar 20 2009 31"	17mmT4	MB,MS,OVAL,BLNUC,MHISB CNTR,OTHERS=NGC'S,R=G	
NGC 4615		Galaxy Scd:	F,PL,E,3RD OF 3
Mar 17 2018 36"	17mmT4	MB,ML,EL,UB,NND,SHISB,RECTANGULAR IN SHAPE,PAIRS=4613/4614,R=FG	
Mar 20 2009 31"	17mmT4	MF,ML,EL,UB,NND,BAR DET,SPR ARMS DET AT ENDS OF BAR,OTHERS=NGC'S,R=G	
NGC 4633		Galaxy SAB(s)dm:	EEF,PS,F*CLOSEP,34 S
Mar 09 2021 36"	17mmT4	VF,MS,OVAL-PATCH,UB,NND,* OFF GLXY,PAIR=N4634,R=F	
NGC 4634	H603-3	Galaxy SBcd: sp	VF,L,ME135,VGBM
Mar 09 2021 36"	17mmT4	MB,PL,EDGE ON,UB,NND,SHISB,LONG RECT SHAPE,F* OFF CNTR RGN,PAIR=N4633,R=G	
NGC 4651	H12-2	Galaxy SA(rs)c	CB,L,E90,GBM,R
Mar 20 2009 31"	17mmT4	PF,ML,OVAL,BSNUC,MHISB,P AREAS IN ARMS DET,SBM,SPR ARMS,GRAN ARMS,R=E	
NGC 4659	H127-2	Galaxy S0/a	F,CS,R,BM,R
Mar 09 2021 36"	17mmT4	PB,ML,R,BLNUC,MHISB,HISB CNTR,GRAN HALO,R=G	
NGC 4670	H328-3	Galaxy SB(s)0/a pec:	PF,CS,R,BM,R,P OF 2
Mar 17 2018 36"	17mmT4	PB,MS,EL,L BNUC,HISB CNTR,PAIR=4673,R=G	
Mar 20 2009 31"	17mmT4	MB,MS,OVAL,BNUC,B BAR LIKE NUC,SHISB CNTR,PAIR=4673,R=G	
NGC 4673	H329-3	Galaxy E1-2	F,VS,R,SBM*10,F OF 2
Mar 17 2018 36"	17mmT4	PB,MS,OVAL,L BNUC,HISB CNTR,PAIR=4670,R=G	

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NGC 4673 Mar 20 2009 31"	17mmT4	H329-3 MB,MS,OVAL,BSNUC,SBM,SHISB CNTR,PAIR=4670,R=G	Galaxy E1-2	F,VS,R,SBM*10,F OF 2
NGC 4676A Mar 20 2009 31"	17mmT4	H326-2 MB,ML,EDGE ON,BSNUC,NUC AT END OF GLXY,INTRACT=4676B,R=G	Galaxy S0 pec?	VF,PME,(BIN)
NGC 4676B Mar 20 2009 31"	17mmT4	H326-2 MB,MS,OVAL,FLNUC,INTRACT=4676A,NUC NOT CNTR,F PATCH OFF ONE SIDE,R=G	Galaxy SB(s)0/a pec	VF,PME,(BIN)
NGC 4685 Mar 09 2021 36"	17mmT4	H398-3 PB,MS,EL-OVAL,BLNUC,SHISB,R=FG	Galaxy S0-:	F,S,R,SBM*,RR
NGC 4689 Mar 27 1982 12.5"	12mm	H128-2 EDIF,MF,PL,R,2F*S N,NND,UB,SOME STR SUSP	Galaxy SA(rs)bc	PB,VL,E,VGLBM,R
NGC 4692 Feb 21 2020 36" Mar 17 2018 36"	17mmT4 17mmT4	H381-2 MB,PS,R,BLNUC,R=F,TIME 2:21AM MB,MS,OVAL,S BNUC,HISB CNTR,R=G	Galaxy E+:	F,CS,R,BM
NGC 4710 Mar 09 2021 36"	17mmT4	H95-2 VB,VL,EDGE ON,VFLNUC,MHISB,BKN,GRAN,SLT CNTR BULGE,TAPERED ENDS,R=GE	Galaxy SA(r)0+? sp	CB,PL,VME28,SBMN
NGC 4712 Mar 17 2018 36"	17mmT4	H326-2 MF,PL,PATCH,UB,NND,IRR,GRAN,PATCHY,SHISB,R=G	Galaxy SA(s)bc	VF,PL
NGC 4721 May 14 2009 31"	17mmT4	H326-2 MB,ML,EL,BLNUC,MB,R=F	Galaxy S0?	VF,VS,(RESOLVABLE)
NGC 4725 Mar 17 2018 36" Feb 12 1983 12.5"	17mmT4 24mm	H84-1 MB,VL,R,L BNUC,MBM,HISB CNTR,7F*S IN GLXY,ARMS,KNOTS,PATCHES,BAR SUSP,R=GE VB,EL,BNUC,BLNUC,OVAL,SLT ,EL	Galaxy SAB(r)ab pec	VB,VL,E,VG,VSVMBMEBN
NGC 4728 May 14 2009 31"	17mmT4	H326-2 MB,ML,PATCH,BLNUC,SHISB CNTR,R=F	Galaxy E1	EF,ES
NGC 4738 May 31 2014 36"	17mmT4	H326-2 MB,ML,EDGE ON,NND,PA-0,* OFF NUC,TAPERED ENDS,R=FG	Galaxy Scd?	VF,E30,VLBM
NGC 4745 May 17 2009 31" May 14 2009 31"	17mmT4 17mmT4	H326-2 MF,MS,OVAL,BLNUC,AGC1656,R=F MF,ML,OVAL,BLNUC,BM,R=F	Galaxy S0?	EF*6N
NGC 4747 Mar 17 2018 36" Mar 20 2009 31"	17mmT4 17mmT4	H344-2 MB,ML,EL,UB,NND,R=G MB,PL,EL,ALM UB,L FT CNTR RGN W/FTR EXTENSIONS BOTH ENDS,R=G	Galaxy SBcd? sp pec	F,PL,LE
NGC 4758		H70-3	Galaxy Im:	VF,PL,(E)

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NGC 4758		H70-3	Galaxy Im:	VF,PL,(E)
Mar 09 2021 36"	17mmT4	MB,PL,EL-EDGE ON,UB,NND,SHISB,F* IN EDGE,R=FG		
NGC 4787			Galaxy S0/a	VF,VS,4789F
May 17 2009 31"	17mmT4	MF,MS,ELOBAL,FLNUC,AGC1656,R=F		
NGC 4788			Galaxy S?	VF,S
May 17 2009 31"	17mmT4	MF,MS,EL,BSNUC,GRADUALLY BM,AGC1656,R=F		
NGC 4789		H345-2	Galaxy SA0:	F,R,*9ATT1'N
May 17 2009 31"	17mmT4	MB,ML,BLNUC,* OFF SIDE,MHISB CNTR,AGC1656,R=G		
NGC 4789A			Galaxy IB(s)m	
May 17 2009 31"	17mmT4	VDIF,EF,ML,PATCH,UB,NND,AV TOOK A WHILE,AGC1656,R=P		
NGC 4793		H93-1	Galaxy SAB(rs)c	PB,PS,LE,*8NF1'
Feb 21 2020 36"	17mmT4	MB,ML,EL,VFSNUC,MHISB,R=G,TIME 2:27AM		
May 17 2009 31"	17mmT4	PF,PL,EL,BSNUC,HISB,COMP=MAC,AGC1656,R=E		
NGC 4798		H382-2	Galaxy S0-:	PF,PS,GBM
Feb 21 2020 36"	17mmT4	PF,PS,PATCH,UB,NND,R=F,TIME 2:30AM		
May 17 2009 31"	17mmT4	MB,PL,R,FLNUC,SHISB CNTR,AGC1656,R=G		
NGC 4807			Galaxy SAB0- pec:	F,PS,R,BM
May 17 2009 31"	17mmT4	MB,MS,R,BLNUC,MHISB CNTR,AGC1656,R=G		
NGC 4816		H383-2	Galaxy S0-:	VF,PL
Feb 21 2020 36"	17mmT4	PF,VS,OVAL,VFNUC,R=F,TIME 2:31AM		
May 18 2009 31"	17mmT4	MB,ML,OVAL,BLNUC,MHISB CNTR,* OF SIDE,AGC 1656,R=G		
May 17 2009 31"	17mmT4	MB,ML,BSNUC,F* OFF SIDE,SBM,MHISB CNTR AREA,AGC1656,R=F		
NGC 4819		H346-2	Galaxy (R')SAB(r)a:	VF,PL,IF
May 19 2009 31"	17mmT4	PB,PL,R,BLNUC,MHISB CNTR,BMBM,AGC 1656,R=G		
NGC 4821			Galaxy E4:	VF,VS,4819NP
May 19 2009 31"	17mmT4	PB,ML,R,BLNUC,MHISB CNTR,AGC 1656,R=F		
NGC 4824			Galaxy SA0	VF,VS
May 18 2009 31"	17mmT4	MF,MS,R,FLNUC,AGC 1656,R=F		
NGC 4826	M64		Galaxy (R)SA(rs)ab	VB,VL,VME120,BMSBN
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984 10"	20mm	VB,VL,OVAL,BSNUC,SBM		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
NGC 4827		H384-2	Galaxy S0-	F,CL
Feb 21 2020 36"	17mmT4	PF,PS,OVAL,FLNUC,R=F,TIME 2:34AM		

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NGC 4827		H384-2	Galaxy S0-	F,CL
May 19 2009 31"	17mmT4	MB,ML,R,BLNUC,GMBM,S BTIGHT CORE,AGC 1656,R=F		
NGC 4828			Galaxy S?	F,S,R
May 19 2009 31"	17mmT4	MB,MS,R,BLNUC,GRADUALLY GET BM,AGC 1656,R=F		
NGC 4839		H386-2	Galaxy E+	F,PL,R
Feb 21 2020 36"	17mmT4	MB,MS,EL,LNUC,R=F,TIME 2:36AM		
May 19 2009 31"	17mmT4	MB,ML,EL-OVAL,BLNUC,MHISB CNTR,GRAN AREAS,AGC 1656,R=G		
NGC 4840		H385-2	Galaxy E1:	VF,VS
Feb 21 2020 36"	17mmT4	MB,PS,EL-OVAL,SNUC,R=F,TIME 2:42AM		
NGC 4841A		H387-2	Galaxy E+ pec	PF,PL,R,VS*ATT
Feb 21 2020 36"	17mmT4	MB,PS,BLNUC,HISB,COMP=N4841B,R=G,TIME 2:48AM		
NGC 4841B		H387-2	Galaxy E pec	PF,PL,R,VS*ATT
Feb 21 2020 36"	17mmT4	MB,PS,BLNUC,HISB,COMP=N4841A,R=G,TIME 2:48AM		
NGC 4842A			Galaxy E0	VF,VS,4839SP
May 19 2009 31"	17mmT4	MF,MS,OVAL,BNUC,CLOSE COMP=4842B,AGC 1656,R=F		
NGC 4842B			Galaxy E3:	
May 19 2009 31"	17mmT4	MF,PS,OVAL,VSNUC,CLOSE COMP=4842A,AGC 1656,R=F		
NGC 4864			Galaxy E2	F,S,P OF 2
May 14 2009 31"	17mmT4	MF,MS,EL,BLNUC,AGC 1656,R=F		
NGC 4865			Galaxy E6	VF,VS,*7,8F13S
May 14 2009 31"	17mmT4	MB,MS,BSNUC,AGC 1656,R=F		
NGC 4867			Galaxy E3	VF,VS,STELLAR,F4864
May 14 2009 31"	17mmT4	MF,PS,OVAL,BLNUC,AGC 1656,R=F		
NGC 4869		H388-2	Galaxy E3	CF,S,R,*7N
Feb 21 2020 36"	17mmT4	PF,PS,OVAL,BLNUC,MANY OTHERS PRESENT,R=F,TIME 2:56AM		
May 14 2009 31"	17mmT4	MF,MSR,F* JUST OFF SIDE,BSNUC,AGC 1656,R=F		
NGC 4871			Galaxy SA0	VF,VS,STELL N
May 14 2009 31"	17mmT4	MB,MS,OVAL,BSNUC,BM,AGC 1656,R=F		
NGC 4872		H389-2	Galaxy SB0	PF,PS,R
May 14 2009 31"	17mmT4	MB,MS,OVAL,BSNUC,BM,AGC 1656,R=F		
NGC 4873			Galaxy SA0	VF,VS
May 14 2009 31"	17mmT4	MB,MS,OVAL,BSNUC,BM,AGC 1656,R=F		

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NGC 4874		H389-2	Galaxy E+0	F,4869\$72 P
Feb 21 2020 36"	17mmT4	VB,VL,OVAL,BLNUC,HISB,MANY OTHERS PRESENT,R=G,TIME 2:53AM		
May 14 2009 31"	17mmT4	PB,PL,OVAL,MHISB CNTR,SBM,BLNUC,AGC 1656,R=G		
NGC 4875			Galaxy SA0	VF,VS,STELLAR
May 14 2009 31"	17mmT4	MF,MS,OVAL,BSNUC,AGC 1656,R=F		
NGC 4876			Galaxy E5	VF,VS,NO NUCL
May 14 2009 31"	17mmT4	MF,PS,OVAL,BSNUC,AGC 1656,R=F		
NGC 4882			Galaxy E0	VF,S,OTHERS NEAR
May 14 2009 31"	17mmT4	MF,MS,OVAL,BLNUC,AGC 1656,R=F		
NGC 4889		H391-2	Galaxy E+4	PB,PME,BM,*7N
Feb 21 2020 36"	17mmT4	VB,VL,BLNUC,HISB,MANY OTHERS PRESENT,R=G,TIME 3:02AM		
May 14 2009 31"	17mmT4	VB,VL,OVAL,GMBM,BLNUC,HISB,AGC 1656,R=G		
NGC 4892		H390-2	Galaxy S	VF
Feb 21 2020 36"	17mmT4	MF,PS,EDGE ON,FSNUC,R=F,TIME 3:05AM		
NGC 4894			Galaxy SA0	PF,S,R
May 14 2009 31"	17mmT4	PF,PS,PATCH,NND,AGC 1656,R=F		
NGC 4898			Galaxy E pec	VF,S,CLOSE TO 4894
May 14 2009 31"	17mmT4	MB,ML,EL-OVAL,BLNUC,AGC 1656,R=F		
NGC 4907			Galaxy SB(r)b	EF,VS,*13ATT
Apr 02 2021 36"	17mmT4	MB,ML,OVAL,FSNUC,SHISB,* OFF EDGE,B CNTR EQ BAR?, MANY OTHERS PRESENT,R=FG		
NGC 4908			Galaxy E5	VF,VS
Feb 21 2020 36"	17mmT4	MB,MS,OVAL,FLNUC,MANY COMPANIONS,R=F,TIME 3:09AM		
NGC 4911		H392-2	Galaxy SAB(r)bc	1ST OF4,F,PL,*11NP2'
Feb 21 2020 36"	17mmT4	PF,PS,OVAL,UB,NND,F* OFF EDGE,R=F,TIME 3:12AM		
NGC 4921		H393-2	Galaxy SB(rs)ab	F,PL,3RD OF 4
Feb 21 2020 36"	17mmT4	MF,PL,OVAL,FLNUC,MANY COMPANIONS,TIME 3:16AM		
NGC 4923		H394-2	Galaxy (R')SA(r)0-?	VF,4TH OF 4
Feb 21 2020 36"	17mmT4	MF,ML,OVAL,FLNUC,R=F,TIME 3:18AM		
NGC 4926			Galaxy SA0-:	PB,S,R,GLBM
Apr 07 2008 31"	17mmT4	MB,MS,R,BLNUC,MHISB CNTR,PAIRS=4926A/MAC'S,R=G		
NGC 4926A			Galaxy S0 pec?	
Apr 07 2008 31"	17mmT4	PF,PS,PATCH,FVSNUC,PAIRS=4926/MAC'S,R=P		

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NGC 4927		H364-3	Galaxy SA0-	VF
Feb 21 2020 36"	17mmT4	MF,PS,FSNUC,F* OFF TIP,R=F,TIME 3:20AM		
NGC 4944		H395-2	Galaxy S0/a? sp	F,S,R,BM,*9NF1'
Feb 21 2020 36"	17mmT4	MF,PS,EL,FLNUC,R=F,TIME 3:22AM		
Apr 07 2008 31"	17mmT4	MF,MS,EL,FLNUC,SHISB CNTR,PAIRS=PGC45162/MAC'S,R=F		
NGC 4952		H396-2	Galaxy E	F,S,R,PSBM*11
Feb 21 2020 36"	17mmT4	MF,PS,R,LNUC,R=F,TIME 3:25AM		
NGC 4957		H397-2	Galaxy E3	F,S,R
Feb 21 2020 36"	17mmT4	MF,PS,R,FLNUC,R=F,TIME 3:27AM		
NGC 4961		H398-2	Galaxy sB(s)cd	F,S,IF
Feb 21 2020 36"	17mmT4	PF,MS,PATCH,UB,NND,R=F,TIME 3:29AM		
NGC 4966		H304-3	Galaxy S	VF,VS,VLE,VGLBM,**SP
Apr 02 2021 36"	17mmT4	MB,MSS,EL,FLNUC,B* CLOSE BY,VF* OFF SIDE,MHISB CNTR,GMBM,R=FG		
NGC 4979		H346-3	Galaxy SB?	EF,PL,LE
Apr 02 2021 36"	17mmT4	MF,ML,OVAL,FLNUC,B* IN FOV,R=F		
NGC 4983		H365-3	Galaxy S?	VF
Feb 21 2020 36"	17mmT4	VF,MS,PATCH,UB,NND,R=P,TIME 3:31AM		
NGC 5000		H366-3	Galaxy SB(rs)bc	CF,PS,LE
Feb 21 2020 36"	17mmT4	MF,ML,OVAL,PATCH,UB,NND,R=F,TIME 3:33AM		
NGC 5004		H305-3	Galaxy S0	VF,VS,VLE
Apr 02 2021 36"	17mmT4	MB,MS,OVAL,BSNUC,MHISB,HISB CNTR,PAIR=N5004A,R=FG		
NGC 5004A			Galaxy SBab	
Apr 02 2021 36"	17mmT4	PF,MS,EL,UB,NND,B* JUST OFF GLXY,PAIR=N5004,R=F		
NGC 5012		H85-1	Galaxy SAB(rs)c	PF,CL,E17,BIN,*9F
Mar 22 2004 12.5"	12mmT4	MF,MS,EL,PATCH,UB,SHISB,R=F		
NGC 5016		H356-2	Galaxy SAB(rs)c	PB,S
Apr 02 2021 36"	17mmT4	PB,PL,OVAL,BLNUC,MHISB,GRAN HALO SUR NUC,F=G		
NGC 5024	M53		Globular	GCL,B,VC,IR,VVMBM,
Apr 11 2015 36"	17mmT4	(Class V),VB,VL,RSLV TO CORE,GRP OF B*'S OFF ONE SIDE OF NUC,MHISB SECTIONS IN NUC,*'S FALL OFF SHARPLY MOVING AWAY FROM NUC,R=EE		
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984 10"	20mm	VB,VL,BNUC,R,OUTER *'S RSLV,BLNUC		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		

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NGC 5032		H367-3	Galaxy SB(r)b	VF,PL,IR
Feb 21 2020 36"	17mmT4	MF,ML,PATCH,UB,NND,COMP=PGC45940,R=F,TIME 3:35AM		
NGC 5053		H7-6	Globular XI	CL,VF,PL,IR,VGBM,*15
Apr 11 2015 36"	17mmT4	(Class X),MB,PL,DOZ OR SO B*S LOOSELY SC,LTL CL IN NUC AREA DET,OC LIKE,R=G		
Mar 22 2004 12.5"	12mmT4	VDIF,EF,VL,OVAL,F PATCHY AREAS DET,MORE WITH AV,R=P		
Mar 27 1981 12.5"	24mm			
NGC 5056		H306-3	Galaxy Scd:	CF,CS,R,SP OF 2
Mar 22 2004 12.5"	12mmT4	VF,MS,PATCH,UB,NND,PAIR=5057,R=P		
NGC 5057		H307-3	Galaxy S0	CF,CS,R,NF OF 2
Mar 22 2004 12.5"	12mmT4	VF,MS,PATCH,UB,NND,PAIR=5056,R=P		
NGC 5065		H308-3	Galaxy Sd	VF,CS
Mar 22 2004 12.5"	12mmT4	VF,PS,PATCH,NND,R=P		
NGC 5089		H327-2	Galaxy S?	PF,PL,GBM
Jan 28 1982 12.5"	16mm	EEDIF,EF,ES,JUST VISIBLE		
Jan 28 1982 12.5"	24mm	MUCH EASIER TO IDENTIFY THAN IN 16MM		
NGC 5116		H368-3	Galaxy SB(s)c:	PF,PS,PME,GLBM,R
Feb 21 2020 36"	17mmT4	MB,ML,EL-EDGE ON,UB,NND,MHISB,R=F,TIME 3:37AM		
NGC 5180		H71-3	Galaxy S0?	VF,S,R,AM3*,*7NF
Mar 21 2020 36"	17mmT4	PB,MS,EL,BSNUC,MHISB,VF* OFF NUC,F * OFF EDGE,B* IN FOV,R=FG		
PGC 37702			Galaxy S?	
Mar 17 2009 31"	17mmT4	VF,VS,EL TO EDGE ON,PATCH,UB,VF ,EL JET STICKING OUT OF N4015,R=P		
PGC 37703			Galaxy S	
Mar 17 2009 31"	17mmT4	EF,ES,SUSP ONLY,R=P		
PGC 38163			Galaxy Sc	
Mar 08 2010 31"	17mmT4	VF,PS,EDGE ON,UB,NND,AV TOOK A WHILE TO HOLD,PAIRS=NGC'S/MAC,R=P		
PGC 38387			Galaxy E	
Feb 21 2020 36"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,PAIR=N4104,R=F		
PGC 38748			Galaxy Scd:	
Apr 26 2014 36"	17mmT4	MF,MS,EDGE ON,UB,NND,PA~10,VF* OFF ONE SIDE CLOSE,THICKER IN CNTR,R=F		
PGC 39014			Galaxy SB(s)d pec	
Mar 17 2009 31"	17mmT4	PF,MS,OVAL,UB,NND,ATTACHED TO MAC,BOTH LOOK LIKE IRR TADPOLE,R=F		
PGC 39281			Galaxy SBcd:	
Apr 07 2008 31"	17mmT4	DIF,VF,MS,PATCH,UB,NND,R=P		

Coma Berenices - Berenice's Hair

PGC 39432		Galaxy Sd
May 30 2014 36"	17mmT4	PF,VL,EDGE ON,NND,PA~90,SMWHT CNTR BULGE,'THIN SCRATCH ON LENSE',R=G
PGC 41463		Galaxy D
Mar 09 2021 36"	17mmT4	EF,VS,PATCH,UB,AV,2 OBJ ON TOP OF EACH OTHER,LOC GOOD,INTRACT=N2529,R=P
PGC 41639		H26-3 Galaxy Scd:
Apr 02 2021 36"	17mmT4	This is H26-3 (UGC 7697) VF,MS,EL-EDGE ON,UB,NND,R=F
PGC 43462		Galaxy S
May 14 2009 31"	17mmT4	MF,MS,EL,UB,NND,R=F
PGC 43511		Galaxy S?
May 14 2009 31"	17mmT4	MF,MS,PATCH,NND,R=F
PGC 43529		Galaxy S
May 17 2009 31"	17mmT4	MF,MS,EL,PATCH,UB,NND,AGC1656,R=P
May 14 2009 31"	17mmT4	MF,MS,EL,PATCH,UB,NND,R=F
PGC 43583		Galaxy E/S0
May 14 2009 31"	17mmT4	MF,MS,OVAL,BLNUC,AGC 1656,R=F
PGC 43618		Galaxy E?
May 17 2009 31"	17mmT4	MF,MS,OVAL,FLNUC,KEEP * OUT OF FOV,AGC1656,R=F
PGC 43619		Galaxy E/S0
May 17 2009 31"	17mmT4	MF,MS,OVAL,FLNUC,AGC1656,R=F
PGC 43631		Galaxy C
May 17 2009 31"	17mmT4	PF,MS,OVAL,PATCH,NND,AGC1656,R=F
PGC 43632		Galaxy Spiral
May 17 2009 31"	17mmT4	PF,MS,PATCH,UB,NND,AGC1656,R=P
PGC 43712		Galaxy S?
May 17 2009 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,AGC1656,R=F
PGC 43726		Galaxy S?
May 17 2009 31"	17mmT4	MB,ML,EL,UB,NND,MHISB,AGC1656,R=G
PGC 43840		Galaxy S
May 17 2009 31"	17mmT4	MF,MS,EL,UB,NND,AGC1656,R=F
PGC 43847		Galaxy S
May 17 2009 31"	17mmT4	PF,PS,PATCH,UB,NND,AGC1656,R=P
PGC 43863		Galaxy Sb

Coma Berenices - Berenice's Hair

PGC 43863		Galaxy Sb
May 31 2014 36"	17mmT4	MB,ML,EDGE ON,UB,NND,PA~90,SMWHT BM,TAPERED ENDS,R=FG
PGC 43882		Galaxy
May 17 2009 31"	17mmT4	VF,PS,PATCH,NND,AGC1656,R=P
PGC 43930		Galaxy SB?
May 17 2009 31"	17mmT4	MF,MS,OVAL,FLNUC,AGC1656,R=F
PGC 43952		Galaxy E
May 17 2009 31"	17mmT4	MF,MS,EL-EDGE ON,UB,NND,AGC1656,R=F
PGC 43965		Galaxy
May 17 2009 31"	17mmT4	VF,PS,PATCH,NND,AGC1656,R=P
PGC 43995		Galaxy E
May 17 2009 31"	17mmT4	MF,MS,OVAL,FSNUC,AGC1656,R=P
PGC 44031		Galaxy
May 17 2009 31"	17mmT4	MF,PS,R,FSNUC,AGC1656,R=F
PGC 44043		Galaxy S0?
May 17 2009 31"	17mmT4	MF,MS,FLNUC,KEEP B* OUT OF FOV,AGC1656,R=F
PGC 44044		Galaxy S
May 17 2009 31"	17mmT4	MF,MS,EL-EDGE ON,BSNUC,SHISB CNTR,AGC1656,R=F
PGC 44105		Galaxy
May 18 2009 31"	17mmT4	MF,MS,R,FSNUC,AGC 1656,R=F
PGC 44109		Galaxy C
May 18 2009 31"	17mmT4	PF,PS,PATCH,NND,AGC 1656,R=P
PGC 44137		Galaxy
May 18 2009 31"	17mmT4	MB,MS,OVAL,FLNUC,AGC 1656,R=F
PGC 44151		Galaxy L
May 19 2009 31"	17mmT4	MF,MS,R,BSNUC,AGC 1656,R=F
PGC 44159		Galaxy
May 18 2009 31"	17mmT4	MF,PS,PATCH,*NUC,VF* IN OR SUR GLXY,AGC 1656,R=P
PGC 44193		Galaxy S?
May 19 2009 31"	17mmT4	MF,MS,EL,FLNUC,AGC 1656,R=F
PGC 44195		Galaxy S
May 19 2009 31"	17mmT4	PF,PS,PATCH,FNUC,AGC 1656,R=F

Coma Berenices - Berenice's Hair

PGC 44196		Galaxy E
May 19 2009 31"	17mmT4	MB,MS,FSNUC,AGC 1656,R=F
PGC 44212		Galaxy S
May 19 2009 31"	17mmT4	PF,PS,PATCH,VFSNUC,AGC 1656,R=F
PGC 44214		Galaxy
May 19 2009 31"	17mmT4	EF,PS,PATCH,AV,AGC 1656,R=P
PGC 44229		Galaxy
May 19 2009 31"	17mmT4	MB,MS,EL,BLNUC,AGC 1656,R=F
PGC 44263		Galaxy SB?
May 19 2009 31"	17mmT4	MB,ML,EL,BLNUC,A V NICE PGC,AGC 1656,R=F
PGC 44268		Galaxy S?
May 19 2009 31"	17mmT4	MB,MS,R,BSNUC,AGC 1656,R=F
PGC 44304		Galaxy S0
May 19 2009 31"	17mmT4	MF,PS,R,BSNUC,AGC 1656,R=F
PGC 44432		Galaxy SBcd?
Apr 07 2008 31"	17mmT4	VDIF,VF,PL,OVAL,PATCH,UB,NND,NO FIELD *S SUR GLXY,BARREN FOV,R=P
PGC 44522		Galaxy
May 14 2009 31"	17mmT4	PF,PS,PATCH,NND,AGC 1656,R=P
PGC 44533		Galaxy
May 14 2009 31"	17mmT4	PF,PS,PATCH,NND,AGC 1656,R=P
PGC 44546		Galaxy
May 14 2009 31"	17mmT4	VF,VS,PATCH,AV FIRST THEN HOLDS,AGC 1656,R=P
PGC 44575		Galaxy E
May 14 2009 31"	17mmT4	MF,MS,PATCH,UB,NND,AGC 1656,R=F
PGC 44581		Galaxy
May 14 2009 31"	17mmT4	PF,PS,PATCH,AGC 1656,R=P
PGC 44585		Galaxy
May 14 2009 31"	17mmT4	MF,PS,R,FSNUC,AGC 1656,R=F
PGC 44597		Galaxy
May 14 2009 31"	17mmT4	PF,PS,CLOSE COMP=PGC44598,CAN SEP,AGC 1656,R=F
PGC 44598		Galaxy
May 14 2009 31"	17mmT4	PF,PS,PATCH,CLOSE COMP=PGC44597,CAN SEP,AGC 1656,R=F

Coma Berenices - Berenice's Hair

PGC 44602		Galaxy
May 14 2009 31"	17mmT4	VF,PS,OVAL,V CLOSE TO *,AGC 1656,R=P
PGC 44609		Galaxy
May 14 2009 31"	17mmT4	EF,VS,PATCH,AV FIRST,AV HOLDS A FEW TIMES,AGC 1656,R=P
PGC 44616		Galaxy
May 14 2009 31"	17mmT4	VF,PS,OVAL,V CLOSE TO *,AGC 1656,R=P
PGC 44636		Galaxy
May 14 2009 31"	17mmT4	PF,PS,PATCH,NND,AGC 1656,R=P
PGC 44644		Galaxy
May 14 2009 31"	17mmT4	PF,PS,OVAL,PATCH,NND,AGC 1656,R=P
PGC 44649		Galaxy
May 14 2009 31"	17mmT4	MF,PS,OVAL,BSNUC,AGC 1656,R=F
PGC 44651		Galaxy
May 14 2009 31"	17mmT4	PF,PS,OVAL,PATCH,NND,AGC 1656,R=P
PGC 44652		Galaxy
May 14 2009 31"	17mmT4	PF,PS,PATCH,AGC 1656,R=F
PGC 44654		Galaxy
May 14 2009 31"	17mmT4	VF,VS,PATCH,INTRACT,CANNOT SEP,AGC 1656,R=P
PGC 44656		Galaxy
May 14 2009 31"	17mmT4	PF,MS,OVAL,AGC 1656,R=F
PGC 44662		Galaxy
May 14 2009 31"	17mmT4	VF,VS,PATCH,INTRACT,CANNOT SEP,AGC 1656,R=P
PGC 44675		Galaxy
May 14 2009 31"	17mmT4	PF,PS,PATCH,AGC 1656,R=F
PGC 44708		Galaxy
May 14 2009 31"	17mmT4	EF,VS,PATCH,AV COMES AND GOES,TOUCH NGC4884 NUC,AGC 1656,R=P
PGC 44741		Galaxy
May 14 2009 31"	17mmT4	VF,PS,PATCH,AGC 1656,R=P
PGC 45162		Galaxy SB?
Apr 07 2008 31"	17mmT4	VF,VS,OVAL,VFSNUC,PAIRS=4944/MAC'S,R=P
PGC 45463		Galaxy S
Mar 20 2009 31"	17mmT4	MF,MS,EL,FSNUC,VF* OFF ONE TIP,GLXY HAS A BEND IN IT,NUC REG OFF 1 SIDE,R=F

Coma Berenices - Berenice's Hair

PGC 45509**Galaxy S?**

Mar 20 2009 31" 17mmT4 MB,MS,PATCH,UB,NND,R=F

PGC 46036**Galaxy**

Mar 17 2010 31" 17mmT4 PF,PS,PATCH,FSNUC,PAIRS=MAC'S/PGC46054,R=F

Mar 20 2009 31" 17mmT4 PF,PS,OVAL,VFSNUC,INTRACT=PGC46054,CANNOT SEP,OTHERS,R=F

PGC 46054**Galaxy C**

Mar 17 2010 31" 17mmT4 EF,ES,AV ONLY A FEW TIMES,PAIRS=MAC'S/PGC46036,SUSP,R=P

Mar 20 2009 31" 17mmT4 EF,VS,PATCH,V CLOSE INTRACT=PGC46036,CANNOT SEP OR DET,SUSP,R=P

PGC 46225**Galaxy SB**

Mar 20 2009 31" 17mmT4 VF,PS,OVAL,PATCH,UB,NND,FIELD * CLOSE BY,PAIR=PGC46234,R=P

PGC 46234**Galaxy C**

Mar 20 2009 31" 17mmT4 VF,VS,PATCH,TOOK A WHILE TO FIND WITH AV,AV OFF AND ON,PAIR=PGC46225,R=P

Corona Australis - The Southern Crown

IC 1297**Planetary Neb**

Sep 02 2008 31" 17mmT4 MF,PS,OVAL-R,OIII HELPS LTL,GREENISH,NO CNTR*,10 DEG ABOVE HORZ AT MERIDIAN,R=F

NGC 6541**Globular****GCL,B,R,EC,GBM,RRR**

Jul 01 2019 36" 17mmT4 (Class VI),PB,PL,L HISB CNTR,5 DEG ALT,LOWEST OBJ TO DATE,R=F

Corona Borealis - The Northern Crown

IC	1138		Galaxy S0/a
Apr 04 2005	31"	17mmT4	MF,MS,EL,VFSNUC,SMWHT BM,R=F
IC	1166		Galaxy
Apr 04 2005	31"	17mmT4	PF,MS,OVAL,FSNUC,F* OFF EDGE,PAIR=MAC,R=F
IC	1208		Galaxy
Apr 04 2005	31"	17mmT4	MF,MS,EL,FLNUC,B* CLOSE BY,F* OFF ONE SIDE,SHISB CNTR,R=F
IC	4539		Galaxy SBb
Apr 03 2005	31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,R=F
IC	4546		Galaxy SB?
Apr 03 2005	31"	17mmT4	PF,MS,PATCH,UB,NND,F* IN GLXY,PAIRS=IC4547/PGC/S,R=F
IC	4547		Galaxy E
Apr 03 2005	31"	17mmT4	PF,MS,OVAL,FSNUC,PAIRS=PGC'S/IC,R=F
IC	4568		Galaxy Im:
Apr 03 2005	31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,R=F
IC	4569		Galaxy S0?
Apr 03 2005	31"	17mmT4	MF,VS,R,FSNUC,PAIRS=PGC/MAC,R=F
IC	4570		Galaxy SABcd:
Apr 03 2005	31"	17mmT4	MF,MS,OVAL,UB,NND,R=F
IC	4572		Galaxy SBab
Apr 04 2005	31"	17mmT4	MF,MS,OVAL,FSNUC,PAIR=MAC,R=F
Apr 03 2005	31"	17mmT4	MF,MS,OVAL,UB,NND,CLOSE COMP=MAC,R=F
IC	4574		Galaxy
Apr 04 2005	31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,R=F
IC	4580		Galaxy SB(rs)d:
Apr 04 2005	31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIRS=PGC55883/MAC,R=F
IC	4581		Galaxy SB?
Apr 04 2005	31"	17mmT4	PF,PS,EL,VFSNUC,F* OFF EDGE,PAIR=MAC,R=F
IC	4582		Galaxy S?
Apr 04 2005	31"	17mmT4	PF,MS,OVAL,SMWHT BM,R=F
IC	4587		Galaxy SAB(rs)bc
Apr 04 2005	31"	17mmT4	MF,MS,EL,FSNUC,R=F
IC	4590		Galaxy S

Corona Borealis - The Northern Crown

IC	4590		Galaxy S
Apr 04 2005	31"	17mmT4	PF,PS,OVAL,PATCH,UB,*NUC SUSP,R=F
MAC	1521+2740		Galaxy
Apr 16 2009	31"	17mmT4	EF,VS,PATCH,AV COMES AND GOES,AGC 2065,R=P
MAC	1521+2745		Galaxy
Apr 17 2009	31"	17mmT4	EF,VS,PATCH,NND,AV FIRST THEN HOLDS,AGC 2065,R=P
MAC	1522+2733		Galaxy
Apr 16 2009	31"	17mmT4	EF,VS,PATCH,AV TOOK A WHILE,AGC 2065,R=P
MAC	1522+2734		Galaxy
Apr 16 2009	31"	17mmT4	VF,VS,PATCH,COMES AND GOES WITH AV,AGC 2065,R=P
MAC	1522+2735B		Galaxy
Apr 16 2009	31"	17mmT4	VF,VS,PATCH,AV FIRST THEN HOLDS,AGC 2065,R=P
MAC	1522+2735C		Galaxy
Apr 17 2009	31"	17mmT4	VF,VS,PATCH,AGC 2065,R=P
Apr 16 2009	31"	17mmT4	VF,VS,PATCH,NND,AGC 2065,R=P
MAC	1522+2736A		Galaxy
Apr 16 2009	31"	17mmT4	VF,VS,PATCH,AV FIRST THEN HOLDS,AGC 2065,R=P
MAC	1522+2736B		Galaxy
Apr 16 2009	31"	17mmT4	VF,VS,PATCH,AV,AGC 2065,R=P
MAC	1522+2737A		Galaxy
Apr 16 2009	31"	17mmT4	VF,VS,PATCH,AV FIRST THEN HOLDS,AGC 2065,R=P
MAC	1522+2737B		Galaxy
Apr 16 2009	31"	17mmT4	VF,VS,PATCH,AV,AGC 2065,R=P
MAC	1522+2737C		Galaxy
Apr 16 2009	31"	17mmT4	EF,VS,PATCH,AV COMES AND GOES,AGC 2065,R=P
MAC	1522+2738		Galaxy
Apr 16 2009	31"	17mmT4	VF,VS,AV FIRST THEN HOLDS,AGC 2065,R=P
MAC	1522+2739A		Galaxy
Apr 16 2009	31"	17mmT4	VF,VS,PATCH,AV TOOK A WHILE,AGC 2065,R=P
MAC	1522+2739B		Galaxy
Apr 17 2009	31"	17mmT4	EF,VS,PATCH,SUSP,AGC 2065,R=P
MAC	1522+2739C		Galaxy

Corona Borealis - The Northern Crown

MAC 1522+2739C	Galaxy
Apr 17 2009 31" 17mmT4	EF,ES,ALM *,AV,AGC 2065,R=P
MAC 1522+2739D	Galaxy
Apr 17 2009 31" 17mmT4	EF,ES,PATCH,AV COMES AND GOES,AV ONLY A FEW TIMES,AGC 2065,R=P
MAC 1522+2739E	Galaxy
Apr 17 2009 31" 17mmT4	EF,VS,PATCH,AV FIRST THEN HOLDS,AGC 2065,R=P
MAC 1522+2739F	Galaxy
Apr 17 2009 31" 17mmT4	EF,ES,AV ONLY ONCE,SUSP,AGC 2065,R=P
MAC 1522+2740	Galaxy
Apr 16 2009 31" 17mmT4	VF,VS,PATCH,AV FIRST THEN HOLDS,AGC 2065,R=P
MAC 1522+2741A	Galaxy
Apr 17 2009 31" 17mmT4	VF,VS,PATCH,NND,AV FIRST THEN COMES AND GOES,AGC 2065,R=P
MAC 1522+2741B	Galaxy
Apr 17 2009 31" 17mmT4	VF,VS,PATCH,AV FIRST THEN HOLDS,AGC 2065,R=P
MAC 1522+2741D	Galaxy
Apr 17 2009 31" 17mmT4	VF,VS,PATCH,AV TAKES A WHILE,AGC 2065,R=P
MAC 1522+2741G	Galaxy
Apr 16 2009 31" 17mmT4	EF,VS,PATCH,AV ONLY A FEW TIMES,AGC 2065,R=P
MAC 1522+2742A	Galaxy
Apr 16 2009 31" 17mmT4	VF,VS,PATCH,AV TOOK A WHILE,AGC 2065,R=P
MAC 1522+2742B	Galaxy
Apr 17 2009 31" 17mmT4	EF,VS,PATCH,AV TOOK A WHILE,COMES AND GOES,AGC 2065,R=P
MAC 1522+2742C	Galaxy
Apr 17 2009 31" 17mmT4	EF,ES,PATCH,NND,AV TAKES A WHILE,AGC 2065,R=P
MAC 1522+2743	Galaxy
Apr 17 2009 31" 17mmT4	VF,VS,PATCH,AV FIRST THEN HOLDS,AGC 2065,R=P
MAC 1522+2744A	Galaxy
Apr 17 2009 31" 17mmT4	EF,VS,PATCH,AV COMES AND GOES,AGC 2065,R=P
MAC 1522+2744B	Galaxy
Apr 17 2009 31" 17mmT4	EF,ES,SUSP,AGC 2065,R=P
MAC 1522+2744C	Galaxy
Apr 17 2009 31" 17mmT4	VF,VS,PATCH,UB,NND,AV HOLDS AFTER A WHILE,AGC 2065,R=P

Corona Borealis - The Northern Crown

MAC 1522+2744D Galaxy
Apr 17 2009 31" 17mmT4 EF,VS,PATCH,AV HOLDS,AGC 2065,R=P

MAC 1522+2745A Galaxy
Apr 17 2009 31" 17mmT4 EF,VS,PATCH,NND,AV TAKES A WHILE THEN HOLDS,AGC 2065,R=P

MAC 1522+2746A Galaxy
Apr 16 2009 31" 17mmT4 VF,VS,PATCH,AV FIRST THEN HOLDS,AGC 2065,R=P

MAC 1522+2746B Galaxy
Apr 17 2009 31" 17mmT4 EF,VS,PATCH,AGC 2065,R=P

MAC 1522+2746C Galaxy
Apr 17 2009 31" 17mmT4 EF,VS,PATCH,AV HOLDS,AGC 2065,R=P

MAC 1522+2747A Galaxy
Apr 17 2009 31" 17mmT4 EF,VS,PATCH,NND,AV COMES ANG GOES,CANNOT SEP COMP,AGC 2065,R=P

MAC 1522+2747B Galaxy
Apr 17 2009 31" 17mmT4 EF,VS,AV,SUSP,CANNOT SEP COMP,AGC 2065,R=P

MAC 1522+2747C Galaxy
Apr 16 2009 31" 17mmT4 VF,VS,PATCH,AV FIRST THEN HOLDS,AGC 2065,R=P

MAC 1522+2748A Galaxy
Apr 17 2009 31" 17mmT4 VF,VS,PATCH,NND,AV FIRST THEN HOLDS,AGC 2065,R=P

MAC 1522+2748B Galaxy
Apr 16 2009 31" 17mmT4 VF,VS,PATCH,AV FIRST THEN HOLDS,AGC 2065,R=P

MAC 1522+2749B Galaxy
Apr 17 2009 31" 17mmT4 EF,ES,PATCH,V CLOSE TO OTHERS,HARD TO DETERMINE WHICH IS WHO,SUSP,R=P

MAC 1522+2749C Galaxy
Apr 17 2009 31" 17mmT4 EF,ES,SUSP,LOC GOOD,AGC 2065,R=P

MAC 1522+2749D Galaxy
Apr 16 2009 31" 17mmT4 VF,VS,PATCH,AV FIRST THEN HOLDS,AGC 2065,R=P

MAC 1523+2741 Galaxy
Apr 16 2009 31" 17mmT4 PF,PS,EL,PATCH,UB,NND,AV FIRST THEN HOLDS,AGC 2065,R=P

MAC 1523+2748 Galaxy
Apr 17 2009 31" 17mmT4 EF,ES,PATCH,AV ONLY ONCE,SUSP,AGC 2065,R=P

MAC 1523+2750 Galaxy
Apr 17 2009 31" 17mmT4 VF,ES,PATCH,AGC 2065,R=P

Corona Borealis - The Northern Crown

MAC 1535+3045		Galaxy
Jun 19 2004 31"	17mmT4	DIF,VF,VS,PATCH,NND,PAIRS=5961/PGC55517,R=P
MAC 1536+3043		Galaxy
Jun 19 2004 31"	17mmT4	DIF,VF,ES,OVAL,NND,CLOSE TO *,PAIR=PGC55576,R=P
MAC 1539+3140		Galaxy
Jun 19 2004 31"	17mmT4	DIF,VF,VS,PATCH,UB,NND,PAIRS=5974/PGC55700,R=P
MAC 1540+2820		Galaxy
Apr 03 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=IC4569/PGC,R=P
MAC 1541+2807		Galaxy
Apr 04 2005 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIR=IC4572,R=P
Apr 03 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,CLOSE COMP=IC4572,R=F
MAC 1543+2819		Galaxy
Apr 04 2005 31"	17mmT4	VF,VS,ALM *,AV,PAIR=IC4581,R=P
MAC 1543+2820		Galaxy
Apr 04 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=IC4580/MAC,R=P
MAC 1602+2621		Galaxy
Apr 04 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=IC1166,R=P
MAC 1607+3857		Galaxy
Jun 19 2004 31"	17mmT4	VF,VS,R,FSNUC,PAIRS=6069/MAC,R=P
MAC 1607+3858		Galaxy
Jun 19 2004 31"	17mmT4	VF,VS,R,FSNUC,PAIRS=6069/MAC,R=P
MAC 1610+2910		Galaxy
Jun 20 2004 31"	17mmT4	VDIF,EF,VS,PATCH,AV,B*S CLOSE BY WASH OUT,OUTSIDE AGC2162,R=P
MAC 1610+2918A		Galaxy
Jun 20 2004 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,OUTSIDE AGC2162,R=P
MAC 1610+2918B		Galaxy
Jun 20 2004 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,AGC2162,R=P
MAC 1611+2657		Galaxy
Jun 19 2004 31"	17mmT4	DIF,VF,VS,PATCH,NND,PAIRS=6076/6077,R=P
MAC 1611+2909		Galaxy
Jun 20 2004 31"	17mmT4	DIF,VF,VS,PATCH,UB,AGC2162,R=P
MAC 1611+2921		Galaxy

Corona Borealis - The Northern Crown

MAC 1611+2921		Galaxy
Jun 20 2004 31"	17mmT4	EDIF,EF,ES,PATCH,AV,SUSP,AGC2162,R=P
MAC 1611+2922		Galaxy
Jun 20 2004 31"	17mmT4	EDIF,EF,ES,PATCH,AV,SUSP,AGC2162,R=P
MAC 1611+2923		Galaxy
Jun 20 2004 31"	17mmT4	VDIF,EF,VS,PATCH,AGC2162,R=P
MAC 1611+2924		Galaxy
Jun 20 2004 31"	17mmT4	EDIF,EF,VS,PATCH,AV,AGC2162,R=P
MAC 1611+2927A		Galaxy
Jun 20 2004 31"	17mmT4	PF,VS,OVAL,VFSNUC,AGC2162,R=P
MAC 1611+2927B		Galaxy
Jun 20 2004 31"	17mmT4	PF,VS,R,FSNUC,AGC2162,R=P
MAC 1611+2929A		Galaxy
Jun 20 2004 31"	17mmT4	EDIF,EF,VS,PATCH,AV,SUSP,AGC2162,R=P
MAC 1611+2929B		Galaxy
Jun 20 2004 31"	17mmT4	DIF,VF,VS,PATCH,AGC2162,R=P
MAC 1611+2931A		Galaxy
Jun 20 2004 31"	17mmT4	MF,VS,OVAL,PATCH,NND,AGC2162,R=P
MAC 1611+2931C		Galaxy
Jun 20 2004 31"	17mmT4	VDIF,EF,VS,PATCH,AV,AGC2162,R=P
MAC 1611+2933		Galaxy
Jun 20 2004 31"	17mmT4	DIF,EF,VS,PATCH,AGC2162,R=P
MAC 1611+2934		Galaxy
Jun 20 2004 31"	17mmT4	VF,VS,PATCH,NND,AGC2162,R=P
MAC 1611+2935		Galaxy
Jun 20 2004 31"	17mmT4	VDIF,EF,VS,PATCH,AV FIRST THEN HOLDS,AGC2162,R=P
MAC 1611+2936A		Galaxy
Jun 20 2004 31"	17mmT4	PF,VS,EL,PATCH,FSNUC,AGC2162,R=P
MAC 1611+2936B		Galaxy
Jun 20 2004 31"	17mmT4	DIF,VF,VS,EL,PATCH,NND,AGC2162,R=P
MAC 1611+2947A		Galaxy
Jun 20 2004 31"	17mmT4	VF,ES,PATCH,AGC2162,R=P

Corona Borealis - The Northern Crown

MAC 1611+2949		Galaxy
Jun 20 2004 31"	17mmT4	VF,VS,PATCH,NND,COMP=PGC57455,AGC2162,R=P
MAC 1611+2951A		Galaxy
Jun 20 2004 31"	17mmT4	VF,VS,PATCH,AGC2162,R=P
MAC 1611+2951B		Galaxy
Jun 20 2004 31"	17mmT4	VF,VS,PATCH,UB,NND,AGC2162,R=P
MAC 1611+2951C		Galaxy
Jun 20 2004 31"	17mmT4	EDIF,EF,ES,CLOSE COMP=MAC,SUSP,AGC2162,R=P
MAC 1611+2952		Galaxy
Jun 20 2004 31"	17mmT4	VF,VS,PATCH,AGC2162,R=P
MAC 1611+2953		Galaxy
Jun 20 2004 31"	17mmT4	VF,PS,OVAL,UB,AGC2162,R=P
MAC 1612+2919		Galaxy
Jun 19 2004 31"	17mmT4	DIF,VF,VS,PATCH,UB,NND,AGC2162,R=P
MAC 1612+2924A		Galaxy
May 18 2009 31"	17mmT4	EF,VS,PATCH,AV ONLY A FEW TIMES,AGC 2162,R=P
MAC 1612+2924B		Galaxy
Jun 19 2004 31"	17mmT4	VDIF,EF,VS,PATCH,AV,AGC2162,R=P
MAC 1612+2925		Galaxy
Jun 19 2004 31"	17mmT4	DIF,VF,VS,PATCH,NND,AGC2162,R=P
MAC 1612+2927		Galaxy
Jun 19 2004 31"	17mmT4	VDIF,EF,VS,PATCH,NND,AGC2162,R=P
MAC 1612+2932A		Galaxy
Jun 19 2004 31"	17mmT4	VDIF,EF,VS,V CLOSE COM,AV,DET ONE OR THE OTHER,AGC2162,R=P
MAC 1612+2932B		Galaxy
Jun 19 2004 31"	17mmT4	VDIF,EF,VS,V CLOSE COMP,AV,DET ONE OR THE OTHER,AGC2162,R=P
MAC 1612+2933A		Galaxy
Jun 19 2004 31"	17mmT4	VF,VS,PATCH,NND,BTR OF THE THREE,AGC2162,R=P
MAC 1612+2933C		Galaxy
Jun 19 2004 31"	17mmT4	VF,PS,PATCH,UB,NND,AGC2162,R=P
MAC 1612+2934		Galaxy
Jun 19 2004 31"	17mmT4	PF,VS,EL,UB,AGC2162,R=P

Corona Borealis - The Northern Crown

MAC 1612+2936		Galaxy
Jun 19 2004 31"	17mmT4	VDIF,EF,VS,PATCH,AV FIRST THEN HOLDS,AGC2162,R=P
MAC 1612+2938A		Galaxy
Jun 19 2004 31"	17mmT4	PF,VS,PATCH,FSNUC,AGC2162,R=P
MAC 1612+2952		Galaxy
May 18 2009 31"	17mmT4	VF,PS,PATCH,AGC 2162,R=P
MAC 1612+2953		Galaxy
Jun 20 2004 31"	17mmT4	VDIF,EF,VS,PATCH,AV,AGC2162,R=P
MAC 1612+2954A		Galaxy
May 18 2009 31"	17mmT4	PF,PS,PATCH,NND,AGC 2162,R=P
MAC 1612+2954B		Galaxy
May 18 2009 31"	17mmT4	EF,VS,PATCH,AV TOOK A WHILE,COMES AND GOES,AGC 2162,R=P
MAC 1612+2958		Galaxy
May 18 2009 31"	17mmT4	VF,VS,PATCH,AV TOOK A WHILE,AGC 2162,R=P
MAC 1612+2959		Galaxy
May 18 2009 31"	17mmT4	EF,ES,ALM *,2VF*S BOTH ENDS,AGC 2162,R=P
MAC 1612+3302		Galaxy
Apr 04 2005 31"	17mmT4	VF,VS,UB,NND,CLOSE COMP=6089,R=P
MAC 1612+3303		Galaxy
Apr 04 2005 31"	17mmT4	EF,VS,PATCH,AV,PAIRS=6089/MAC,R=P
MAC 1613+2906		Galaxy
May 18 2009 31"	17mmT4	EF,VS,PATCH,AV ONLY ONCE,SUSP,R=P
MAC 1613+2908		Galaxy
May 18 2009 31"	17mmT4	PF,PS,PATCH,NND,AGC 2162,R=P
MAC 1613+2909		Galaxy
May 18 2009 31"	17mmT4	PF,PS,PATCH,NND,R=P
MAC 1613+2922B		Galaxy
Jun 19 2004 31"	17mmT4	VDIF,EF,VS,PATCH,UB,NND,AGC2162,R=P
MAC 1613+2924		Galaxy
Jun 19 2004 31"	17mmT4	VDIF,EF,VS,PATCH,AV,AGC2162,R=P
MAC 1613+2930		Galaxy
Jun 19 2004 31"	17mmT4	EDIF,EF,ES,PATCH,AV,AGC2162,R=P

Corona Borealis - The Northern Crown

MAC 1613+2935		Galaxy
Jun 19 2004 31"	17mmT4	VDIF,EF,ES,PATCH,VF* ON EDGE,AV,AGC2162,R=P
MAC 1613+2936		Galaxy
Jun 19 2004 31"	17mmT4	VDIF,EF,VS,PATCH,AV,AGC2162,R=P
MAC 1613+2955		Galaxy
May 18 2009 31"	17mmT4	PF,PS,OVAL,FSNUC,AGC 2162,R=P
MAC 1613+2957		Galaxy
May 18 2009 31"	17mmT4	EF,VS,PATCH,AV COMES AND GOES,AGC 2162,R=P
MAC 1614+2917A		Galaxy
May 18 2009 31"	17mmT4	PF,PS,PATCH,NND,AGC 2162,R=P
MAC 1614+2923		Galaxy
May 18 2009 31"	17mmT4	EF,VS,PATCH,SUSP,AGC 2162,R=P
MAC 1615+2633		Galaxy
Apr 04 2005 31"	17mmT4	EF,VS,PATCH,UB,NND,R=P
MAC 1616+3456		Galaxy
Apr 04 2005 31"	17mmT4	VF,MS,OVAL,PATCH,UB,NND,CLOSE PAIR=PGC57701,PAIRS=6107/6105/MAC'S,R=P
MAC 1616+3547		Galaxy
Apr 04 2005 31"	17mmT4	VF,PS,PATCH,UB,PAIR=PGC57690,R=P
MAC 1617+3452		Galaxy
Apr 04 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=6107/6105/MAC'S/PGC57701,R=P
MAC 1617+3458		Galaxy
Apr 04 2005 31"	17mmT4	PF,ES,VBSNUC,ALM *,PAIRS=6107/6105/MAC'S/PGC57701,R=P
MAC 1617+3509		Galaxy
Apr 04 2005 31"	17mmT4	EF,ES,PATCH,AV,PAIRS=6109/6110/6112/MANY OTHERS,R=P
MAC 1618+3509		Galaxy
Apr 04 2005 31"	17mmT4	EF,VS,PATCH,AV,SUSP,PAIRS=6116/PGC57806,R=P
MAC 1618+3510		Galaxy
Apr 04 2005 31"	17mmT4	EF,VS,AV,SUSP,PAIR=6114,R=P
MAC 1620+3744		Galaxy
Apr 04 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=6119/6120/6122,R=P
MAC 1621+3854		Galaxy
Apr 04 2005 31"	17mmT4	VF,PS,PATCH,NND,PAIR=6131,R=P

Corona Borealis - The Northern Crown

MAC 1622+3743A		Galaxy	
Apr 04 2005 31"	17mmT4	VF,PS,PATCH,UB,NND,VF* SUR GLXY,PAIRS=PGC57953/MAC,R=P	
MAC 1622+3743B		Galaxy	
Apr 04 2005 31"	17mmT4	VF,PS,PATCH,UB,NND,PAIRS=PGC57953/MAC,R=P	
MAC 1622+3800		Galaxy	
Apr 04 2005 31"	17mmT4	EF,PS,EL,PATCH,AV,R=P	
NGC 5924		Galaxy S0?	NEB*,VF,S,F*CLOSE S
Jun 19 2004 31"	17mmT4	MF,MS,R,BSNUC,SHISB,V* OR CLOSE COMP,R=F	
NGC 5958		H399-2 Galaxy S?	PF,PL,IR,BM,R
Feb 21 2020 36"	17mmT4	MF,MS,OVAL,UB,NND,R=F,TIME 5:40AM	
Jun 19 2004 31"	17mmT4	MF,MS,R,FLNUC,MHISB CNTR,R=G	
NGC 5961		Galaxy S?	PF,S,E PF
Jun 19 2004 31"	17mmT4	MB,MS,EL-OVAL,NND,SHISB,PAIRS=PGC55517/MAC,R=G	
NGC 5974		Galaxy S?	VF,VS,R,BM
Jun 19 2004 31"	17mmT4	MB,ML,EL-OVAL,FLNUC,HISB CNTR,PAIRS=PGC55700/MAC,R=G	
NGC 6001		H371-3 Galaxy Sc	VF,S,R
Feb 21 2020 36"	17mmT4	MF,MS,OVAL,UB,NND,R=FG,TIME 5:50AM	
Jun 19 2004 31"	17mmT4	PB,ML,OVAL,VFSNUC,MHISB,R=G	
NGC 6016		Galaxy Scd:	VF,S,E
Jun 19 2004 31"	17mmT4	MB,ML,OVAL,PATCH,UB,NND,R=G	
NGC 6038		H622-3 Galaxy Sc	VF,S,R,*10SF
Jun 19 2004 31"	17mmT4	MV,PL,OVAL,FSNUC,SHISB,R=G	
NGC 6069		Galaxy L	VF*IN VF,VS,R NEB
Jun 19 2004 31"	17mmT4	MF,MS,R,BSNUC,HISB CNTR,PAIRS=MACS,R=G	
NGC 6076		Galaxy Double System	VF,S,E
Jun 19 2004 31"	17mmT4	MF,MS,EL,FLNUC,SLT HISB CNTR,PAIRS=6077/MAC,R=G	
NGC 6077		Galaxy E	F,SBM
Jun 19 2004 31"	17mmT4	MF,MS,OVAL,BSNUC,PAIRS=6076/MAC,R=G	
NGC 6085		Galaxy Sa	F,S
Jun 19 2004 31"	17mmT4	MB,MS,R,FLNUC,HISB CNTR,AGC2162,R=G	
NGC 6086		Galaxy E	F,VS,STELLAR N
Jun 19 2004 31"	17mmT4	MF,MS,OVAL,BSNUC,SLT HISB CNTR,AGC2162,R=F	

Corona Borealis - The Northern Crown

NGC 6089		H889-3	Galaxy Compact	VF,S,R,BM
Apr 04 2005 31"	17mmT4	MF,MS,FSNUC,CLOSE	COMP=MAC,R=F	
NGC 6092			Galaxy E	VF,STELLAR N
Jul 09 2005 31"	17mmT4	MF,PS,EL-OVAL,FSNUC,GBM,R=F		
NGC 6096			Galaxy S?	VF,VS,R,BM
Apr 04 2005 31"	17mmT4	MB,PS,OVAL,FSNUC,SLT	BM,R=F	
NGC 6097			Galaxy S0/a	NEB*13M
Apr 04 2005 31"	17mmT4	MB,MS,OVAL,BSNUC,BM,MHISB	CNTR,R=G	
NGC 6102			Galaxy S?	VF,S,R
Apr 04 2005 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,R=F		
NGC 6103		H888-3	Galaxy S?	VF,S,R,VGLBM
Apr 04 2005 31"	17mmT4	MF,MS,R,UB,NND,MHISB,R=G		
NGC 6104		H688-3	Galaxy S?	VF,S,IR
Apr 04 2005 31"	17mmT4	MB,ML,OVAL,UB,NND,SHISB,PAIR=PGC57698,R=G		
NGC 6105			Galaxy S?	F,S,R,GVLBM
Apr 04 2005 31"	17mmT4	MF,MS,OVAL,FSNUC,PAIRS=6107/PGC57701/MAC'S,R=F		
NGC 6107			Galaxy E:	F,VS
Apr 04 2005 31"	17mmT4	MF,MS,OVAL,FSNUC,CLOSE TO B*,PAIRS=6105/MAC'S/PGC57701,R=F		
NGC 6108			Galaxy S?	EF,VS,R,LBM
Apr 04 2005 31"	17mmT4	MF,MS,EL,UB,NND,F* OFF EDGE,PAIRS=6109/6110/6112/MANY OTHERS,R=F		
NGC 6109			Galaxy S?	F,S,R,GBM
Apr 04 2005 31"	17mmT4	MF,MS,PATCH,FLNUC,PAIRS=6110/6112/MANY OTHERS,R=G		
NGC 6110			Galaxy Sab	EF,VS,R,GBM
Apr 04 2005 31"	17mmT4	PF,PS,EL,FSNUC,PAIRS=6109/6112/MANY OTHERS,R=F		
NGC 6112			Galaxy S?	VF,VS,R,BM
Apr 04 2005 31"	17mmT4	PF,PS,OVAL,FLNUC,SHISB CNTR,PAIRS=6109/6110/MANY OTHERS,R=G		
NGC 6114			Galaxy I?	EF,S,R,GLBM
Apr 04 2005 31"	17mmT4	PF,PS,R,UB,F* ON EDGE,NND,PAIR=MAC,R=F		
NGC 6116			Galaxy Sb	VF,VS,R,GBM
Apr 04 2005 31"	17mmT4	MF,MS,OVAL-R,UB,NND,SHISB,PAIRS=PGC57806/MAC,R=F		
NGC 6117			Galaxy SA(s)bc	VF,S,R
Apr 04 2005 31"	17mmT4	MF,MS,R,UB,NND,SHISB,PAIR=PGC57822,R=G		

Corona Borealis - The Northern Crown

NGC 6119		Galaxy Spiral	VF,ES,R
Apr 04 2005 31"	17mmT4	MF,PL,EL,UB,NND,F* IN GLXY,PAIRS=6120/6122/MAC,R=F	
NGC 6120		H623-3 Galaxy Pec	VF,VS,R,D*NF
Apr 04 2005 31"	17mmT4	MF,PL,OVAL,PATCH,UB,NND,SHISB,PAIRS=6119/6122/MAC,R=G	
NGC 6122		Galaxy L	VF,R,NO N
Apr 04 2005 31"	17mmT4	PF,MS,FSNUC,PAIRS=6119/6120/MAC,R=F	
NGC 6126		Galaxy S?	F,VS,R,BMSN
Apr 04 2005 31"	17mmT4	MF,MS,FLNUC,SMWHT BM,R=F	
NGC 6129		H891-3 Galaxy S0	EF,VS,R,LBM
Mar 09 2021 36"	17mmT4	MB,PS,OAL,BLNUC,MHISB,PAIR=PGC57915,R=FG	
NGC 6131		Galaxy SABcd:	VF,PL,IR,DIF
Apr 04 2005 31"	17mmT4	PF,PL,OVAL,UB,NND,MHISB,F* ON EDGE,PAIR=MAC,R=G	
NGC 6137		H624-3 Galaxy E	F,S,IR,BM
Apr 04 2005 31"	17mmT4	MF,PS,OVAL,NND,MHISB,F* BET,CLOSE COMP=PGC57964,R=G	
NGC 6142		H892-3 Galaxy Sb	EF,S,BM
Apr 04 2005 31"	17mmT4	MF,PS,EL,FSNUC,PAIR=PGC57979,R=F	
PGC 54858		Galaxy E	
Apr 16 2009 31"	17mmT4	EF,VS,PATCH,AV ONLY A FEW TIMES,AGC 2065,R=P	
PGC 54867		Galaxy	
Apr 16 2009 31"	17mmT4	VF,VS,PATCH,AV FIRST THEN HOLDS,AGC 2065,R=P	
PGC 54868		Galaxy	
Apr 17 2009 31"	17mmT4	EF,VS,V CLOSE TO OTHERS,HARD TO DETERMINE WHICH IS WHO,AV,AGC 2065,R=P	
PGC 54869		Galaxy	
Apr 16 2009 31"	17mmT4	VF,VS,TOOK A WHILE FOR AV,AGC 2065,R=P	
PGC 54875		Galaxy	
Apr 17 2009 31"	17mmT4	VF,VS,OVAL,PATCH,NND,AGC 2065,R=P	
PGC 54876		Galaxy S0?	
Apr 16 2009 31"	17mmT4	PF,PS,PATCH,UB,NND,AGC 2065,R=P	
PGC 54878		Galaxy	
Apr 16 2009 31"	17mmT4	VF,PS,PATCH,UB,AV HOLDS,AGC 2065,R=P	
PGC 54880		Galaxy	
Apr 17 2009 31"	17mmT4	EF,ES,V CLOSE TO OTHERS,CANNOT DETERMINE,SUSP,AGC 2065,R=P	

Corona Borealis - The Northern Crown

PGC 54881		Galaxy
Apr 16 2009 31"	17mmT4	PF,PS,PATCH,UB,NND,CAN JUST BARELY SPLIT THE TWO,COMP=PGC54883,AGC 2065,R=P
PGC 54883		Galaxy
Apr 16 2009 31"	17mmT4	PF,PS,PATCH,UB,NND,CAN JUST BARELY SPLIT THE TWO,COMP=PGC54881,AGC 2065,R=P
PGC 54884		Galaxy
Apr 16 2009 31"	17mmT4	VF,PS,PATCH,UB,AV HOLDS,AGC 2065,R=P
PGC 54888		Galaxy E
Apr 17 2009 31"	17mmT4	EF,VS,PATCH,AV,AGC 2065,R=P
PGC 54891		Galaxy
Apr 16 2009 31"	17mmT4	PF,PS,PATCH,NND,AGC 2065,R=P
PGC 54892		Galaxy
Apr 17 2009 31"	17mmT4	EF,ES,PATCH,AV COMES ANG GOES,AGC 2065,R=P
PGC 54894		Galaxy
Apr 17 2009 31"	17mmT4	VF,VS,PATCH,NND,AGC 2065,R=P
PGC 55106		Galaxy
Apr 03 2005 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIRS=IC'S/PGC,R=P
PGC 55126		Galaxy
Apr 03 2005 31"	17mmT4	VF,PS,PATCH,NND,PAIRS=IC4547/PGC'S,R=P
PGC 55517		Galaxy Sb
Jun 19 2004 31"	17mmT4	PF,MS,EL-EDGE ON,NND,* CLOSE TO NUC,PAIRS=5961/MAC,R=F
PGC 55576		Galaxy S?
Jun 19 2004 31"	17mmT4	VF,VS,OVAL,FSNUC,PAIR=MAC,R=F
PGC 55581		Galaxy SB?
Jun 19 2004 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,R=F
PGC 55700		Galaxy
Jun 19 2004 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIRS=5974/MAC,R=P
PGC 55775		Galaxy S
Apr 03 2005 31"	17mmT4	PF,MS,OVAL,PATCH,FSNUC,PAIRS=IC4569/MAC,R=F
PGC 55882		Galaxy SB
Apr 04 2005 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIR=PGC55892,R=P
PGC 55883		Galaxy S?
Apr 04 2005 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,PAIRS=IC4580/MAC,R=F

Corona Borealis - The Northern Crown

PGC 55892		Galaxy
Apr 04 2005 31"	17mmT4	PF,MS,PATCH,UB,SMWHT BM,NND,PAIR=PGC55882,R=F
PGC 56050		Galaxy S?
Apr 04 2005 31"	17mmT4	MF,PS,OVAL-R,FSNUC,R=F
PGC 57377		Galaxy Sb
Jun 20 2004 31"	17mmT4	DIF,VF,VS,UB ,NND,VF* IN OR CLOSE TO GLXY,AGC2162,R=P
PGC 57424		Galaxy Sab
Jun 20 2004 31"	17mmT4	MF,MS,EL,FSNUC,AGC2162,R=F
PGC 57438		Galaxy Chain
Jun 20 2004 31"	17mmT4	PF,PS,OVAL,AGC2162,R=F
PGC 57439		Galaxy
Jun 20 2004 31"	17mmT4	EF,ES,VF* IN GLXY OR ON EDGE,CLOSE COMP=MAC,AGC2162,SUSP,R=P
PGC 57444		Galaxy S
Jun 20 2004 31"	17mmT4	DIF,VF,MS,PATCH,UB,NND,AGC2162,R=P
PGC 57445		Galaxy S
Jun 20 2004 31"	17mmT4	MF,MS,OVAL,UB,NND,AGC2162,R=F
PGC 57455		Galaxy S0
Jun 20 2004 31"	17mmT4	MF,MS,OVAL,FLNUC,AGC2162,R=F
PGC 57470		Galaxy
May 18 2009 31"	17mmT4	PF,PS,EL-OVAL,FSNUC,AGC 2162,R=F
PGC 57475		Galaxy C
Jun 19 2004 31"	17mmT4	VF,VS,PATCH,UB,NND,AGC2162,R=P
PGC 57565		Galaxy S0
Apr 04 2005 31"	17mmT4	MF,PS,INSIDE TRI OF F*S,SMWHT BM,R=F
PGC 57690		Galaxy S
Apr 04 2005 31"	17mmT4	VDIF,EF,MS,PATCH,UB,AV FIRST THEN HOLDS,PAIR=MAC,R=P
PGC 57698		Galaxy E2
Apr 04 2005 31"	17mmT4	MF,MS,OVAL,UB,NND,PAIR=6104,R=F
PGC 57701		Galaxy
Apr 04 2005 31"	17mmT4	VF,MS,OVAL,PATCH,UB,CLOSE PAIR=MAC,PAIRS=6107/6105/MAC'S,R=P
PGC 57737		Galaxy
Apr 04 2005 31"	17mmT4	PF,PS,EL,FSNUC,PAIRS=6109/6110/6112/MANY OTHERS,R=F

Corona Borealis - The Northern Crown

PGC 57742		Galaxy
Apr 04 2005 31"	17mmT4	VF,PS,PATCH,UB,NND,PAIRS=6109/6110/6112/MANY OTHERS,R=P
PGC 57806		Galaxy S
Apr 04 2005 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIRS=6116/MAC,R=F
PGC 57822		Galaxy Spiral
Apr 04 2005 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,PAIR=6117,R=P
PGC 57915		Galaxy S0/a
Mar 09 2021 36"	17mmT4	EF,PS,EL-OVAL,UB,NND,R=PF
Apr 04 2005 31"	17mmT4	VF,PS,PATCH,UB,NND,VF* ON EDGE,PAIR=6129,R=P
PGC 57953		Galaxy S
Apr 04 2005 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIRS=MAC'S,R=F
PGC 57964		Galaxy S0/a
Apr 04 2005 31"	17mmT4	PF,MS,PATCH,UB,NND,F* BET,CLOSE COMP=6137,R=F
PGC 57979		Galaxy
Apr 04 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=6142,R=P

Crater - The Cup

MAC 1123-0840		Galaxy	
Mar 25 2020 36"	17mmT4	EF,ES,PATCH,AV COMES AND GOES,HOLDS,PAIRS=N3660/MAC,R=P	
MAC 1123-0841		Galaxy	
Mar 25 2020 36"	17mmT4	EF,ES,PATCH,AV FIRST THEN HOLDS,PAIRS=N3660/MAC,R=P	
MAC 1134-0929A		Galaxy	
Apr 26 2006 31"	17mmT4	EF,VS,PATCH,UB,NND,PAIR=3721,R=P	
MAC 1134-0929B		Galaxy	
Apr 26 2006 31"	17mmT4	EF,ES,PATCH,SUSP,PAIRS=OTHERS,FORM DIAMOND SHAPE,R=P	
MAC 1134-0930		Galaxy	
Apr 26 2006 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,PAIRS=OTHERS,FORM DIAMOND SHAPE,R=F	
MAC 1134-0931		Galaxy	
Apr 26 2006 31"	17mmT4	PF,VS,OVAL,FSNUC,PAIRS=OTHERS,FORM DIAMOND SHAPE,R=F	
MAC 1134-0932		Galaxy	
Apr 26 2006 31"	17mmT4	PF,VS,PATCH,UB,NND,PAIRS=OTHERS,R=F	
MAC 1134-0944B		Galaxy	
Apr 26 2006 31"	17mmT4	VF,VS,EL,UB,NND,F* ON TIP,PAIRS=OTHERS,R=P	
MAC 1135-0934B		Galaxy	
Apr 26 2006 31"	17mmT4	VF,VS,OVAL,*NUC,ALM * PAIRS,PAIRS=OTHERS,FORM DIAMOND SHAPE,R=P	
MAC 1148-1058		Galaxy	
Apr 26 2006 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,PAIRS=MAC/3892,R=P	
MAC 1148-1103		Galaxy	
Apr 26 2006 31"	17mmT4	EF,VS,PATCH,UB,NND,PAIRS=MAC/3892,R=P	
NGC 3456		H29-4 Galaxy SB(rs)c:	EF,ATT TO*12F
Mar 21 2020 36"	17mmT4	MB,ML,OVAL,PATCH,NND,MHISB,F* IN EDGE,R=G	
NGC 3508		H507-2 Galaxy SA(r)b pec?	F,S,BM,* 0'.5 NF
Mar 21 2020 36"	17mmT4	PB,ML,OVAL,UB,NND,MHISB,R=G	
NGC 3511		H39-5 Galaxy SA(s)c	VF,VL,ME
Nov 24 2006 12.5"	12mmT4	MF,VL,EL,FLNUC,* IN TIP,PAIR=3513,R=G	
NGC 3513		H40-5 Galaxy SB(rs)c	VF,VL,ME
Nov 24 2006 12.5"	12mmT4	DIF,PF,VL,OVAL,PATCH,UB,NND,SHISB,PAIR=3511,R=F	
NGC 3528		H824-3 Galaxy SA(s)0^	F,S,R,PSLBM,P OF 2
Apr 09 2023 36"	17mmT4	MB,ML,OVAL,LBNUC,HISB,PAIR=N3529,R=G	

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NGC 3528		H824-3	Galaxy SA(s)0[^]	F,S,R,PSLBM,P OF 2
Mar 21 2020 36"	17mmT4	MB,ML,R,BLNUC,MHISB,GMBM,MHISB HALO SUR NUC,PAIR=3529,R=G		
NGC 3529			Galaxy SB(rs)b pec:	EF,S,R,VLBM,F OF 2
Apr 09 2023 36"	17mmT4	MB,MS,OVAL,LFNUC,PAIR=N3528,VF* OFF W EDGE,R=F		
Mar 21 2020 36"	17mmT4	MF,MS,PATCH,UB,NND,PAIR=3525,R=FG		
NGC 3571		H819-2	Galaxy (R')SAB(rs)a:	PF,PL,IF,BM
Mar 05 2021 36"	17mmT4	MB,ML,EL-OVAL,SOFT LNUC,SBM,R=F		
Mar 25 2020 36"	17mmT4	PB,MF,EL,BLNUC,MHISB,TAPERED ENDS,VF* OFF NUC,R=G		
NGC 3591		H529-3	Galaxy (R')SB(r)0+?	VF,S,IR,LBM
Mar 21 2020 36"	17mmT4	MF,MS,PATCH,FLNUC,SHISB,R=FG		
NGC 3636		H550-2	Galaxy E0	F,VS,R,LBM,*7F,P OF2
Nov 24 2006 12.5"	12mmT4	MB,MS,R,BLNUC,B* IN FOV,GBM,MHISB CNTR,PAIR=3637,R=G		
NGC 3637		H551-2	Galaxy (R)SB(r)0[^]	F,VS,R,PSBM,*7P,FOF2
Nov 24 2006 12.5"	12mmT4	MB,MS,R,BLNUC,B* IN FOV,BGM,MHISB CNTR,PAIR=3636,R=G		
NGC 3660		H635-2	Galaxy SB(r)bc	F,PL,IR,VGBM
Mar 25 2020 36"	17mmT4	MB,ML,OVAL,FSNUC,MHISB,SMWHT ,EL NUC RGN,/PAIRS=MAC'S		
NGC 3661		H530-3	Galaxy SA(r)0/a: sp	F,S,R,STELLAR,P OF 2
Mar 25 2020 36"	17mmT4	MB,MS,EL-OVAL,FLNUC,SHISB,R=FG		
NGC 3667		H531-3	Galaxy (R')SA(rs)ab:	PF,PL,IR,VLBM
Mar 25 2020 36"	17mmT4	PB,MS,OVAL,BLNUC,GRAN HALO,MHISB,HISB CNTR,CLOSE PAIR=N3667A,R=G		
NGC 3667A			Galaxy SA(rs)b pec	
Mar 25 2020 36"	17mmT4	MF,MS,EL,UB,NND,SHISB,CLOSE PAIR=N3667,R=G		
NGC 3672		H131-1	Galaxy SA(s)c	PB,L,E0,GBM
Apr 26 2006 31"	17mmT4	MB,PL,OVAL,PATCH,UB,SMWHT PATCHY IN CNTR,MHISB,ONESIDE TAPERED,R=E		
NGC 3693		H532-3	Galaxy (R')SA(r)b:	CF,S,E,GBM
Apr 26 2006 31"	17mmT4	MF,ML,EDGE ON,BLNUC,MBM,F TOWARDS ENDS,R=G		
NGC 3715		H562-2	Galaxy (R')SB(rs)bc:	PF,S,R,VGVLBM
Mar 25 2020 36"	17mmT4	PB,ML,OVAL,BSNUC,MHISB,GRAN,GRAINY STR SUSP,VBMB,R=G		
NGC 3721			Galaxy S0/a	EF,ES,R,GBM
Apr 26 2006 31"	17mmT4	MF,ML,OVAL,FSNUC,VF* ON EDGE,PAIR=MAC,R=F		
NGC 3722			Galaxy E0	EF,VS,R,SBMN,1ST OF2
Apr 26 2006 31"	17mmT4	MF,ML,FLNUC,MBM,SHISB CNTR,E PAIRS=OTHERS,R=G		

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NGC 3724		Galaxy S0+: sp	EF,VS,R,SBMN,2ND OF2
Apr 26 2006 31"	17mmT4	MF,ML,FLNUC,MBM,SHISB CNTR,E PAIRS=OTHERS,R=G	
NGC 3732		H552-2 Galaxy SAB(s)0/a:	F,S,R,PSBM,*14SP
Apr 26 2006 31"	17mmT4	PB,ML,R,BLNUC,HISB CNTR,BMBM,R=G	
NGC 3734		H935-3 Galaxy (R')SAB(rs)bc:	EF,S,R,GBM
Mar 05 2021 36"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,R=F	
NGC 3771		Galaxy E:	VF,ES,R,*10P 15S
Mar 25 2020 36"	17mmT4	MB,MS,OVAL,BLNUC,SHISB,PAIR=PGC36113,R=FG	
NGC 3791		Galaxy (R)SAB0 pec:	VF,VS,R,GBM,*8S6'
Mar 25 2020 36"	17mmT4	MB,MS,OVAL,BLNUC,MHISB,R=G	
NGC 3887		Galaxy SB(r)bc	PB,L,IR,VGPMBM
Apr 26 2006 31"	17mmT4	MB,VL,OVAL,FLNUC,PATCHY AREAS,DARK AREAS,MINATURE M33,R=E	
NGC 3892		Galaxy SB(rs)0+	PB,PL,R,GBM,R
Apr 26 2006 31"	17mmT4	PB,ML,R,BLNUC,B INNER RGN,HISB CNTR,GMBM,PAIRS=MAC'S,R=G	
NGC 3955		Galaxy S0/a pec	CF,S,E170,LBS
Mar 25 2020 36"	17mmT4	MB,ML,EL-OVAL,FLNUC,MHISB,VF* EDGE,R=G	
NGC 3956		Galaxy SA(s)c:	CF,PL,PME57
Mar 25 2020 36"	17mmT4	MF,VL,OVAL,BU,NND,SHISB,PATCHY AREAS,R=FG	
NGC 3957		Galaxy SA0+: sp	F,S,E,R
Mar 25 2020 36"	17mmT4	MF,VL,EL-EDGE ON,NND,SHISB,VF* OFF SIDE,R=G	
NGC 3962		Galaxy E1	CB,PL,IR,GMBM,TRI2*
Feb 12 1983 12.5"	16mm	MB,VS,BNUC,R,HISB,BM	
NGC 3981		Galaxy SA(rs)bc	VF,PL,IF
Mar 16 2009 31"	17mmT4	MB,ML,IRR,NND,UB,CNTR BULGE,F* OFF ONE TIP,R=G	
PGC 32724		Galaxy Sc	
Mar 21 2020 36"	17mmT4	EF,VS,PATCH,NND,AV,R=P	
PGC 35743		Galaxy S0/a	
Apr 26 2006 31"	17mmT4	PF,ML,R,BLNUC,GMBM,MHISB CNTR,E PAIRS=OTHERS,R=G	
PGC 35753		Galaxy L	
Apr 26 2006 31"	17mmT4	PF,PS,FSNUC,E PAIRS=OTHERS,R=F	
PGC 35771		Galaxy S0/a	
Apr 26 2006 31"	17mmT4	PF,ML,FLNUC,E PAIRS=OTHERS,R=G	

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PGC 36026

Apr 19 2014 36" 17mmT4 MF,ML,EDGE ON,UB,NND,PA~10,THIN SLIVER, LTL BULGING,R=F

Galaxy Sc: sp

PGC 36113

Mar 25 2020 36" 17mmT4 MF,PS,EL,NND,CLOSE PAIR=N371,R=F

Galaxy

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IC	761		Galaxy S0
Apr 06 2008	31"	17mmT4	MF,PS,EL,FLNUC,PAIR=PGC38354,R=F
IC	766		Galaxy SAB(r)0+? sp
Apr 06 2008	31"	17mmT4	MF,MS,EL,BSNUC,LOC IN BARRON * FIELD,R=F
IC	785		Galaxy SB(s)c
Apr 06 2008	31"	17mmT4	MB,MS,PATCH,UB,NND,PAIR=IC786,R=F
IC	786		Galaxy (R)SAB0^:
Apr 06 2008	31"	17mmT4	MB,MS,BLNUC,2F*S BET GLXY,MBM,PAIR=IC785,R=G
IC	806		Galaxy (R')SB(r)ab pec
Apr 06 2008	31"	17mmT4	MF,MS,OVAL,PATCH,NND,PAIR=IC807,R=F
IC	807		Galaxy E/S0
Apr 06 2008	31"	17mmT4	MF,MS,OVAL,FLNUC,PATCHY NUC,PAIR=IC806,R=G
IC	829		Galaxy SB0
Apr 06 2008	31"	17mmT4	MF,PS,R,BLNUC,SHISB,PAIRS=MAC'S,PGC'S,R=F
IC	3799		Galaxy Sd: sp
Apr 06 2008	31"	17mmT4	VF,ML,EDGE ON,NND,BKN PARTS,ONE SIDE BTR THAN OTHER,R=F
IC	3822		Galaxy Sc
Apr 06 2008	31"	17mmT4	VF,MS,EDGE ON,PATCH,UB,NND,PAIRS=IC'S/MAC'S,R=P
IC	3827		Galaxy Sc
Apr 06 2008	31"	17mmT4	MF,PS,OVAL-R,NND,F* IN EDGE,PAIRS=IC'S/MAC'S,R=F
IC	3831		Galaxy (R')SAB(s)0^?
Apr 06 2008	31"	17mmT4	MF,MS,R,BLNUC,MHISB,R=G
MAC	1207-1408		Galaxy
Apr 06 2008	31"	17mmT4	VF,ES,*NUC,CAN BARELY DET NEB SUR VF* AT CNTER,PAIR=4114,R=P
MAC	1216-1217		Galaxy
Apr 06 2008	31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=4225,R=P
MAC	1250-1422		Galaxy
Apr 06 2008	31"	17mmT4	EF,VS,PATCH,NND,PAIRS=IC'S/MAC'S,R=P
MAC	1250-1425		Galaxy
Apr 06 2008	31"	17mmT4	VF,PS,EL,FLNUC,PAIRS=IC'S/MAC'S,R=F
MAC	1250-1428		Galaxy
Apr 06 2008	31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=IC'S/MAC'S,R=P

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MAC 1251-1315		Galaxy	
Apr 06 2008 31"	17mmT4	EF,ES,ALM *,PAIR=4723,R=P	
MAC 1252-1529		Galaxy	
Apr 06 2008 31"	17mmT4	EF,VS,PATCH,NND,PAIR=PGC43663/IC829,R=P	
NGC 4024		H295-2	Galaxy SAB0- F,VS,IF,BM
Mar 22 2004 12.5"	12mmT4	MF,MS,OVAL,BLNUC,HOD HISB CNTR,R=G	
May 03 1981 12.5"	24mm	PB,PS,BNUC	
NGC 4027		H296-2	Galaxy SB(s)dm GCL,PF,PL,R,RR,ST16
Apr 06 2008 31"	17mmT4	MB,ML,OVAL,MHISB,V*OUTER EDGE,L CNTR REGI,PATCHY NUC,MBM,PAIR=4027A,R=G	
May 03 1981 12.5"	16mm	DIF,PB,PL,DNUC,F HALO	
NGC 4027A		Galaxy IB(s)m:	
Apr 06 2008 31"	17mmT4	VF,MS,OVAL,PATCH,UB,NND,PAIR=4027,R=P	
NGC 4033		H508-2	Galaxy E6 PB,S,LE,BM
May 03 1981 12.5"	24mm	PF,PS,DNUC	
NGC 4035		H279-3	Galaxy (R')SAB(rs)bc p EF,PL,*9M NR
Apr 06 2008 31"	17mmT4	DIF,PF,MS,OVAL,PATCH,UB,NND,R=F	
NGC 4038		H28-4	Galaxy SB(s)m pec PB,CL,R,VGBM
Mar 16 2009 31"	17mmT4	VB,VL,EL,PATCHY AREAS IN GLXY,SHISB,NND,DARK AREA SPLITS TWO,INTRACT=4039,R=G	
Mar 22 2004 12.5"	12mmT4	MF,PL,OVAL,PATCH,UB,NND,CLOSE COMP=4039,R=G	
May 03 1981 12.5"	24mm	DIF,PB,VL,EL,BOTH NUC OF BOTH GLXY SEEN,RING TAIL GLXY,ARMS DET,PAIR/4039	
NGC 4039		H28-4	Galaxy SA(s)m pec PF,PL
Mar 16 2009 31"	17mmT4	VB,VL,EL,SHISB,UB,NND,DARK AREA SPLITS THE TWO,COMP=4038,R=G	
Mar 22 2004 12.5"	12mmT4	MF,PL,OVAL,PATCH,UB,NND,CLOSE COMP=4038,R=G	
May 03 1981 12.5"	24mm	PAIR/4038,RING TAIL GLXY	
NGC 4050		H509-2	Galaxy SB(r)ab F,CL,IR,LBM
May 03 1981 12.5"	24mm	DIF,VF,VL,DIM HALO	
NGC 4094		Galaxy SAB(rs)cd:	EF,L,PME,VGBM,2*11NR
May 03 1981 12.5"	24mm	DIF,EF,PL,EF HALO	
NGC 4114		H533-3	Galaxy (R')SAB(rs)a: CF,S,IR,GBM
Apr 06 2008 31"	17mmT4	MB,ML,OVAL,FLNUC,PAIR=MAC,R=F	
NGC 4177		H534-3	Galaxy SA(rs)c pec: VF,PL,R,VGBM
Apr 06 2008 31"	17mmT4	VDIF,VF,PL,OVAL,PATCH,UB,NND,R=P	
NGC 4188		Galaxy Sb	EF,PS
Apr 06 2008 31"	17mmT4	MF,MS,PATCH,UB,NND,* OUTER EDGE,MHISB,R=F	

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NGC 4225		Galaxy S0/a	F,ES,R,*60"S
Apr 06 2008 31"	17mmT4	PF,MS,OVAL,FLNUC,PAIR=MAC,R=F	
NGC 4263		H535-3 Galaxy Sb	VF,PL,IF
Apr 06 2008 31"	17mmT4	MF,MS,OVAL,UB,NND,R=F	
NGC 4329		Galaxy E+:	VF,VS,R,BMN
Apr 06 2008 31"	17mmT4	MB,PS,EL,BSNUC,MBM,R=F	
NGC 4361		H65-1 Planetary Neb 3a+2	VB,L,R,VSMBMN,R
Mar 16 2009 31"	17mmT4	VB,EL,B CNTR*,SQUARE SHAPE NEB,GREENISH,W/OIII,NEB MORE PRONOUNCED,HELPS A LTL,NEB MORE SQUARE LIKE,R=E	
May 03 1981 12.5"	16mm	BLUE GREEN,PB,PL,CNTR * ~11MAG DET	
NGC 4462		H764-3 Galaxy SB(r)ab	PB,PS,E130,SBM
May 03 1981 12.5"	16mm	DIF,VF,PS,F HALO	
NGC 4524		Galaxy SAB(r)bc	VF,IF,BM
Apr 06 2008 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,R=F	
NGC 4714		H536-3 Galaxy SAB(rs)0-?	F,PS,R,GBM
Apr 06 2008 31"	17mmT4	VB,ML,OVAL,BLNUC,MHISB,R=G	
NGC 4722		Galaxy SB(r)0/a	2VF,VS,F4714
Apr 06 2008 31"	17mmT4	PB,PL,OVAL,BLNUC,HISB CNTR,GMBM,R=G	
NGC 4723		Galaxy SB(s)m pec?	2VF,VS,F4714
Apr 06 2008 31"	17mmT4	VF,PS,PATCH,UB,NND,F* OFF ONE SIDE,PAIR=MAC,R=P	
NGC 4724		H280-3 Galaxy SB0-:	F,VS,R,STELLAR,NPOF2
Apr 06 2008 31"	17mmT4	MB,PS,OVAL,BSNUC,V CLOSE COMP=4727,R=G	
NGC 4727		H298-2 Galaxy SAB(r)bc pec:	F,PL,R,LBM,SF OF 2
Apr 06 2008 31"	17mmT4	MB,ML,OVAL,MHISB,V CLOSE COMP=4724,FVLNUC,R=G	
NGC 4740		Galaxy Sb	PF,PS,R,MBM
Apr 06 2008 31"	17mmT4	MB,MS,OVAL,FLNUC,SBM,R=F	
NGC 4748		H537-3 Galaxy Sa	F,VS,IR,GBM
Apr 06 2008 31"	17mmT4	PB,MS,OVAL,BSNUC,VF BULGE OFF ONE SIDE,R=F	
NGC 4756		H281-3 Galaxy SAB(s)0^?	VF,PS,RESOLVABLE
Apr 06 2008 31"	17mmT4	PB,VL,OVAL,BLNUC,HISB CNTR,OTHERS CLOSE BY,R=G	
May 03 1981 12.5"	16mm	DIF,PF,PS,F HALO SUR NUC	
NGC 4763		H489-3 Galaxy SB(r)a:	VF,S,LBM
May 03 1981 12.5"	16mm	NO FIND	

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NGC 4782		H135-1	Galaxy E0 pec	PF,PS,R,MBM,P OFDNEB
Apr 06 2008 31"	17mmT4	VB,VL,R,PATCH,BLNUC,HISB,F NEB AROUND NUC,GMBM,COMP=4783,VF* BET,R=E		
May 03 1981 12.5"	16mm	DIF,PF,VS,F HALO,PAIR/4783		
NGC 4783		H136-1	Galaxy E0 pec	PF,PS,R,MBM,F OFDNEB
Apr 06 2008 31"	17mmT4	VB,VL,R,PATCH,BLNUC,HISB,F NEB AROUND NUC,GMBM,COMP=4783,VF* BET,R=E		
May 03 1981 12.5"	16mm	DIF,PF,PS,F HALO,12MAG * NEAR OR IN GLXY,PAIR/4782		
NGC 4792			Galaxy S0 sp	VS,R,7"N OF4794
Apr 06 2008 31"	17mmT4	MB,PS,R,BSNUC,R=F		
NGC 4794		H538-3	Galaxy SB(rs)a	VF,S,2OR3*NR
Apr 06 2008 31"	17mmT4	PB,MS,OVAL,PATCH,BLNUC,*S BOTH SIDES,HISB,R=G		
NGC 4802		H40-4	Galaxy SA(r)0?	VF,S,*10ATT
Apr 06 2008 31"	17mmT4	PB,MS,EL,BSNUC,* OFF NUC,HISB CNTR,BM,R=G		
NGC 4897			Galaxy SAB(r)bc:	F
Apr 06 2008 31"	17mmT4	MF,MS,OVAL,UB,MHISB,NND,R=F		
PGC 37565			Galaxy SAB(s)0	
Mar 16 2009 31"	17mmT4	MF,PS,R,BLNUC,R=F		
PGC 37857			Galaxy IAB(s)m	
Apr 19 2014 36"	17mmT4	PF,MS,EL,UB,NND,R=P		
PGC 37906			Galaxy Sdm?sp	
Apr 19 2014 36"	17mmT4	MF,ML,EDGE ON,UB,NND,PA~130,R=PF		
PGC 38354			Galaxy E?	
Apr 06 2008 31"	17mmT4	MF,PS,OVAL,BSNUC,PAIR=IC761		
PGC 43501			Galaxy SB?	
Apr 06 2008 31"	17mmT4	DIF,EF,MS,PATCH,NND,R=P		
PGC 43625			Galaxy Sb	
Apr 06 2008 31"	17mmT4	MF,MS,OVAL,FLNUC,R=F		
PGC 43663			Galaxy SB0	
Apr 06 2008 31"	17mmT4	MF,PS,OVAL,PATCH,UB,NND,PAIRS=MAC/PGC/IC829,R=F		
PGC 43664			Galaxy Sb	
Apr 06 2008 31"	17mmT4	PF,VS,OVAL,PATCH,UB,NND,PAIRS=MAC/IC829/PGC43663,R=P		

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ABELL 78		Planetary Neb
Sep 18 2004 31"	17mmT4	VDIF,W/OIII,VF,ML,CNTR * ~13TH MAG,R,AREA OF NEB DET,R=F
B 347		Drk Nebula
Sep 06 2023 12.5"	31mmT5	DARK NEB,PS,EASILY DET IN IC1318 SECOND PART),(9:50pm),R=E
B 349		Drk Nebula
Sep 18 2004 31"	25mm	VF,ML,DARK NEB,BLACK HOLE DET IN CNTR OF RICH * FOV,R=G
BERK 55		Open Cluster III 1 m
Jun 24 2022 36"	17mmT4	(III 1 p),MF,MS,~158'S,RAND SC IN AREA BY ITSELF,CL IS DET IN SMWHT BARREN FOV,(3:03am),R=P
BERK 85		Open Cluster III 1 m
May 30 2022 36"	17mmT4	(III 1 p),MB,ML,~15*S,SIM MAG,LOOSELY SC,CL DET,(4:04am),R=P
BERK 86		Open Cluster IV 2 m n
May 30 2022 36"	17mmT4	(IV 1 p),MB,ML,NICE IN FOV,~30*S SIM MAG,LOOSELY SC,LTL CL,(4:09am),R=PF
BERK 87		Open Cluster III 2 m
May 30 2022 36"	17mmT4	(IV 2 p),MB,ML,NICE IN FOV,~20*S,SC,VAR MAG,LTL CL,(4:22am),R=F
BERK 90		Open Cluster II 1 p n
Jun 24 2022 36"	17mmT4	(ii 2 P),MB,ML,NEB DET OUTSIDE CL,CK DEET,VAR MAG *S,~20*S,(2:33am),R=P
BI 2		Open Cluster III 2 p
May 12 2021 36"	31mmT5	(III 2 p),VB,PL,NICE D* BLUE/YELLOW, IN CNTR OF 1/2 CL,~12*S VAR MAG,NOT WELL CL,(4:57am),R=F
CR 421		Open Cluster III 1 p n
May 30 2022 36"	17mmT4	(III 1 p n),EB,VL,W/OIII,NEB DET THUOT CL,~20*S SIM MAG,SC,CL,NICE IN FOV,(4:38am),R=FG
DOL 3		Open Cluster III 2 m
Oct 17 2023 12.5"	17mmT4	(IV 2 n),MF,ML,~20*S LOOSLY SC,MOT MUCH CL,~ SAME MAG *S,JUST NE OF 29 Cyg,R=F
DOL 8		Open Cluster I 2 p n
Sep 11 2004 31"	17mmT4	PB,ML,~15*S,LOOSELY SC,NICE IN FOV,ON EDGE OF 6914A,R=F
DOL 9		Open Cluster IV 2 p n
Jun 24 2022 36"	17mmT4	(IV 2 p n),VB,ML,NICE IN FOV,NEB IN E PART/EDGE,LOOSELY SC,VAR MAG *S,~10*S,(2:23am),r=p
DWB 111		Brn Nebula E
Jun 23 2022 36"	31mmT5	(Lb 3),DIF,EF,EL,LOC WITH RA/DEC,OIII DOESNOT HELP,CAN JUST BARELY MAKE OUT F NEB.FOLLOW PROPELLER SHAPE,FILLS FOV,(3:18am),R=P
HENIZ 2-438		Planetary Neb 4
Sep 02 2008 31"	12mmT4	VB,VS,R,INNER CORE RING REDDISH,CNTR* 12TH MAG,F NEB SUR CNTR*,OIII NO HELP,R=F
Sep 02 2008 31"	17mmT4	VB,VS,R,INNER CORE RING REDDISH,CNTR* 12TH MAG,F NEB SUR CNTR*,OIII NO HELP,R=F

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HENIZ 2-450		Planetary Neb 1	
Jun 19 2004 31"	17mmT4	PF,ES,WITH OIII,ALM *,SMWHT BLUE,R=F	
HU 1-2		Planetary Neb 2	
Sep 02 2008 31"	17mmT4	MB,MS,HOUR GLS SHAPE,F NEB ARND,BLUEISH,NO CNTR*,OIII HELPS LTTL,MORE NEB DET,R=F	
IC 1301		Galaxy Scd:	
May 16 2004 31"	17mmT4	VF,VS,PATCH,UB,NND,R=P	
IC 1302		Galaxy SAB(s)c?	
Sep 11 2004 31"	17mmT4	PF,MS,OVAL,PATCH,FSNUC,BET *S ON BOTH SIDES,R=G	
May 16 2004 31"	17mmT4	PF,VS,PATCH,UB,NND,CLOSE TO F*,R=P	
IC 1303		Galaxy SAc:	
Sep 11 2004 31"	17mmT4	PF,MS,OVAL,UB,4F*S IN A LINE IN GLXY,5 *S TOTAL,R=F	
IC 1311		Open Cluster I 1 r n	
Sep 11 2004 31"	25mm	PF,VL,NICE IN FOV,~10*S,SAME MAG,FEW B*S IN FOV,R=G	
IC 1318		Brn Nebula E	
Sep 06 2023 36"	17mmT4	(Lb 2),DIF,PB,VL,(SECOND PART),BKN IN 2 L PARTS,FITS FOV NICELY,NEB EASILY DET,V RICH * FOV,OIII DOES NOT HELP,EDGES NOT DEF,B347 DET EASILY,(9:40PM),R=EE	
Sep 06 2023 12.5"	31mmT5	(Lb 2),DIF,PB,EL,(FIRST PART),NEB EASILY DET,MORE NEB ARND *S,DARK AREAS BET PATCHES,SCAN AREA,NEB FADES,Oiii DOES NOT HELP,(9:00pm),R=EE	
Sep 11 2004 31"	25mm	VDIF,VF,EL,W/OIII,SVRL FOV'S,SCAN AREA,NEB DET,R=F	
IC 1369		Open Cluster II 2 m	
Jun 24 2022 36"	17mmT4	(II 2 m),MB,ML,~50*S,CL DET AM BG *S,FITS NICE IN FOV,*S SMWHT SIM MAG,(2:52am),R=F	
Sep 18 2004 31"	25mm	MB,ML,~30*S,WELL PLACED,CL WELL,~SAME MAG,R=G	
IC 1392		Galaxy S0-:	
Sep 18 2004 31"	17mmT4	MB,ML,EL,BLNUC,BET *S,SLT BM,MHISB CNTR,PAIR=PGC,R=G	
IC 4867		Galaxy S0	
May 16 2004 31"	17mmT4	MF,MS,OVAL,BSNUC,PAIRS=6783/OTHERS,R=G	
Jun 21 2003 12.5"	9mmT6	MB,PS,R,BNUC,MHISB,BLNUC,GBMB,COMP=PGC63211,R=G	
IC 4996		Open Cluster II 3 p n	APPROX 15 STARS
May 30 2022 36"	17mmT4	(II 3 p),MB,ML,NICE FOV,~20*S,CL WELL, VAR MAG'S,(3:48am),R-F	
Jun 23 2003 12.5"	9mmT6	EB,PL,~20*,3B*S IN CNTR WITH FTR *S,VAR MAG,R=G	
IC 5067		Brn Nebula EN	
Sep 06 2023 12.5"	31mmT5	(Lb 1),DIF,VB,EEL,2-3 FOV'S,SCAN REVEALS VAR PATCHES OF FINE NEB,BKN PARTS,BTR PARTS CONC TO B *S,W/OIII,NEB EASIER TO DET,FTR PATCHES ISOLATED IN AREAS,F SOFT PATCHES,(11:30pm),R=E	
Sep 19 2012 36"	31mmT5	VB,W/OIII,LOC NEXT TO NA NEB,RICH * FOV'S AND NEB DETAIL,ABLE TO SLEW AND TRACE OUTLINE,GOOD CONTRAST,R=E	
Sep 18 2004 31"	25mm	EDIF,EF,EL,SVRL FOV'S,SCAN AREA,NEB PATCHES DET,R=P	

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IC 5068		Brт Nebula E	
Sep 06 2023 12.5"	31mmT5	(Lb 1),DIF,PB,VL,GRAN NEB ARND B **S,NICE FOV,PATCHY BKN NEB,FADES AWAY,OIII NO GOOD,PAIR=IC5068B,(11:06pm),R=G	
Sep 18 2004 31"	25mm	VDIF,EF,EL,SVRL FOV'S,SCAN AREA,VF NEB PATCHES DET,R=P	
IC 5068B		Brт Nebula E	
Sep 06 2023 12.5"	31mmT5	(Lb 1),DIF,PB,VL,GRAN NEB ARND B **S,NICE FOV,PATCHY BKN NEB,FADES AWAY,OIII NO GOOD,PAIR=IC5068,(11:09pm),R=G	
IC 5076		Brт Nebula E	
Sep 18 2004 31"	25mm	DIF,W/OIII,MF,PL,SHISB,NEB EASILY DET SUR B*,AV REVEALS MORE NEB,R=G	
IC 5117		Planetary Neb 2	
Sep 02 2008 31"	17mmT4	MB,VS,R,UB,BLUEISH BALL,CLOSE TO *,OIII HELPS LTTL,F NEB DET ARND BALL,NO CNTR*,R=F	
Sep 18 2004 31"	17mmT4	MB,VS,R,HISB,W/OIII,* CLOSE BY,B BLUE,VS DISC,F NEB DET WITH AV,R=F	
IC 5146		Brт Nebula E	
Sep 06 2023 12.5"	17mmT4	(Lb 2),DIF,PF,MS,F NEB DET ARND 5-6**S,BKN,PATCHY,OIII NO GOOD,(12:06am),R=RG	
Sep 18 2004 31"	25mm	VDIF,VF,PL,HINT OF NEB DET,S CL OF ~6**S,OIII DOES NOT HELP,R=P	
KOH 4-37		Planetary Neb	
Jun 19 2004 31"	17mmT4	VDIF,EF,PS,WITH OIII,EDIF,KOHOUTEK 4-34,R=P	
KOH 4-41		Planetary Neb	
Sep 11 2004 31"	17mmT4	EF,ES,PATCH,W/OIII,JUST OUTSIDE 3 F**S,R=P	
MAC 1916+4604		Galaxy	
May 16 2004 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIRS=6783/OTHERS,R=F	
NGC 6764		Galaxy SB(s)bc	PF,PL,ME,SEVVV*INV
Jun 01 2003 12.5"	9mmT6	DIF,MF,PL,EL,PATCH,NND,R=F	
Jul 06 2002 12.5"	16mm	VDIF,PF,ML,UB,PATCHY	
NGC 6783		Galaxy C	EF,DIFFIC
May 16 2004 31"	17mmT4	MF,MS,OVAL,FLNUC,PAIRS=P63211/IC4867,MAC,R=F	
NGC 6798		Galaxy S0	F,VS,R,*VNR
Oct 12 2012 36"	17mmT4	PB,ML,OVAL BLNUC,HISB CNTR,GMBM,R=FG	
Jun 21 2003 12.5"	9mmT6	MB,MS,OVAL-R,BNUC,MHISB,GMBM,R=F	
Jul 06 2002 12.5"	16mm	EDIF,EF,PS,EL,PATCH,COMES AND GOES WITH AV,2F**S OFF ONE EDGE	
NGC 6801		Galaxy SAcd	EF,PS,R,F*S NR
Oct 12 2012 36"	17mmT4	MB,ML,OVAL,UB,NND,SHISB,F* CLOSE TO NUC AREA,R=FG	
Jun 21 2003 12.5"	9mmT6	MB,ML,OVAL,*NUC,VF* IN GLXY AND SUR GLXY,R=F	
NGC 6811		Open Cluster III 1 r	CL,L,PRI,LC,ST11..14
May 12 2021 36"	31mmT5	(II 1 r),VB,VL,ALM FILLS FOV,* SAME MAG,CL DET,NICE IN FINDER TOO!,MANY *S,(4:27am),R=FG	
Jun 06 1981 12.5"	16mm	VB,VL	

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NGC 6819		Open Cluster I 1 r	CL,VL,VRI,*11...15
May 12 2021 36"	31mmT5	(I 1 r),MB,MS,NICE FOV,SPIDER LIKE CL,*S SIM MAG,CL EASILY DET,MANY *S,(4:48am),R=FG	
Sep 04 2002 12.5"	32mm	VP,VL,NICELY PLACED,~50*S,*S SIMUAR MAG	
NGC 6824		H878-2 Galaxy SA(s)b:	PB,IF,BM
Oct 12 2012 36"	17mmT4	MB,ML,OVAL,LNUC,MHISB,VF* OUTER EDGE IN GLXY,GRADUALLY BIN CNTR,R=FG	
Jun 21 2003 12.5"	9mmT6	VB,VL,BNUC,VHISB,F* OFF TO EDGE,BLNUC,GMBM,R=E	
Jul 06 2002 12.5"	16mm	DIF,PF,MS,OVAL PATCH,UB,12MAG * CLOSE BY	
NGC 6826		H73-4 Planetary Neb 3a+2	PLN,B,PL,R,*11M
Sep 02 2008 31"	17mmT4	VB,VL,R,GREENISH TECTURE B BALL,CNTR* 10TH MAG,OIII NOT MUCH HELP,R=E	
Jul 24 1981 12.5"	16mm	GREENISH,BLINKING PLANTARY,CNTR* EASILY BLINKS WHEN LOOKING AT CNTR	
Jul 24 1981 12.5"	7mm	CNTR * NO LONGER BLINKS	
Jun 20 1980 12.5"	9mm	B CNTR * EASILY SEEN	
Jun 17 1980 12.5"	16mm	GREAT,GREENISH BLUE COLOR,USE BARLOW AND 16MM	
NGC 6833		Planetary Neb 2	PLN,STELLAR
Sep 02 2008 31"	17mmT4	MB,ES,R,GREENISH-BLUEISH,OIII NOT MUCH HELP,NO CNTR*,BM,BARELY DET IN FOV,R=P	
Sep 11 2004 31"	17mmT4	VB,PS,R,HISB,W/OIII,B BLUE BALL,F OUTER HALO DET,R=G	
NGC 6834		H16-8 Open Cluster II 2 m	CL,P,LC,*11...12
Sep 19 1984 12.5"	16mm	SAME,MB,MS,L DARK NEB N SVRL DEGREES,STANDS OUT WELL	
Jul 30 1981 12.5"	24mm	MB,ML,EASILY DET,B* IN CNTR,S CL TO N SIDE	
NGC 6846		Open Cluster II 2	EF,VS,3*INV
Sep 11 2004 31"	17mmT4	PF,MS,~50*S,NICE IN 17MM,VAR MAG,BG GLOW,R=G	
NGC 6857		H144-3 Brt Nebula III	F,AM MILKY WAY ST
Jul 24 1981 12.5"	12mm	DIF,3 OR 4 F*S IN NEB,PATCHY	
NGC 6866		H59-7 Open Cluster II 2 r	CL,L,VRI,CC
Jun 06 1981 12.5"	16mm	MB,MS	
NGC 6871		Open Cluster II 2 p n	CL,ST L\$,D*INV
May 12 2021 36"	31mmT5	(II 2 p n),EB,EL,FILLS FOV,NEB DET ALM B*S,~10-15*S VAR MAG,SOME CL,W/OIII, MORE NEB,(4:52am),R=F	
Sep 11 2004 31"	25mm	VB,EL,~20*S,LOOSELY SC,VAR MAG,R=F	
NGC 6874		H86-8 Open Cluster IV 1m n clust?	CL,P,LC
May 12 2021 36"	31mmT5	(III 1 m n),VB,EL,*S SIM MAG,LOOSELY SC,SOME CL DET,2 B* NEARBY W/NEB,(4:35am),R=F	
May 12 2021 36"	31mmT5	(CONT),W/OIII,F PATCH OF NEB DET ALM CL,NEB EASILY DET,NEARBY NEB BTR	
NGC 6881		Planetary Neb 2a+3	PLN,STELLAR
Aug 15 2009 31"	17mmT4	MF,VS,R,GREENISH,SNUC WITH THIN FT OUTER NEB,OIII,DOESNOT HELP MUCH,R=F	
Sep 18 2004 31"	17mmT4	W/OIII,VF,VS,R,FIND FIRST WITH 25MM & * HOPPING,BLUEISH,VF HALO DET,R=F	
NGC 6883		Open Cluster IV 2 m n	CL,PRI,**INV

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NGC 6883		Open Cluster IV 2 m n	CL,PRI,**INV
Jun 23 2003	12.5"	9mmT6	EB,EL,~30*,LOOSE,SC,R=F
NGC 6884		Planetary Neb 2b	PLN,STELLAR
Sep 02 2008	31"	17mmT4	MB,PS,R,UB,OIII HELPS,BLUEISH BALL,NO CNTR*,EASILY DET IN FOV,R=F
Jul 24 1981	12.5"	12mm	NOT SURE OF FIND,IN VOID BARREN * FIELD,DIF NEB SUSP
NGC 6888		H72-4	Brn Nebula E
			F,VL,VME,**ATT
Jun 23 2022	36"	31mmT5	(Lb 1DIF,EB,EL,V RICH FOV,CRESCENT EASILY DET,EPSILON SYM,3 B*S IN NEB,NICE DBL * IN NEB,B PATCHES EL,W/OIII,EXCEL,FILLIMENTS,DUST,HINTS OF COLOR,HISB AREAS,MUCH DET,(3:04am),R=GE
Sep 19 2012	36"	31mmT5	VB,W/OIII,WELL PLACED IN FOV,2 DISTINCT HALVES,ONE BTR THAN OTHER,L LOBS,E DETAIL,AMAZING,R=EE
Sep 04 2002	12.5"	25mm	PB,PL,B NEB,2B*S WITH GLOW OF NEB BET AND SUR *S
Sep 04 2002	12.5"	32mm	NEB EASILY DET
NGC 6894		H13-4	Planetary Neb 4+2
			RINGNEB,F,S,VVLE
Aug 15 2009	31"	17mmT4	MB,ML,OVAL,NO CNTR*,VF* IN EDGE OF RING,MINI M57,OIII,MORE NEB,EDGES FRAILED,R=E
Sep 04 2002	12.5"	9mmT6	MF,PS,UB,OVAL,CNTR RGN DARK PATCH,ONE SIDE SLT BTR
NGC 6910		H56-8	Open Cluster I 3 m n
			CL,PB,PS,P,PC,*20.12
May 30 2022	36"	17mmT4	(I 3 p n),EB,VL,F NEB AM BTR *S,~20*S,VAR MAG,SC,CL DET,W/OIII,NEB DET THROT CL,(4:30am),R=FG
Aug 13 1982	12.5"	24mm	V LOOSE,~20 *S,PB,PL
NGC 6913	M29		Open Cluster II 3 m n
			CL,P,LC,STL\$\$
Mar 22 2004	12.5"	12mmT4	MESSIER MARATHON 2004
Jun 23 2003	12.5"	9mmT6	EB,EL,~50*,VAR MAG,WELL PLACED IN 9MM,R=G
Jul 24 1981	12.5"	16mm	MB,ML
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981
Jul 05 1980	12.5"	24mm	
Jun 20 1980	12.5"	24mm	
NGC 6914		Brn Nebula R	VF,VL,IR,DIF,2*ATT P
Sep 11 2004	31"	17mmT4	DIF,PF,VL,B NEB,AREAS OF NEB DET,BTR W/O OIII,PAIRS=6914A,6914B,DOL8,R=G
NGC 6914A		Brn Nebula R	
Sep 11 2004	31"	17mmT4	DIF,PF,ML,B NEB,BTR W/O OIII,LESS NEB THEN OTHER PAIRS,R=F
NGC 6914B		Brn Nebula R	
Sep 11 2004	31"	17mmT4	DIF,PF,VL,B NEB,AREAS OF NEB DET,BTR W/O OIII,PAIRS=6914,6914A,DOL8,R=G
NGC 6916		Galaxy SBbc	EEF,PS,F*NR P,VDIFFI
Oct 12 2012	36"	17mmT4	MF,ML,OVAL,VSFT NUC,F* IN PLAIN OF GLXY,R=F
Jun 22 2003	12.5"	9mmT6	VDIF,VF,PS,PATCH,UB,NND,AV COMES AND GOES,2F*S IN GLXY,R=P
NGC 6960		H15-5	Brn Nebula E
			PB,CL,EIF,KAPPACYGIN
Sep 06 2023	12.5"	31mmT5	(Lb 1),DIF,VB,EEL,W VEIL SNR,SEE 31" DESC PREVIOUSLY,SVRL FOV'S,FINE WISPS,FILAMENTS,W/OIII,AWESOME,MORE NEB DET,SOFT EDGES,SMWHT BG COLOR,DARK

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NGC 6960		H15-5	Brт Nebula E	PB,CL,EIF,KAPPACYGIN
Sep 26 2019 36"	17mmT4	W/OIII,EB,EEL,HISB,5 FOV'S,START AT E MOST PART,NEON LIGHT LIKE,STRANDS,EDGES VB,TWISTED ROPE,BEST TO DATE,VIEWED THE OTHER NON-IDENTIFIED AREAS LISTED IN MEGASTAR,SOME WERE VF AND S BUT DET,SOME VB AND VL,HISB,R=EEE		
Sep 04 2002 12.5"	32mm	PB,EL,SNR,WHIPS ON BOTH SIDES OF B* EASILY DET,PARTS OF SNR HAVE HISB		
NGC 6974			Brт Nebula E	
Sep 06 2023 12.5"	31mmT5	(Lb 2),DIF,MB,ML,Pickering's Triangular Wisp,DET IN OIII ONLY,SMWHT ELONG TRI SHAPE,SLT W&S OF N6979,(11:20pm),R=GE		
NGC 6979		H206-2	Brт Nebula EN	NEB*,NEBY CE PF
Sep 06 2023 12.5"	31mmT5	(Lb 2),DIF,VF,ML,FITS IN FOV,V RICH * FOV,SLT DET OF NEB,W/OIII FT NEB DET,OUTLINE MATCHES MEGASTAR,(11:17pm),R=FG		
Sep 26 2019 36"	17mmT4	W/OIII,VB,VL,HISB,2-3 FOV'S,NOT AS STRING LIKE AS VEAL,NO NEON FILIMENTS,CHUNKY,PATCHY WITH HISB PARTS,R=EEE		
Sep 11 2004 31"	17mmT4	EDIF,VF,EL,SNR,DET NEB MORE ON N EDGE THAN S,R=F		
NGC 6991		H76-8	Open Cluster III 2 n	CL,L,P,VLC
Sep 04 2002 12.5"	32mm	VB,EL,APROX 50*S,*S SIM IN B,RICH * FIELD		
NGC 6992		H14-5	Brт Nebula E	EF,EL,EE,EIF,BIFID
Sep 06 2023 12.5"	31mmT5	(Lb 1),DIF,VF,EEL,2 FOV'S,EASTERN VIEL SNR,EASY TO FOLLOW NEB,PATCHY,WISPS,BKN AREAS,W/OIII,FTR DET DET,SEE PREVIOUS 31" DESC,(11:41pm),R=EEE		
Sep 26 2019 36"	17mmT4	W/OIII,EB,EEL,HISB,5 FOV'S,LOOKS MUCH LIKE 6960,B FILIMENTS,STRANDS,STRINGY ROPES V HISB,BNEON GLOW,R=EEEE		
Sep 04 2002 12.5"	32mm	VB,EEL,SNR,HISB,ARC GOES 2 FOV'S		
NGC 6996			Open Cluster III 2 m n	CL,P,LC
Sep 18 2004 31"	25mm	PB,PL,~25'S,SIM MAG,WELL PLACED,*S CL LOOSELY,R=G		
NGC 6997		H58-8	Open Cluster III 2 m n	CL,P,LC,ST L
Sep 04 2002 12.5"	32mm	VB,EL,~40*S VARYING IN B,WELL PLACED IN 32MM		
NGC 7000		H37-5	Brт Nebula E	F,EEL,DIF NEBULOSITY
Sep 06 2023 12.5"	31mmT5	(Lb 1),DIF,VB,EEL,3-4 FOV'S,NEB EASILY DET,GRAN PATCHES,BKN,G-Bish COLOR,GULF OF MEXICO EASILY OUTLINED,W/OIII,NEB DET IN FTR DETAIL,GULF OF MEXICO DARKER,OUTLING OF NORTH AMERICA CAN BE FOLLOWED,(11:47pm),R=EEE		
Sep 19 2012 36"	31mmT5	VB,W/OIII,ABLE TO SLEW ENTIRE OUTLINE OF NA NEB,NUMEROUS AREAS OF FINE NEB DETAIL,GULF AND S END OF MEX BEST CONTRAST,NICE D* IN MEX TIP - PINK & BLUEISH,R=EE		
Aug 13 1982 12.5"	32mm	FITS WELL IN EYEPIECE,FIRST TIME SEEN THIS WELL, IMPRESSIVE!!!		
Aug 11 1982 12.5"	32mm	EL,ONLY SERTAIN OUTLINES DET,HUNDREDS OF *S WITH COSTAL LINE EFFECT		
NGC 7008		H192-1	Planetary Neb 3	CB,L,E45,R,**ATT
Aug 15 2009 31"	17mmT4	MB,PL,PATCH,CNTR* 13TH,2 HALVES,BKN,ANOTHER 13TH * IN NEB,BLOBS BOTH ENDS,OIII,HELPS,MORE NEB,BBLOBS BOTH ENDS,CNTR* STILL VISIBLE,R=E		
Aug 11 1982 12.5"	16mm	MF,PL,BG COLOR,NW PART BTR,PATCHY-R,CNTR 14* DET,LOC E OF A FEW *S		
NGC 7013		H203-2	Galaxy SA(r)0/a	PB,CS,R,PSBM,PB*NP
Sep 18 2004 31"	17mmT4	PB,PL,EL,BLNUC,MHISB,L FARMS,HISB CNTR,VF* OFF NUC,SBM,R=G		
NGC 7024		H57-8	Open Cluster cluster?	CL,P,LC,ST10...
May 13 2021 36"	17mmT4	(IV 2 p),VB,EL,FILLS FOV,LOOSELY SC,*S VAR MAG,LTL CL DET,SCOPE UNDER MOUNT,EXT NE		

Cygnus - The Swan

NGC 7026		Planetary Neb 3a	PB,BIN,PLN
Aug 23 2009 31"	12mmT4	MF,MS,HISB,SQ SHAPE,2 BARS BOTH SIDES OF CNTR REG,NO CNTR *,NEB EXTENDS BEYOND BARS BOTH SIDES,F* OFF ONE SIDE,OIII HELPS LTL,R=E	
Jul 24 1981 12.5"	12mm	DIF THROT,9...10* W ~20 SEC,UB,EL IN SHAPE	
NGC 7027		Planetary Neb 3a	PLN,STELLAR=8.5M
Aug 23 2009 31"	12mmT4	VB,ML,HISB,B GREENISH BLUE,13TH MAG * IN NEB OFF CNTR,B NEB SUR *,NO CNTR*,IRR IN SHAPE,BKN PARTS,F NEB DET SUR BKN PARTS,OIII,HELP LTL,BLENDS BKN PARTS INTO ONE,R=E	
Jun 06 1981 12.5"	16mm	BLUE GREENISH,MB,PL	
NGC 7031		H74-8	Open Cluster III 2 m
Sep 04 2002 12.5"	32mm	PB,PL,FEW B*S WITH MANY F*S,EL IN SHAPE	CL OF TRIP ST,LC
NGC 7039		Open Cluster IV 2 m	CL,VL,PRI,E,ST,10...
Sep 18 2004 31"	25mm	VB,EL,V RICH AREA OF *S,CL LOST IN BG,R=P	
NGC 7044		H24-6	Open Cluster I 1 r
Aug 11 1982 12.5"	24mm	DIF,MF,VL,EL10-20 B*S SUR BY HUNDREDS F*S,F GLOW W/AV	CL,VF,PL,VRI,VC
NGC 7048		Planetary Neb 3b	PF,PL,DIF,IR,VLBM
Aug 23 2009 31"	12mmT4	MF,ML,OVAL,UB,3F*S IN NEB ONE SIDE,NO CNTR*,OIII,NOT UB,PATCHY,DARK AREAS,R=G	
Jun 06 1981 12.5"	16mm	GREENISH,DIF,MF,PL	
NGC 7062		H51-7	Open Cluster II 2 m
Aug 11 1982 12.5"	24mm	MB,ML,UNIFORM DIST,FEW B*S WITH F*S,R,~50*S	CL,PS,PRI,PC,ST13...
NGC 7063		Open Cluster III 1 p	CL,P,ST10...
Jun 24 2022 36"	17mmT4	(III 1 p),PB,PL,~15*S,MOSTLY, SAME MAG,FOME VF*S MIXED IN,WIDELY SC,B*S SAME MAG,SMWHT GRP,(3:13am),R=P	
Sep 18 2004 31"	25mm	PB,VL,~10*S,VAR MAG,LOOSELY SC,FILLS FOV,R=F	
NGC 7067		H50-7	Open Cluster II 1 p
Sep 04 2002 12.5"	32mm	PB,PS,~20*S,F PATCH IN CL	CL,P,(NEB)
NGC 7082		H52-7	Open Cluster IV 2 p
Sep 04 2002 12.5"	32mm	PB,VL,APROX 20-30 *S,LOC IN RICH * FIELD,DOES NOT STAND OUT WELL	CL,L,CRI,LC,ST10..13
NGC 7086		H32-6	Open Cluster II 2 m
Aug 11 1982 12.5"	24mm	MB,PL,~80*S,SMWHT DIVIDED IN CNTR,9...11 MAG *S	CL,CL,VRI,PC,*11..16
NGC 7092	M39	Open Cluster III 2 m	CL,VL,VP,VLC,*7...10
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jun 17 1980 12.5"	24mm		
NGC 7116		Galaxy S?	VF,PL,ME
Sep 18 2004 31"	17mmT4	MF,ML,EL,UB,NND,VF* IN TIP,SHISB,R=G	

Cygnus - The Swan

NGC 7127		Open Cluster IV 1 p	CL,S,P,LC
Sep 18 2004 31"	17mmT4	PB,ML,~10*S,SIM IN MAG,LOOSELY SC,NICE IN 17MM,R=F	
NGC 7128		H40-7	Open Cluster I 3 m
Aug 11 1982 12.5"	24mm	MB,PS,5 OR 6 B*S SUR FTR *S,STANDS OUT WELL,~40 *S	CL,S,PRI,HASARUBY*9
PGC 63211		Galaxy S	
May 16 2004 31"	17mmT4	EF,ES,PATCH,NND,SUSP,LOC GOOD,PAIRS=6783/OTHERS,R=P	
Jun 21 2003 12.5"	9mmT6	VDIF,EF,MS,PATCH,UB,COMP=IC4867,AV,R=P	
PGC 63299		Galaxy Scd:	
Sep 11 2004 31"	17mmT4	DIF,VF,MS,OVAL,UB,NND,2 VF*S IN GLXY	
PGC 67025		Galaxy S0	
Sep 18 2004 31"	17mmT4	MF,MS,EL,PATCH,* IN EDGE,SMWHT BM,PAIR=IC1392,R=F	
SH1 89		Planetary Neb 3a	
Sep 02 2008 31"	17mmT4	EDIF,EF,MS,OVAL,UB,* HOP,BARELY VIS W/AV,OIII HELPS GREATLY,NEB DET,NO CNTR*,R=P	
SH2 104		Brn Nebula E	
Sep 06 2023 36"	12mmT4	(Lb 2),DIF,PB,MS,GRAN NEB,EDGES NOT DEF,FADES OFF,(10:30pm),R=G	
SH2 115		Brn Nebula E	
Sep 06 2023 36"	12mmT4	(Lb 2),DIF,KPB,VL,2 DET AREAS OF NEB,BTEST ARND BTR *,GRAN,BKN,FADES,OIII NO GOOD,BERK 90 ASSOC,(10:41pm),R=GE	

Delphinus - The Dolphin

FR 1		Open Cluster Asterism	
May 30 2022 36"	31mmT5	(IV 3 p),EB,EL,FITS IN 31MM FOV,~20"S,NGC 7025 IN CL,LOOSELY SC,VAR MAG'S,(3:27am),R=F	
IC 1320		Galaxy SB(s)b?	
Sep 10 2004 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,R=F	
IC 1359		Galaxy S?	
Sep 10 2004 31"	17mmT4	MF,ML,EDGE ON,BLNUC,TAPERED,SUDLY HISB CNTR,TIGHT BM,R=F	
IC 5080		Galaxy	
Sep 10 2004 31"	17mmT4	MF,MS,R,FLNUC,R=F	
MAC 2026+0240		Galaxy	
Sep 10 2004 31"	17mmT4	DIF,VF,VS,PATCH,UB,PAIRS=PGC64696,PGC64694,R=P	
MAC 2032+0952		Galaxy	
Sep 10 2004 31"	17mmT4	DIF,VF,VS,R,PATCH,UB,EXTENSION OF NGC6930,CLOSE COMP,R=P	
MAC 2033+0951		Galaxy	
Sep 10 2004 31"	17mmT4	VF,VS,R,PATCH,UB,MANY OTHER PAIRS,R=P	
MAC 2101+1608		Galaxy	
Jul 01 2019 36"	17mmT4	VF,ES,PATCH,UB,NND,PAIR=PGC 65908,R=P	
MAC 2102+1913		Galaxy	
Sep 10 2004 31"	17mmT4	VDIF,EF,ES,R,ALM * OR *NUC,PAIR=PGC65971,R=P	
NGC 6891		Planetary Neb 2a+2b	PLN,STELLAR=9.5M
Aug 15 2009 31"	17mmT4	VB,ML,R,BNUC,CNTR* 13TH,GMBM,BLUEISH,NEB AR CNTR*,OIII,NEB BTR,NO CNTR*,BLUEISH,R=E	
Jul 08 1983 12.5"	12mm	MB,VS,BNUC,BLUEISH,VR,BM,APPEARS AS A *,NEB COMES OUT WITH AV	
Jul 30 1981 12.5"	12mm	R,GMBM,SM,GREENISH BLUE	
NGC 6905		H16-4	Planetary Neb 3+3
Aug 15 2009 31"	17mmT4	PB,ML,OVAL,CNTR* 14TH,PATCHY AREAS,GREENISH,ONE SIDE BTR THAN OTHER,OIII,HELPS, MORE PATCHY AREAS,ENDS BKN,R=E	PLN,B,PS,R,4S*NR
Jul 08 1983 12.5"	12mm	MF,PS,R,TRI OF *S SUR OBJ,OUTER EDGES FTR THAN CNTR	
Jul 30 1981 12.5"	12mm	BLUEISH GREEN COLOR,R,EDGES WELL DEF,CNTR * VF,UB	
NGC 6917		Galaxy S	VF,S,ATT TO A S*
Jul 31 2002 12.5"	12mm	EDIF,VF,MS,OVAL PATCH,UB,VF* EDGE OF GLXY	
NGC 6927		Galaxy S0: sp	EF,LE
Sep 10 2004 31"	17mmT4	MF,MS,OVAL,PATCH,FNUC,MANY OTHERS PRESENT,R=F	
Jul 31 2002 12.5"	12mm	EDIF,EF,ES,PATCH,AMONG GRP OF F*S	
Jul 08 1983 12.5"	12mm	EDIF,VS,ES,SLT ELDNUC,SBM,PAIR/6930/6928,ALL 3 IN LINE E-W	
NGC 6927A		Galaxy E6:	

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NGC 6927A		Galaxy E6:	
Sep 10 2004 31"	17mmT4	DIF,VF,VS,PATCH,UB,MANY OTHERS PRESENT,R=P	
NGC 6928		Galaxy SB(s)ab	PB,PL,ME
Sep 10 2004 31"	17mmT4	PB,VL,EDGE ON,BLNUC,HISB,F* OFF NUC SIDE,L CNTR BULGE,MANY PAIRS,R=G	
Jul 31 2002 12.5"	12mm	SAME	
Jul 08 1983 12.5"	12mm	MF,PS,EL,PAIR/6927/6930,BOF 3,NND,PATCH,ONE SIDE THICKER	
NGC 6930		Galaxy SB(s)ab? sp	F,ME
Sep 10 2004 31"	17mmT4	PB,VL,EDGE ON,UB,THIN STRIP,SOME PATCH AREAS,S CNTR BULGE,MANY PAIRS,R=G	
Jul 31 2002 12.5"	12mm	EDIF,EF,MS,EL,PATCHY,F* TO ONE SIDE,UB	
Jul 08 1983 12.5"	12mm	MF,ES,PAIR/6927/6928,R,BM,STELL,2F*S SUR OBJ	
NGC 6933		Unknown	PB,VS,6934 F
Jul 01 2019 36"	17mmT4	VF,DBL * CANNOT SEP,TOO CLOSE,*,SMWHT EL,R=P	
NGC 6934		H103-1	Globular VIII
Jul 01 2019 36"	17mmT4	(Class VI),PB,PL,BNUC,OUTER & CORE **S RSLV,MORE F*S DET LONGER VIEWED,R=E	GCL,B,L,R,RRR,*16...
Aug 20 2003 31"	25mm	VB,VL,RSLV TO CORE,HUNDRED'S OF **S,MANY **S DET IN CORE,R=E	
Jul 31 2002 12.5"	12mm	SAME	
Jul 08 1983 12.5"	12mm	MB,MS,BNUC,B* TO W,RSLV OUTER **S,GBM	
Jul 30 1981 12.5"	16mm	DNUC,GMBM,SOFT HALO OF **S RSLV,R	
Jul 11 1980 12.5"	24mm		
Jun 20 1980 12.5"	24mm		
Jun 18 1980 12.5"	24mm		
Jun 17 1980 12.5"	24mm		
NGC 6944		Galaxy S0-:	PF,S,R
Jul 31 2002 12.5"	12mm	EDIF,EF,VS,R,PATCH,UB,COMP 6944A	
Jul 08 1983 12.5"	12mm	EDIF,EF,ES,DNUC,R,BM,B* TO N,COMP SUSP,EF,ES	
NGC 6944A		Galaxy SB(rs)d pec:	
Jul 31 2002 12.5"	12mm	EEDIF,EEF,VS,PATCH WITH AV,LOC GOOD,COMP 6944	
NGC 6950		H23-8	Open Cluster cluster?
Jul 31 2002 12.5"	24mm	PB,VL,L LOOSE SC,~20*S	CL,P,VLC
NGC 6954		Galaxy SA0+?	F,S,VLE
Jul 08 1983 12.5"	12mm	EDIF,VF,VS,F*W 1 GLXY DIA,PATCH,NND	
NGC 6955		Galaxy SAB(r)bc	EF,PL,R
Aug 03 2002 12.5"	12mm	EDIF,EF,PS,IN BARREN * FIELD,OVAL,PATCHY,UB	
NGC 6956		H219-3	Galaxy SBb
Sep 19 2012 36"	17mmT4	MB,MS,OVAL,BSNUC,GMBM,MHISB CNTR,BAR,2 SPR ARMS OFF ENDS OF BAR,* CLOSE TO NUC,R=FG	VF,S,STELL,**ATT
Jul 31 2002 12.5"	12mm	SAME,WISPY,SLT ,EL	

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NGC 6956		H219-3	Galaxy SBb	VF,S,STELL,**ATT
Jul 30 2002	12.5"	12mm	SAME	
Jul 08 1983	12.5"	12mm	DIF,MF,MS,FACE ON,B* IN GLXY,MHISB,DARK PATCHES SUSP,VF*E EDGE	
NGC 6957			Galaxy Scd?	VF,S,R
Aug 03 2002	12.5"	12mm	EEDIF,EF,ES,COMES AND GOES WITH AV,PATCH	
NGC 6969			Galaxy Sa	F,PL,E
Jul 31 2002	12.5"	12mm	DIF,VF,PS,OVAL,PATCH,UB,KEEP B* OUT OF FIELD,SLT ,EL	
NGC 6971			Galaxy Sb	VF,S,R
Jul 31 2002	12.5"	12mm	EEDIF,EEF,ES,LIMIT OF VISIBILITY,AV,LOC GOOD	
NGC 6972			Galaxy S0/a	F,S,R
Jul 31 2002	12.5"	12mm	DIF,PATCHY OVAL,UB,NND,PAIR WITH 2 OTHER PGC GLXY	
Jul 08 1983	12.5"	12mm	EEDIF,EF,ES,2F*S CLOSE BY,SUSP WITH AV	
NGC 6988			Galaxy	EF,PL,R
Aug 03 2002	12.5"	12mm	EEDIF,EF,PS,PATCH,F* ON EDGE OF GLXY,OVAL	
NGC 7003			Galaxy Sbc	VF,VS,LE,*15CLOSE F
Jul 31 2002	12.5"	12mm	SAME	
Jul 08 1983	12.5"	12mm	DIF,EF,MS,VF* N TIP,OVAL,NND,UB	
NGC 7006			H52-1	Globular I
Jul 01 2019	36"	17mmT4	(Class III),PB,ML,OUTER *S RSLV,L MHISB CORE,PAIR=PGC 65907,R=G	B,PL,R,GBM
Jul 31 2002	12.5"	12mm	SAME	
Jul 08 1983	12.5"	12mm	DIF,MF,MS,FNUC,R,SBM,SOFT GLOW	
Jul 30 1981	12.5"	24mm	BNUC,NO *S IN HALO SEEN,R,S VDIF	
NGC 7025			Galaxy Sa	VF,VS,R,STELL
May 30 2022	36"	17mmT4	MB,MS,OVAL,LBNUC,MHISP,IN FRENCH 1 OL,R=FG	
Jul 31 2002	12.5"	12mm	SAME	
Jul 08 1983	12.5"	12mm	DIF,VF,ES,CLOSE * TO W,FTR * TO E,MHISB,NND,SBM,R	
PGC 64694			Galaxy S0?	
Sep 10 2004	31"	17mmT4	MF,VS,OVAL,FSNUC,SBM,PAIRS=PGC64696,MAC,R=F	
PGC 64696			Galaxy SA(s)bc:	
Sep 10 2004	31"	17mmT4	PF,PL,OVAL,PATCH,BU,FNUC,BAR LIKE FNUC,F* OFF ONE EDGE,PAIRS=PGC64694,MAC,R=F	
PGC 64916			Galaxy S0	
Oct 24 2003	31"	17mmT4	VB,VL,EL,BLNUC,HISB,R=G	
PGC 65252			Galaxy	
Aug 20 2003	31"	25mm	PF,MS,PATCH,UB,NND,SBM,NICE DBL * TO S,R=F	

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PGC 65281		Galaxy S?
Sep 19 2012 36"	17mmT4	MF,PS,EL-OVAL,UB,NND,MHISB,VF* OFF ONE TIP,PAIR=PGC65293,R=F
Jul 30 2002 12.5"	12mm	EDIF,VF,VS,BNUC,*NUC,S OVAL PATCH,GMBM
PGC 65293		Galaxy SB(r)a
Sep 19 2012 36"	17mmT4	MF,PS,EL,FLNUC,PAIRPGC65281,R=F
PGC 65383		Galaxy
Aug 20 2003 31"	25mm	VF,MS,PATCH,UB,NND,VF* ON EDGE,R=P
PGC 65405		Galaxy
Aug 20 2003 31"	25mm	MF,PS,EL,PATCH,VFNUC,F HISB,SBM,R=F
PGC 65416		Galaxy Double System
Aug 20 2003 31"	25mm	DIF,MF,ML,PATCH,UB,NND,B* IN GLXY,R=F
PGC 65438		Galaxy
Aug 20 2003 31"	25mm	DIF,VF,PS,PATCH,UB,NND,R=P
PGC 65460		Galaxy S R
Aug 20 2003 31"	25mm	PF,VS,PATCH,UB,NND,SHISB,R=F
PGC 65466		Galaxy SBb:
Aug 20 2003 31"	25mm	PB,ML,PATCH,UB,SHISB,3*S IN TRI INSIDE GLXY,STR WHERE 2*S ARE,SB OTHER SIDE,R=F
PGC 65482		Galaxy
Jul 31 2002 12.5"	12mm	EEEDIF,EF,VS,PATCH WITH AV,LOC GOOD
PGC 65510		Galaxy SB
Jul 31 2002 12.5"	12mm	EEDIF,EF,ES,SUSP ONLY,LOC IN BARREN FIELD
PGC 65513		Galaxy
Aug 20 2003 31"	9mmT6	VDIF,EF,PS,PATCH,UB,NND,AV FIRST THEN HOLDS,R=P
PGC 65528		Galaxy
Aug 20 2003 31"	25mm	MV,PS,OVAL,PATCH,FNUC,R=P
PGC 65720		Galaxy C
Aug 20 2003 31"	25mm	VF,PS,PATCH,FNUC,COMP=PGC65721,R=P
PGC 65721		Galaxy
Aug 20 2003 31"	25mm	VF,PS,EL,PATCH,UB,COMP=PGC65720,R=F
PGC 65841		Galaxy SBb
Aug 20 2003 31"	25mm	PF,PL,PATCH,FNUC,SHISB,BAR SUSP,R=F
PGC 65907		Galaxy S

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PGC 65907

Jul 01 2019 36" 17mmT4 VF,VS,PATCH,*NUC,PAIR=NGC7006,R=P

Galaxy S**PGC 65908**

Jul 01 2019 36" 17mmT4 DIF,VF,WS,PATCH,UB,NND,PAIR=MAC,R=P

Galaxy Sa?**PGC 65971**

Sep 10 2004 31" 17mmT4 VF,VS,R,FSNUC,PAIR=MAC,IC5081 APPEARS TO EXIST BUT DOESNOT,R=F

Galaxy

Dorado - The Goldfish

NGC 1972

Dec 21 1981 12.5" 32mm PF,PS,R,UB

Open Cluster**6TH OF 7,D,A VSNEBNP****NGC 2193**

Oct 05 2002 12.5" 25mm PB,PL,~50"S SAME MAG,WELL PLACED IN 25MM

Open Cluster**F,IF,GLBM,2OR3*INV**

Oct 05 2002 12.5" 9mmT6 RSLV INDIVIDUAL *S

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AR	37		Open Cluster	EF,S,PLACEDOUBTFUL
Mar 25 2020	36"	17mmT4	SWEEPED AREA, LOOSE SC FIELD **S, ~15, NO CL, R=P	
IC	836		Galaxy S	
Feb 23 2006	31"	17mmT4	MF, MS, EL, FSNUC, F* OFF NUC, * OFF TIP, SHISB, TAPERED ENDS, R=G	
IC	1049		Galaxy SBa	
Apr 14 2004	31"	17mmT4	PF, PS, OVAL, FSNUC, R=F	
IC	1065		Galaxy SB0	
Apr 14 2004	31"	17mmT4	MF, PS, OVAL, FLNUC, SHISB, R=F	
IC	1099		Galaxy SAB(r)c:	
Apr 23 2003	12.5"	9mmT6	VF, VS, PATCH, UB, NND, F* SUR GLXY, R=P	
IC	1100		Galaxy S?	VF, PS, 1E, BET 2 ST
Mar 04 2006	31"	17mmT4	MB, MS, OVAL, LNUC, GMBM, MHISB CNTR, R=G	
IC	1146		Galaxy S	
Apr 26 2006	31"	17mmT4	MF, PS, OVAL, FLNUC, PAIR=PGC56091, R=F	
Jun 01 2003	12.5"	9mmT6	DIF, PF, PS, PATCH, UB, R=P	
IC	1147		Galaxy S	
Mar 04 2006	31"	17mmT4	MB, PS, PATCH, FSNUC, R=F	
IC	1201		Galaxy Sb	
Jun 01 2003	12.5"	9mmT6	EDIF, EF, ES, SUSP, LOC GOOD, R=P	
IC	1210		Galaxy Sab	
Jun 21 2003	12.5"	9mmT6	MF, MS, EL, FSNUC, SOFT NUC, R=F	
IC	1211		Galaxy E	
Jun 22 2003	12.5"	9mmT6	MB, ML, OVAL, BNUC, LNUC AREA, R=F	
IC	1212		Galaxy	
Jun 21 2003	12.5"	9mmT6	MF, MS, R, FNUC, B* IN FOV, SNUC, PAIR=PGC57677, R=F	
IC	1214		Galaxy S0/a	
Jun 21 2003	12.5"	9mmT6	MF, MS, EL, *NUC, F* OFF NUC, F* JUST OUTSIDE OF GLXY, R=F	
IC	1215		Galaxy SB?	
Jun 21 2003	12.5"	9mmT6	PF, MS, PATCH, UB, NND, MHISB, PAIRS=IC1216/IC1218, R=F	
IC	1216		Galaxy Scd:	
Jun 21 2003	12.5"	9mmT6	DIF, VF, PS, EL, PATCH, UB, NND, PAIRS=IC1215/IC1218, R=P	
IC	1218		Galaxy S?	

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IC 1218		Galaxy S?
Jun 21 2003	12.5" 9mmT6	VF,MS,EL,UB,NND,PAIRS=IC1215/IC1216,R=F
IC 1225		Galaxy SBb?
Jun 22 2003	12.5" 9mmT6	VDIF,VF,MS,PATCH,UB,AV COMES AND GOES,R=P
IC 1228		Galaxy (R')SB(s)ab
Jun 24 2003	12.5" 9mmT6	PF,MS,PATCH,UB,NND,R=P
IC 1229		Galaxy SB
Mar 04 2006	31" 17mmT4	PF,PS,R,UB,NND,PAIRS=IC1230/PGC58901,R=F
IC 1231		Galaxy Scd:
Jun 24 2003	12.5" 9mmT6	MB,ML,EL,UB,NND,R=F
IC 1235		Galaxy S?
Jun 24 2003	12.5" 9mmT6	MF,PS,OVAL-R,UB,SHISB,R=F
IC 1237		Galaxy SB(s)c:
Jun 24 2003	12.5" 9mmT6	MF,PS,PATCH,UB,PAIR=PGC59287,R=F
IC 1241		Galaxy Sc
Jun 21 2003	12.5" 9mmT6	MF,MS,OVAL,PATCH,UB,NND,R=F
IC 1248		Galaxy SB(r)c
Jun 22 2003	12.5" 9mmT6	DIF,VF,PS,PATCH,UB,NND,R=P
IC 1251		Galaxy Scd:
Jun 22 2003	12.5" 9mmT6	VDIF,VF,PS,PATCH,AV COMES AND GOES,PAIR=6340/IC1254,R=P
IC 1254		Galaxy Sb? pec
Jun 22 2003	12.5" 9mmT6	EDIF,EF,PS,PATCH,AV COMES AND GOES,LOC GOOD,PAIR=6340/IC1251,R=P
IC 1258		Galaxy Sab?
Jun 24 2003	12.5" 9mmT6	MB,MS,OVAL,PATCH,UB,NND,PAIRS=IC1259/PGC60325/PGC60332,R=G
IC 1259		Galaxy S0 pec?
Jun 24 2003	12.5" 9mmT6	MB,MS,SHISB,V CLOSE COMP=PGC60325,OTHER PAIRS PRESENT,BOF GRP,R=G
IC 1261		Galaxy E
Jun 23 2003	12.5" 9mmT6	DIF,VF,VS,PATCH,AV,EL,COMP ATTACHED=PGC60186,R=P
IC 1267		Galaxy SBb
Jun 24 2003	12.5" 9mmT6	DIF,PF,MS,OVAL,PATCH,UB,R=P
IC 1286		Galaxy Sab
Jun 24 2003	12.5" 9mmT6	DIF,PF,MS,PATCH,UB,NND,R=F

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IC 1291		Galaxy SB(s)dm?
Mar 26 2006 31"	17mmT4	MF,PL,PATCH,PATCHY,SVRL VF*S IN GLXY,LOOKS BKN IN PIECES,PAIR=PGC62055,R=G
IC 4649		Galaxy Sa-b
Mar 04 2006 31"	17mmT4	MF,PL,PATCH,UB,NND,SHISB,F* BOTH ENDS,PAIRS=6345/6338/OTHERS,R=G
Jun 22 2003 12.5"	9mmT6	EDIF,EF,VS,PATCH,AV,SUSP,F GLOW BET 2F*S,CL 5 OF 5,R=P
IC 4669		Galaxy SB(s)b
Jun 25 2003 12.5"	9mmT6	DIF,VF,PS,PATCH,UB,NND,R=P
Jun 25 2003 12.5"	9mmT6	DIF,VF,PS,PATCH,NND,AV,R=P
IC 4677		Planetary Neb Envel. of N6543
May 19 2009 31"	17mmT4	MB,ML,UB,IRR SHAPE,NO CNTR*,OIII DOESNOT HELP,PAIR=6543,R=G
Mar 26 2006 31"	17mmT4	VDIF,VF,MS,OVAL,PATCH,NO CNTR *,W/OIII,STANDS OUT BTR,PATCHY,PAIR=6543,R=P
IC 4708		Galaxy C
Jun 24 2003 12.5"	9mmT6	VF,VS,R,UB,V CLOSE TO A F*,R=P
IC 4763		Galaxy S?
Jun 22 2003 12.5"	9mmT6	DIF,MF,PL,EL,NND,PAIR=6677/6679,R=F
Jun 01 2003 12.5"	9mmT6	VDIF,VF,VS,EL,UB,NND,PAIR/6677/6676,R=P
MAC 1028+7953		Galaxy
Feb 04 2005 31"	17mmT4	VF,PS,R,PATCH,UB,NND,PAIRS=3215/3212,R=P
MAC 1112+7257		Galaxy
Apr 03 2005 31"	17mmT4	EF,VS,PATCH,UB,NND,PAIRS=3652,PGC'S,R=P
MAC 1131+7054		Galaxy
Apr 09 2008 31"	17mmT4	VF,VS,PATCH,UB,NND,R=P
MAC 1136+7033		Galaxy
Apr 04 2005 31"	17mmT4	PF,ES,*,APPEARS AS * NEXT TO 3735,R=F
MAC 1221+7531		Galaxy
Feb 04 2005 31"	17mmT4	EF,VS,PATCH,UB,NND,PAIRS=4291/4319/PGC39763,R=P
MAC 1223+7518		Galaxy
Feb 04 2005 31"	17mmT4	DIF,EF,VS,PATCH,UB,NND,PAIR WITH 4319,R=P
MAC 1236+7415		Galaxy
Feb 23 2006 31"	17mmT4	VDIF,EF,VS,PATCH,AV,PAIR=4572,R=P
MAC 1237+7417		Galaxy
Feb 23 2006 31"	17mmT4	VF,PS,OVAL,VBSNUC,R=F
MAC 1431+5748		Galaxy

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MAC 1431+5748		Galaxy	
Apr 14 2004 31"	17mmT4	VF,VS,PATCH,VFSNUC,PAIRS=PGC51922/MAC,R=P	
MAC 1431+5800		Galaxy	
Apr 14 2004 31"	17mmT4	DIF,EF,ES,PATCH,AV,PAIRS=PGC51922/MAC,R=P	
MAC 1649+5322A		Galaxy	
Mar 26 2006 31"	17mmT4	EF,VS,PATCH,AV,MULTI GLXY,PAIRS=PGC'S,R=P	
MAC 1649+5329A		Galaxy	
Mar 26 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,MULTI GLXY,PAIRS=PGC'S,R=P	
MAC 1715+5718		Galaxy	
Mar 04 2006 31"	17mmT4	MB,PS,EL,FLNUC,PAIRS=6345/6346/PGC,R=F	
MAC 1715+5730		Galaxy	
Mar 04 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=MAC IN A TRIANGLE,R=F	
MAC 1715+5731		Galaxy	
Mar 04 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=MAC IN A TRIANGLE,R=F	
MAC 1715+5732		Galaxy	
Mar 04 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=MAC IN A TRIANGLE,R=P	
MAC 1742+6732		Galaxy	
Mar 26 2006 31"	17mmT4	PF,PS,PATCH,NND,F* OFF ONE SIDE,PAIRS=6456/MAC'S,R=P	
MAC 1742+6735		Galaxy	
Mar 26 2006 31"	17mmT4	VF,PS,EL,UB,PATCH,NND,PAIRS=6456/MAC'S,R=P	
MAC 1742+6736		Galaxy	
Mar 26 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=6456/MAC'S,R=P	
MAC 1744+6735		Galaxy	
Mar 26 2006 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,CLOSE COMP=6470/PAIRS=6472/6477/6463,R=P	
MAC 1744+6736		Galaxy	
Mar 26 2006 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,PAIRS=6472/6477/6463/6470/MAC,R=P	
MAC 1849+7319		Galaxy	
Jul 24 2006 31"	17mmT4	PF,PS,EL,PATCH,UB,NND,F* OFF ONE SIDE,R=F	
NGC 2908		H977-3	Galaxy S
Apr 14 2004 31"	17mmT4	DIF,MF,MS,R,UB,NND,F* IN GLXY,R=F	EF,VS
NGC 2938		H963-3	Galaxy SB(rs)cd
Apr 14 2004 31"	17mmT4	DIF,PF,ML,OVAL,PATCH,UB,NND,R=F	EF,S,IF,D*F3'

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NGC 2957A		Galaxy E1:	EF,*13NR
Apr 14 2004 31"	17mmT4	MF,PS,PATCH,UB,NND,INTRACT,CAN JUST BARELY SPLIT THE TWO,R=F	
NGC 2957B		Galaxy E	
Apr 14 2004 31"	17mmT4	MF,PS,PATCH,FSNUC,INTRACT,CAN JUST BARELY SPLIT THE TWO,R=F	
NGC 2963		H315-3	Galaxy SBab
Apr 14 2004 31"	17mmT4	PAIRS/2957A/2957B/PGC28177	VF,VS,R,BM
NGC 2977		H282-1	Galaxy Sb:
Apr 14 2004 31"	17mmT4	MF,ML,OVAL,PATCH,FLNUC RGN,SHISB CNTR,R=G	CB,PL,IF,
NGC 3057		H978-3	Galaxy SB(s)dm
Mar 06 2003 12.5"	9mmT6	EDIF,EF,ES,PATCH,AV,R=P	EF,PL,VLBM,2S* S
NGC 3061		H903-2	Galaxy (R')SB(rs)c
Apr 14 2004 31"	17mmT4	DIF,MF,VL,OVAL,PATCH,UB,NND,R=F	VF,PL,RESOLVABLE
NGC 3144		H964-3	Galaxy SB(s)ab pec:
Mar 06 2003 12.5"	9mmT6	DIF,VF,MS,PATCH,NND,F* OFF TO EDGE,R=P	VF,S,R,*13ATT F
NGC 3147		H79-1	Galaxy SA(rs)bc
Apr 23 2003 12.5"	9mmT6	VB,VL,OVAL,BNUC,MHISB,ARMS SUSP,B AREAS IN HALO,GMBM,R=E	VB,L,R,VGVSVMBM
Oct 22 1982 12.5"	16mm	MB,ML,BNUC,INSIDE 4*S,R,SBM,BSNUC	
NGC 3155		H965-3	Galaxy S?
Mar 06 2003 12.5"	9mmT6	DIF,PF,MS,OVAL,PATCH,AV,JUMPS OUT WITH AV THEN HOLDS,R=P	VF,S,R
NGC 3183		H283-1	Galaxy SB(s)bc:
Mar 06 2003 12.5"	9mmT6	MB,VL,EL,PATCH,NND,SHISB,MANY F*S IN GLXY,R=E	F,PL,E,LBM
NGC 3197		H966-3	Galaxy Sbc
Mar 06 2003 12.5"	9mmT6	VDIF,VF,PS,PATCH,NND,R=P	VF,VS
NGC 3212		H980-3	Galaxy SB?
Feb 04 2005 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,VF* OFF ONE EDGE,PAIR=3125/MAC,R=F	VF,S,2ND OF 3
NGC 3215		H981-3	Galaxy S?
Feb 04 2005 31"	17mmT4	PF,MS,OVAL,PATCH,UB,SMWHT BM,F* ON EDGE,PAIR=3212/MAC,R=F	VF,S,3RD OF 3
NGC 3252		H316-3	Galaxy SBd? sp
Feb 04 2005 31"	17mmT4	MF,PL,EDGE ON,PATCH,UB,NND,R=G	EF,PS,ME,R
NGC 3329		H284-1	Galaxy (R)SA(r)b:
Feb 05 2005 31"	17mmT4	PB,ML,OVAL,BLNUC,HISB CNTR,R=G	PB,S,LE,PSMBM
NGC 3343		H317-3	Galaxy E
			PF,S,R,GBM

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NGC 3343		H317-3	Galaxy E	PF,S,R,GBM
Feb 05 2005 31"	17mmT4	MF,MS,OVAL,BSNUC,GMBM,R=G		
NGC 3403		H335-2	Galaxy SAbc:	PF,L,IE,VGBM
Feb 23 2006 31"	17mmT4	PF,PL,EL,UB,NND,SHISB,D*S POINT TO GLXY,R=G		
Dec 07 2005 31"	17mmT4	MB,PL,EL,PATCH,UB,NND,SHISB,F* OFF TIP,R=G		
NGC 3465		H967-3	Galaxy Sb	EF,PL,R,VGLBM,**NF
Feb 23 2006 31"	17mmT4	MB,ML,R,FLNUC,F* OUTER EDGE,MHISB CNTR,PAIR=PGC33277,R=G		
Dec 07 2005 31"	17mmT4	MF,MS,OVAL,FSNUC,F* OFF EDGE,R=F		
Feb 05 2005 31"	17mmT4	PF,MS,OVAL,FNUC,F* OFF EDGE,R=F		
NGC 3500		H968-3	Galaxy Sb	VF\$EF,DNEB,V NEAR
Feb 23 2006 31"	17mmT4	MF,MS,EL,FLNUC,SHISB,PAIRS=3465/3523,R=F		
Apr 03 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=3528,R=P		
Feb 05 2005 31"	17mmT4	MF,PS,EL,FSNUC,R=F		
NGC 3523		H904-2	Galaxy Sbc	F,PL,LBM,
Feb 23 2006 31"	17mmT4	MB,ML,R,UB,NND,MHISB,PAIR=PGC33277,R=G		
Apr 03 2005 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,PAIR=PGC33277,R=F		
NGC 3562		H337-2	Galaxy E	PF,PS,LE,GBM,*70"NP
Apr 03 2005 31"	17mmT4	MB,PL,OVAL,BLNUC,MUCH BM,MHISB CNTR,PAIRS=PGC'S/MAC,R=F		
NGC 3682		H262-1	Galaxy SA(s)0/a:?	CB,S,IR,SPMBMN
Apr 03 2005 31"	17mmT4	PB,MS,EL,BLNUC,HISB CNTR,R=G		
NGC 3735		H287-1	Galaxy SAc: sp	PB,L,ME130,MBM
Apr 04 2005 31"	17mmT4	PB,VL,EDGE ON,BLNUC,DUST LANE,CNTR BULGE,GMBM,HISB CNTR,PAIR=MAC,R=E		
NGC 3736			Galaxy Sb	VF,VS,R
Apr 04 2005 31"	17mmT4	MF,PS,OVAL,FSNUC,VF* ON EDGE,R=F		
NGC 3747		H969-3	Galaxy	EF,S,PLACEDOUBTFUL
Mar 05 2021 36"	17mmT4	EF,ES,PATCH,AV,SUSP,LOC GOOD,CAN ONLY SUSP,R=P		
NGC 3752		H905-2	Galaxy Sab	PB,PL
Mar 05 2021 36"	17mmT4	MF,ML,EL,PATCH,UC,NND,R=F		
Apr 03 2005 31"	17mmT4	MB,ML,EL-EDGE ON,PATCH,UB,NND,R=G		
NGC 3879		H881-2	Galaxy Sdm:	F,PL,ME105
Feb 23 2006 31"	17mmT4	MF,MS,EDGE ON,UB,NND,SHISB,VF* OFF SIDE OF NUC,R=G		
NGC 3890		H940-3	Galaxy S?	VF,S,R,BM
Feb 23 2006 31"	17mmT4	PF,MS,R,BLNUC,MHISB,SUDLY MBM,LNUC AREA,R=G		
NGC 3961		H905-3	Galaxy (R)SB(r)a:	EF,VS

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NGC 3961 Feb 23 2006 31" 17mmT4	H905-3 MB,MS,R,BNUC,MUCH	Galaxy (R)SB(r)a: BM,MHISB CNTR,R=G	EF,VS
NGC 4034 Mar 06 2003 12.5" 9mmT6	H903-3 SUSP ONLY,LOC	Galaxy Scd: GOOD,R=P	EF,S,IF,GVLBM
NGC 4108 Mar 06 2003 12.5" 9mmT6		Galaxy (R')SAc: MB,PL,R,FNUC,SHISB,GSBM,PAIR/4108B/4108A,R=G	B,S,R,GBM
NGC 4108A Mar 06 2003 12.5" 9mmT6		Galaxy SBbc: EDIF,EF,ES,PATCH,AV,PAIR/4108B/4108,R=P	
NGC 4108B Mar 06 2003 12.5" 9mmT6		Galaxy SAB(s)d pec? SUSP ONLY,LOC GOOD,PAIR/4108/4108A,R=P	
NGC 4120 Mar 06 2003 12.5" 9mmT6	H904-3 DIF,PF,PS,OVAL,PATCH,*NUC,R=F	Galaxy SA(rs)cd:	EF,VS,E
NGC 4121 Mar 06 2003 12.5" 9mmT6		Galaxy E MF,VS,PATCH,*NUC,SNUC,PAIR/4125,R=F	F,VS,LE,R
NGC 4125 Mar 06 2003 12.5" 9mmT6		Galaxy E6 pec VB,PL,BNUC,HISB,GMBM,PAIR/4121,R=E	PB,PL,CE,MBM
NGC 4128 Mar 06 2003 12.5" 9mmT6	H263-1 MB,MS,EL,FNUC,BSNUC,MHISB CNTR,R=F	Galaxy SA0: sp	CB,LE,BM
NGC 4133 Mar 06 2003 12.5" 9mmT6	H278-1 DIF,R,PATCH,UB,R=F	Galaxy SABb:	PB,CL,R,GMBM
NGC 4159 Mar 06 2003 12.5" 9mmT6	H941-3 EDIF,EF,ES,AV,SUSP ONLY,LOC GOOD,R=P	Galaxy S?	EF,PS,R,TRI2*
NGC 4205 Apr 23 2003 12.5" 9mmT6		Galaxy S? PB,ML,PATCH,BNUC,MHISB,F* IN GLXY,GMBM,R=G	PB,PS,R,*12F,LN
NGC 4210 Apr 23 2003 12.5" 9mmT6	H850-3 MF,PL,OVAL-R,PATCH,MHISB,PAIR=4221/PGC39058,R=G	Galaxy SB(r)b	PF,PS,R,VGBM
NGC 4221 Apr 23 2003 12.5" 9mmT6		Galaxy (R)SB(r)0+ PB,PL,R,BNUC,MHISB,LNUC AREA,HISB CNTR,PAIR=4210/PGC39058,R=G	PB,S,R,PSBM
NGC 4236 Apr 23 2003 12.5" 9mmT6	H51-5 DIF,MF,EL-PATCH,LG,PATCHES DET,H2 RGN SUSP,R=G	Galaxy SB(s)dm	VF,EL,ME160,VGBM
NGC 4238 Apr 23 2003 12.5" 9mmT6	H851-3 DIF,PF,MS,OVAL,PATCH,UB,NND,R=P	Galaxy Sd	VF,PS,IR,VGLBM

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NGC 4250 Feb 04 2005 31"	17mmT4	H264-1 PB,ML,R,BLNUC,HISB CNTR,GMBM,R=G	Galaxy SAB(r)0+	PB,S,R,PGBM
NGC 4256 Feb 04 2005 31"	17mmT4	H846-2 PB,ML,EDGE ON,BSNUC,CNTR BULGE,HISB CNTR,BM,DUST SUSP,R=E	Galaxy SA(s)b: sp	PB,L,CE38,BMBN
NGC 4291 Feb 04 2005 31"	17mmT4	H275-1 PB,MS,OVAL,BSNUC,MHISB,2*S 90 DEG ON EDGE,PAIRS=4319/PGC39763/MAC,R=G	Galaxy E	PB,VS,R,LBM,3*F
NGC 4319 Feb 04 2005 31"	17mmT4	H276-1 PB,ML,OVAL,FSNUC,SHISB,* OFF EDGE,GMBM,PAIRS=4291/PGC39763/MAC,R=G	Galaxy SB(r)ab	PB,PS,VLE,SBM
NGC 4331 Feb 04 2005 31"	17mmT4	H942-3 PF,MS,EDGE ON,UB,NND,F* IN TIP,R=F	Galaxy Im?	EF,E0
NGC 4332 Feb 04 2005 31"	17mmT4	H847-2 MB,PL,EL-EDGE ON,BLNUC,ALM EDGE ON,MHISB CNTR,BM,R=G	Galaxy SB(s)a	PF,S,VLE,VGBM
NGC 4363 Feb 04 2005 31"	17mmT4	H938-3 PF,ML,OVAL,PATCH,UB,NND,F* OFF ONE EDGE,R=F	Galaxy SAb:	EF,PL,IF
NGC 4386 Feb 04 2005 31"	17mmT4	H277-1 PB,ML,OVAL,BLNUC,MHISB,BM,R=G	Galaxy SAB0^:	PB,CL,LE,PSMBM
NGC 4391 Feb 04 2005 31"	17mmT4	H852-3 MB,PS,OVAL,BSNUC,MHISB,R=G	Galaxy SA0-:	CF,S,R,SBM,***SP
NGC 4441 Feb 04 2005 31"	17mmT4	H848-2 MB,MS,OVAL,FLNUC,SHISB,R=G	Galaxy SAB0+ pec	PB,S,IR,BM
NGC 4481 Feb 04 2005 31"	17mmT4	H848-2 MF,PS,EDGE ON,UB,NND,SHISB,CNTR BULGE,R=G	Galaxy	PF,VS,R,*13ATT
NGC 4510 Feb 04 2005 31"	17mmT4	H848-2 MB,VS,OVAL,BSNUC,R=G	Galaxy E	CL,VS,ST F,MC
NGC 4512 Feb 04 2005 31"	17mmT4	H848-2 VDIF,EF,PL,PATCH,UB,NND,PAIR=4521,R=P	Galaxy SB(s)dm	PB,S,R,PSBM
NGC 4513 Feb 04 2005 31"	17mmT4	H848-2 MF,PS,OVAL,FSNUC,PAIRS=PGC'S,R=F	Galaxy (R)SA0^	F,R,(VS CL)
NGC 4521 Feb 04 2005 31"	17mmT4	H849-2 PB,ML,EDGE ON,BLNUC,HISB,CNTR BULGE,HISB CNTR,GMBM,PAIR=4512,R=G	Galaxy S0/a	PB,S,PME,PGBM,*P12S
NGC 4545 Feb 23 2006 31"	17mmT4	H850-2 VF,VL,OVAL-R,UB,NND,* OUTER EDGE,PATCHY AREAS DET,HISB,R=E	Galaxy SB(s)cd:	F,L,IR,VGBM,S*NIF

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NGC 4572 Feb 23 2006 31"	17mmT4	H939-3 PF,MS,EDGE ON,PATCH,UB,NND,TAPERED ENDS,CNTR BULGE,PAIR=MAC,R=F	Galaxy S	EF,S
NGC 4589 Feb 23 2006 31"	17mmT4	H273-1 EB,VL,OVAL,BLNUC,HISB,SVRL *S SUR NUC ON EDGE,SBM,R=E	Galaxy E2	CB,L,LE,PGMBM
NGC 4648 Feb 23 2006 31"	17mmT4	H274-1 PB,PL,R,BLNUC,HISB CNTR,GRADUALLY MBM,R=G	Galaxy E3	PB,CS,R,GBM,**P
NGC 4693 Feb 23 2006 31"	17mmT4	H906-3 MF,ML,EDGE ON,UB,NND,CIGAR SHAPE,R=G	Galaxy Sd	VF,PLE
NGC 4749 Feb 23 2006 31"	17mmT4	H907-3 MF,MS,EDGO ON,PATCH,UB,NND,MHISB,CIGAR SHAPE,R=G	Galaxy Sb? sp	VF,CL,E135
NGC 4750 Feb 23 2006 31"	17mmT4	H78-4 PB,PL,R,BSNUC,HISB,SUDLY MBM,DARK PATCHES,FARMS,F HALO SUR NUC,R=E	Galaxy (R)SA(rs)ab	PB,L,R,VG,VSBM
NGC 4857 Feb 23 2006 31"	17mmT4	H908-3 PF,PS,R,BLNUC,MHISB CNTR,BM,R=G	Galaxy SABb	EF,VS,IR,VLBM
NGC 4954 Apr 14 2004 31"	17mmT4	H937-3 MF,MS,OVAL,FSNUC,UNIDENTIFIED COMP CLOSE BY,R=F	Galaxy S0?	VF,S,R,VGBM
NGC 5283 Apr 03 2005 31"	17mmT4	H937-3 MF,PS,R,BSNUC,R=F	Galaxy S0?	F,S,STELLAR
NGC 5413 May 16 2004 31"	17mmT4	H937-3 MF,MS,R,FSNUC,SUDLY BM,L AREA OF ARMS,UB,R=G	Galaxy E	PF,PS,R,PSLBM,*7P37S
NGC 5667 Apr 14 2004 31"	17mmT4	H807-2 MB,ML,EL,SHISB,PATCHY AND DARK AREAS IN CNTR RGN DET,R=G	Galaxy Scd: pec	PB,PS,E0
NGC 5678 Apr 14 2004 31" Jul 22 1981 12.5"	17mmT4 16mm	H237-1 VB,VL,OVAL,SHISB,GRADUALLY BM,MHISB CNTR,PAIR=PGC51922,R=G OBLONG,SBM,DIF,DNUC,F HALO	Galaxy SAB(rs)b	B,L,LE0,VGMBM
NGC 5777 Apr 14 2004 31"	17mmT4	H806-3 MF,MS,EDGE ON,FLNUC,CNTR BULDGE,DUST SUSP,PAIR=PGC53057,R=F	Galaxy Sb	VF,VS,LE
NGC 5779 Mar 04 2006 31"	17mmT4	H806-3 MF,MS,OVAL,BLNUC,MHISB,* OFF EDGE,R=G	Galaxy S	VF,PS,LE,LBM
NGC 5807 Apr 14 2004 31"	17mmT4	H806-3 MF,MS,OVAL,FSNUC,R=F	Galaxy Compact	VF,VS,RESOLVABLE
NGC 5862			Galaxy C	EF,PS,R,VDIFFIC

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NGC 5862		Galaxy C	EF,PS,R,VDIFFIC
Apr 23 2003	12.5" 9mmT6	VDIF,VF,VS,OVAL,PATCH,NND,KEEP B* OUT OF FOV,CLOSE TO M102,R=P	
NGC 5866	M102	H215-1	Galaxy SA0+ sp
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004	VB,CL,PME146,GBM
Apr 23 2003	12.5" 9mmT6	EB,VL,OVAL,BNUC,HISB,AWSOME,BEAUTIFUL,TAPERED ENDS,LNUC AREA,GMBM,R=E	
Mar 02 1984	10" 20mm	SAME	
Jul 09 1983	12.5" 12mm	MB,ML,BNUC,2F*S ON BOTH SIDES,BLNUC,TAPERED ENDS	
Jul 22 1981	12.5" 16mm	VB,ML,EL,BNUC,B HALO SUR NUC	
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Jul 14 1980	12.5" 24mm		
Jul 11 1980	12.5" 24mm		
Jun 20 1980	12.5" 24mm		
NGC 5866B		Galaxy SAB(rs)dm:	
Apr 23 2003	12.5" 9mmT6	VDIF,VF,PL,OVAL-R,PATCH,UB,NND,R=F	
NGC 5870		Galaxy S0?	EF,PS,LE,VDIFFIC,*F
Apr 23 2003	12.5" 9mmT6	EDIF,EF,ES,OVAL,PATCH,NND,AV HOLDS,CLOSE TO M102,R=P	
NGC 5879		H757-2	Galaxy SA(rs)bc:?
Apr 23 2003	12.5" 9mmT6	EL-OVAL,BNUC,MHISB,LNUC AREA,HISB CNTR,R=G	CB,S,E,MBMRN,R
Jul 09 1983	12.5" 16mm	MB,ML,EL,BNUC,SBM,NO *S,LNUC AREA	
Jul 22 1981	12.5" 16mm	DIF,MF,ML,EL TO EDGE ON,GBM,F HALO	
NGC 5881		H818-2	Galaxy SB(s)dm
Apr 23 2003	12.5" 9mmT6	PF,PS,PATCH,UB,NND,R=F	PF,CS,R,VGBM
Apr 23 2003	12.5" 9mmT6	DIF,VF,VS,PATCH,UB,NND,R=P	
NGC 5894		H763-2	Galaxy SBdm?
Apr 23 2003	12.5" 9mmT6	PB,PL,EL-EDGE ON,UB,NND,SOME DUST SUSP,R=G	PF,PS,E0
Jul 09 1983	12.5" 16mm	EDIF,VF,MS,EDGE ON,SBM,TAPERED	
NGC 5905		H758-2	Galaxy SB(r)b
Apr 23 2003	12.5" 9mmT6	PB,PL,FNUC,MHISB,PATCH AREA DET,PAIR=5908,R=G	PF,PS,IR
Jul 09 1983	12.5" 16mm	DIF,MF,PS,EDGE ON,BNUC,PAIR/5907,BM,TAPERED ENDS,2F*S SUR GLXY	
Jul 22 1981	12.5" 16mm	PF,MS,EDGE ON,F HALO,PAIR/5908	
Jun 20 1980	12.5" 24mm		
NGC 5907		H759-2	Galaxy SA(s)c: sp
Apr 23 2003	12.5" 9mmT6	VF,VL,EDGE ON,BNUC,MHISB,BEAUTIFUL,DUST LANE,CNTR BULGE,R=E	CB,VL,VME155,VGPSBMN
Jul 09 1983	12.5" 16mm	MB,PS,EL,V EDGE ON,FNUC,PAIR/5905	
Jul 22 1981	12.5" 16mm	EXT EDGE ON,UB,EQ DUST LANE SEEN	
Mar 27 1981	12.5" 24mm		
Jul 14 1980	12.5" 24mm		
Jul 11 1980	12.5" 24mm		
Jun 20 1980	12.5" 24mm	V IMPRESSIVE,VB,EL	

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NGC 5908		H760-2	Galaxy SA(s)b: sp	PF,PS,R
Apr 23 2003	12.5" 9mmT6		PB,PL,EDGE ON,FNUC,SHISB,LNUC AREA,DARK LANE SUSP,PAIR=5905,R=G	
Jul 09 1983	12.5" 16mm		MB,PL,ELEGDE ON,BNUC,DUST LANES SUSP,TAPERED ENDS	
Jul 22 1981	12.5" 16mm		SMWHT B THAN COMP 5905,EDGE ON,DNUC,F HALO	
Jun 20 1980	12.5" 24mm			
NGC 5949		H906-2	Galaxy SA(r)bc?	F,S,LE45,VGLBM
Apr 23 2003	12.5" 9mmT6		DIF,PB,ML,PATCH,UB,NND,MHISB,R=G	
Jul 09 1983	12.5" 16mm		MB,PS,PATCH,MHISB	
Jul 22 1981	12.5" 16mm		VDIF,NO SPR STR SEEN,SBM	
NGC 5963		H761-2	Galaxy S pec	PF,PS,IF
Apr 23 2003	12.5" 9mmT6		PB,PL,OVAL,PATCH,UB,MHISB,PAIR=5965,R=G	
Jul 09 1983	12.5" 16mm		MB,PS,BNUC,F* CLOSE BY,R,SBM,PAIR/5965	
NGC 5965		H762-2	Galaxy Sb	CF,CL,LE
Apr 23 2003	12.5" 9mmT6		PB,PL,EL,PATCH,UB,NND,SHISB,PAIR=5963,R=G	
Jul 09 1983	12.5" 12mm		MHISB IN CNTR	
Jul 09 1983	12.5" 16mm		MF,PL,EDGE ON,FNUC,SBM,TAPERED ENDS,PAIR/5963	
NGC 5969			Galaxy E/S0	ES,R,STELLAR
Apr 23 2003	12.5" 9mmT6		VDIF,VF,VS,PATCH,UB,PAIR=5971,R=P	
NGC 5971			Galaxy Sa	EEF,VS,R,LBM
Apr 23 2003	12.5" 9mmT6		DIF,PF,PS,PATCH,UB,NND,PAIR=5969,R=F	
NGC 5976			Galaxy SA0:	EEF,S,R
Apr 23 2003	12.5" 9mmT6		EDIF,EF,ES,PATCH,AV,COMES AND GOES,PAIR=5981,R=P	
NGC 5981			Galaxy Sc? sp	F,ME
Apr 23 2003	12.5" 9mmT6		PB,PL,EDGE ON,PATCH,NND,CNTR BULGE,PAIR=5982/5985,R=G	
Jul 09 1983	12.5" 16mm		EDIF,VF,MS,EL,V THIN,SVRL OTHER GLXY IN FIELD	
NGC 5982		H764-2	Galaxy E3	CB,S,R,PSBM,R
Apr 23 2003	12.5" 9mmT6		VF,ML,BNUC,R,MHISB,GMBM,LNUC,PAIR=5981/5985,R=G	
Jul 09 1983	12.5" 16mm		MB,ML,BNUC,R,BM,SVRL OTHER PAIRS	
Jul 22 1981	12.5" 24mm		VMBM,F HALO,COMP CLOSE 5985	
Jul 14 1980	12.5" 24mm			
Jul 11 1980	12.5" 24mm			
Jun 20 1980	12.5" 24mm			
NGC 5985		H766-2	Galaxy SAB(r)b	PB,CL,IE,R
Apr 23 2003	12.5" 9mmT6		MB,VL,OVAL,PATCH,UB,NND,PATCHY KNTS SUSP,PAIR=5981/5982,R=G	
Jul 09 1983	12.5" 12mm		*NUC OR *,OTHERS PRESENT	
Jul 09 1983	12.5" 16mm		MF,PL,EL,UB,SPR STR SUSP,OTHER COMP	
Jul 22 1981	12.5" 16mm		DIF,R,SPR STR SUSP,OTHER GLXY PRESENT	
Jul 14 1980	12.5" 24mm			

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NGC 5985	H766-2	Galaxy SAB(r)b	PB,CL,IE,R
Jul 11 1980 12.5" 24mm			
Jun 20 1980 12.5" 24mm			
NGC 5987	H765-2	Galaxy Sb	PF,CS
Apr 23 2003 12.5" 9mmT6		PB,MS,R,BNUC,MHISB,B* CLOSE BY,LNUC,GMBM,R=G	
Jul 09 1983 12.5" 16mm		MB,PS,EL,B*W SIDE,MHISB,SBM,OTHER PAIRS PRESENT	
NGC 5989	H738-3	Galaxy Scd?	VF,VS
Jun 01 2003 12.5" 9mmT6		SAME	
Apr 23 2003 12.5" 9mmT6		DIF,MF,ML,PATCH,NND,SHISB,R=F	
Jul 09 1983 12.5" 16mm		EDIF,VF,MS,PATCH,NND,SHISB	
NGC 6015	H739-3	Galaxy SA(s)cd	VF,PL,R,VGBM
Jun 01 2003 12.5" 9mmT6		MB,VL,EL-OVAL,NND,SHISB,F*S IN TIP,CIGAR SHAPE,CNTR BULGE,R=G	
Jul 09 1983 12.5" 16mm		MB,PL,OVAL,MHISB,3F*S OFF TO N,B*NW CLOSE BY,NND	
Jul 22 1981 12.5" 16mm		DIF,OVAL,F* TO N SIDE,SPR STR SUPS,14MAG *	
Jul 14 1980 12.5" 24mm		LOOKS LIKE A S CL,~4 *S?	
Jul 11 1980 12.5" 24mm			
Jun 20 1980 12.5" 24mm			
NGC 6019		Galaxy	EEF,S,R,VDIFFIC
Mar 04 2006 31" 17mmT4		PF,PS,OVAL,PATCH,UB,NND,R=F	
NGC 6024		Galaxy S	PF,PS,R,BM,*CLOSE
Jun 01 2003 12.5" 9mmT6		VDIF,EF,VS,PATCH,CL OF F*S SUR OBJ,HINT OF GLXY PRESENT,*,R=P	
NGC 6088	H812-3	Galaxy	VF,VS,LE
Mar 04 2006 31" 17mmT4		MF,MS,OVAL,FSNUC,SHISB,CAN SEP FROM PGC'S,PAIRS=PGC'S,R=G	
NGC 6090		Galaxy S0?	VF,S,R
Jun 21 2003 12.5" 9mmT6		PF,ML,OVAL,FNUC,SHISB,LNUC AREA,2 COMP CLOSE BY,R=F	
NGC 6095		Galaxy S0-:	EF,PS,R,LINER/2*
Jun 21 2003 12.5" 9mmT6		PB,ML,OVAL,FNUC,SHISB,SOFT SNUC,2 COMP PRESENT,R=G	
NGC 6111		Galaxy E/S0	VF,PS,LE,D*NR S
Jun 21 2003 12.5" 9mmT6		PF,MS,OVAL,FSNUC,SOFT NUC,CLOSE COMP=PGC57569,R=F	
NGC 6123		Galaxy S0/a	PF,VS,E,*NR
Jun 22 2003 12.5" 9mmT6		MB,ML,OVAL,BNUC,SHISB,LNUC ARA,GMBM,R=F	
NGC 6127	H810-2	Galaxy E	PF,PS,R,BM
Apr 04 2005 31" 17mmT4		MF,MS,OVAL,LAGE FNUC,PAIR=PGC57915,R=F	
Jun 22 2003 12.5" 9mmT6		PB,PL,OVAL,BNUC,V HISB,LNUC GOES TO B CNTR RGN,SBM,R=G	
Jul 09 1983 12.5" 16mm		MF,MS,BNUC,R,BM	

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NGC 6130		Galaxy SBbc:	PF,PL,R,B*NR P
Jun 22 2003	12.5" 9mmT6	PF,PL,PATCH,UB,NND,B* IN FOV CLOSE BY,R=F	
NGC 6136		Galaxy Sc	EEF,S,R,VDIFFIC
Jun 22 2003	12.5" 9mmT6	VDIF,VF,MS,PATCH,NND,AV HOLDS,PAIR=PGC57907,R=P	
NGC 6140		H740-3 Galaxy SB(s)cd pec	CF,PL,IR
Jun 22 2003	12.5" 9mmT6	MB,VL,OVAL,UB,NND,R=G	
Jun 21 2003	12.5" 9mmT6	MF,VL,OVAL,PATCH,UB,NND,MHISB,B* OFF ONE SIDE,R=G	
Jul 09 1983	12.5" 16mm	DIF,MF,PL,EL-OVAL,NND	
NGC 6143		H811-2 Galaxy SAB(rs)bc:	PB,IR,VGVLBM
Jun 22 2003	12.5" 9mmT6	PB,ML,PATCH,UB,NND,SHISB,L PATCH,BET 2F*S,R=G	
NGC 6157		Galaxy E/S0	EEF,PS,R,VDIFFIC
Jun 22 2003	12.5" 9mmT6	PF,PS,OVAL,PATCH,FNUC,FSNUC,R=F	
NGC 6170		Galaxy	EEF,VS,R,VDIFFIC
Jun 22 2003	12.5" 9mmT6	PF,MS,OVAL,FNUC,LOC FIRST BY AV THEN EASILY DET,R=F	
NGC 6176		Galaxy E/S0	EF,ES,VDIFFIC
Mar 04 2006	31" 17mmT4	MF,PS,OVAL,FLNUC,SHISB CNTR,R=F	
NGC 6182		H813-3 Galaxy Sa	VF,VS,IR
Jun 22 2003	12.5" 9mmT6	PB,ML,OVAL,FNUC,SHISB,FSNUC,SBM,CLOSE COMP=PGC58331,R=F	
NGC 6187		Galaxy S	VF,VS,LBM
Jun 22 2003	12.5" 9mmT6	DIF,PF,PS,PATCH,UB,NND,R=P	
NGC 6189		Galaxy Scd:	VF,PS,LE
Jun 22 2003	12.5" 9mmT6	PB,ML,PATCH,NND,MHISB TOWARDS CNTR,R=G	
NGC 6190		Galaxy Scd:	VF,PS,R,F*NR
Jun 22 2003	12.5" 9mmT6	PF,PL,PATCH,FNUC,SHISB IN CNTR,SBM,R=F	
NGC 6198		Galaxy E	VF,VS,R,2*F
Jun 22 2003	12.5" 9mmT6	DIF,VF,MS,PATCH,UB,NND,R=P	
NGC 6206		Galaxy S0:	PF,ES,R,STELL,3VF*NR
Jun 22 2003	12.5" 9mmT6	DIF,PF,MS,PATCH,UB,NND,R=P	
NGC 6211		Galaxy SB(r)0^ pec:	VF,PS,R,SP OF 2
May 09 2010	31" 17mmT4	MB,MS,OVAL,BLNUC,MHISB CNTR,PAIRS=6213/PGC'S,R=G	
Jun 22 2003	12.5" 9mmT6	MB,PL,OVAL,FNUC,SHISB,SNUC,GMBM,COMP=6213,OTHERS PRESENT,R=F	
NGC 6213		Galaxy Early Spiral	EF,VS,R,NF OF 2
May 09 2010	31" 17mmT4	MF,PS,EL,FLNUC,PAIRS=6211/PGC'S,R=F	

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NGC 6213		Galaxy Early Spiral	EF,VS,R,NF OF 2
Jun 22 2003	12.5" 9mmT6	DIF,PF,ML,PATCH,UB,NND,COMP=6211 AND PGC58783,OTHERS PRESENT,R=F	
NGC 6214		Galaxy S	EF,VS,R
Jun 22 2003	12.5" 9mmT6	MF,MS,PATCH,UB,NND,R=F	
NGC 6223		Galaxy Pec	F,S,R,MBM
Jun 24 2003	12.5" 9mmT6	MB,ML,R,BNUC,SHISB,BMBM,LNUC AREA,R=G	
NGC 6226		Galaxy Pec	F,S,TRIW/2*12\$14
Jun 24 2003	12.5" 9mmT6	MF,MS,OVAL-R,PATCH,UB,NND,PAIR=PGC58846,R=F	
NGC 6232		Galaxy (R')SB(s)a	PF,PL,LE
Jun 24 2003	12.5" 9mmT6	MB,PL,OVAL,PATCH,*NUC,*NUC OR F* IN GLXY,PAIR=6236,R=F	
NGC 6236		Galaxy SAB(s)cd	F,PL
Jun 24 2003	12.5" 9mmT6	DIF,VF,VL,OVAL,PATCH,UB,NND,PAIR=6232,R=P	
NGC 6238		Galaxy Pec	EEF,ES,EF*NR,VDIFFIC
Jun 24 2003	12.5" 9mmT6	MB,ML,OVAL,FNUC,SLT BM,PAIRS=6244/PGC58938,R=F	
NGC 6244		Galaxy SBa:	VF,VS,R,BET2*,NF OF2
Jun 24 2003	12.5" 9mmT6	MB,ML,EL,UB,NND,SHISB,PAIRS=6238/PGC58938,R=F	
NGC 6246		Galaxy SBb?	EF,S,R
Jun 24 2003	12.5" 9mmT6	MB,VL,OVAL-R,NND,SHISB,PAIR=6246A,R=F	
NGC 6246A		Galaxy SAB(r)c pec:	
Jun 24 2003	12.5" 9mmT6	PB,MS,OVAL,BNUC,SHISB,BSNUC,CLOSE TO B*,PAIR=6246,R=F	
NGC 6247		Galaxy Pec	F,PS,IF
Jun 24 2003	12.5" 9mmT6	PB,ML,OVAL,FSNUC,SOFT NUC,R=G	
NGC 6248		Galaxy SBd	EEF,PL,R,VDIFFIC
Jun 24 2003	12.5" 9mmT6	DIF,VF,PL,EL,UB,NND,R=F	
NGC 6258		Galaxy E	EF,VS,R,B*\$D*P
Jun 24 2003	12.5" 9mmT6	MF,PS,OVAL,PATCH,*NUC,R=F	
NGC 6260		Galaxy Sc	EF,PS,R,SEV*NR SF
Jun 24 2003	12.5" 9mmT6	PB,MS,PATCH,UB,NND,R=F	
NGC 6275		Galaxy Compact	EEF,S,LE,VDIFFIC
Jun 24 2003	12.5" 9mmT6	VDIF,EF,PS,OVAL,PATCH,AV COMES AND GOES,LOC GOOD,R=P	
NGC 6285		Galaxy S0+? pec	EEF,S,R,VDIFFIC,NP-2
Jun 21 2003	12.5" 9mmT6	DIF,PF,PL,PATCH,UB,NND,COMP=6286,R=F	

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NGC 6286		Galaxy Sb: pec	EF,PS,R
Jun 21 2003	12.5" 9mmT6	DIF,PF,PL,EL,PATCH,UB,NND,COMP=6285,R=F	
NGC 6288		Galaxy E/S0	EF,VS,R,SP OF 2
Jun 24 2003	12.5" 9mmT6	DIF,MF,MS,OVAL,PATCH,UB,NND,PAIR=6289,R=F	
NGC 6289		Galaxy E/S0	EF,PL,ME,NF OF 2
Jun 24 2003	12.5" 9mmT6	DIF,MF,MS,OVAL,PATCH,UB,NND,PAIRS=6288/PGC59359,R=F	
NGC 6290		Galaxy SBa	EF,PS,R,*CLOSE F
Jun 21 2003	12.5" 9mmT6	MB,PS,PATCH,UB,NND,PAIR=6291,R=G	
NGC 6291		Galaxy SBb	EEF,ES,R
Jun 21 2003	12.5" 9mmT6	MB,PS,PATCH,FNUC,SNUC,PAIR=6290,R=G	
NGC 6292		Galaxy Sbc	EF,E,VDIFFIC,FST NR
Jun 21 2003	12.5" 9mmT6	PF,MS,PATCH,UB,NND,F* IN AND SUR GLXY,R=F	
NGC 6295		Galaxy S	EF,S,ME,F*NR
Jul 09 2005	31" 17mmT4	PF,PS,OVAL,PATCH,UB,NND,R=F	
NGC 6297		Galaxy S0	PB,PS,R,BET2*,P OF 2
Jun 21 2003	12.5" 9mmT6	MB,MS,PATCH,UB,NND,MHISB,R=G	
NGC 6299		Galaxy S	VF,VS,R
Jun 21 2003	12.5" 9mmT6	MF,MS,R,FNUC,SHISB,SLT BM,R=F	
NGC 6303		Galaxy E	EF,PL,ME,NR BET 2*
Jun 21 2003	12.5" 9mmT6	MF,MS,PATCH,FNUC,*NUC,R=F	
NGC 6306		Galaxy SB(s)ab pec:	VF,VS,LE
Jun 21 2003	12.5" 9mmT6	PB,PL,PATCH,UB,NND,COMP=6307,R=G	
NGC 6307		Galaxy (R')SB(s)0/a p	VF,VS,LE,*13NR N
Jun 21 2003	12.5" 9mmT6	MB,ML,OVAL,BNUC,MHISB,GBM,F* IN EDGE OF GLXY,COMP=6306,R=G	
NGC 6310		Galaxy Sb: sp	F,PL,LE
Jun 21 2003	12.5" 9mmT6	PB,PL,EDGE ON,UB,NND,SHISB,R=G	
NGC 6317		Galaxy L	EEF,S,R,F*NR,SP OF 2
Jun 21 2003	12.5" 9mmT6	EDIF,EF,VS,PATCH,AV COMES AND GOES,LOC GOOD,PAIR=6319,R=P	
NGC 6319		Galaxy E/S0	VF,VS,R,LBM,NF OF 2
Jun 21 2003	12.5" 9mmT6	MF,PS,OVAL,PATCH,UB,PAIR=6317,R=F	
NGC 6338		H812-2 Galaxy S0	F,S,R,VGLBM
Mar 04 2006	31" 17mmT4	MB,ML,R,BLNUC,MHISB,PAIRS=6345/OTHERS,R=G	

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NGC 6338		H812-2	Galaxy S0	F,S,R,VGLBM
Jun 22 2003	12.5"	9mmT6	MB,ML,OVAL-R,BNUC,SHISB,GMBM,CLOSE COMP=PGC59943,CL 1 OF 5,R=G	
NGC 6340		H767-2	Galaxy SA(s)0/a	CF,PL,R,VGMBM
Jun 22 2003	12.5"	9mmT6	PB,PL,R,BNUC,MHISB,BSNUC,FACE ON,SPR STR SUSP,PAIR=IC1251/IC1254,R=G	
Jul 22 1981	12.5"	16mm	ALM *NUC,DIF HALO,F* SUSP N SIDE	
NGC 6345			Galaxy S/S0	EEF,VS,R,2ND OF 3
Mar 04 2006	31"	17mmT4	MB,MS,EL,BSNUC,MHISB CNTR,PAIRS=6346/PGC/MAC,R=G	
Mar 04 2006	31"	17mmT4	BM,PS,EL EDGE ON,BSNUC,BAR LIKE NUC,SBM,HISB CNTR,PAIRS=6338,R=F	
Jun 22 2003	12.5"	9mmT6	VDIF,VF,MS,PATCH,UB,NND,EL,PAIR=6346CL 2 OF 5,R=P	
NGC 6346			Galaxy E	EEF,S,R,3RD OF 3
Mar 04 2006	31"	17mmT4	MB,MS,EL,BLNUC,MHISB CNTR,PAIRS=6345/PGC/MAC,R=G	
Jun 22 2003	12.5"	9mmT6	VDIF,VF,MS,PATCH,UB,NND,PAIR=6345,CL 3 OF 5,R=P	
NGC 6358			Galaxy S	EF,S,R,D*NR NP
Jun 23 2003	12.5"	9mmT6	PF,MS,PATCH,UB,NND,R=F	
NGC 6359			Galaxy SA0-:	PB,S,R,BMN=*12
Jun 22 2003	12.5"	9mmT6	PB,PL,OVAL,BNUC,MHISB,BLNUC,GMBM,R=G	
NGC 6361			Galaxy SAb: sp	VF,PS,ME,NEAR BET 2*
Apr 26 2006	31"	17mmT4	MF,ML,EDGE ON,UB,NND,THIN SLIVER,SOME CNTR BULGING,PAIR=PGC60040,R=G	
Jun 22 2003	12.5"	9mmT6	MB,ML,EDGE ON,NND,CNTR BULGE NOT DET,PATCHY AREAS,EL,R=F	
NGC 6365			Galaxy Sdm:	
Mar 04 2006	31"	17mmT4	PF,MS,OVAL,UB,NND,CLOSE INTRACT PAIR 6365A,BARELY SEP THE TWO,R=F	
NGC 6365A			Galaxy SBcd:	EEF,PL,IR,EF ST INV
Mar 04 2006	31"	17mmT4	VF,PS,EL,UB,NND,CLOSE INTRACT PAIR 6365,BARELY SEP THE TWO,R=F	
Jun 23 2003	12.5"	9mmT6	VDIF,VF,PS,UB,NND,COMP=6365B,APPEARS AS ONE GLXY,EL,R=P	
NGC 6365B			Galaxy S	
Jun 23 2003	12.5"	9mmT6	VDIF,VF,PS,UB,NND,COMP=6365A,APPEARS AS ONE GLXY,EL,R=P	
NGC 6370			Galaxy E	VF,VS,R,B*NR N
Jun 23 2003	12.5"	9mmT6	PB,ML,R,BNUC,MHISB,CLOSE TO B*,R=G	
NGC 6373			Galaxy SAB(s)c	EEF,PL,VDIFFIC
Jun 23 2003	12.5"	9mmT6	DIF,VF,MS,OVAL,PACH,UB,NND,R=P	
NGC 6376			Galaxy S0/a	EEF,ES,R,VDIFFIC
Jun 23 2003	12.5"	9mmT6	PF,MS,UB,NND,AV,COMP=6377,R=F	
NGC 6377			Galaxy Sa	EF,ES,R,LBM
Jun 23 2003	12.5"	9mmT6	PF,MS,PATCH,FNUC,AV,SNUC,SLT BM,COMP=6376,R=F	

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NGC 6381		Galaxy SA(s)c?	VF,PL,E
Jun 23 2003	12.5" 9mmT6	MB,PL,OVAL,PATCH,UB,NND,SHISB,EL WITH AV,COMP=PGC60316,R=F	
NGC 6382		Galaxy S	PF,PS,R
Jun 24 2003	12.5" 9mmT6	PF,MS,EL,FNUC,SLT BM,R=F	
NGC 6385		Galaxy SB(s)a	EF,S,R,B*S
Jun 24 2003	12.5" 9mmT6	PF,MS,PATCH,SLT BM,B* IN FOV,PAIR=6387,R=F	
NGC 6386		Galaxy Sbc	VF,PS,R,BET2*
Jun 24 2003	12.5" 9mmT6	DIF,VF,PS,PATCH,UB,NND,R=P	
NGC 6387		Galaxy H II	EF,S,R
Jun 24 2003	12.5" 9mmT6	VF,PS,PATCH,UB,PAIR=6385,R=P	
NGC 6390		Galaxy Sbc	EEF,ME,VDIFFIC
Jun 23 2003	12.5" 9mmT6	DIF,PF,ML,OVAL,PATCH,UB,NND,JUMPS OUT WITH AV,PAIR=PGC60339/PGC60374,R=P	
NGC 6391		Galaxy E/S0	EF,VS,R,NEARLYBET 2*
Jun 24 2003	12.5" 9mmT6	PF,PS,OVAL,PATCH,UB,R=F	
NGC 6393		Galaxy SBb	EF,PS,R,S OF 2
Jun 24 2003	12.5" 9mmT6	PF,MS,PATCH,UB,INSIDE TRI OF *S,PAIR=6394,R=F	
NGC 6394		Galaxy Spiral	EF,PS,R,N OF 2
Jun 24 2003	12.5" 9mmT6	VDIF,EF,PS,PATCH,AV,PAIR=6393,R=P	
NGC 6395		Galaxy Scd:	VF,PL,LE,D*N
Jun 23 2003	12.5" 9mmT6	MB,PL,EL,UB,NND,SHISB,R=G	
NGC 6399		Galaxy S0/a	EF,VS,R
Jun 24 2003	12.5" 9mmT6	DIF,VF,MS,PATCH,UB,R=P	
NGC 6409		Galaxy	VF,S,R
Jun 24 2003	12.5" 9mmT6	VF,PS,PATCH,UB,R=F	
NGC 6411		Galaxy E	VS,GBM
Jun 24 2003	12.5" 9mmT6	PB,PL,EL,BNUC,MHISB,L BM,R=G	
NGC 6412		H41-6 Galaxy SA(s)c	GCL,CL,R,VGBM,RR
Jun 24 2003	12.5" 9mmT6	PB,VL,OVAL-R,FNUC,MHISB,F* IN GLXY,PATCHY AREAS DET,R=G	
Jul 22 1981	12.5" 16mm	R,DIF,SPR STR SUSP,F* 14TH MAG N SIDE,B* FARTHER N	
NGC 6414		Galaxy S	EEF,PS,R,VDIFFIC
Jun 24 2003	12.5" 9mmT6	DIF,VF,PS,PATCH,UB,AV,R=P	
NGC 6418		Galaxy Sb	EF,PS,R

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NGC 6418		Galaxy Sb	EF,PS,R
Jun 24 2003	12.5" 9mmT6	DIF,VF,PS,PATCH,UB,AV COMES AND GOES,LOC GOOD,R=P	
NGC 6419		Galaxy Sa	EEF,ES,R,VDIFFIC
Jun 24 2003	12.5" 9mmT6	MF,PL,EL,PATCH,NND, GRP OF 6,R=F	
NGC 6420		Galaxy E/S0	EEF,ES,R,VDIFFIC
Jun 24 2003	12.5" 9mmT6	DIF,VF,MS,PATCH,UB,NND,COMPANIONS=6422/PGC60553,GRP OF 6,R=F	
NGC 6422		Galaxy E/S0	EF,PS,R,NRBET 2ST
Jun 24 2003	12.5" 9mmT6	DIF,VF,ML,PATCH,UB,NND,GRP OF 6,COMPANIONS=6420/PGC60553,R=F	
NGC 6423		Galaxy C	EEF,VS,R,*CLOSE F
Jun 24 2003	12.5" 9mmT6	DIF,EF,PS,PATCH,AV COMES AND GOES,GRP OF 6,CLOSEST TO 6419,R=P	
NGC 6424		Galaxy Compact	VF,PS,R
Jun 24 2003	12.5" 9mmT6	DIF,PF,PS,PATCH,UB,R=F	
NGC 6434		H741-3 Galaxy SBbc:	VF,VS,R,STELLAR,*8S
Jun 24 2003	12.5" 9mmT6	MF,MS,EL,*NUC,SHISB,B* CLOSE BY,R=F	
NGC 6435		Galaxy Compact	EEF,VS,R,VFD*NR F
Jun 24 2003	12.5" 9mmT6	DIF,PF,PS,OVAL,PATCH,UB,R=F	
NGC 6436		Galaxy Scd:	EEF,PS,LE,***NR
Jun 24 2003	12.5" 9mmT6	PF,PS,PATCH,UB,NND,3F*S JUST OFF ONE SIDE,R=F	
NGC 6449		Galaxy Scd:	VF,PS,R
Jun 25 2003	12.5" 9mmT6	PF,MS,OVAL,PATCH,UB,NND,R=F	
NGC 6454		Galaxy S?	VF,PS,R,LBM
Jun 25 2003	12.5" 9mmT6	MF,MS,PATCH,BNUC,LNUC AREA,PAIR=PGC60781,CLOSE TO 6459,R=F	
NGC 6456		Galaxy C	EEF,ES,R,VDIFFIC
Mar 26 2006	31" 17mmT4	PF,PS,R,FSNUC,PAIRS=MAC,R=F	
Jun 25 2003	12.5" 9mmT6	EDIF,EF,PS,AV,SUSP,LOC GOOD,GRP OF 5,R=P	
Jun 24 2003	12.5" 9mmT6	VDIF,VF,PS,PATCH,UB,AV HOLDS AFTER A WHILE,PAIR=6463,R=P	
NGC 6457		Galaxy S0-:	F,VS,R,BM
Jun 25 2003	12.5" 9mmT6	PF,MS,OVAL,PATCH,FNUC,SNUC AREA,SBM,R=F	
NGC 6459		Galaxy Sab	EF,ES,R,R
Jun 25 2003	12.5" 9mmT6	MF,MS,OVAL,FNUC,CLOSE TO 6454,R=F	
NGC 6461		Galaxy	EF,PS,R,5ST NR
Jul 09 2005	31" 17mmT4	PF,PS,OVAL,PATCH,UB,NND,R=F	

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NGC 6462		Galaxy E?	F,ES,R,(PLN)
Jun 25 2003	12.5" 9mmT6	MF,MS,R,BNUC,SHISB,LOC IN BARRON * FOV,LNUC,GBM,R=F	
NGC 6463		Galaxy E	EEF,S,R,VDIFFIC,20F6
Mar 26 2006	31" 17mmT4	MF,MS,R,BLNUC,PAIRS=6472/6477/6470/MAC,R=F	
Jun 25 2003	12.5" 9mmT6	DIF,MV,MS,PATCH,UB,GRP OF 5,R=P	
Jun 24 2003	12.5" 9mmT6	DIF,VF,PS,PATCH,UB,AV,PAIR=6456,R=F	
NGC 6464		Galaxy Spiral	EEF,PS,R,S OF 4ST
Jun 25 2003	12.5" 9mmT6	DIF,EF,MS,PATCH,UB,NND,R=P	
NGC 6466		Galaxy	EF,VS,R,BET2ST
Jun 25 2003	12.5" 9mmT6	MF,MS,PATCH,SHISB,TRI F*S SUR GLXY,R=F	
NGC 6471		Galaxy Scd:	EEF,ES,R,*NR,4TH OF6
Mar 26 2006	31" 17mmT4	PF,MS,EL,UB,NND,CLOSE COMP=MAC,PAIRS=6472/6477/6463,R=F	
Jun 25 2003	12.5" 9mmT6	EDIF,EF,MS,PATCH,AV,SUSP,LOC GOOD,GRP OF 5,COMP=6472,R=P	
NGC 6472		Galaxy SBb	EEF,ES,R,5TH OF6
Mar 26 2006	31" 17mmT4	MB,PS,R,BSNUC,PAIRS=6477/6463/6470/MAC,R=G	
Jun 25 2003	12.5" 9mmT6	DIF,PF,MS,OVAL,PATCH,UB,CLOSE TO F*,COMPS=6477/6470,GRP OF 5,R=F	
NGC 6474		Galaxy S	EF,PS,R,N OF3,3ST NR
Jun 25 2003	12.5" 9mmT6	DIF,VF,MS,PATCH,UB,NND,PAIR=PGC60822,R=F	
NGC 6477		Galaxy E/S0	EEF,ES,R,*NR,VDIFFIC
Mar 26 2006	31" 17mmT4	PF,VS,OVAL,FSNUC,VF* OFF EDGE,PAIRS=6472/6463/6470/MAC,R=F	
Jun 25 2003	12.5" 9mmT6	VDIF,EF,PS,OVAL,PATCH,UB,AV COMES AND GOES,LOC GOOD,GRP OF 5,COMPS=6472,R=P	
NGC 6478		Galaxy SAc:	PB,S,VME,SPINDLE
Jun 25 2003	12.5" 9mmT6	MF,ML,PATCH,SHISB,SBM,R=F	
NGC 6479		Galaxy Sc	EF,PS,R,3ST N
Jun 25 2003	12.5" 9mmT6	PF,MS,PATCH,UB,B* CLOSE BY WASHES OUT GLXY,R=F	
NGC 6488		Galaxy C	PF,PS,E
Jun 25 2003	12.5" 9mmT6	MF,VS,R,PATCH,2F*S SUR GLXY,R=F	
NGC 6489		Galaxy Spherical	EEF,PL,LE,BET2ST
Jun 25 2003	12.5" 9mmT6	DIF,EF,VS,PATCH,AV,SUSP,LOC GOOD,R=P	
NGC 6491		Galaxy Sab	PF,ES,VF*ATT,NP OF 2
Jun 25 2003	12.5" 9mmT6	PF,MS,EL,PATCH,NND,PAIRS=6493/PGC60945,R=R	
NGC 6493		Galaxy SAB(r)cd:	F,ES,R,(PLN),SF OF 2
Jun 25 2003	12.5" 9mmT6	VF,PS,R,PATCH,NND,F* IN OR SUR GLXY,PAIRS=6491/PGC60945,R=F	

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NGC 6497		Galaxy SB(r)b	EF,PS,LE,*NR N,NPOF2
Jun 25 2003	12.5" 9mmT6	MF,ML,EL,PATCH,UB,NND,SHISB,F* OFF NUC,R=F	
NGC 6503		Galaxy SA(s)cd	PF,L,ME,*9F4'
Jun 25 2003	12.5" 9mmT6	VB,VL,EL,UB,NND,VHISB,F HALO BEYOND HISB RGN,R=E	
Jul 22 1981	12.5" 16mm	VHISB,EDGE ON,PB,PL,B HALO	
Jul 14 1980	12.5" 24mm		
Jul 11 1980	12.5" 24mm		
NGC 6505		Galaxy E/S0	EEF,VS,R
Jun 25 2003	12.5" 9mmT6	MF,MS,R,PATCH,UB,R=F	
NGC 6508		Galaxy E:	VF,S,3ST NR
Jun 25 2003	12.5" 9mmT6	MB,PL,R,FNUC,FS*NUC,R=F	
Jun 20 1980	12.5" 24mm		
NGC 6510		Galaxy SB	EEF,PS,LE,VDIFFIC
Jun 25 2003	12.5" 9mmT6	DIF,VF,MS,PATCH,UB,AV COMES AND GOES,R=P	
NGC 6512		Galaxy E?	VF,R,1ST OF 3
Jun 25 2003	12.5" 9mmT6	MF,ML,R,FNUC,SHISB,PAIRS=6516/6521,R=F	
NGC 6515		Galaxy E	VF,VS,R,2BST NR
Jun 25 2003	12.5" 9mmT6	MF,PS,FNUC,PATCH,FSNUC,SBM,SHISB,R=F	
NGC 6516		Galaxy Sp	VF,VS,2ND OF 3
Jun 25 2003	12.5" 9mmT6	VF,VS,R,PATCH,NND,PAIRS=6512/6521,R=P	
NGC 6521		Galaxy E	F,PL,3RD OF 3
Jun 25 2003	12.5" 9mmT6	PF,ML,FNUC,SNUC,PATCH,PAIRS=6516/6512,R=F	
NGC 6532		Galaxy SAc	EEF,PS,R
Jun 25 2003	12.5" 9mmT6	DIF,VF,ML,EL,UB,R=F	
NGC 6534		Galaxy S?	EEF,PS,R
Jun 25 2003	12.5" 9mmT6	DIF,EF,PS,PATCH,UB,B* ON EDGE,R=P	
NGC 6536		Galaxy SB(r)b	VF,PL,R
Jun 25 2003	12.5" 9mmT6	VDIF,VF,MS,PATCH,UB,NND,R=F	
NGC 6538		Galaxy S	EF,VS,LE,BET2EF ST
Jun 25 2003	12.5" 9mmT6	DIF,PF,MS,PATCH,UB,NND,R=F	
NGC 6542		Galaxy S0/a: sp	EF,S,ME,2ST SP
Jun 25 2003	12.5" 9mmT6	MF,ML,EL,PATCH,NND,R=F	
NGC 6543	H37-4	Planetary Neb 3a+2	PLN,VB,PS,SBMVSN

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NGC 6543	H37-4	Planetary Neb 3a+2	PLN,VB,PS,SBMVSN
Jun 10 2023 12.5" 17mmT4	VB,MS,R,B BLUE BALL,FUZZY EDGES,SMWHT OF A RING DET ARND BALL,R=GE		
May 19 2009 31" 17mmT4	VB,VL,B GREENISH,CNTR* 10TH MAG,B INNER CORE,GRAN BALL,VF WISPS OF NEB SUR BALL,OIII BRINGS OUT OUTER HALO ONLY,PAIR=IC4677,R=E		
Mar 26 2006 31" 17mmT4	VF,PL,B BLUE,CNTR *,DETAIL IN NEB,DARK INNER RING,PAIR=IC4677,R=E		
Jun 23 2003 12.5" 9mmT6	VB,ML,EL-OVAL,VHISB,BNUC,SLT EL,F HALO SUR GLXY,R=E		
Jul 22 1981 12.5" 16mm	BLUEISH IN COLOR,PB,MS,NO CNTR * DET		
Jul 14 1980 12.5" 24mm			
Jul 11 1980 12.5" 24mm			
Jun 20 1980 12.5" 24mm			
NGC 6552		Galaxy SB?	F,PS,IR
Jun 23 2003 12.5" 9mmT6	MB,PL,OVAL,FNUC,MHISB,SLT BM,R=F		
NGC 6562		Galaxy C	F,PS,R,BM,BET2*
Jun 23 2003 12.5" 9mmT6	MB,ML,R,BNUC,SHISB,BSNUC,R=F		
NGC 6566		Galaxy E	EF,VS,R,*16NR
Jun 23 2003 12.5" 9mmT6	PF,MS,OVAL,PATCH,UB,NND,R=F		
NGC 6592		Galaxy E/S0	VF,VS,R
Jun 23 2003 12.5" 9mmT6	MF,PS,OVAL,PATCH,UB,NND,R=F		
NGC 6594		Galaxy S	VF,VS,R
Jun 23 2003 12.5" 9mmT6	MF,MS,OVAL,PATCH,UB,NND,R=F		
NGC 6597		Galaxy E/S0	VF,VS,R,B*NR
Jun 23 2003 12.5" 9mmT6	MF,MS,OVAL,PATCH,UB,NND,R=F		
NGC 6598		Galaxy Pec	EF,PS,R
Jun 23 2003 12.5" 9mmT6	MB,PL,R,PATCH,UB,SHISB,R=F		
NGC 6601		Galaxy E/S0	EF,PS,R
Jul 09 2005 31" 17mmT4	MF,PS,EL,BLNUC,R=F		
Jul 09 2005 31" 17mmT4	MF,PS,EL-OVAL,FLNUC,GMBM,R=F		
NGC 6607		Galaxy Sb	EF,PS,R,VDIFFIC
Jul 09 2005 31" 17mmT4	VF,MS,EL,PATCH,UB,NND,PAIRS=6608/6609,R=F		
Jun 23 2003 12.5" 9mmT6	EDIF,EF,MS,SUSP,PAIR=6608/6609,R=P		
NGC 6608		Galaxy Sb	VF,ES,R,VF*NR
Jul 09 2005 31" 17mmT4	MB,PS,R,BLNUC,GMBM,BET 2F*S,PAIRS=6607/6609,R=G		
Jun 23 2003 12.5" 9mmT6	MF,PS,OVAL,PAGTCH,FNUC,SHISB,SMWHT BM,PAIR=6607/6609,R=F		
NGC 6609		Galaxy Irr	VF,PS,LE,F*NR
Jul 09 2005 31" 17mmT4	VDIF,EF,MS,PATCH,UB,AV,PAIRS=6608/6607,R=P		
Jun 23 2003 12.5" 9mmT6	NO FIND,LOC GOOD,PAIR=6607/6608,R=P		

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NGC 6617		Galaxy SA(s)d	EEF,PL,R,VDIFFIC
Jun 24 2003	12.5" 9mmT6	SUSP,LOC GOOD,CONDITIONS E,R=P	
NGC 6621		Galaxy Sb: pec	PF,PS,R,LBM,S OF 2
Jul 09 2005	31" 17mmT4	MB,ML,EL,BLNUC,SHISB,TAPERED ENDS,COMP IN EDGE,GMBM,R=G	
Jun 23 2003	12.5" 9mmT6	MB,PL,EL,UB,NND,SHISB,R=F	
NGC 6622		Galaxy S	PF,PS,R,LBM,N OF 2
Jul 09 2005	31" 17mmT4	MB,MS,R,BLNUC,BM,SHISB,COMP=6621,INTRACT,R=G	
NGC 6636		Galaxy S?	EEF,PS,R,3*NR
Jun 01 2003	12.5" 9mmT6	DIF,VF,PS,PATCH,UB,AV HOLDS,R=P	
NGC 6643		Galaxy SA(rs)c	PB,PL,E50,2ST P
Jun 01 2003	12.5" 9mmT6	DIF,MB,VL,OVAL,PATCH,NND,SHISB,R=G	
Jul 22 1981	12.5" 16mm	HISB,ELDIF,*NUC SUSP,B HALO,PB,ML	
Jul 14 1980	12.5" 24mm		
Jul 11 1980	12.5" 24mm		
NGC 6650		Galaxy C	VF,VS,R
Jun 01 2003	12.5" 9mmT6	DIF,PF,PS,PATCH,UB,NND,R=P	
NGC 6651		Galaxy SA(r)c	EEF,PS,LE,VDIFFIC
Jun 01 2003	12.5" 9mmT6	DIF,PF,MS,OVAL,PATCH,UB,NND,R=F	
NGC 6654		Galaxy (R')SB(s)0/a	*12,13INPB,PL NEBY
Jun 01 2003	12.5" 9mmT6	MB,ML,EL,BNUC,SHISB,LNUC AREA,BSNUC,R=G	
NGC 6654A		Galaxy SB(s)d pec?	
Jun 01 2003	12.5" 9mmT6	VDIF,EF,PS,EL,PATCH,UB,AV COMES AND GOES,LOC GOOD,R=P	
NGC 6667		Galaxy SABab? pec	VF,PL,LE,VF D* NR
Jun 01 2003	12.5" 9mmT6	DIF,PF,MS,EL,UB,NND,R=F	
NGC 6670		Galaxy Triple System	EEF,S,ME,VDIFFIC
Jun 01 2003	12.5" 9mmT6	VDIF,VF,PS,PATCH,AV HOLDS,R=P	
NGC 6676		Galaxy Sbc	EEF,PS,LE,LBM,VDIFFI
Jun 01 2003	12.5" 9mmT6	NO FIND,LOC GOOD	
Jun 01 2003	12.5" 9mmT6	NO FIND,LOC GOOD,PAIR/IC4763/6677	
NGC 6677		Galaxy Compact	VF,VS,BET*VNR\$VF D*
Jun 22 2003	12.5" 9mmT6	MF,PL,EL,BNUC,BSNUC,CLOSE COMP=6679,PAIR=IC4763,R=F	
Jun 01 2003	12.5" 9mmT6	DIF,VF,PS,OVAL,NUC,SBM,PAIR/IC4763/6676,R=F	
NGC 6679		Galaxy Spherical	EF,CLOSE DOUBLE
Jun 22 2003	12.5" 9mmT6	EDIF,EF,MS,PATCH,AV COMES AND GOES,SUSB,LOC GOOD,COMP=6677,PAIR=IC4763,R=P	

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NGC 6687		Galaxy SAd	EF,PL,R,BET2ST
Jun 22 2003	12.5"	9mmT6	VDIF,VF,ML,PATCH,UB,AV,KEEP B* OUT OF FOV,R=P
Jun 01 2003	12.5"	9mmT6	NO FIND,LOC GOOD
NGC 6689		Galaxy Sd? sp	VF,PS,*8F7'DIST
Jun 01 2003	12.5"	9mmT6	EDIF,EF,PL,PATCH,AV COMES AND GOES,LOC GOOD,R=P
NGC 6691		Galaxy SB(rs)bc	VF,PL,R,PB*S NR
Jun 01 2003	12.5"	9mmT6	DIF,PF,PS,OVAL,PATCH,UB,R=P
NGC 6696		Galaxy S	EEF,PL,VDIFFIC
Jul 09 2005	31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,R=F
NGC 6701		Galaxy (R')SB(s)a	PB,PS,ME,F*CLOSE F
Jun 01 2003	12.5"	9mmT6	PB,MS,OVAL,BNUC,SHISB,BSNUC,R=G
NGC 6711		Galaxy SBbc:	VF,PS,R,LBM
Mar 26 2006	31"	17mmT4	MB,PL,PATCH,NND,SHISB,PATCHY AREAS,R=G
NGC 6732		Galaxy E?	PB,VS,R, F*N
Jun 01 2003	12.5"	9mmT6	MV,MS,OVAL,FNUC,SBM,SHISB MIDDdle,F* OFF ONE EDGE,R=F
NGC 6742		H742-3 Planetary Neb 2c	VF,STELLAR
Aug 23 2009	31"	12mmT4	MF,MS,R,UB,GREENISH-GREY,NO CNTR*,VF* IN EDGE OF NEB,OIII HELP A LTL,UB,R=G
Mar 26 2006	31"	17mmT4	MB,ML,OVAL,MHISB,2F*S IN NEB,PALE GREENISH,DARK AREA SUSP/WOIII,NEB BTR,R=E
NGC 6747		Galaxy	EEF,VDIFFIC,PB ST SF
Jun 22 2003	12.5"	9mmT6	DIF,VF,VS,PATCH,*NUC,AV,*,LOC GOOD,R=P
NGC 6750		Galaxy Sc	VF,VS,R
Jun 01 2003	12.5"	9mmT6	VDIF,EF,PS,AV COMES AND GOES,LOC GOOD,R=P
NGC 6757		Galaxy SB(r)0/a	PF,ME,3F*INV
Jun 01 2003	12.5"	9mmT6	DIF,PF,MS,EL,PATCH,UB,R=P
NGC 6759		Galaxy S	VF,S,R,VF D*CLOSE SP
Jun 21 2003	12.5"	9mmT6	MB,MS,PATCH,NND,F* SUR GLXY,R=F
NGC 6763		Galaxy S0/a	EF,VS,CE,F*NR
Jun 21 2003	12.5"	9mmT6	MB,ML,EL,FSNUC,SOFT NUC,R=F
NGC 6786		Galaxy SB?	EEF,S,R,2ST NF
Jun 21 2003	12.5"	9mmT6	MB,ML,PATCH,UB,NND,R=F
NGC 6787		Galaxy SAB(s)b	EEF,PS,4*SF,E DIFFIC
Jun 21 2003	12.5"	9mmT6	FID,BF,MS,OVAL-R,PATCH,UB,NND,R=F

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NGC 6789		Galaxy Im	EEF,PL,R,VDIFFIC
Jun 21 2003	12.5"	9mmT6	MF,MS,OVAL,PATCH,UB,NND,R=F
NGC 6796		Galaxy Sbc: sp	VF,PS,ME NS
Jun 21 2003	12.5"	9mmT6	MB,VL,EDGE ON,UB,NND,SHISB,R=G
NGC 6817		Galaxy Sbc	EEF,PS,LE
Jul 09 2005	31"	17mmT4	MF,PS,OVAL,FLNUC,2-3VF*S ON EDGE,PATCH OR PART DET OFF CNTR,R=F
NGC 6825		Galaxy C	EF,VS,VDIFFIC,F*NR
Oct 12 2012	36"	17mmT4	PF,PS,OVAL,UB,NND,* NUC OR VF* CLOSE TO CNTR OF GLXY,R=F
Jun 21 2003	12.5"	9mmT6	MF,PS,R,FNUC,F* OFF ONE SIDE,R=F
NGC 6829		Galaxy Sb	EF,PS,R,PB*NR S,POF2
Oct 12 2012	36"	17mmT4	MF,ML,EL,NND,SHISB,* OFF CNTR,R=F
Jun 22 2003	12.5"	9mmT6	VDIF,VF,PS,EL,UB,NND,PAIR=6831,R=P
NGC 6831		Galaxy S0	EF,S,R,F OF 2
Oct 12 2012	36"	17mmT4	MF,ML,OVAL,FLNUC,SHISB,R=F
Jun 22 2003	12.5"	9mmT6	MB,ML,OVAL,FNUC,SMWHT BM,SNUC DET,PAIR=6829,R=F
Jun 21 2003	12.5"	9mmT6	MF,ML,R,FNUC,SHISB,FNUC,R=G
NGC 6869		Galaxy S0	PB,PS,R
Oct 12 2012	36"	17mmT4	MB,ML,R,BLNUC,MHISB,GRAN HALO SUR NUC,R=FG
Jun 22 2003	12.5"	9mmT6	PB,PL,OVAL,UB,MHISB,R=G
NGC 6911		Galaxy SBb:	EF,L,LBM,PB*NR
Oct 12 2012	36"	17mmT4	VF,PL,PATCH,NND,CLOSE TO *,R=PF
Jun 22 2003	12.5"	9mmT6	VDIF,VF,VS,PATCH,NND,AV COMES AND GOES,R=P
PGC 27026		Galaxy S?	
Apr 09 2008	31"	17mmT4	PF,PS,EL,VBSNUC OR * IN NUC,R=F
PGC 27056		Galaxy	
Apr 09 2008	31"	17mmT4	VF,VS,PATCH,UB,NND,* CLOSE BY,R=P
PGC 27729		Galaxy	
Apr 14 2004	31"	17mmT4	VDIF,VF,MS,PATCH,UB,NND,R=P
PGC 28098		Galaxy Sd	
Apr 14 2004	31"	17mmT4	DIF,VF,PL,EDGE ON,UB,NND,R=F
PGC 28177		Galaxy S	
Apr 14 2004	31"	17mmT4	VDIF,EF,ES,PATCH,UB,AV,PAIRS/2957A/2957B/2963,R=P
PGC 31916		Galaxy Pec	
Apr 09 2008	31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,SHISB,R=F

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PGC 32081		Galaxy SAB(s)c
Feb 05 2005 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,R=G
PGC 32263		Galaxy S
Feb 05 2005 31"	17mmT4	PF,MS,EL,UB,NND,F* BOTH ENDS,PAIR=PGC32354,R=F
PGC 32354		Galaxy I R
Feb 05 2005 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIR=PGC32263,R=P
PGC 32500		Galaxy S
Feb 05 2005 31"	17mmT4	PF,MS,OVAL,FLNUC,SHISB CNTR,PAIR=PGC32561,R=F
PGC 32538		Galaxy Sbc
Feb 05 2005 31"	17mmT4	MF,MS,OVAL,FSNUC,F* OFF EDGE,R=F
PGC 32561		Galaxy Pec
Feb 05 2005 31"	17mmT4	PF,MS,EL,PATCH,SMWHT BM,PAIR=PGC32500,R=F
PGC 34129		Galaxy S R
Apr 03 2005 31"	17mmT4	PF,MS,OVAL,UB,NND,PAIRS=3652,PGC/MAC,R=F
PGC 34207		Galaxy
Apr 03 2005 31"	17mmT4	PF,VS,OVAL,FSNUC,VF* ON EDGE,PAIRS=3652/PGC/MAC,R=F
PGC 35286		Galaxy Pec
Apr 09 2023 36"	17mmT4	PF,MS,OVAL,UB,NND,R=PF
PGC 35572		Galaxy Chain
Apr 09 2008 31"	17mmT4	EF,ES,UB,NND,ALL APPEAR AS A SINGLE EDGE ON GLXY,ALL IN SAME PLANE,R=P
PGC 35573		Galaxy SBa pec:
Apr 09 2008 31"	17mmT4	VF,VS,UB,NND,ALL APPEAR AS A SINGLE EDGE ON GLXY,ALL IN SAME PLANE,R=P
PGC 35574		Galaxy S0 pec:
Apr 09 2008 31"	17mmT4	EF,ES,UB,NND,ALL APPEAR AS A SINGLE EDGE ON GLXY,ALL IN SAME PLANE,R=P
PGC 35575		Galaxy SA0 pec:
Apr 09 2008 31"	17mmT4	VF,VS,UB,NND,ALL APPEAR AS A SINGLE EDGE ON GLXY,ALL IN SAME PLANE,R=P
PGC 35576		Galaxy S?
Apr 09 2008 31"	17mmT4	EF,ES,UB,NND,ALL APPEAR AS A SINGLE EDGE ON GLXY,ALL IN SAME PLANE,R=P
PGC 35767		Galaxy S?
Apr 07 2008 31"	17mmT4	VF,MS,EL,PATCH,UB,NND,R=P
PGC 38504		Galaxy
Mar 06 2003 12.5"	9mmT6	DIF,VF,PS,EL,PATCH,UB,NND,R=P

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PGC 38805		Galaxy SBdm:
Mar 06 2003 12.5"	9mmT6	MF,PS,FNUC,F* IN GLXY,FSNUC,R=P
PGC 39058		Galaxy Sc
Apr 23 2003 12.5"	9mmT6	EDIF,EF,ES,PATCH,SUSP,B* ON EDGE OF GLXY MAKES DIFF,PAIR=4221/4210,R=P
PGC 39359		Galaxy
Feb 04 2005 31"	17mmT4	PF,MS,EDGE ON,VFNUC,SMWHT BM,BAR,R=F
PGC 39763		Galaxy Sb
Feb 04 2005 31"	17mmT4	PF,MS,EL,PATCH,UB,NND,PAIRS=4291/4319/MAC,R=F
PGC 39975		Galaxy
Feb 04 2005 31"	17mmT4	PF,ES,*,COMP TO NGC 4319,LOC IN EDGE OF GLXY,R=F
PGC 40048		Galaxy C
Feb 04 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,VF* IN GLXY,R=F
PGC 40125		Galaxy
Feb 04 2005 31"	17mmT4	VF,PS,PATCH,UB,NND,R=P
PGC 41524		Galaxy
Feb 04 2005 31"	17mmT4	EF,VS,PATCH,AV,PAIRS=4513/PGC'S,R=P
PGC 41549		Galaxy
Feb 04 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=4513/PGC'S,R=P
PGC 41616		Galaxy S
Feb 04 2005 31"	17mmT4	VF,PS,PATCH,UB,NND,AV,R=P
PGC 43346		Galaxy S
Feb 23 2006 31"	17mmT4	PF,PS,EL TO EDGE ON,PATCH,UB,NND,PAIR=4750,R=F
PGC 51922		Galaxy S
Apr 14 2004 31"	17mmT4	VF,ES,PATCH,PAIRS=5678/MACS,R=P
PGC 53057		Galaxy Dwarf Spiral
Apr 14 2004 31"	17mmT4	VDIF,EF,MS,PATCH,UB,NND,AV,PAIR=5777,R=P
PGC 54376		Galaxy SBR
Apr 23 2003 12.5"	9mmT6	VDIF,VF,VS,PATCH,UB,NND,GRP OF VF* IN OR SUR GLXY,R=P
PGC 55561		Galaxy SBab
Apr 23 2003 12.5"	9mmT6	EDIF,EF,VS,PATCH,AV HOLDS,R=P
PGC 56057		Galaxy S?
Apr 26 2006 31"	17mmT4	MF,PS,PATCH,NND,PAIRS=PGC'S,R=F

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PGC 56063		Galaxy E
Apr 26 2006 31"	17mmT4	MF,MS,R,FSNUC,PAIRS=PGC'S,R=F
PGC 56067		Galaxy S?
Apr 26 2006 31"	17mmT4	MF,PS,OVAL,BSNUC,PAIRS=PGC'S,R=F
PGC 56079		Galaxy (R')SB(s)bc
Apr 26 2006 31"	17mmT4	PF,MS,EL,FSNUC,PAIRS=PGC'S,R=F
PGC 56086		Galaxy S
Apr 26 2006 31"	17mmT4	EF,ES,DID NOT FIND,LOC GOOD,SUSP,R=P
PGC 56090		Galaxy SB
Apr 26 2006 31"	17mmT4	DIF,MF,ML,OVAL,PATCH,UB,NND,PATCHY,F* OFF ONE SIDE,R=F
PGC 56091		Galaxy
Apr 26 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,CLOSE TO * OFF EDGE,PAIRS=IC1146/PGC'S,R=F
PGC 56095		Galaxy S
Apr 26 2006 31"	17mmT4	EF,VS,PATCH,AV COMES AND GOES,SUSP,PAIRS=PGC'S,R=P
PGC 56572		Galaxy S?
Apr 26 2006 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,PAIRS=PGC'S,R=P
PGC 56577		Galaxy S
Apr 26 2006 31"	17mmT4	EF,ES,PATCH,DID NOT FIND,LOC GOOD,SUSP,R=P
PGC 56588		Galaxy S?
Apr 26 2006 31"	17mmT4	VF,PS,EL-EDGE ON PATCH,UB,NND,PAIRS=PGC'S,R=F
PGC 56590		Galaxy S?
Apr 26 2006 31"	17mmT4	VF,VS,EL,PATCH,UB,NND,PAIRS=PGC'S,R=F
PGC 57108		Galaxy C
Apr 26 2006 31"	17mmT4	PF,PS,PATCH,UB,NND,CLOSE TO *,PAIRS=PGC'S,R=F
PGC 57109		Galaxy S R
Apr 26 2006 31"	17mmT4	DIF,VF,ML,OVAL,PATCH,UB,NND,PAIRS=PGC'S,R=F
PGC 57129		Galaxy SB(s)c pec
Apr 26 2006 31"	17mmT4	MB,VL,EL-EDGE ON,PATCH,NND,PATCHY LNUC AREA,BKN PARTS,PAIRS=PGC'S,R=F
PGC 57383		Galaxy S
Mar 04 2006 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,COMP=PGC57384,ON TOP OF EACH OTHER,PAIR=6088,R=F
PGC 57384		Galaxy S
Mar 04 2006 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,COMP=PGC57383,ON TOP OF EACH OTHER,PAIR=6088,R=F

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PGC 57404		Galaxy S0-:
Jun 21 2003 12.5"	9mmT6	DIF,PF,MS,PATCH,NND,AV FIRST THEN HOLDS,PAIR/6090,R=P
PGC 57416		Galaxy
Jun 21 2003 12.5"	9mmT6	DIF,VF,PS,PATCH,UB,NND,CLOSEST TO 6095,R=P
PGC 57421		Galaxy
Jun 21 2003 12.5"	9mmT6	DIF,PF,VS,NND,AV FIRST THEN HOLDS,CLOSEST TO 6090,R=P
PGC 57429		Galaxy L
Mar 04 2006 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,VF* IN EDGE,R=F
PGC 57451		Galaxy S0/a
Jun 21 2003 12.5"	9mmT6	DIF,VF,PS,PATCH,UB,NND,PAIR/6095,R=P
PGC 57569		Galaxy Sbc
Jun 21 2003 12.5"	9mmT6	VDIF,VF,PS,PATCH,UB,NND,AV HOLDS,COMP=6111,R=P
PGC 57677		Galaxy S
Jun 21 2003 12.5"	9mmT6	VDIF,VF,VS,EL,PATCH,AV HOLDS,PAIR=IC1212,R=P
PGC 57722		Galaxy IBm
Jun 21 2003 12.5"	9mmT6	VDIF,EF,MS,PATCH,NND,AV,R=P
PGC 57907		Galaxy S
Jun 22 2003 12.5"	9mmT6	EDIF,EF,VS,PATCH,AV COMES AND GOES,PAIR=6136,R=P
PGC 58150		Galaxy Sbc
Apr 26 2006 31"	17mmT4	MF,MS,OVAL,PATCH,NND,PATCHY NUC AREA DET,R=F
PGC 58331		Galaxy S
Jun 22 2003 12.5"	9mmT6	DIF,VF,PS,CLOSE COMP=6182,R=P
PGC 58783		Galaxy S
May 09 2010 31"	17mmT4	PF,PS,EL,UB,NND,PAIRS=6211/6213/PGC58802,R=F
Jun 22 2003 12.5"	9mmT6	VDIF,VF,MS,PATCH,UB,AV,COMP=6213,PAIR=6211/PGC58802,R=P
PGC 58799		Galaxy Sc
Jun 24 2003 12.5"	9mmT6	EDIF,PATCH,SUSP,LOC GOOD,R=P
PGC 58802		Galaxy S
May 09 2010 31"	17mmT4	PF,PS,OVAL,FLNUC,PAIRS=6211/6213/PGC58783,R=F
Jun 22 2003 12.5"	9mmT6	EDIF,EF,VS,AV,LOC GOOD,PAIR=PGC58783
PGC 58846		Galaxy S
Jun 24 2003 12.5"	9mmT6	VDIF,VF,VS,PATCH,UB,PAIR=6226,R=P

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PGC 58866		Galaxy Sb
Jun 24 2003 12.5" 9mmT6	EDIF,VF,PS,EL,PATCH,UB,NND,F*S IN AND SUR GLXY,R=P	
PGC 58938		Galaxy C
Jun 24 2003 12.5" 9mmT6	VF,MS,OVAL,*NUC,F* IN NUC,PAIRS=6238/6244,R=P	
PGC 58945		Galaxy S
Jun 24 2003 12.5" 9mmT6	DIF,VF,PS,PATCH,UB,NND,R=P	
PGC 58960		Galaxy Sb
Jun 24 2003 12.5" 9mmT6	VDIF,EF,VL,*NUC,AV COMES AND GOES,*,R=P	
PGC 59042		Galaxy E2 pec:
Mar 26 2006 31" 17mmT4	MF,VS,PATCH,VFSNUC,MULTI GLXY,PAIRS=PGC'S,R=F	
PGC 59048		Galaxy E2 pec:
Mar 26 2006 31" 17mmT4	VF,VS,PATCH,NND,MULTI GLXY,PAIRS=PGC'S,R=P	
PGC 59049		Galaxy E1:
Mar 26 2006 31" 17mmT4	PF,PS,R,BSNUC,MULTI GLXY,PAIRS=PGC,R=F	
PGC 59050		Galaxy SB(s)bc: pec
Mar 26 2006 31" 17mmT4	VF,VS,PATCH,NND,MULTI GLXY,PAIRS=PGC'S,R=P	
PGC 59054		Galaxy E0:
Mar 26 2006 31" 17mmT4	VF,VS,PATCH,NND,MULTI GLXY,PAIRS=PGC'S,R=P	
PGC 59093		Galaxy Pec
Jun 24 2003 12.5" 9mmT6	VF,MS,PATCH,UB,B* TO EDGE,R=P	
PGC 59159		Galaxy Sab
Apr 26 2006 31" 17mmT4	MF,PS,EL,FSNUC,TAPERED ENDS,SHISB CNTR,PAIR=PGC59168,R=F	
PGC 59168		Galaxy
Apr 26 2006 31" 17mmT4	EF,PS,UB,NND,AV COMES AND GOES,PAIR=PGC59159,R=P	
PGC 59287		Galaxy S
Jun 24 2003 12.5" 9mmT6	VDIF,EF,MS,PATCH,AV,PAIR=IC1237,R=P	
PGC 59348		Galaxy E
Jun 21 2003 12.5" 9mmT6	MF,MS,PATCH,*NUC,R=F	
PGC 59359		Galaxy C
Jun 24 2003 12.5" 9mmT6	EDIF,VF,PS,PATCH,AV COMES AND GOES,PAIR=6289,R=P	
PGC 59436		Galaxy Sc
Jun 21 2003 12.5" 9mmT6	MF,PS,BNUC,B* IN NUC,F HALO SUR *,R=P	

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PGC 59862		Galaxy Im pec
Mar 26 2006 31"	17mmT4	VF,PS,EL,PATCH,UB,NND,PAIR=PGC59864,R=F
PGC 59864		Galaxy SBm? pec
Mar 26 2006 31"	17mmT4	VF,PS,EL,PATCH,UB,NND,PAIR=PGC59862,R=F
PGC 59929		Galaxy C
Mar 04 2006 31"	17mmT4	MB,PS,EL,UB,NND,PAIRS=6345/6346/MAC,R=F
PGC 59943		Galaxy C
Mar 04 2006 31"	17mmT4	MF,ML,OVAL,FLNUC,PAIRS=6338/6345/OTHERS,R=F
Jun 22 2003 12.5"	9mmT6	EDIF,EF,VS,AV,SUSP,CLOSE COMP=6338,CL 4 OF 6,R=P
PGC 59944		Galaxy C
Mar 04 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,F* ON EDGE,PAIRS=6345/6338/OTHERS,R=P
PGC 60040		Galaxy C
Apr 26 2006 31"	17mmT4	PF,VS,R,PATCH,UB,NND,VF* OFF ONE SIDE,PAIR=6361,R=F
PGC 60138		Galaxy
Mar 04 2006 31"	17mmT4	VDIF,EF,PL,PATCH,UB,NND,* JUST OFF EDGE,R=P
PGC 60186		Galaxy S
Jun 23 2003 12.5"	9mmT6	DIF,VF,VS,PATCH,AV,EL,COMP=IC1261,R=P
PGC 60316		Galaxy S
Jun 23 2003 12.5"	9mmT6	DIF,EF,MS,APPEARS AS A PATCH ATTACHED TO 6381, COMP=6381,R=P
PGC 60325		Galaxy S?
Jun 24 2003 12.5"	9mmT6	MB,MS,SHISB,ON TIP OF IC1259,BOTH APPEAR AS ,EL GLXY,COMP=IC1259,OTHERS,R=G
PGC 60332		Galaxy
Jun 24 2003 12.5"	9mmT6	DIF,EF,VS,PATCH,AV,PAIR=IC1258 AND OTHERS,R=P
PGC 60339		Galaxy C
Jun 23 2003 12.5"	9mmT6	EF,PS,PATCH,UB,AV,F* IN AND SUR GLXY,F GLOW SUR * WITH AV,PAIR=6390,R=P
PGC 60359		Galaxy S
Jun 24 2003 12.5"	9mmT6	VF,VS,PATCH,AV,B* AND F* POINT TO IT,R=P
PGC 60374		Galaxy I
Jun 23 2003 12.5"	9mmT6	DIF,VF,MS,PATCH,UB,AV COMES AND GOES,PAIR=6390,R=P
PGC 60402		Galaxy (R')SB(r)b
Jun 23 2003 12.5"	9mmT6	MF,MS,EL,FNUC,SHISB,SLT BM,R=F
PGC 60529		Galaxy E/S0

Draco - The Dragon

PGC 60529		Galaxy E/S0
Jun 24 2003 12.5" 9mmT6	EDIF,EF,VS,PATCH,AV	COMES AND GOES,SUSP,LOC GOOD,GRP OF 6,R=P
PGC 60553		Galaxy E-S0
Jun 24 2003 12.5" 9mmT6	DIF,EF,MS,PATCH,UB,AV,	COMPANIONS=6420/6422,GRP OF 6,R=P
PGC 60721		Galaxy
Mar 26 2006 31" 17mmT4	PF,PS,PATCH,UB,V	CLOSE TO *,R=F
PGC 60781		Galaxy S
Jun 25 2003 12.5" 9mmT6	VDIF,VF,PS,PATCH,NND,	PAIR=6454,R=P
PGC 60794		Galaxy Sa
Jun 25 2003 12.5" 9mmT6	VF,PS,PATCH,	R=P
PGC 60804		Galaxy L
Jun 25 2003 12.5" 9mmT6	EDIF,EF,PS,PATCH,NND,	AV DET ONE TIME,SUSP,LOC GOOD,R=P
PGC 60812		Galaxy
Jun 25 2003 12.5" 9mmT6	EDIF,EF,VS,PATCH,AV	DET ONE TIME,SUSP,LOG GOOD,R=P
PGC 60822		Galaxy Compact
Jun 25 2003 12.5" 9mmT6	MF,VS,PATCH,*NUC,F*	IN GLXY,SLT BM,PAIR=6473,R=F
PGC 60838		Galaxy SBab:
Jun 25 2003 12.5" 9mmT6	DIF,PF,PS,OVAL,PATCH,	NND,R=F
PGC 60945		Galaxy SB
Jun 25 2003 12.5" 9mmT6	EDIF,EF,VS,SUSP,LOC	GOOD,PAIR=6493,R=P
PGC 62055		Galaxy S
Mar 26 2006 31" 17mmT4	VDIF,VF,MS,PATCH,NND,	AV,BET 2*S,PAIR=IC1291,R=P
PGC 62476		Galaxy E?
Jul 24 2006 31" 17mmT4	PF,PS,FSNUC,F*	OFFF ONE SIDE,PAIRS=PGC'S,R=F
PGC 62477		Galaxy E?
Jul 24 2006 31" 17mmT4	PF,PS,OVAL,FSNUC,	PAIRS=PGC'S,R=F
PGC 62478		Galaxy E
Jul 24 2006 31" 17mmT4	VF,VS,EL,PATCH,UB,NND,	AV FIRST THEN HOLDS,PAIRS=PGC'S,R=P
PGC 62484		Galaxy S
Jul 24 2006 31" 17mmT4	EDIF,EF,VS,PATCH,SUSP,	PAIRS=PGC'S,R=P
PGC 62755		Galaxy S
Jun 21 2003 12.5" 9mmT6	VDIF,EF,PS,EL,PATCH,	UB,NND,AV COMES AND GOES,LOC GOOD,R=P

Draco - The Dragon

PGC 63166

Sep 28 2013 36" 17mmT4 VF,MS,EDGE ON,PATCH,UB,NND,PA~70,R=F

Galaxy Scd:

PGC 63286

Sep 28 2013 36" 17mmT4 VF,MS,EDGE ON,PATCH,UB,NND,PA~60,R=F

Galaxy Scd:

PGC 63655

Oct 12 2012 36" 17mmT4 VF,MS,EL,UB,NND,F* OFF EDGE,R=P

Galaxy SBd

Equuleus - The Little Horse

IC	1360		Galaxy	
	Sep 23 2003 31"	17mmT4	MF,PS,EL,PATCH,FNUC,DUST LANE SUSP,SBM,R=F	
IC	1361		Galaxy S?	
	Sep 23 2003 31"	17mmT4	MF,PS,OVAL,PATCH,NND,SHISB CNTR,R=F	
IC	1364		Galaxy C	
	Sep 23 2003 31"	17mmT4	PB,ML,EL,BNUC,LR NUC,MHISB CNTR,R=G	
IC	1365		Galaxy E+	
	Sep 23 2003 31"	17mmT4	MB,ML,EL-OVAL,SLT HISB,SBM,L PATCHY NUC,R=F	
IC	1367		Galaxy	
	Sep 23 2003 31"	17mmT4	MF,MS,OVAL,PATCH,FNUC,SBM,R=F	
IC	1375		Galaxy	
	Sep 23 2003 31"	17mmT4	MB,MS,OVAL,FNUC,SNUC,VF* ON EDGE,R=F	
IC	1377		Galaxy Sb	
	Sep 10 2004 31"	17mmT4	MF,PL,OVAL,PATCH,UB,NND,R=F	
IC	1379		Galaxy	
	Sep 10 2004 31"	17mmT4	MF,PS,OVAL,PATCH,UB,VF* SUSP IN GLXY,R=P	
IC	5083		Galaxy	
	Sep 25 2003 31"	17mmT4	MB,MS,R,BSNUC,HISB CNTR,SHISB,R=G	
MAC	2122+0330		Galaxy	
	Sep 10 2004 31"	17mmT4	EDIF,EF,ES,SUSP,CLOSE COMP=PGC66659,R=P	
NGC	7015		Galaxy Sbc	VF,PS,GLBM
	Sep 25 2003 31"	17mmT4	VB,VL,R,FSNUC,FACE ON,ARMS DET,SHISB,R=E	
	Aug 03 2002 12.5"	12mm	DIF,PF,PS,OVAL-PATCH,UB,NO F*S CLOSE BY	
	Jul 08 1983 12.5"	12mm	EDIF,VF,MS,R,SBM	
NGC	7040		Galaxy S?	EF,VL,ME NS
	Oct 24 2003 31"	17mmT4	MF,VL,UB,NND,VF* ON EDGE,PATCHY,BKN PARTS DET,R=F	
	Aug 03 2002 12.5"	12mm	EDIF,VF,VS,OVAL PATCH,VF* SUSP IN GLXYAXY	
NGC	7046		H858-3 Galaxy SB(rs)cd	EF,PL,R,LBM
	Sep 23 2003 31"	17mmT4	PB,PL,OVAL,PATCH,FNUC,LNUC AREA,SHISB,R=G	
	Aug 03 2002 12.5"	12mm	EEDIF,EF,PS,OVAL PATCH WITH AV	
PGC	65808		Galaxy Pec	
	Sep 25 2003 31"	17mmT4	VDIF,PV,PS,PATCH,UB,NND,RP	
PGC	65831		Galaxy SBbc	

Equuleus - The Little Horse

PGC 65831		Galaxy SBbc
Sep 25 2003 31"	17mmT4	DIF,PF,MS,OVAL,PATCH,UB,NND,R=F
PGC 65834		Galaxy Sc
Sep 25 2003 31"	17mmT4	VDIF,VF,MS,PATCH,UB,NND,BET 2F*S,R=P
PGC 65866		Galaxy S?
Sep 25 2003 31"	17mmT4	MF,MS,PATCH,BNUC,VB CNTR CORE OR *,R=P
PGC 65868		Galaxy
Sep 25 2003 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,R=F
PGC 65871		Galaxy E
Sep 25 2003 31"	17mmT4	MF,MS,OVAL,PATCH,VF SNUC,SBM,R=F
PGC 65874		Galaxy
Sep 25 2003 31"	17mmT4	MF,MS,FSNUC,SBM,SHISB CNTR,R=F
PGC 65896		Galaxy S
Sep 25 2003 31"	17mmT4	MF,PS,OVAL,PATCH,UB,NND,SHISB THROT,R=F
PGC 65910		Galaxy
Sep 25 2003 31"	17mmT4	MF,PS,VFSNUC OR * NUC OR V*,R=F
PGC 65932		Galaxy
Sep 25 2003 31"	17mmT4	DIF,VF,VS,OVAL,PATCH,UB,NND,R=P
PGC 65947		Galaxy S
Sep 25 2003 31"	17mmT4	MF,MS,OVAL,UB,NND,VF* ON EDGE,COMP TO LOWER LEFT NO ID,R=F
PGC 65948		Galaxy
Sep 25 2003 31"	17mmT4	MF,PS,OVAL,PATCH,FSNUC,F* OFF EDGE,SHISB,R=F
PGC 65961		Galaxy
Sep 25 2003 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,VF * ON EDGE,R=F
PGC 66029		Galaxy S
Sep 25 2003 31"	17mmT4	MF,MS,EL,PATCH,UB,L CNTR AREA,SHISB,R=F
PGC 66035		Galaxy Double System
Sep 25 2003 31"	17mmT4	MF,ML,EL,PATCH,UB,NND,SHISB,2 VF*S BOTH SIDES OF NUC,B* ON EDGE,R=F
PGC 66065		Galaxy
Sep 25 2003 31"	17mmT4	MF,MS,OVAL,PATCH,FSNUC,KEEP B* OUT OF FOV,R=F
PGC 66066		Galaxy
Sep 25 2003 31"	17mmT4	DIF,VF,MS,PATCH,UB,NND,R=P

Equuleus - The Little Horse

PGC 66077		Galaxy C
Sep 25 2003 31"	17mmT4	MF,MS,OVAL,PATCH,FSNUC,SBM,R=F
PGC 66079		Galaxy S
Sep 25 2003 31"	17mmT4	MF,ML,OVAL,BLNUC,GMBM,HISB CNTR,SHISB,PAIR=PGC66085,R=G
PGC 66085		Galaxy Sa
Sep 25 2003 31"	17mmT4	MB,ML,EDGE ON,FLNUC,VF* ON EDGE,HISB CNTR,PAIR=PGC66079,R=G
PGC 66124		Galaxy C
Sep 25 2003 31"	17mmT4	DIF,VF,VS,OVAL,PATCH,UB,NND,R=P
PGC 66130		Galaxy C
Sep 25 2003 31"	17mmT4	MF,PS,OVAL,PATCH,FNUC,SBM,R=F
PGC 66143		Galaxy
Sep 25 2003 31"	17mmT4	MF,MS,EL,PATCH,FSNUC,SBM,R=F
PGC 66146		Galaxy Scd:
Sep 25 2003 31"	17mmT4	PB,PL,PATCH,UB,NND,MHISB,COMP=66150,R=G
PGC 66150		Galaxy Compact; HII
Sep 25 2003 31"	17mmT4	MB,MS,BSNUC,F HALO,COMP=66146,R=G
PGC 66164		Galaxy
Sep 25 2003 31"	17mmT4	VDIF,VF,MS,PATCH,UB,NND,CLSE * WASHES OUT OBJ,R=P
PGC 66201		Galaxy
Sep 23 2003 31"	17mmT4	PF,PS,PATCH,UB,NND,CLOSE COMP (OR *) DET BUT NOT IDENTIFIED,R=P
PGC 66218		Galaxy
Sep 25 2003 31"	17mmT4	DIF,VF,VS,PATCH,UB,NND,R=P
PGC 66243		Galaxy
Sep 25 2003 31"	17mmT4	DIF,VF,PS,PATCH,UB,F* OFF TIP,R=P
PGC 66280		Galaxy Sb
Sep 25 2003 31"	17mmT4	PF,MS,UB,NND,R=P
PGC 66282		Galaxy
Sep 25 2003 31"	17mmT4	MF,MS,OVAL,UB,NND,R=F
PGC 66287		Galaxy
Sep 25 2003 31"	17mmT4	VDIF,EF,VS,PATCH,UB,NND,VF* ON EDGE,AV,R=P
PGC 66289		Galaxy
Sep 25 2003 31"	17mmT4	MF,MS,OVAL,PATCH,FSNUC,PAIR=66304,R=F

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PGC 66300		Galaxy
Sep 25 2003 31"	17mmT4	DIF,PF,PS,OVAL,PATCH,SBM,PAIRS/66313/66325,R=P
PGC 66304		Galaxy C
Sep 25 2003 31"	17mmT4	MF,MS,EL,FSNUC,PAIR=66289,R=F
PGC 66313		Galaxy S
Sep 25 2003 31"	17mmT4	MB,ML,OVAL,BNUC,MHISB,B* ON EDGE (SN?),PAIRS/66325/66300,R=F
PGC 66324		Galaxy S
Sep 25 2003 31"	17mmT4	MF,MS,OVAL,PATCH,FNUC,SBM,R=F
PGC 66325		Galaxy Sc-Irr
Sep 25 2003 31"	17mmT4	EDIF,EF,VS,PATCH,NND,AV FIRST THEN HOLDS,PAIRS/66313/66300,R=P
PGC 66328		Galaxy SB
Sep 25 2003 31"	17mmT4	MB,ML,OVAL-R,FSNUC OR *NUC,R=F
PGC 66343		Galaxy SBb
Sep 25 2003 31"	17mmT4	MF,MS,PATCH,UB,NND,VF* ON EDGE,R=F
PGC 66355		Galaxy S0?
Oct 24 2003 31"	17mmT4	PF,MS,R,FSNUC,R=F
PGC 66365		Galaxy
Oct 24 2003 31"	17mmT4	VF,MS,R,VFNUC,R=P
PGC 66379		Galaxy
Oct 24 2003 31"	17mmT4	DIF,VF,VS,PATCH,NND,R=P
PGC 66395		Galaxy Sdm:
Oct 24 2003 31"	17mmT4	EDIF,EF,VS,PATCH,UB,AV,R=P
PGC 66404		Galaxy C
Oct 24 2003 31"	17mmT4	DIF,PF,ML,EDGE ON,UB,NND,LOOKS LIKE A SPIKE 'JET' COMING FROM *,R=F
PGC 66410		Galaxy C
Oct 24 2003 31"	17mmT4	VF,PS,EL,FSNUC,R=F
PGC 66416		Galaxy C
Oct 24 2003 31"	17mmT4	VDIF,VF,VS,PATCH,UB,CLOSE TO B* IN FOV,R=P
PGC 66426		Galaxy C
Oct 24 2003 31"	17mmT4	PF,MS,R,VFSNUC,F* OFF EDGE I GLXY DIA,R=P
PGC 66443		Galaxy S
Oct 24 2003 31"	17mmT4	DIF,MF,MS,OVAL,PATCH,UB,R=F

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PGC 66460		Galaxy L
Oct 24 2003 31"	17mmT4	VF,VS,OVAL,FSNUC,SBM,R=P
PGC 66465		Galaxy Sbc
Oct 24 2003 31"	17mmT4	VDIF,VF,MS,OVAL,PATCH,UB,R=P
PGC 66536		Galaxy
Oct 24 2003 31"	17mmT4	VDIF,VF,MS,OVAL,PATCH,UB,NND,R=P
PGC 66547		Galaxy S?
Sep 10 2004 31"	17mmT4	DIF,VF,MS,OVAL,PATCH,UB,R=P
PGC 66552		Galaxy SB(rs)cd
Sep 10 2004 31"	17mmT4	VDIF,VF,MS,OVAL,PATCH,UB,NND,R=P
PGC 66571		Galaxy
Sep 10 2004 31"	17mmT4	VDIF,VF,VS,PATCH,UB,SUR BY TRIANGLE OF **S,R=P
PGC 66581		Galaxy S
Sep 10 2004 31"	17mmT4	VDIF,EF,VS,OVAL,PATCH,NND,R=P
PGC 66584		Galaxy C
Sep 10 2004 31"	17mmT4	MB,VS,OVAL-R,BSNUC,* ON EDGE,MHISB CNTR,R=F
PGC 66597		Galaxy
Sep 23 2003 31"	17mmT4	PF,PS,OVAL,PATCH,FNUC,SNUC,R=F
PGC 66604		Galaxy Sc-Irr
Sep 10 2004 31"	17mmT4	DIF,VF,MS,PATCH,UB,NND,R=P
PGC 66624		Galaxy S
Sep 10 2004 31"	17mmT4	DIF,VF,MS,UB,NND,R=P
PGC 66634		Galaxy C
Sep 10 2004 31"	17mmT4	MF,MS,OVAL,FSNUC,SBM,R=F
PGC 66638		Galaxy
Sep 10 2004 31"	17mmT4	MF,PS,OVAL,FSNUC,MHISB,R=F
PGC 66640		Galaxy SB?b
Sep 10 2004 31"	17mmT4	EDIF,EF,MS,EL,PATCH,UB,NND,PAIR=PGC66642,R=P
PGC 66642		Galaxy C
Sep 10 2004 31"	17mmT4	MF,MS,R,BSNUC,MHISB CNTR,PAIR=PGC66640,R=F
PGC 66645		Galaxy
Sep 10 2004 31"	17mmT4	PF,PS,PATCH,UB,NND,R=P

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PGC 66659		Galaxy Chain
Sep 10 2004 31"	17mmT4	PF,PS,PATCH,UB,NND,CLOSE COMP=MAC,R=P
PGC 66663		Galaxy
Sep 10 2004 31"	17mmT4	EF,ES,SUSP,LOC GOOD,R=P
PGC 66666		Galaxy
Sep 10 2004 31"	17mmT4	DIF,EF,PS,PATCH,UB,NND,R=P
PGC 66675		Galaxy S
Sep 10 2004 31"	17mmT4	PF,PS,OVAL,PATCH,UB,R=F
PGC 66692		Galaxy
Sep 10 2004 31"	17mmT4	PF,PS,OVAL,UB,NND,B* CLOSE IN FOV,R=P
PGC 66709		Galaxy Sb
Sep 10 2004 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,R=F
PGC 66710		Galaxy C
Sep 10 2004 31"	17mmT4	PF,VS,OVAL,PATCH,FSNUC,R=F
PGC 66711		Galaxy
Sep 10 2004 31"	17mmT4	PF,PS,PATCH,UB,NND,PATCHY NUC,R=F
PGC 66744		Galaxy C
Sep 10 2004 31"	17mmT4	PF,PS,OVAL,PATCH,FSNUC,SLT BM,R=F
PGC 66745		Galaxy
Sep 10 2004 31"	17mmT4	DIF,VF,PS,OVAL,PATCH,UB,NND,R=P

Eridanus - The River

IC	285		Galaxy S?
	Sep 19 2020 36"	17mmT4	PF,MS,EL,PATCH,NND,PAIR=N1200,R=PF
IC	343		Galaxy SB(rs)0+:
	Nov 11 2020 36"	17mmT4	PF,PS,EL,PATCH,NND,R=F
IC	344		Galaxy SB
	Nov 11 2020 36"	17mmT4	PF,MS,PATCH,UB,NND,R=PF
IC	362		Galaxy E+?
	Nov 21 2006 12.5"	9mmT6	PF,MS,EL,FSNUC,R=F
IC	367		Galaxy (R')SA0-:
	Nov 21 2006 12.5"	12mmT4	PF,MS,OVAL,PATCH,UB,NND,R=F
IC	368		Galaxy S
	Nov 21 2006 12.5"	12mmT4	VF,VS,R,FSNUC,F* CLOSE BY OR ON EDGE,R=P
IC	369		Galaxy E/S0
	Nov 21 2006 12.5"	12mmT4	VF,PS,OVAL,PATCH,UB,NND,AV FIRST THEN HOLDS,R=P
IC	370		Galaxy SB(rs)c
	Nov 21 2006 12.5"	12mmT4	EF,VS,PATCH,SUSP,R=P
IC	399		Galaxy IAB(s)m pec:
	Dec 28 2008 31"	17mmT4	VF,PF,R,UB,NND,HICKSON GRP,R=P
IC	401		Galaxy SB(rs)b?
	Nov 17 2012 36"	17mmT4	MF,PS,EL,BSNUC,SBM,TAPERED ENDS,R=F
IC	402		Galaxy SAB(rs)cd
	Sep 06 2002 12.5"	9mmT6	EDIF,VF,PS,PATCH,UB
IC	1892		Galaxy SB(s)d pec
	Nov 17 2012 36"	17mmT4	VF,MS,OVAL,UB,NND,PAIRS=1228/1229/1230,R=PF
IC	1953		Galaxy SB(rs)d
	Oct 31 1980 12.5"	24mm	B* CLOSE BY WASHES GLXY OUT,AV
IC	2059		Galaxy SAB(r)0^:
	Nov 21 2006 12.5"	12mmT4	VF,MS,EL,PATCH,UB,NND,R=F
IC	2098		Galaxy Scd: sp
	Nov 17 2012 36"	17mmT4	MF,MS,EDGE ON,NND,THIN SLIVER,SLT CNTR BULGE,PA~110,R=F
IC	2118		H38-5
	Nov 11 2020 36"	31mmT5	(Lb 4),SNR,DIF,EF,EEL MANY FOV'S,W/O O111, JUST A HINT OF NEB,W/OIII,MORE DETAIL OF SNR
			Brт Nebula R
			F,EL,IF,1779 INV S

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MAC 0302-0441		Galaxy	
Sep 16 2009 31"	17mmT4	PF,PS,OVAL,UB,NND,ARP 179,R=F	
MAC 0305-0932		Galaxy	
Sep 19 2012 36"	17mmT4	MF,PS,EL,VFSNUC,PAIRS=1208/MAC,R=F	
MAC 0306-0934		Galaxy	
Sep 19 2012 36"	17mmT4	PF,MS,PATCH,UB,PAIRS=1208/MAC,R=PF	
MAC 0306-0935		Galaxy	
Sep 19 2012 36"	17mmT4	EF,VS,PATCH,AV HARD TO HOLD,OTHERS,HICKSON 23,R=P	
MAC 0306-0936		Galaxy	
Sep 19 2012 36"	17mmT4	VF,VS,PATCH,AV FIRST THEN HOLDS,OTHERS,HICKSON 23,R=P	
MAC 0308-2257		Galaxy	
Nov 17 2012 36"	17mmT4	EF,ES,PATCH,EXTENSION OF N1229,CANNOT SEP,R=P	
MAC 0322-0240		Galaxy	
Nov 11 2020 36"	17mmT4	VF,MS,EDGE ON,UB,AV FIRST THEN HOLDS,PAIR=N1308,R=P	
MAC 0329-2217		Galaxy	
Sep 12 2012 36"	17mmT4	EF,ES,SUSP,CANNOT SEP OR DETECT PAIR,PAIR=1347,R=P	
MAC 0339-0207		Galaxy	
Sep 12 2012 36"	17mmT4	EF,ES,COULD NOT DET,TOO CLOSE OR TOO F,PAIR=PGC'S,R=P	
MAC 0354-0832		Galaxy	
Sep 19 2012 36"	17mmT4	EF,VS,PATCH,1 OF 4,PAIRS=NGC'S,R=P	
MAC 0427-1019		Galaxy	
Oct 12 2012 36"	17mmT4	VF,VS,PATCH,COULD DETECT ONE OR THE OTHER BUT NOT BOTH AT SAME TIME,HICKSON 28,R=P	
NGC 1084		H64-1 Galaxy SA(s)c	VB,PL,E,GPMBM
Oct 24 1981 12.5"	12mm	MB,ML,EL,HISB,PATCHY,NND,VMBM	
Oct 31 1980 12.5"	24mm		
Sep 09 1980 12.5"	24mm		
NGC 1091		Galaxy (R')SAB(rs)a p?	VF,VS,R,SBMN
Sep 16 2009 31"	17mmT4	MF,ML,R,NND,OTHERS,R=F	
NGC 1092		Galaxy E?	VF,VS,R,SBMN
Sep 16 2009 31"	17mmT4	MB,ML,EL-OVAL,FLNUC,OTHERS,R=G	
NGC 1098		Galaxy SA(s)0-	F,VS,R,BMN,1ST OF 3
Sep 16 2009 31"	17mmT4	VB,PL,R,BLNUC,HISB,HICKSON,R=G	

Eridanus - The River

NGC 1099			Galaxy SB(rs)b	F,PS,LE,BMN,2ND OF 3
Sep 16 2009 31"	17mmT4	MB,PL,EL-OVAL,UB,NND,SHISB,OTHERS,R=G		
NGC 1100			Galaxy SAB(r)a:	F,VS,LE,BMN,3RD OF 3
Sep 16 2009 31"	17mmT4	MB,PL,EL-OVAL,VFLNUC,SMWHT BM,SLT MHISB,OTHERS,R=G		
NGC 1110			Galaxy SB(s)m: sp	EF,PL,E348
Dec 12 2012 36"	17mmT4	MF,ML,EDGE ON,PA~15,UB,NND,R=F		
NGC 1114		H449-3	Galaxy SA(r)c	PF,PL,PME,GLBM
Sep 06 2002 12.5"	9mmT6	EDIF,PF,PL,EL,UB,NND		
NGC 1125		H450-3	Galaxy (R')SB(r)0/a?	VF,S,LE,GBM
Sep 19 2020 36"	17mmT4	MB,MS,EL-EDGE ON,FLNUC,TOUCH=P10845,R=F		
NGC 1140		H470-2	Galaxy IBm pec:	PB,S,R,STELLAR
Oct 24 1981 12.5"	12mm	VDIF,PF,VS,R,BTR IN 16MM,NND,SBM		
NGC 1145			Galaxy Sc: sp	F,PL,PME,2S* F
Dec 12 2012 36"	17mmT4	MB,PL,EDGE ON,PA~60,UB,NND,MHISB,* OFF TIP,R=F		
NGC 1162		H469-3	Galaxy E:	F,R,GLBM,STELLAR
Sep 06 2002 12.5"	9mmT6	PF,PS,R,SVRL VF*S IN ARMS OF GLXY,SNUC RGN		
Sep 06 2002 12.5"	9mmT6	PB,PL,OVAL,BM,BLNUC,SBM		
NGC 1163			Galaxy SBbc? sp	VF,PS,ME75
Dec 12 2012 36"	17mmT4	MF,MS,EDGE ON,PA~140,UB,NND,SHISB,R=PF		
NGC 1172		H502-2	Galaxy E+:	PF,PL,R,PSBM
Oct 24 1981 12.5"	12mm	VDIF,PF,VS,BARELY VISIBLE IN 24MM,SM,R-OVAL,SBM,NUC SUSP		
NGC 1179			Galaxy SAB(r)cd	EF,PS,GBM,*12F1'
Oct 24 1981 12.5"	12mm	EDIF,EF,ML,NND,BARELY VISIBLE WITH AV		
NGC 1187		H245-3	Galaxy SB(r)c	PF,CL,PME,GBM*16,R
Oct 24 1981 12.5"	12mm	DIF,MF,PL,F*IN GLXY SUSP,L PATCH,OVAL,NNS IN 16MM		
Oct 31 1980 12.5"	24mm			
Sep 09 1980 12.5"	24mm			
NGC 1189			Galaxy SB(s)dm:	EF,VS,R,P1209
Sep 16 2009 31"	17mmT4	VF,MS,PATCH,NND,UB,OTHERS,R=P		
NGC 1190			Galaxy S0^: sp	EF,VS,R,P1209
Sep 16 2009 31"	17mmT4	PF,PS,EL,PATCH,UB,NND,OTHERS,R=F		
NGC 1191			Galaxy SB0-:	EF,VS,R,P1209
Sep 16 2009 31"	17mmT4	PF,PS,OVAL,PTCH,UB,NND,OTHERS,R=F		

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NGC 1192		Galaxy E?	EF,VS,R,P1209
Sep 16 2009 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,OTHERS,R=F	
NGC 1199		H503-2 Galaxy E3:	CB,PS,IR,SMBM
Sep 16 2009 31"	17mmT4	EB,EL,R,BLNUC,HISB,OTHERS,R=E	
Oct 24 1981 12.5"	12mm	DIF,MF,MS,BNUC,GBM,R	
NGC 1200		H475-2 Galaxy SA(s)0-	PF,CL,IR,BM,NF OF 2
Sep 19 2020 36"	17mmT4	MB,ML,R,BLNUC,F* OFF EDGE,SHISB CNTR,PAIR=IC285,R=F	
NGC 1208		H285-2 Galaxy SA(r)0/a?	PB,S,LE80,LBM
Sep 19 2012 36"	17mmT4	PB,ML,EL,BLNUC,HISB,PAIRS=MAC'S,R=G	
NGC 1209		H504-2 Galaxy E6:	B,S,CE,PSBM
Oct 24 1981 12.5"	12mm	DIF,MF,PS,NEC DET,R,SIM TO 1199	
NGC 1214		Galaxy SB(rs)0+?	F,PS,IR,1208P
Sep 19 2012 36"	17mmT4	MB,ML,EL,BSNUC,GBM,MHISB CNTR,OTHERS,HICKSON 23,R=G	
NGC 1215		Galaxy (R)SAB(r)a pec	EF,VS,R
Sep 19 2012 36"	17mmT4	MB,ML,R,BSNUC,SHISB CNTR,OTHERS,HICKSON 23,R=G	
NGC 1216		Galaxy S0+? sp	EF,S,STELLAR,3RD OF 3
Sep 19 2012 36"	17mmT4	MB,MS,EL,BSNUC,SHISB CNTR,OTHERS,HICKSON 23,R=FG	
NGC 1228		Galaxy (R')SB(rs)0+ p:	EF,ES,R,GBM,P OF 2
Nov 17 2012 36"	17mmT4	MF,MS,OVAL,BSNUC,MHISB,PAIRS=1229/1230/OTHERS,R=F	
NGC 1229		Galaxy SBb: pec	EF,ES,R,GBM,F OF 2
Nov 17 2012 36"	17mmT4	MF,MS,OVAL,PATCH,NND,PAIRS=1228/1230/OTHERS,R=F	
NGC 1230		Galaxy SB0^? pec	(F*)
Nov 17 2012 36"	17mmT4	PF,PS,OVAL,UB,NND,PAIRS=1228/1229/OTHERS,R=F	
NGC 1232		H258-2 Galaxy SAB(rs)c	PB,CL,R,GBM,R
Oct 24 1981 12.5"	12mm	DIF,MF,PL,VF* W 1 GLXY DIA,R,SPR STR SUSP,NND	
Oct 31 1980 12.5"	24mm		
Sep 09 1980 12.5"	24mm		
NGC 1239		H262-3 Galaxy SA0^ pec:	EF,STELLAR
Sep 19 2020 36"	17mmT4	MB,MS,OVAL,BLNUC,SHISB CNTR,R=F	
NGC 1241		H286-2 Galaxy SB(rs)b	F,PL,R,VGLBM,*9N
Nov 17 2012 36"	17mmT4	PB,ML,EL-OVAL,BLNUC,MHISB,HALO,GRAD MBM,PAIR=1242,R=G	
Oct 24 1981 12.5"	12mm	VDIF,MF,PS,S OF 2B*S,R,NND,PATCHY,MHISB,OBLONG	
NGC 1242		H591-3 Galaxy SB(rs)c:	VF,S

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NGC 1242		H591-3	Galaxy SB(rs)c:	VF,S
Nov 17 2012 36"	17mmT4	MV,ML,OVAL,PATCH,NND,PAIR=1241,R=F		
NGC 1247		H900-2	Galaxy Sbc sp	F,PL,E80
Dec 12 2012 36"	17mmT4	MF,ML,EDGE ON,PA~70,FLNUC,VF* CLOSE TO NUC,SLT CNTR BULGE,R=F		
NGC 1248		H443-3	Galaxy SA(s)0^:	CF,S,LE,BM,*9N5'
Nov 11 2020 36"	17mmT4	MB,PS,OVAL,BLNUC,MHISB CNTR,PAIR=PGC 11968,R=FG		
NGC 1253		H17-4	Galaxy SAB(rs)cd	*12W/NEB F,90"L
Nov 17 2012 36"	17mmT4	VB,VL,EL,NND,VF* IN GLXY,B* IN EDGE,PATCHY,GRAN,IRR,SHISB,GAS,DUST,PAIR=1253A,R=GE		
NGC 1253A			Galaxy SB(s)m	
Nov 17 2012 36"	17mmT4	MF,ML,PATCH,UB,NND,B* OFF EDGE,PAIR=1253,R=F		
NGC 1266		H194-3	Galaxy (R')SB(rs)0^ p:	VF,PS,*13SP2'
Sep 19 2020 36"	17mmT4	MB,ML,OVAL,UB,NND,SHISB,R=F		
NGC 1284		H956-3	Galaxy SA0^:	EF,VS,2*S
Nov 11 2020 36"	17mmT4	MF,MS,OVAL,UB,NND,R=F		
NGC 1287		H195-3	Galaxy Sa	VF,VS,IR
Nov 11 2020 36"	17mmT4	MF,MS,OVAL-R,UB,NND,MHISB,R=F		
NGC 1297			Galaxy SAB(s)0^ pec:	F,PS
Oct 24 1981 12.5"	12mm	VDIF,PF,F*N SIDE,NUC SUSP,R,PAIR/1300		
Oct 31 1980 12.5"	24mm	PAIR/1309		
NGC 1299		H287-2	Galaxy SB(rs)b?	VF,S,VLE,GBM,ER
Nov 11 2020 36"	17mmT4	MB,MS,EL-OVAL,UB,NND,MHISB,R=G		
NGC 1300			Galaxy SB(rs)bc	CB,VL,VME,PSVMBM
Oct 24 1981 12.5"	12mm	VDIF,PF,MS,PATCHY,NND,OVAL IN SHAPE,PAIR/1297		
Oct 31 1980 12.5"	24mm			
NGC 1304		H444-3	Galaxy E-S0	EF,VS
Nov 11 2020 36"	17mmT4	MB,MS,EL-OVAL,BLNUC,MHISB CNTR,F HALO,R=FG		
NGC 1308		H568-3	Galaxy SB(r)0/a	EF,S,IF,AM3OR4*
Nov 11 2020 36"	17mmT4	MF,MS,EL,FLNUC,SHISB CNTR,PAIR=MAC,R=F		
NGC 1309		H106-1	Galaxy SA(s)bc:	CB,CL,IR,GBM,*8SP4'
Oct 24 1981 12.5"	12mm	MB,ML,HISB,SBM,CLOSE TO B*		
Oct 31 1980 12.5"	24mm	PAIR/1297		
Sep 09 1980 12.5"	24mm			
NGC 1320		H197-3	Galaxy Sa: sp	F,S,R,BM

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NGC 1320		H197-3	Galaxy Sa: sp	F,S,R,BM
Nov 11 2020 36"	17mmT4	PB,MS,EL,LBNUD,HISB CNTR,PAIR=N1321,R=G		
NGC 1321		H196-3	Galaxy Sa	F,S,E PF,DOR BIN
Nov 11 2020 36"	17mmT4	PB,MS,EL,SMBNUC,F* IN NUC AREA,SN?,HISB CNTR,VMBM,PAIR=1320,R=G		
NGC 1322			Galaxy E/S0	VF,VS,R,BM
Nov 11 2020 36"	17mmT4	MB,MS,R,BLNUC,HISB CNTR,R=FG		
NGC 1323			Galaxy S0	EF,ES,*13SP25"
Nov 11 2020 36"	17mmT4	PF,PS,EL-EDGE ON,VFNUC,F* CLOSE BY,R=F		
NGC 1324		H445-3	Galaxy Sb:	VF,PS,PME
Nov 11 2020 36"	17mmT4	MF,ML,EL-OVAL,BLNUC,CIGAR SHAPE,MHISB CNTR,SOFT UB ARMS,R=F		
NGC 1325		H77-4	Galaxy SA(s)bc	F,ME239,COM,*9.5ATT
Oct 24 1981 12.5"	12mm	DIF,MF,PS,EL,B*W EDGE,NND,UB,F* TO S		
Oct 31 1980 12.5"	24mm	PAIR/1332		
NGC 1331		H959-3	Galaxy E2:	VF,VS
Nov 11 2020 36"	17mmT4	MF,MS,R,UB,NND,SHISB,TOUCH TIP OF N1332,PAIR=N1332,R=F		
NGC 1332		H60-1	Galaxy S(s)0-: sp	VB,S,E114,SMBMN
Nov 11 2020 36"	17mmT4	VB,VL,EL-EDGE ON,VBLNUC,COMP AT BOTH ENDS,MB ARMS,HISB CNTR,GRAN ARMS,PATCHY,PAIRS=N1331/P12827,R=GE		
Oct 24 1981 12.5"	12mm	MB,ML,BNUC,F* OFF W SIDE,OVAL		
Oct 31 1980 12.5"	24mm	PAIR/1325		
Sep 09 1980 12.5"	24mm			
NGC 1337			Galaxy SA(s)cd	EF,VL,ME NS
Oct 24 1981 12.5"	12mm	VDIF,MF,PL,EDGE ON,NND,UB		
Oct 31 1980 12.5"	24mm	GLXY HOP FROM 1332		
NGC 1346			Galaxy Sb pec?	EF,ES,R,BM,*13P
Feb 21 2006 31"	17mmT4	MB,MS,OVAL,FLNUC,SHISB,CLOSE COMP=PGC13009,F* OFF ONE EDGE,R=G		
NGC 1347			Galaxy SB(s)c: pec	EF,PS,E130,SBMN
Sep 12 2012 36"	17mmT4	VF,VS,OVAL,PATCH,UB,BOTH APPEAR AS ONE,CANNOT SEP OR DETECT,PAIR=MAC,R=PF		
NGC 1353		H246-3	Galaxy SB(rs)b:	PB,CL,IE,MBM
Oct 24 1981 12.5"	12mm	DIF,MF,PL,EDGE ON,F*N EDGE,UB,NND		
Oct 31 1980 12.5"	24mm	* AT EDGE OF GLXY		
NGC 1354		H487-3	Galaxy SAB(rs)0/a:	VF,S,LE,GLBM
Nov 11 2020 36"	17mmT4	MF,ML,EL,FLNUC,GMBM,SHISB CNTR,R=FG		
NGC 1357		H290-2	Galaxy SA(s)ab	PF,PL,R,LBM,*9NF

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NGC 1357		H290-2	Galaxy SA(s)ab	PF,PL,R,LBM,*9NF
Oct 24 1981 12.5"	12mm	MF,ML,16MM-PATCHY,SBM,BET 2*S,OVAL SHAPE		
Oct 31 1980 12.5"	24mm	BET 2*S ~10...11TH MAG		
NGC 1358		H446-3	Galaxy SAB(r)0/a	VF,S,BET2*
Oct 24 1981 12.5"	12mm	DIF,PF,PS,R,SBM		
Oct 31 1980 12.5"	24mm			
NGC 1359			Galaxy SB(s)m? pec	F,L,R,VGLBM
Oct 24 1981 12.5"	12mm	EDIF,VF,ML,R,NND,UB		
Oct 31 1980 12.5"	24mm	BNUC		
NGC 1362		H960-3	Galaxy S0^ pec:	VF,S,R
Nov 11 2020 36"	17mmT4	MF,PS,OVAL-R,FSNUC,R=F		
NGC 1370		H559-3	Galaxy E+:	VF,S,R,BET2*14
Nov 11 2020 36"	17mmT4	MB,ML,OVAL-R,UB,NND,MHISB,BET 2F*S,R=G		
NGC 1376		H288-2	Galaxy SA(s)cd	EF,PL,IR,BM,R
Oct 24 1981 12.5"	12mm	PF,ES,S OF *,V STELL,SLT DIF SUR EDGES,B CNTR RGN		
NGC 1377		H961-3	Galaxy S0^	F,S,R,GBM
Nov 11 2020 36"	17mmT4	MF,ML,OVAL,UB,NND,SHISB,R=F		
NGC 1386			Galaxy SB(s)0+	F
Oct 24 1981 12.5"	12mm	DIF,MF,PS,FNUC DET,PATCH,OVAL,PAIR/1389		
NGC 1389			Galaxy SAB(s)0-:	F
Oct 24 1981 12.5"	12mm	DIF,MF,PS,SBM,PATCHY,PAIR/1386		
NGC 1391			Galaxy SB(s)0^	EF,S,R,GBMN
Nov 11 2020 36"	17mmT4	PF,PS,EL,FLNUC,R=F		
NGC 1393		H451-3	Galaxy SA(r)0^:	F,S,R,GLBM
Nov 11 2020 36"	17mmT4	MF,PL,OVAL,BLNUC,HISB CNTR,R=FG		
NGC 1394			Galaxy S0^: sp	VF,VS,E170,SBMN
Nov 11 2020 36"	17mmT4	MF,MS,EL,BSNUC,SBM,R=F		
NGC 1395		H58-1	Galaxy E2	B,PS,E,PSMBM
Oct 24 1981 12.5"	12mm	MB,ML,BNUC,R,GMBM		
Sep 09 1980 12.5"	24mm			
NGC 1397		H569-3	Galaxy (R)SB(r)0/a	VF,VS,LE
Nov 11 2020 36"	17mmT4	MF,MS,OVAL,UB,NND,R=F		
NGC 1400		H593-2	Galaxy SA0-	CB,PS,R,PSMBM

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NGC 1400	H593-2	Galaxy SA0-	CB,PS,R,PSMBM
Nov 11 2020 36" 17mmT4	VB,VL,VBLNUC,HISB,GRAN HALO,R=G		
Oct 24 1981 12.5" 12mm	MB,ML,BNUC,R,PAIT/1407		
Oct 31 1980 12.5" 24mm	PAIR/1407		
Sep 09 1980 12.5" 24mm			
NGC 1401	H247-3	Galaxy SB(s)0^: sp	VF,VS,R
Nov 11 2020 36" 17mmT4	MB,MS,EL-EDGE ON,BLNUC,MHISB CNTR,R=FG		
NGC 1402		Galaxy SB0^ pec:	EF,VS,R
Nov 11 2020 36" 17mmT4	PF,PS,OVAL,BN,NND,R=F		
NGC 1407	H107-1	Galaxy E0	VB,L,R,SVMBMN
Nov 11 2020 36" 17mmT4	VB,VL,R,VBLNUC,HISB,MHISB,HALO,R=G		
Oct 24 1981 12.5" 12mm	MB,ML,B NUC,R,PAIR/1400		
Oct 31 1980 12.5" 24mm	PAIR/1400		
Sep 09 1980 12.5" 24mm			
NGC 1415	H267-2	Galaxy (R)SAB(s)0/a	PB,S,LE,PGLBM,*SF
Oct 24 1981 12.5" 12mm	DIF,MF,MS,R,GBM,MHISB		
NGC 1417	H455-2	Galaxy SAB(rs)b	PF,PL,LE,LBM,*SF
Nov 11 2020 36" 17mmT4	PB,PL,EL,BLNUC,HISB CNTR,SBM,PAIR=N1418,R=G		
Oct 24 1981 12.5" 12mm	VDIF,MF,PS,N OF F*,UB,FNUC DET		
NGC 1418	H456-2	Galaxy SB(s)b:	VF,S,E,*11SF1'
Nov 11 2020 36" 17mmT4	MB,ML,OVAL,UB,NND,SHISB,PAIR=N1417,R=FG		
NGC 1421	H291-2	Galaxy SAB(rs)bc:	F,CL,ME0,R
Oct 24 1981 12.5" 12mm	DIF,MF,ML,EDGE ON,UB,NND		
Oct 31 1980 12.5" 24mm	EDGE ON,IMPRESSIVE!!		
Sep 09 1980 12.5" 24mm			
NGC 1424		Galaxy SAB(rs)b:	VF,*10,11 NP
Nov 11 2020 36" 17mmT4	MF,ML,EL-OVAL,UB,NND,R=F		
NGC 1426	H248-3	Galaxy E4	PF,S,LE,BM
Oct 24 1981 12.5" 12mm	MF,MS,FNUC,SBM,R,PAIR/1439		
NGC 1427A		Galaxy IB(s)m	
Oct 12 2012 36" 17mmT4	PF,PL,PATCH,UB,NND,13 DEG ABOVE HRZN,R=F		
NGC 1439	H249-3	Galaxy E1	F,PS,GPMBM
Oct 24 1981 12.5" 12mm	DIF,PF,PS,SBM,R,*NUC,PAIR/1426		
NGC 1440	H458-2	Galaxy (R')SB(rs)0^	PB,PS,R,SMBM*13
Oct 24 1981 12.5" 12mm	DIF,MF,MS,PATCHY,FNUC DET,OVAL,PAIR/1452		

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NGC 1441		H597-2	Galaxy SB(s)b	VF,S,IE,*12F
Nov 11 2020 36"	17mmT4	PB,ML,EL,BLNUC,MHISB CNTR,SBM,TRI PAIRS,R=G		
NGC 1449			Galaxy S0	VF,VS,VLE
Nov 11 2020 36"	17mmT4	MB,MS,EL-OVAL,BLNUC,HISB CNTR,TRI PAIRS,R=G		
NGC 1451			Galaxy SO-?	VF,VS,LE
Nov 11 2020 36"	17mmT4	MB,MS,OVAL,BLNUC,HISB CNTR,TRI PAIRS,R=G		
NGC 1452		H459-2	Galaxy (R')SB(r)0/a	F,R,LBM
Oct 24 1981 12.5"	12mm	DIF,MF,PS,SAME DESC AS 1440,PAIR/1440		
NGC 1453		H155-1	Galaxy E2-3	PB,S,R,*17M
Nov 11 2020 36"	17mmT4	PB,ML,R,BLNUC,HISB,MHISB GRAN HALO,TRI PAIRS,R=G		
Oct 30 1981 12.5"	12mm	MB,MS,BNUC,SBM,OVAL,*NUC		
NGC 1461		H460-2	Galaxy SA(r)0^	PB,S,LE,MBMN
Oct 30 1981 12.5"	12mm	DIF,MB,PS,BNUC,SLT EL,UB IN NUC,MBM		
NGC 1472			Galaxy S0	VF,ES,STELN,1ST OF 3
Sep 19 2012 36"	17mmT4	MF,MS,OVAL,FLNUC,4 OF 4,PAIRS=NGC'S/MAC,R=F		
NGC 1477			Galaxy E	EF,VS,2ND OF 3
Sep 19 2012 36"	17mmT4	MF,MS,OVAL,FLNUC,3 OF 4,PAIRS=NGC'S/MAC,R=F		
NGC 1478			Galaxy S0	EF,VS,3RD OF 3
Sep 19 2012 36"	17mmT4	MF,MS,OVAL,FLNUC,2 OF 4,PAIRS=NGC'S/MAC,R=F		
NGC 1482		H962-3	Galaxy SA0+ pec sp	F,S,VLE,2*10NR,F OF2
Nov 11 2020 36"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,R=F		
NGC 1507		H279-2	Galaxy SB(s)m pec?	VF,PL,ME,VLBM,ER
Oct 30 1981 12.5"	12mm	DIF,PF,ML,EDGE ON,SLT HISB,NND,F*E,2*S W 1 GLXY DIA,EDGES TAPERED		
NGC 1516A		H499-3	Galaxy SBbc	EEF,S,E,PSMBM,ER
Nov 11 2020 36"	17mmT4	VF,PS,PATCH,NND,TOUCH=N1516B,CAN JUST BARELY SEP TWO,R=PF		
NGC 1516B		H499-3	Galaxy Sc	EEF,S,E,PSMBM,ER
Nov 11 2020 36"	17mmT4	VF,PS,PATCH,NND,TOUCH=N1516A,CAN JUST BARELY SEP TWO,R=PF		
NGC 1518			Galaxy SB(s)dm	BL,PME,GBM,*8SP
Oct 30 1981 12.5"	12mm	DIF,MF,ML,EL,MHISB,PATCHY,NND,B*W,PAIR/1521 IN 24MM		
Sep 09 1980 12.5"	16mm			
NGC 1521			Galaxy E3:	PB,R,BM
Oct 30 1981 12.5"	12mm	DIF,PF,MS,DNUC,SOFT BNUC,SBM,ARMS IN TIGHT?,PAIR/1518 IN 24MM		

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NGC 1531		Galaxy S0- pec:	PB,PL,R,BM,NP OF 2
Sep 19 2012 36"	17mmT4	MB,MS,OVAL,FLNUC,PAIR=1532,R=FG	
Oct 30 1981 12.5"	12mm	DIF,MF,PL,DNUC,SBM,R,PATCHY,POORLY DEFINED SPRIAL STR SUSP,COMP CLOSE?	
NGC 1532		Galaxy SB(s)b pec sp	B,VL,VME32,PSMBM
Sep 19 2012 36"	17mmT4	MB,VL,EL-EDGE ON,BLNUC,FARMS,16 DEG ABOVE HRZN,L CNTR REG,CIGAR SHAPE,PAIR=1531,R=G	
Oct 30 1981 12.5"	12mm	DIF,MF,VL,VEDGE ON,FNUC,SBM,DUST LANE SUSP,MHISB,CLOSE COMPANION SUSP	
NGC 1535		H26-4	Planetary Neb 4+2c
Dec 28 2008 31"	17mmT4	VB,ML,R,CNTR*12M,OIII B INNER RING,R HALO,HISB CNTR,OIII HELPS SMWHT,R=E	PLN,VB,S,R,PS,VSBM,R
Oct 30 1981 12.5"	12mm	BLUE,MB,PL,B CNTR,12MAG CNTR *	
Oct 31 1980 12.5"	24mm	SIM IN COLOR TO SATURN NEB,FIND 1537 FIRST,GREAT!!!	
NGC 1537		Galaxy SAB0- pec?	VB,PS,LE,PSVMBM
Nov 21 2006 12.5"	12mmT4	MB,ML,OVAL,BLNUC,HISB CNTR,R=F	
Oct 31 1980 12.5"	24mm		
NGC 1538		Galaxy E	EF,VS,R,GBM
Nov 21 2006 12.5"	12mmT4	DIF,VF,MS,OVAL,PATCH,UB,NND,R=P	
NGC 1540		Galaxy S	VF,VS,E,GVLBM,R
Nov 21 2006 12.5"	9mmT6	EF,PS,PATCH,UB,NND,AV,PAIR=1540A,R=F	
NGC 1540A		Galaxy Sa? pec	
Nov 21 2006 12.5"	9mmT6	EF,PS,PATCH,UB,NND,AV,PAIR=1540,R=P	
NGC 1547		Galaxy SB(rs)bc pec:	PF,PS,IR,(CLORNEBW*)
Nov 21 2006 12.5"	9mmT6	VF,VS,OVAL,PATCH,FVSNUC,R=P	
NGC 1552		H490-3	Galaxy SAB(r)0+?
Nov 21 2006 12.5"	9mmT6	MF,PS,OVAL,FLNUC,R=F	CF,PS,LE,VGBM,*11SP
NGC 1561		Galaxy E/S0	VF,VS,LE170,GLBM,*8P
Nov 21 2006 12.5"	12mmT4	VF,PS,OVAL,PATCH,UB,NND,R=P	
NGC 1562		Galaxy S0	VF,ES,R,GLBM
Nov 21 2006 12.5"	12mmT4	VF,MS,OVAL,PATCH,UB,NND,AV FIRST THEN HOLDS,R=P	
NGC 1563		Galaxy E1?	EF,VS,R,LBM,DW/1564
Nov 21 2006 12.5"	12mmT4	PATCH,SUSP,PAIR=1564,R=P	
NGC 1564		Galaxy S0	EF,VS,R,LBM,DW/1563
Nov 21 2006 12.5"	12mmT4	EF,PS,PATCH,UB,AV,PAIR=1563,R=P	
NGC 1565		Galaxy Sc	EF,PS,LE
Nov 21 2006 12.5"	12mmT4	EF,VS,PATCH,AV,R=P	

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NGC 1576		H587-3	Galaxy S0-:	EF,BM,BET2*
Nov 11 2020 36"	17mmT4	MF,PS,OVAL,BSNUC,SHISB,R=F		
NGC 1577			Galaxy SBb	VF,PL,R,LBM,*NR S
Oct 12 2012 36"	17mmT4	DIF,PF,MS,OVAL,PATCH,NND,GRAN,SHISB,R=F		
NGC 1599			Galaxy SB(s)c pec:	VF,VS,R,VLBM
Oct 30 1981 12.5"	12mm	EF,ML,PATCHY,HISB TOWARDS CNTER,LOCATE 1600 FIRST		
NGC 1600		H158-1	Galaxy E3	PB,PL,R,GMBM
Oct 30 1981 12.5"	12mm	MB,ML,BNUC,F COMP NE 1 GLXY DIA,R,GMBM,PAIR/1601		
Oct 31 1980 12.5"	24mm	DIF,UB,RESEMBLES CRAB NEB		
Sep 09 1980 12.5"	12mm	RESEMBLES * IN S TRI		
NGC 1601			Galaxy S0: sp	VF,VS
Oct 30 1981 12.5"	12mm	EDIF,EF,ES,ALM STELL,PAIR/1600		
NGC 1609		H585-3	Galaxy (R')S0+ pec:	VF,ES,*17 45"N
Nov 11 2020 36"	17mmT4	MF,PS,EL-OVAL,BSNUC,R=F		
NGC 1611		H586-3	Galaxy (R')SB(rs)0+ p?	EF,S,E90
Nov 11 2020 36"	17mmT4	PF,MS,EL-EDGE ON,PATCH,UB,NND,PAIRS=N1613/N1612,R=F		
NGC 1612			Galaxy SB(r)0/a	VF,VS,R,GMBM
Nov 11 2020 36"	17mmT4	PF,PS,OVAL,VFNUC,PAIRS=N1611/N1613,R=F		
NGC 1613			Galaxy SAB(rs)0+?	F,VS,R,MBM
Nov 11 2020 36"	17mmT4	MF,PS,OVAL,BSNUC,PAIRS=N1611/N1612,R=F		
NGC 1614			Galaxy SB(s)c pec	PF,S,R,LBM
Nov 17 2012 36"	17mmT4	MB,MS,OVAL,BLNUC,MHISB,THIN IRR HALO SUR NUC,R=FG		
NGC 1618		H524-2	Galaxy SB(r)b:	F,S,IF,LBM,2*SF
Sep 06 2002 12.5"	9mmT6	VDIF,BF,PL,EL,PATCH,KEEP B* OUT OF FOV,UB,PAIR/1622/1625		
NGC 1620		H514-2	Galaxy SAB(rs)bc	VF,PL,ME140,B**NF
Nov 11 2020 36"	17mmT4	PF,VL,EL-OVAL,UB,NND,VF* OUTER EDGE,PATCHY,GRAN,SPR STR?,R=F		
NGC 1622			Galaxy SAB(r)ab:	VF,S,*20P5S,1618P
Sep 06 2002 12.5"	9mmT6	VDIF,PF,PL,EL,PATCH,UB,KEEP B* OUT OF FOV,PAIR/1618/1625		
Oct 30 1981 12.5"	12mm	VDIF,VF,VS,PATCHY,SBM,LOCATE 1625 FIRST,PAIR/1625		
NGC 1625			Galaxy SB(rs)b:	VF,E141,SBM,F*ATT NP
Sep 06 2002 12.5"	9mmT6	DIF,MB,PL,EL,UB,F* IN GLXYALXY EDGE,PAIR/1618/1622		
Oct 30 1981 12.5"	12mm	DIF,MF,PL,VEDGE ON,14*N END OF GLXY,NND,PAIR/1622		
NGC 1635		H515-2	Galaxy (R)SB(r)0/a	F,S,R,BM,*11NF 12S

Eridanus - The River

NGC 1635		H515-2	Galaxy (R)SB(r)0/a	F,S,R,BM,*11NF 12S
Nov 11 2020 36"	17mmT4	MF,MS,OVAL,FLNUC,SHISB,R=F		
NGC 1636		H522-2	Galaxy (R')SB(rs)ab:	VF,PS,R,VGBM,R,*NF1'
Nov 11 2020 36"	17mmT4	MF,MS,OVAL,UB,NND,R=F		
NGC 1637		H122-1	Galaxy SAB(rs)c	CB,L,R,VGBM
Oct 30 1981 12.5"	12mm	MB,PL,F*NE EDGE,SPR STR SUSP,*NUC,R,FACE ON		
Oct 31 1980 12.5"	24mm	L,F		
NGC 1638		H525-2	Galaxy SAB(rs)0^?	F,PL,LE
Oct 30 1981 12.5"	12mm	DIF,MF,PS,BNUC,R,BM		
Oct 31 1980 12.5"	24mm			
NGC 1640			Galaxy SB(r)b	VF,PS,E40,GBM
Oct 30 1981 12.5"	12mm	DIF,MB,ML,SBM,NUC DET,B AREA SUSP,24MM-HISB,DOESNOT TAKE POWER WELL		
Oct 31 1980 12.5"	24mm	FORMS TRI WITH 2F*S ~10TH MAG		
NGC 1643		H588-3	Galaxy SB(r)bc pec?	EF,VS,IR,BM
Nov 11 2020 36"	17mmT4	MF,PS,OVAL,UB,NND,SHISB,R=F		
NGC 1645			Galaxy (R')SB(rs)0+ p	VF,PS,R,1643NP
Nov 11 2020 36"	17mmT4	PF,PS,PATCH,UB,NND,R=F		
NGC 1646		H523-2	Galaxy E/S0	F,VS,IR,BM,*7NP
Nov 11 2020 36"	17mmT4	PF,PS,EL,UB,NND,KEEP B* OUT OF FOV,R=F		
NGC 1648			Galaxy S0	EEF,PS,VDIFFIC,46SP
Nov 11 2020 36"	17mmT4	VF,VS,PATCH,NND,KEEP B* OUT OF FOV,AV FIRST THEN HOLDS,R=P		
NGC 1653		H526-2	Galaxy E+:	F,CS,R,LBM
Nov 11 2020 36"	17mmT4	MB,PS,R,BLNUC,MHISB CNTR,GRAN HALO,R=F		
NGC 1659		H589-3	Galaxy SA(r)bc pec	PF,PS,IE90,BM
Oct 30 1981 12.5"	12mm	VDIF,MF,MS,R,PATCHY,SBM		
NGC 1665		H457-2	Galaxy SA(s)0+ pec?	EF,PL,R,LBM
Nov 11 2020 36"	17mmT4	VF,MS,EL,FLNUC,R=F		
NGC 1667			Galaxy SBc	PF,PS,R,(R)
Oct 30 1981 12.5"	12mm	DIF,MF,PS,UB,R,PATCHY		
NGC 1700		H32-4	Galaxy E4	CB,S,MBM*
Oct 30 1981 12.5"	12mm	MB,ML,R,BNUC		
Oct 31 1980 12.5"	24mm	COMPACT SNUC		
Sep 09 1980 12.5"	24mm			

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NGC 1720		Galaxy SB(s)ab	PF,PL,LBM,1726NR
Oct 30 1981	12.5" 12mm	VDIF,VF,ML,PATCHY,NNS,PAIR/1726	
NGC 1721		Galaxy (R')SAB(s)0⁺ p	VF,VS,R
Nov 17 2012	36" 17mmT4	MB,MS,OVAL,BLNUC,MHISB,HISB CNTR,PAIRS=1725/1728,R=FG	
NGC 1723		Galaxy SB(r)a pec	F,BET2*9,10N\$\$,3RD*F
Nov 17 2012	36" 17mmT4	MB,ML,EL,BLNUC,HISB CNTR,TAPERED HALO SUR NUC,R=G	
NGC 1725		Galaxy E/S0	EF,VS,R
Nov 17 2012	36" 17mmT4	MB,MS,OVAL,BLNUC,MHISB,HISB CNTR,PAIRS=1721/1728,R=FG	
NGC 1726		Galaxy SA(s)0⁺:	F,R,*13,S
Oct 30 1981	12.5" 12mm	F* OFF E SIDE,HISB,BM,PAIR/1720	
NGC 1728		Galaxy Sa pec sp	VF,VS,R
Nov 17 2012	36" 17mmT4	MB,MS,EL,BLNUC,MHISB,HISB CNTR,PAIRS=1725/1725,R=FG	
NGC 1741		Galaxy Pec	VF,VS,VSEXCENT PTINV
Dec 28 2008	31" 17mmT4	PF,EL,NND,INTRACT=PGC16573,CAN BARELY SEP W/AV,TGT IRR SHAPE,R=F	
NGC 1779		H500-3 Galaxy (R')SAB(r)0/a?	PB,S,R,GPMBM
Sep 06 2002	12.5" 9mmT6	PB,ML,MHISB IN CNTR,OVAL PATCH,LNUC	
PGC 10561		Galaxy Sa	
Sep 16 2009	31" 17mmT4	MF,MS,BLNUC,PAIR=PGC10564,R=G	
PGC 10564		Galaxy Sb	
Sep 16 2009	31" 17mmT4	VF,PS,OVAL,PATCH,UB,NND,PAIR=PGC10561,R=F	
PGC 10845		Galaxy Sa	
Sep 19 2020	36" 17mmT4	EF,VS,PATCH,NND,TOUCH=N1125,R=P	
PGC 11432		Galaxy	
Sep 16 2009	31" 17mmT4	VF,VS,PATCH,UB,NND,ARP 179,R=P	
PGC 11491		Galaxy L	
Sep 16 2009	31" 17mmT4	VF,VS,PATCH,NND,AV HOLDS AFTER A WHILE,PAIR=PGC11493,R=P	
PGC 11493		Galaxy Sc	
Sep 16 2009	31" 17mmT4	VF,VS,PATCH,NND,AV HOLDS AFTER A WHILE,PAIR=PGC11491,R=P	
PGC 11529		Galaxy	
Sep 16 2009	31" 17mmT4	PF,PS,EL,UB,NND,PAIR=PGC11536,R=F	
PGC 11536		Galaxy Scd	
Sep 16 2009	31" 17mmT4	PF,PS,EL,UB,NND,PAIR=PGC11529,R=F	

Eridanus - The River

PGC 11673		Galaxy Sd
Sep 19 2012 36"	17mmT4	MF,PS,OVAL,UB,NND,OTHERS,HICKSON 23,R=F
PGC 11690		Galaxy S
Sep 19 2012 36"	17mmT4	VF,VS,PATCH,UB,AV HOLDS,OTHERS,HICKSON 23,R=P
PGC 11968		Galaxy S?
Nov 11 2020 36"	17mmT4	EF,VS,PATCH,AV HOLDS,PAIR=N1248,R=P
PGC 12472		Galaxy S
Sep 19 2012 36"	17mmT4	VF,VS,PATCH,CAN SEP PGC 12477 WITH AV,PAIRS=PGC'S,HICKSON 24,R=P
PGC 12477		Galaxy S?
Sep 19 2012 36"	17mmT4	PF,PS,PATCH,UB,NND,CAN SEP PGC 12472 WITH AV,PAIRS=PGC'S,HICKSON 24,R=F
PGC 12489		Galaxy
Sep 19 2012 36"	17mmT4	EF,ES,*,AV ONCE OR TWICE,OTHERS,HICKSON 24,SUSP,R=P
PGC 12492		Galaxy S
Sep 19 2012 36"	17mmT4	EF,VS,AV ONCE OR TWICE,SUSP,OTHERS,HICKSON 24,R=P
PGC 12501		Galaxy S?
Sep 19 2012 36"	17mmT4	PF,PS,EL,BNUC,* IN EDGE,MHISB CNTR,PAIRS=PGC'S,HICKSON 24,R=PF
PGC 12604		Galaxy L
Sep 12 2012 36"	17mmT4	EF,ES,PATCH,AV ONLY ONCE,SUSP,HICKSON 26,R=P
PGC 12610		Galaxy
Sep 12 2012 36"	17mmT4	VF,PS,EL,UB,WITH AV SOME SEP DET,INTRACT,ALL 4 APPEAR AS ONE ELDON'T KNOW WHICH GLXY IS WHO,HICKSON 26,R=P
PGC 12611		Galaxy SBd pec sp
Sep 12 2012 36"	17mmT4	VF,PS,EL,UB,WITH AV SOME SEP DET,INTRACT,ALL 4 APPEAR AS ONE ELDON'T KNOW WHICH GLXY IS WHO,HICKSON 26,R=P
PGC 12613		Galaxy S
Sep 12 2012 36"	17mmT4	VF,PS,EL,UB,WITH AV SOME SEP DET,INTRACT,ALL 4 APPEAR AS ONE ELDON'T KNOW WHICH GLXY IS WHO,HICKSON 26,R=P
PGC 12614		Galaxy S0?
Sep 12 2012 36"	17mmT4	VF,PS,EL,UB,WITH AV SOME SEP DET,INTRACT,ALL 4 APPEAR AS ONE ELDON'T KNOW WHICH GLXY IS WHO,HICKSON 26,R=P
PGC 12798		Galaxy Sdm: sp
Jan 29 2014 36"	17mmT4	EF,VS,EDGE ON,SUSP,R=P
PGC 12827		Galaxy S?
Nov 11 2020 36"	17mmT4	EF,VS,PATCH,NND,JUST OFF TIP OF 1332, OPSITE SIDE OF N1331,PAIR=N1332,AV,R=P

Eridanus - The River

PGC 13005		Galaxy Sa pec sp
Feb 21 2006 31"	17mmT4	VF,MS,EDGE ON,PATCH,UB,NND,CLOSE COMP=1346,R=P
PGC 13489		Galaxy SB
Sep 12 2012 36"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,COULD NOT DET PAIR,PAIR=MAC/PGC 13496,R=F
PGC 13496		Galaxy Sbc
Sep 12 2012 36"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,PAIR=PGC13489,R=F
PGC 13646		Galaxy Sc: sp
Dec 12 2012 36"	17mmT4	MF,ML,EDGE ON,PA~30,NND,R=F
PGC 13820		Galaxy Sc sp
Dec 12 2012 36"	17mmT4	MF,PL,EDGE ON,PA~25,FSNUC,SLT CNTR BULGE,TAPERED ENDS,R=PF
PGC 14861		Galaxy S
Oct 12 2012 36"	17mmT4	EF,ES,PATCH,AV ONLY ONCE,HICKSON 27,R=P
PGC 14863		Galaxy S?
Oct 12 2012 36"	17mmT4	VF,VS,PATCH,TOOK AV A WHILE TO HOLD,HICKSON 27,R=P
PGC 14870		Galaxy S
Oct 12 2012 36"	17mmT4	EF,ES,PATCH,AV COMES AND GOES,HICKSON 27,R=P
PGC 14873		Galaxy S
Oct 12 2012 36"	17mmT4	VF,VS,PATCH,NND,AV FIRST THEN HOLDS,HICKSON 27,R=P
PGC 15135		Galaxy E?
Oct 12 2012 36"	17mmT4	EF,ES,PATCH,AV TOOK A WHILE,HARD TO HOLD,HICKSON 28,R=P
PGC 15136		Galaxy S?
Oct 12 2012 36"	17mmT4	VF,VS,OVAL,NND,HICKSON 28,R=P
PGC 15139		Galaxy S
Oct 12 2012 36"	17mmT4	EF,VS,PATCH,COULD DETECT ONE OR THE OTHER BUT NOT BOTH AT SAME TIME,HICKSON 28,R=P
PGC 15559		Galaxy S?
Oct 12 2012 36"	17mmT4	EF,ES,PATCH,18 DEG ABOVE HRZN,V* ON EDGE,ONLY SUSP,AV ONLY ONCE,OTHERS OUT OF QUESTION,TOO F,HICKSON 29,R=P
PGC 15620		Galaxy (R')SB(rs)0+:
Feb 20 2006 31"	17mmT4	PB,ML,OVAL,BLNUC,MHISB,PAIRS=PGC'S,HICKSON 30,R=G
PGC 15624		Galaxy S?
Feb 20 2006 31"	17mmT4	VDIF,EF,VS,PATCH,NND,AV COMES AND GOES,PAIRS=PGC'S,HICKSON 30,R=P
PGC 15631		Galaxy (R')SAB(rs)0+:

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PGC 15631		Galaxy (R')SAB(rs)0+:
Feb 20 2006 31"	17mmT4	PB,ML,EL,BLNUC,MHISB,PAIRS=PGC'S,HICKSON 30,R=G
PGC 15632		Galaxy L
Nov 17 2012 36"	17mmT4	MF,PS,OVAL,FLNUC,PAIR=PGC15637,R=F
PGC 15636		Galaxy S
Feb 20 2006 31"	17mmT4	VDIF,EF,VS,PATCH,NND,AV COMES AND GOES,PAIRS=PGC'S,HICKSON 30,R=P
PGC 15637		Galaxy Sa
Nov 17 2012 36"	17mmT4	MF,MS,EL,FLNUC,SHISB,* JUSTG OFF NUC,PAIR=PGC15632,R=F
PGC 15655		Galaxy S0-
Nov 17 2012 36"	17mmT4	MB,ML,EL-OVAL,BLNUC,MHISB CNTR,R=FG
PGC 16261		Galaxy S
Nov 17 2012 36"	17mmT4	MF,MS,EL-OVAL,FLNUC,SHISB,R=F
PGC 16570		Galaxy SB(s)m pec sp
Dec 28 2008 31"	17mmT4	VF,EDGE ON,HICKSON GRP,UB,NND,R=F
PGC 16571		Galaxy S?
Dec 28 2008 31"	17mmT4	DID NOT DETECT,LOC GOOD
PGC 16573		Galaxy SB(s)m pec:
Dec 28 2008 31"	17mmT4	PF,EL,BLNUC,INTRACT=1741,CAN BARELY SEP W/AV,TGT IRR SHAPE,R=F
PGC 16691		Galaxy Radio galaxy
Nov 17 2012 36"	17mmT4	MF,PS,OVAL,UB,NND,R=F
These Need Fixed - Temporary Holder		
PK 58-5.1		Planetary Neb
Oct 17 2023 12.5"	9mmT6	DIF,VF,ES,EFNUC,IN PART OF ASTERISM #64 Leither 4. SLT BM,V S PACH OF NEB,R=P
PK 173+2.1		Planetary Neb
Oct 18 2023 12.5"	9mmT6	MF,ES,VS LIGHT BLUE PLANETARY,AV DET A LGR BALL,R=F
PK 357+1.3		Planetary Neb
Jun 28 2019 36"	17mmT4	VF,VS,OVAL,PATCH,UB,NO CNTR *,V S BLUEISH BALL,R=P

Fornax - The Furnace

NGC 686 Sep 19 2020 36"	17mmT4	H459-3 PB,ML,OVAL-R,BLNUC,MHISB CNTR,B* IN FOV,R=FG	Galaxy SA0-:	VF,VS,R,GBM,ER,2*NR
NGC 922 Sep 19 2020 36"	17mmT4	H239-3 MB,PL,OVAL,BLNUC,SHISB,CNTR NUC OFF CNTR,HALO TO SIDE,SPR STR SUSP,R=FG	Galaxy SB(s)cd pec	CF,PL,R,GPMBM
NGC 1097 Sep 16 2009 31" Sep 10 1980 12.5" Sep 09 1980 12.5"	17mmT4 24mm 24mm	H48-5 EB,EL-OVAL,EXT BLNUC,SUDLY MBM,CNTR REG UB,L HALO OFARMS,INTRACT=1097A,R=E	Galaxy SB(s)b	VB,L,VME151,VBMN
NGC 1097A Sep 16 2009 31"	17mmT4	MB,MS,EL,UB,NND,SHISB,INTRACT=1097,INSIDE 1097 ARMS,R=F	Galaxy E pec:	
NGC 1201 Sep 19 2020 36"	17mmT4	H109-1 PB,ML,OVAL,BLNUC,MBM,MISB,R=FG	Galaxy SA(r)0^:	CB,PS,VLE,R,S*NR
NGC 1310 Oct 12 2012 36"	17mmT4	DIF,VF,VL,OVAL,PATCH,NND,BARRON FOV,12 DEG ABOVE HRZN,R=F	Galaxy SA(s)c:	GCL,VF,PL,R,VGVLM
NGC 1316 Oct 12 2012 36"	17mmT4	H257-1 EB,EL-OVAL,VBLNUC,HISB,GRAN HALO,VMBM,PAIR=1318,R=G	Galaxy SAB(s)0^ pec	VB,CL,VLE,VSVMBMN
NGC 1317 Oct 12 2012 36"	17mmT4	H257-1 VB,VL,R,VBLNUC,MHISB,R WELL DEFINED NUC,PAIR=1316,R=G	Galaxy SBa	PB,PS,PSBM
NGC 1344 Nov 21 2006 12.5"	12mmT4	H257-1 PB,ML,OVAL,BLNUC,MHISB,GMBM,R=G	Galaxy E5	CB,PL,IR,VGBM
NGC 1350 Nov 21 2006 12.5"	12mmT4	H257-1 MB,ML,OVAL,BLNUC,MHISB,GBMB,L HALO SUR NUC,R=G	Galaxy (R')SB(r)ab	B,L,ME,VMBMRN
NGC 1360 Dec 28 2008 31"	17mmT4	PF,PL,EL,CNTR*11M,OIII HELPS A LOT,ONE HALF BTR THAN OTHER,SHISB,R=G	Planetary Neb 3	*8IN B,LNEB,E NS
NGC 1366 Nov 11 2020 36"	17mmT4	H857-3 MB,MS,EL,BNUC,KEEP B* OUT OF FOV,TAPERED ENDS,HISB CNTR,FARMS,17 DEG ALT,R=FG	Galaxy S0^ sp	VF,S,IF,LBM
NGC 1371 Nov 11 2020 36"	17mmT4	H262-2 PB,POL,OVAL,BLNUC,HISB CNTR,GRAN MHISB HALO SUR NUC,R=G	Galaxy SAB(rs)a	PB,PL,VLE,PSBM
NGC 1385 Nov 11 2020 36"	17mmT4	H263-2 VB,VL,OVAL-R,VBLNUC,PATCHY,BKN PARTS,SPR STR SUSP,R=G	Galaxy SB(s)cd	PB,PS,R,GPMBM
NGC 1387 Oct 12 2012 36"	17mmT4	H263-2 VF,VL,OVAL-R,VBLNUC,HISB,OTHERS NEAR BY,HISB HALO SUR NUC,13 DEG ABOVE HRZN,R=G	Galaxy SAB(s)0-	GCL,VB,PL,R,GMBM

Fornax - The Furnace

NGC 1399		Galaxy E1 pec	GCL,VB,PL,PSBM,RR
Oct 12 2012 36"	17mmT4	VB,EL,OVAL-R,VBLNUC,HISB,OTHERS NEAR BY,F* OFF NUC SIDE,HISB HALO SUR NUC,13 DEG ABOVE HRZN,R=G	
NGC 1404		Galaxy E1	VB,PL,R,PSMBM
Oct 12 2012 36"	17mmT4	VF,VL,OVAL-R,VBLNUC,HISB,OTHERS NEAR BY,HISB HALO SUR NUC,13 DEG ABOVE HRZN,R=G	
NGC 1425		H852-2	Galaxy SA(s)b
Nov 11 2020 36"	17mmT4	PB,VL,OVAL,BLNUC,SHISB,GRAN HALO,18 DEG ALT,R=FG	F,PL,IR,GBM

Gemini - The Twins

ABELL 21**Planetary Neb**

Dec 28 2008 31" 17mmT4 VDIF,PF,VL,L DIF AREA OF NEB,PATCHY IN AREAS,OIII HELPS SMWHT,NEB BTR,R=F
 Jan 24 2004 31" 24mmTP DIF,PF,VL,UB,WITH OIII,PATCHY AREAS IN 2 HALVES CNTR SUR *,R=G

IC 443**Brn Nebula E**

Mar 06 2021 36" 31mmT5 (Lb 2),DIF,MF,VL,W/OIII,SW PART BTR AND EASILY DET,EDGES DET HERE,FILLS IN FOV,F PATCHES
 SURFINE FILAMENTS,WISPS,NEB PATCHES THROUGH FOV,(9:00pm),R=FG
 Jan 24 2004 31" 24mmTP DIF,PF,VL,PATCH,UB,PATCHY AREA DET,SNR,R=F

IC 444**Brn Nebula R**

Mar 06 2021 36" 31mmT5 (Lb 3),DIF,PF,EEL,W/OIII,2-3 FOV'S,DARK VEIN IN CNTR DET,AREAS OF PATCHY NEB THROT
 FOV'S,EDGES NOT WELL DEFINED,(9:10pm),R=F
 Jan 24 2004 31" 24mmTP DIF,VF,EL,UB,SVRL FOV'S,SOME PATCH AREAS DET,R=P

IC 454**Galaxy SBab**

Jan 20 2004 31" 17mmT4 MF,PL,EL TO EDGE ON,UB,NND,SVRL F*S IN EDGE,R=F

IC 474**Galaxy S**

Jan 20 2004 31" 17mmT4 MF,MS,EL,BSNUC,MHISB CNTR,R=G

IC 475**Galaxy S?**

Jan 20 2004 31" 17mmT4 MF,MS,EL,FLNUC,R=G

IC 476**Galaxy SB**

Dec 06 2002 12.5" 9mmT6 EDIF,EF,VS,AV,CLOSE COMP=2449

IC 477**Galaxy L**

Jan 20 2004 31" 17mmT4 PF,MS,OVAL,FSNUC,BM,R=F

IC 478**Galaxy**

Jan 20 2004 31" 17mmT4 DIF,MF,MS,OVAL,PATCH,UB,NND,B* IN FOV,R=F

IC 479**Galaxy SBc**

Jan 20 2004 31" 17mmT4 DIF,MF,MS,R,NND,ONE SIDE APPEARS BTR THAN THE OTHER,R=F

IC 480**Galaxy Sbc**

Jan 20 2004 31" 17mmT4 MF,ML,EDGE ON,UB,NND,CNTR BULGE,R=G

IC 481**Galaxy S**

Jan 20 2004 31" 17mmT4 MF,MS,EDGE ON,NND,SMWHT CNTR BULGE,R=F

IC 482**Galaxy S**

Jan 20 2004 31" 17mmT4 MF,MS,OVAL,PATCH,FSNUC,R=F

IC 484**Galaxy S**

Jan 20 2004 31" 17mmT4 MF,MS,EL,FSNUC,SBM,PAIRS=IC486,PGC22435,IC485,R=F

IC 485**Galaxy Sa:**

Gemini - The Twins

IC 485		Galaxy Sa:
Jan 20 2004 31"	17mmT4	MF,PS,EL,FSNUC,PAIRS=IC486,IC484,PGC22435,R=F
IC 486		Galaxy SBa
Jan 20 2004 31"	17mmT4	MF,ML,OVAL,BLNUC,MHISB,PAIRS=IC484,IC485,PGC22435,R=G
IC 2156		Open Cluster cluster?
Feb 15 2004 31"	17mmT4	VB,PL,S OF THE TWO,~20*S MOSTLY SAME MAG,BOTH NICE IN 17MM,R=F
IC 2157		Open Cluster II 1 p
Feb 15 2004 31"	17mmT4	VB,VL,~30*S VAR MAG,CLOSE PAIR=IC2156,NICE IN 17MM,R=F
Jan 24 2004 31"	17mmT4	PB,PL,~20*S,2 PARTS, WELL PLACED IN 17MM,R=F
IC 2176		Galaxy S
Jan 20 2004 31"	17mmT4	PF,MS,OVAL,FSNUC,SMWHT MHISB IN CNTR,PAIR=IC2178,R=F
IC 2178		Galaxy
Jan 20 2004 31"	17mmT4	MF,MS,UB,NND,PAIR=IC2176,R=F
IC 2180		Galaxy Sab
Jan 20 2004 31"	17mmT4	MF,ML,OVAL,FLNUC,SBM,R=F
IC 2181		Galaxy Sab
Jan 20 2004 31"	17mmT4	MF,MS,OVAL,FLNUC,R=F
IC 2185		Galaxy S?
Jan 20 2004 31"	17mmT4	MF,PS,PATCH,UB,NND,R=F
IC 2186		Galaxy S
Jan 20 2004 31"	17mmT4	MF,MS,BSNUC,SHISB,PAIR=IC2187,R=F
IC 2187		Galaxy
Jan 20 2004 31"	17mmT4	MF,MS,BSNUC,SHISB,B* ON EDGE,PAIR=IC2186,R=F
IC 2191		Galaxy L
Dec 06 2002 12.5"	9mmT6	VDIF,VF,MS,PATCH,SLT EL,UB
IC 2193		Galaxy Sb
Jan 20 2004 31"	17mmT4	MF,ML,OVAL,BLNUC,HISB,R=G
Jan 20 2004 31"	17mmT4	MF,ML,OVAL,FLNUC,SHISB CNTR,R=G
Nov 24 2003 31"	17mmT4	MB,ML,EL,FSNUC,SOFT NUC,MHISB CNTR
IC 2194		Galaxy Sb
Nov 24 2003 31"	17mmT4	MB,MS,R,BSNUC,GBM,HISB CNTR,R=G
IC 2196		Galaxy E
Jan 24 2004 31"	17mmT4	PB,ML,R,BLNUC,MHISB CNTR,R=G

Gemini - The Twins

IC	2196		Galaxy E
	Nov 24 2003 31"	17mmT4	PB,PL,R,BSNUC,SLT BM,HISB CNTR,R=G
IC	2197		Galaxy S
	Jan 24 2004 31"	17mmT4	PF,PS,PATCH,NND,LOC IN GRP OF 4 *S,R=P
IC	2198		Galaxy
	Jan 20 2004 31"	17mmT4	PB,ML,R,BLNUC,HISB,GMBM,R=G
IC	2199		Galaxy SB?
	Jan 20 2004 31"	17mmT4	PB,VL,PATCH,UB,NND,SHISB,R=G
IC	2201		Galaxy Sa
	Nov 24 2003 31"	17mmT4	DIF,MF,PS,EL,UB,NND,F* ON EDGE,R=F
IC	2203		Galaxy SBcd
	Jan 20 2004 31"	17mmT4	DIF,MF,PL,OVAL,PATCH,UB,NND,R=F
IC	2204		Galaxy (R)SB(r)ab
	Jan 20 2004 31"	17mmT4	MF,PL,OVAL,PATCH,BSNUC,SHISB CNTR,R=G
IC	2205		Galaxy
	Dec 06 2002 12.5"	9mmT6	EDIF,VF,PS,OVAL PATCH,UB,FOV WITH 2449
IC	2207		Galaxy Scd:
	Nov 17 2012 36"	17mmT4	VF,MS,EDGE ON,FNUC,VF* BOTH TIPS,CNTR BULGE,R=F
	Jan 20 2004 31"	17mmT4	MF,PL,EDGE ON,NND,F* IN CNTR RGN,CNTR BULGE,R=F
IC	2211		Galaxy Sa
	Jan 20 2004 31"	17mmT4	MF,ML,EL,BLNUC,MHISB CNTR,R=G
IC	2212		Galaxy S
	Jan 20 2004 31"	17mmT4	DIF,MF,MS,OVAL,PATCH,FLNUC,R=F
IC	2213		Galaxy S
	Jan 20 2004 31"	17mmT4	MF,MS,OVAL-R,FSNUC,VF* IN EDGE,FARMS DET,R=G
IC	2215		Open Cluster
	Jan 24 2004 31"	17mmT4	MF,MS,~8*S IN A LINE,CLOSE TO NGC2498,R=P
J	900		Planetary Neb 3b+2
	Dec 28 2008 31"	17mmT4	PB,VS,R,UB,NO CNTR*,VS B BLUE BALL,* CLOSE,OIII MAKE NEB BTR,R=G
	Feb 17 2004 31"	17mmT4	DIF,PB,MS,B BLUE,* CLOSE BY,CNTR BDET,R=G
	Feb 17 2004 31"	17mmT4	PB,MS,R,HISB,F HALO SUR OBJ DET,OIII,R=E
MAC	0708+3241		Galaxy
	Jan 20 2004 31"	17mmT4	EDIF,EF,PS,PATCH,UB,NND,AV,R=P

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MAC 0714+1856		Galaxy	
Jan 20 2004 31"	17mmT4	MF,MS,PATCH,SMWHT	BM,R=F
MAC 0722+3227		Galaxy	
Jan 20 2004 31"	17mmT4	VF,VS,PATCH,NND,ALM *	R=P
MAC 0724+3243		Galaxy	
Jan 20 2004 31"	17mmT4	VDIF,EF,VS,PATCH,NND,CLOSE TO *	PAIR=PGC20938,AV,R=P
MAC 0729+1952		Galaxy	
Jan 29 2014 36"	17mmT4	PF,PS,OVAL,FLNUC,PAIR=MAC,	R=PF
MAC 0729+1953		Galaxy	
Jan 29 2014 36"	17mmT4	PF,PS,OVAL,FLNUC,PAIR=MAC,	R=PF
MAC 0748+2853		Galaxy	
Mar 17 2007 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=PGC21870/MAC'S,	R=P
MAC 0748+2854		Galaxy	
Mar 17 2007 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=PGC21870/MAC'S,	R=P
MAC 0749+2857		Galaxy	
Mar 17 2007 31"	17mmT4	VF,PS,PATCH,UB,NND,PAIRS=PGC21870/MAC'S,	R=P
MINK 1-7		Planetary Neb 2	
Dec 28 2008 31"	17mmT4	MB,VS,R,UB,B BLUEISH,NO CNTR*,OIII DOESNOT HELP MUCH,	R=G
Feb 17 2004 31"	17mmT4	DIF,VF,MS,R,B BLUE,R NUC,NO CNTR *,F NEB SUR CNTR RGN,OIII,	R=G
NGC 2129		H26-8	Open Cluster I 3 m
Oct 30 1981 12.5"	16mm	MB,ML,2B*S IN CL SUR BY 10-15*S	CL,PL,40OR50ST8...15
NGC 2158		H17-6	Open Cluster II 3 r
Mar 03 2021 36"	17mmT4	(I 2 r),MG,ML,STANDS OUT WELL IN FOV,*S SIM MAG FEW B*S,~100+*S,F BG GLOW OF	CL,PS,MC,VRI,IRRTRI
		*S,(7:48pm),R=G	
Oct 30 1981 12.5"	12mm	RSLV,DOZEN OR SO B*S IN FRONT OF F HALO OF *S	
Mar 27 1981 12.5"	24mm		
Sep 10 1980 12.5"	24mm		
NGC 2168		M35	Open Cluster III 3 r
Mar 08 2013 36"	17mmT4	MESSIER MARATHON 2013	CL,VL,CRI,PC,ST9..16
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 02 1984 10"	20mm	SAME	
Mar 27 1982 12.5"	24mm	VB,EL,BIN FINDER,HUNDRES OF *S ~SAME MAG	
Oct 30 1981 12.5"	24mm	VB,VL,WELL DISPERSED	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Dec 03 1980 12.5"	24mm		
Oct 31 1980 12.5"	24mm		

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NGC 2168	M35	Open Cluster III 3 r	CL,VL,CRI,PC,ST9..16
Sep 10 1980 12.5"	24mm		
NGC 2224	H35-7	Open Cluster cluster?	CL,PC(WITH NEB)
Dec 06 2002 12.5"	24mm	VB,VL,~20*S,LOOSE SC,NOT WELL PLACED	
NGC 2234	H9-8	Open Cluster cluster?	CL,EL,PRI,LC,ST L\$\$
Dec 06 2002 12.5"	24mm	VB,VL,NOT WELL PLACED,~50 *S VAR MAG	
NGC 2266	H21-6	Open Cluster II 2 m	CL,PS,EC,RI,ST11..15
Feb 21 1984 12.5"	16mm	SAME,~50-100*S,FORMS SMWHT A TRI,MB,ML	
Oct 30 1981 12.5"	12mm	PB,ML,30*S,1B* E SIDE	
NGC 2274	H615-2	Galaxy E	F,S,BM
Oct 05 2002 12.5"	9mmT6	PB,PL,BNUC,R-OVAL,LNUC,MHISB,PAIR/2275	
NGC 2275	H614-2	Galaxy S?	EF,VS
Oct 05 2002 12.5"	9mmT6	PB,VL,PATCH,MHISB,NND,PAIR/2274	
NGC 2288		Galaxy	CF,S,R,
Nov 17 2012 36"	17mmT4	MF,MS,UB,NND,OTHERS,E FOV,R=F	
Dec 06 2002 12.5"	9mmT6	EDIF,EF,ES,COMES AND GOES WITH AV,CL OF 6 GLXY	
NGC 2289	H898-3	Galaxy S0	EF,VS
Nov 17 2012 36"	17mmT4	MB,ML,BLNUC,HISB CNTR,HALO,OTHERS,E FOV,R=G	
Dec 06 2002 12.5"	9mmT6	VDIF,VF,MS,PATCH,OVAL,UB,CL OF 6 GLXY	
NGC 2290	H897-3	Galaxy (R)SAa:	F,S,GBM
Nov 17 2012 36"	17mmT4	MB,ML,BLNUC,HISB CNTR,HALO,OTHERS,E FOV,R=G	
Dec 06 2002 12.5"	9mmT6	VDIF,VF,MS,FNUC,SBM,OVAL,CL OF 6 GLXY	
NGC 2291		Galaxy SA0^:	EF,VS
Nov 17 2012 36"	17mmT4	MB,ML,FSNUC,SHISB,OTHERS,E FOV,R=G	
Dec 06 2002 12.5"	9mmT6	EDIF,EF,ES,SUSPECT ONLY,LOC GOOD,CL OF 6 GLXY	
NGC 2294		Galaxy E6?	EEF
Nov 17 2012 36"	17mmT4	MB,ML,UB,NND,MHISB,OTHERS,E FOV,R=F	
Dec 06 2002 12.5"	9mmT6	DIF,PF,PS,PATCH,UB,OVAL,CL OF 6 GLXY	
NGC 2304	H2-6	Open Cluster II 1 m	CL,PL,RI,MC,ST VS
Feb 21 1984 12.5"	16mm	SAME	
Oct 30 1981 12.5"	16mm	MF,ML,WEDGE SHAPE,F*S SAME MAG,~50*S	
Oct 31 1980 12.5"	24mm	VCOMPACT,LOOKS LIKE A GLXY,MANY F*S GIVES APPEAR OF NEB	
NGC 2331	H40-8	Open Cluster IV 2 m	CL,L,VLC,S CL INV
Oct 05 2002 12.5"	32mm	VF,EL,LOOSE OPEN CL,~20*S,SAME MAG	

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NGC 2333		H899-3	Galaxy Sa	VF,S,R,BM
Dec 06 2002 12.5"	9mmT6	PF,MS,MHISB,OVAL-PATCH,SBM		
NGC 2339		H769-2	Galaxy SAB(rs)bc	PB,PL,R,GLBM
Feb 21 1984 12.5"	16mm	SAME		
Oct 30 1981 12.5"	12mm	DIF,PF,ML,14* IN GLXY E SIDE,MHISB,NND		
Oct 31 1980 12.5"	24mm	AMONG FIELD OF RICH *S,UB		
NGC 2341			Galaxy Pec	VF,VS
Oct 30 1981 12.5"	12mm	VF,PS,F* NW SIDE,MHISB,OVAL-PATCHY,NND,PAIR/2342		
NGC 2342			Galaxy S pec	PF,S,LE,VLBM
Oct 30 1981 12.5"	12mm	VDIF,PF,MS,PATCHY,UB,NND,PAIR/2341		
NGC 2355		H6-6	Open Cluster II 2 m	CL,PS,PRI,MC,*15..16
Feb 21 1984 12.5"	16mm	SAME		
Oct 16 1982 12.5"	24mm	MF,ML,B* N 1 OBJ DIA,FEW B*S WITH 50 FTR *S,SC		
Oct 30 1981 12.5"	24mm	B* SUR BY SVRL F*S,DIF HALO OF FTR *S IN BG		
NGC 2357			Galaxy Scd:	EF,L,ME,BM,FST INV
Nov 17 2012 36"	17mmT4	MB,VL,EDGE ON,UB,NND,SLIVER,TAPERED ENDS,PA~120,R=G		
Jan 08 2003 12.5"	9mmT6	VDIF,PF,ML,EDGE ON,UB,NND,POPS IN AND OUT WITH AV		
Oct 30 1981 12.5"	12mm	VDIF,PF,MS,EDGE ON,B* OFF N SIDE,NNS,UB		
NGC 2365			Galaxy SABa	VF,PS,R,PSBM
Oct 30 1981 12.5"	12mm	DIF,PF,MS,F* IN GLXY W SIDE,SBM,HISB,NEC DET		
NGC 2370			Galaxy SB?	EF,VS,E
Oct 30 1981 12.5"	12mm	F* E SIDE,VDIF,VF,ES,EL,NNS		
NGC 2371		H316-2	Planetary Neb 3a+2	B,S,R,BMN,P OF DNEB
Dec 28 2008 31"	17mmT4	PB,PL,CNTR*15,2 HALVES,LOBS BOTH SIDES,SHISB,HOUR GLASS SH,OIII HELPS V LTL,R=E		
Feb 21 1984 12.5"	12mm	SAME		
Feb 21 1984 12.5"	12mm	SAME,S PART BTR THAN N,CNTR * DET,VF,VS		
Oct 23 1982 12.5"	12mm	SEE 2371		
Oct 23 1982 12.5"	12mm	MF,MS,2 PARTS EASILY DET,W SIDE BTR,BOTH MHISB,NSS		
Dec 03 1980 12.5"	24mm			
Dec 03 1980 12.5"	24mm			
Oct 31 1980 12.5"	16mm	DBL NEB,2 NEB ON TOP OF EACH OTHER,NICE!!		
Oct 31 1980 12.5"	16mm	DBL NEB,2 NEB ON TOP OF EACH OTHER,NICE!!		
NGC 2373			Galaxy S?	EF,VS
Dec 06 2002 12.5"	9mmT6	DIF,VF,PS,V CLOSE TO F*,PATCH,UB,PAIR/2379/2375		
Oct 30 1981 12.5"	12mm	SUSP IN S TRI OF *S???,BIN CNTR?		
NGC 2375			Galaxy SB(s)b	EF,VS,2379F17S
Nov 17 2012 36"	17mmT4	PF,PS,OVAL,UB,NND,PAIR=2378,R=F		

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NGC 2375		Galaxy SB(s)b	EF,VS,2379F17S
Dec 06 2002 12.5"	9mmT6	NO FIND,LOC GOOD,PAIR/2373/2379	
NGC 2376		Galaxy Sbc	EF,VS
Dec 06 2002 12.5"	9mmT6	DIF,PF,VS,OVAL PATCH,UB	
NGC 2378		Galaxy SA0:	2VF CLOSE ST INEFNEB
Nov 17 2012 36"	17mmT4	MF,PS,R,BLNUC,PAIR=2375,R=F	
Dec 06 2002 12.5"	9mmT6	DIF,PF,MS,OVAL,PATCH,UB,NND,PAIR/2375/2373	
NGC 2385		H703-3 Galaxy Sb	VF,VS,R,BM
Dec 06 2002 12.5"	9mmT6	EDIF,EF,ES,COMES AND GOES WITH AV	
NGC 2388		H900-3 Galaxy S?	VF,S,R,BM
Dec 06 2002 12.5"	9mmT6	DIF,PF,MS,PATCH,UB,OVAL,PAIR/2389	
NGC 2389		H901-3 Galaxy SAB(rs)c	VF,S,R,PSBM
Dec 06 2002 12.5"	9mmT6	DIF,PF,MS,PATCH,SBM,OVAL,PAIR/2388	
NGC 2392		H45-4 Planetary Neb 3b+3b	B,S,R,*9M,*8NF100"
Nov 22 2006 12.5"	12mmT4	EB,VL,B CNTR * GOES AWAY WITH AV,B BLUE BALL,PATCHY AREAS DET OUTER,R=E	
Dec 04 2004 31"	17mmT4	VB,VL,WITH OIII,CNTR * EASY,RINGS SUR CNTR *,DARK RINGS BET OUTER NEB LOOKS MATTED,B BLUE,BEST EVER SEEN TO DATE,R=E	
Feb 21 1984 12.5"	12mm	MB,PS,ESKIMO NUBULA,CNTR * EASILY DET,PATCHED IN NEB DET,FORMS TRI W2*S	
Oct 23 1982 12.5"	12mm	CNTR * DET,SOME DARK AREAS IN GAS DET	
Oct 16 1982 12.5"	12mm	BLUE,MF,VS,R,UB,NO CNTR *	
Oct 31 1980 12.5"	24mm	ESKIMO NEB,NON STELL,GREAT!!	
NGC 2393		Galaxy Sc	EF,PS,LE,DIF,(R)
Dec 06 2002 12.5"	9mmT6	EDIF,EF,PS,COMES AND GOES WITH AV,PATCH	
NGC 2395		H11-8 Open Cluster IV 2 m	CL,PRI,C
Feb 21 1984 12.5"	24mm	SAME	
Oct 30 1981 12.5"	24mm	MB,PL,SOME B*S WITH FTR *S	
NGC 2398		Galaxy Sb	VF,ES,BM,(R)
Dec 06 2002 12.5"	9mmT6	DIF,PF,PS,FNUC,OVAL,SBM,PATCH,SMHISB	
NGC 2405		Galaxy S	VF,S,IR
Dec 06 2002 12.5"	9mmT6	EDIF,EF,MS,COMES AND GOES WITH AV,PATCH	
NGC 2406		Galaxy E/S0	EF,ES,(VSN)
Dec 06 2002 12.5"	9mmT6	DIF,VF,PS,PATCH,OVAL,UB,PAIR/2407	
NGC 2407		Galaxy S0-:	EF,ES,(VSN)
Dec 06 2002 12.5"	9mmT6	DIF,VF,VS,EL,PATCH,UB,PAIR/2406	

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NGC 2410		Galaxy SBb?	EF,VS,SEVVF*INV
Nov 24 2003 31"	17mmT4	MF,ML,EDGE ON,FSNUC,CNTR BULGE,DUST SUSP,SOFT NUC,R=G	
Dec 06 2002 12.5"	9mmT6	MB,PL,EDGE ON,SBM,SHISB,TAPERED ENDS	
NGC 2411		Galaxy E?	*14 SLIGHTLY NEBS
Dec 06 2002 12.5"	9mmT6	MB,MS,OVAL,SBM,MHISB	
NGC 2418		Galaxy E	VF,ES,BM
Dec 06 2002 12.5"	9mmT6	PB,ML,BNUC,MBM,OVAL-R,MHISB	
NGC 2420		H1-6	Open Cluster I 1 r
Feb 21 1984 12.5"	16mm	SAME,~50-100"S,MB,ML	CL,CL,RI,C,ST11...18
Oct 30 1981 12.5"	16mm	MB,ML,WELL DISPERSED IN 16MM	
NGC 2435		H616-2	Galaxy Sa
Dec 06 2002 12.5"	9mmT6	PB,ML,EL,BNUC,MBM,MHISB CNTR,STELLER NUC SUSP,DUST SUSP	F,S,LBM
NGC 2449		Galaxy Sab	EF,ES,R,BM,R
Dec 06 2002 12.5"	9mmT6	DIF,MF,PL,FACE ON,OVAL,SBM,CLOSE COMP=IC 476,FOV WITH IC 2205,2450	
NGC 2450		Galaxy Sbc	EF,VS,S*INV
Dec 06 2002 12.5"	9mmT6	EDIF,EF,ES,AV,VF* ON EDGE,PATCH,LOC GOOD,FOV WITH 2449	
NGC 2454		Galaxy S	VF,ES,R,BM
Dec 06 2002 12.5"	9mmT6	DIF,PF,MS,OVAL,PATCH,UB	
NGC 2480		Galaxy SB?	VF,E NPSF,CLOSENP81
Dec 06 2002 12.5"	9mmT6	DIF,MF,ML,OVAL,PATCH,UB,NND,CLOSR PAIR/2481	
NGC 2481		H302-2	Galaxy S?
Dec 06 2002 12.5"	9mmT6	MF,PL,EL,BM,MHISB,CLOSE PAIR/2480	F,S,LE,BM,ER
NGC 2486		Galaxy Sa	VF,S,PSBM
Dec 06 2002 12.5"	9mmT6	VDIF,PF,PS,OVAL PATCH,UB,PAIR/2487	
NGC 2487		Galaxy SBb	VF,S,GBM
Dec 06 2002 12.5"	9mmT6	VDIF,VF,PL,OVAL-R,UB,*NUC SUSP,PAIR/2486	
NGC 2490		Galaxy C	VF,S,R,*13 1'F,POF 2
Dec 06 2002 12.5"	9mmT6	EDIF,EF,ES,AV ONLY,SUSP,PAIR/2492	
NGC 2492		Galaxy S0-:	VF,S,R,BM,F OF 2
Dec 06 2002 12.5"	9mmT6	PF,ML,FNUC,OVAL,SBM,MHISB,PAIR/2490	
NGC 2498		Galaxy SBa:	VF,VS,R,BMN
Dec 06 2002 12.5"	9mmT6	MB,ML,BNUC,R,MBM,SOME SPR STRUCT SUSP	

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PGC 19586		Galaxy SBcd:
Oct 05 2002 12.5"	9mmT6	EEF,ES,COMES AND GOES WITH AV
PGC 20239		Galaxy Sd
Jan 20 2004 31"	17mmT4	EDIF,EF,PS,UB,NND,AV,R=P
PGC 20559		Galaxy S?
Nov 17 2012 36"	17mmT4	MF,PL,EDGE ON,UB,NND,SLT TAPERED,PA~80,OTHERS PRESENT,R=G
PGC 20562		Galaxy Scd:
Nov 17 2012 36"	17mmT4	MF,ML,EDGE ON,UB,NND,SLIVER,TAPERED ENDS,* OFF NUC,PA~160,R=FG
PGC 20585		Galaxy S?
Nov 17 2012 36"	17mmT4	PF,MS,EDGE ON,UB,NND,M TAPERED,PA~70,OTHERS PRESENT,R=F
PGC 20586		Galaxy S
Nov 17 2012 36"	17mmT4	VF,PS,EDGE ON,UB,NND,* CLOSE TO NUC,F* OFF EDGE,TAPERED ENDS,PA~90,OTHERS PRESENT,R=P
PGC 20695		Galaxy Sa:
Feb 20 2006 31"	17mmT4	PF,PS,OVAL,FSNUC,VF* OUTER EDGE,KEEP WASAT OUT OF FOV,R=F
PGC 20881		Galaxy SB?
Feb 20 2006 31"	17mmT4	MB,PS,OVAL,FLNUC,MHISB,* IN EDGE OF GLXY,GMBM,R=G
PGC 20924		Galaxy S
Jan 20 2004 31"	17mmT4	MF,PS,OVAL-R,UB,SHISB,PAIR=PGC20929,R=F
PGC 20929		Galaxy
Jan 20 2004 31"	17mmT4	DIF,V,VS,PATCH,UB,NND,PAIR=PGC20924,R=P
PGC 20938		Galaxy S?
Jan 20 2004 31"	17mmT4	DIF,PF,ML,OVAL-R,PATCH,UB,NND,PAIR=MAC,R=F
PGC 21047		Galaxy SB
Jan 29 2014 36"	17mmT4	MF,MS,OVAL,UB,SHISB,R=F
PGC 21100		Galaxy Scd:
Jan 29 2014 36"	17mmT4	MF,MS,PATCH,NND,MHISB,R=F
PGC 21128		Galaxy Sb
Jan 29 2014 36"	17mmT4	MF,MS,OVAL,FLNUC,SHISB, F* OFF EDGE,R=F
PGC 21136		Galaxy Sdm:
Nov 17 2012 36"	17mmT4	VF,MS,EDGE ON,UB,NND,VF* OFF TIP,THICKER IN CNTR,PA~100,R=PF
PGC 21200		Galaxy S?

Gemini - The Twins

PGC 21200		Galaxy S?	
Nov 24 2003 31"	17mmT4	DIF,VF,MS,OVAL,SBM,R=F	
PGC 21226		Galaxy	
Nov 24 2003 31"	17mmT4	PF,PS,OVAL,PATCH,FNUC,SBM,R=F	
PGC 21278		Galaxy S	
Nov 24 2003 31"	17mmT4	DIF,PF,MS,OVAL,PATCH,UB,NND,F* OFF TO ONE SIDE,R=F	
PGC 21324		Galaxy S?	
Nov 24 2003 31"	17mmT4	VDIF,VF,MS,EL,PACH,UB,NND,SVRL VF*S OFF TO SIDE,R=P	
PGC 21390		Galaxy	
Nov 24 2003 31"	17mmT4	VDIF,VF,VS,PATCH,UB,NND,R=P	
PGC 21673		Galaxy S pec	
Feb 21 2006 31"	17mmT4	PB,PL,OVAL,BSNUC,F* OFF NUC SIDE,ARMS,PATCHY AREAS DET,MHISB CNTR,R=G	
PGC 21678		Galaxy L	
Feb 21 2006 31"	17mmT4	PF,PS,EL,FSNUC,PAIR=PGC21673,R=F	
PGC 21870		Galaxy L	
Mar 17 2007 31"	17mmT4	MF,ML,OVAL-R,FLNUC,PAIRS=MAC'S,R=F	
PGC 21881		Galaxy S	
Mar 17 2007 31"	17mmT4	MF,ML,OVAL-R,PATCH,UB,NND,PAIR=PGC21885,R=F	
PGC 21885		Galaxy S	
Mar 17 2007 31"	17mmT4	MF,MS,EL,FSNUC,PAIR=PGC21881,R=F	
PGC 21900		Galaxy S	
Mar 17 2007 31"	17mmT4	MB,ML,OVAL,FLNUC,SHISB,CLOSE TO F*,R=F	
PGC 22401		Galaxy	
Jan 20 2004 31"	17mmT4	PF,ML,EDGE ON,PATCH,UB,NND,R=F	
PGC 22435		Galaxy	
Jan 20 2004 31"	17mmT4	VDIF,VF,VS,PATCH,NND,PAIRS=IC486,IC484,IC485,R=P	

Grus - The Crane

NGC 7233		Galaxy SAB(s)0/a	F,VS,R,*8F,F OF 2
Sep 18 1982 12.5"	16mm	VDIF,VF,PS,R,PATCHY,CLOSE PAIR/7234	

Hercules - The Son of Zeus

DODZ 6		Open Cluster IV 2 p
Apr 18 2023 36"	55mm	(IV 1 p),VF,PL,5-6* LOOK LIKE LTL SCORPIN,*S CLOSE TGT,R=G
DODZ 7		Open Cluster IV 1 p
Apr 18 2023 36"	55mm	(IV 1 p),VB,VL,6* IN SMWHT SYM SHAPE,LOOSELY SC,R=G
DODZ 8		Open Cluster IV 2 P
Apr 18 2023 36"	55mm	(IV 2 p),VF,VL,7-8* THAT CONN IN A STAR SYMBOL,LOOSELY SC,R=G
DODZ 9		Open Cluster III 2 p
May 12 2021 36"	31mmT5	(III 2 p),VB,EEEL,TOO L FOR 31mm,BEST IN FINDER:SOME CL DET,*S ~ SIM MAG,(4:19am),R=F
IC 1144		Galaxy S0-:
Sep 06 2002 12.5"	9mmT6	DIF,VF,PS,EL,PATCH,SBM,BM
IC 1152		Galaxy E
Sep 06 2002 12.5"	9mmT6	DIF,PF,PL,SBM,*NUC,OVAL PATCH,PAIR/IC 1153
IC 1153		Galaxy S0
Sep 06 2002 12.5"	9mmT6	DIF,PF,PL,GMBM,OVAL PATCH,B* OFF ONE END,PAIR/IC 1152
IC 1156		Galaxy E
May 30 2022 36"	17mmT4	MF,PS,OVAL,SFNUC,VF* IN EDGE OF GAL,R=F
IC 1162		Galaxy SAB(s)bc
May 30 2022 36"	17mmT4	EF,VS,PATCH.NND,AV,R=P
IC 1165A		Galaxy SA0- pec
May 30 2022 36"	17mmT4	PB,PS,OVAL,SFNUC,CAN SEP THE 2,ALM TOUCH,PAIR-IC1165B,R=F
May 17 2009 31"	17mmT4	PF,PS,OVAL,FLNUC,INTRACT=IC1165B,AGC2147,R=F
IC 1165B		Galaxy S?
May 30 2022 36"	17mmT4	PB,PS,OVAL,SFNUC,CAN SEP THE 2,ALM TOUCH,PAIR-IC1165A,R=F
May 17 2009 31"	17mmT4	PF,PS,OVAL,NND,INTRACT=IC1165A,AGC2147,R=F
IC 1170		Galaxy L
May 18 2009 31"	17mmT4	MB,MS,OVAL,NND,AGC 2151,R=F
Mar 29 2006 31"	17mmT4	VF,PS,PATCH,UB,NND,COMP=6041A,AGC 2151,R=F
IC 1173		Galaxy S
Mar 29 2006 31"	17mmT4	DIF,PF,MS,OVAL,UB,NND,AGC 2151,R=F
IC 1177		Galaxy
May 30 2022 36"	17mmT4	VF,PS,PATCH,UB,AV HOLDS,R=P
IC 1178		Galaxy S0- pec?
Mar 29 2006 31"	17mmT4	MF,MS,EL-OVAL,FLNUC,INTRACT=IC1181,AGC 2151,R=F

Hercules - The Son of Zeus

IC	1179		Galaxy SB(rs)cd
	May 19 2009 31"	17mmT4	MF,ML,OVAL,PATCH,UB,NND,L OVAL,COMP=6050,CANNOT SEP,AGC 2151,R=F
	Mar 29 2006 31"	17mmT4	DIF,PF,ML,OVAL,PATCH,UB,NND,INTRACT=6050,AGC 2151,APPEAR AS ONE,R=F
IC	1181		Galaxy S0- pec?
	Mar 29 2006 31"	17mmT4	PF,PS,EL-OVAL,FSNUC,INTRACT=IC1178,AGC 2151,R=F
IC	1182		Galaxy SA0+ pec
	Mar 29 2006 31"	17mmT4	PF,MS,OVAL,FLNUC,AGC 2151,R=F
IC	1183		Galaxy SAB0-
	Mar 29 2006 31"	17mmT4	PF,MS,OVAL,FLNUC,AGC 2151,R=F
IC	1185		Galaxy SA(rs)ab:
	Mar 29 2006 31"	17mmT4	MF,MS,OVAL,BLNUC,BM,SHISB CNTR,AGC 2151,R=F
IC	1186		Galaxy SB(r)b
	May 19 2009 31"	17mmT4	PF,PL,OVAL,PATCH,UB,NND,AGC 2151,R=F
IC	1188		Galaxy
	May 19 2009 31"	17mmT4	PF,MS,OVAL,PATCH,VFNUC,AGC 2151,R=F
IC	1189		Galaxy (R)SB(rs)0/a
	May 30 2022 36"	17mmT4	VF,VS,R,SFNUC,PAIR=N6061,R=F
IC	1191		Galaxy
	May 30 2022 36"	17mmT4	MB,VS,EL-PATCH,NND,PAIR=N6061,R=PF
IC	1192		Galaxy Sb sp
	Mar 16 2010 31"	17mmT4	VF,PS,PATCH,UB,NND,AGC 2151,R=P
IC	1193		Galaxy SAB(s)0+
	Mar 16 2010 31"	17mmT4	VF,PS,OVAL,FLNUC,AGC 2151,R=F
IC	1194		Galaxy SA(s)0+ pec
	Mar 16 2010 31"	17mmT4	PF,PS,OVAL,BSNUC,AGC 2151,R=F
IC	1195		Galaxy SB(r)bc
	May 30 2022 36"	17mmT4	MF,MS,OVAL,UB,NND,R=F
IC	1205		Galaxy Sa
	May 30 2022 36"	17mmT4	MB,ML,OVAL-PATCH,NND,MHISB,R=FG
IC	1206		Galaxy Sab
	May 30 2022 36"	17mmT4	MF,MS,EL,SFNUC,VF* OFF NUC,PAIR=PGC57617,R=F
IC	1209		Galaxy S0-

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IC 1209		Galaxy S0-
May 30 2022 36"	17mmT4	MB,PS,OVAL,SFNUC,SHISB,R=F
IC 1219		Galaxy S0
May 30 2022 36"	17mmT4	MF,MS,OVAL,LFNUC,SHISB,PAIR=PGC58045,R=F
IC 1222		Galaxy SAB(s)c
Apr 26 2006 31"	17mmT4	MF,MS,OVAL,SHISB,F CNTR BAR,*NUC,R=F
IC 1230		Galaxy S
Mar 04 2006 31"	17mmT4	MF,MS,OVAL,BLNUC,SHISB CNTR,PAIRS=IC1229/PGC58901,R=F
Jun 24 2003 12.5"	9mmT6	DIF,VF,VS,R,PATCH,UB,R=P
IC 4593		Planetary Neb 2+2
Apr 16 2009 31"	17mmT4	VB,MS,R,CNTR* 10TH,B BLUEISH GREEN BALL,B CNTR RGN,GRAN NEB SUR CNTR*,OIII KNOCKS OUT CNTR*,DOESNOT HELP MUCH,R=E
IC 4614		Galaxy S0/a
Apr 26 2003 12.5"	9mmT6	VDIF,VF,VS,PATCH,AV HOLDS,PAIR/6169/6197,R=P
IC 4617		Galaxy
Apr 26 2003 12.5"	9mmT6	VDIF,EF,VS,PATCH,AV,*,R=P
MAC 1601+1539		Galaxy
May 17 2009 31"	17mmT4	EF,VS,PATCH,AV,AGC2147,R=P
MAC 1601+1540		Galaxy
May 17 2009 31"	17mmT4	EF,ES,PATCH,TOOK A WHILE FOR AV,AGC2147,R=P
MAC 1601+1541		Galaxy
May 17 2009 31"	17mmT4	VF,PS,EL,UB,NND,AGC2147,R=P
May 14 2009 31"	17mmT4	VF,PS,EL,UB,NND,AGC 2147,R=P
MAC 1601+1542		Galaxy
May 17 2009 31"	17mmT4	EF,PS,PATCH,AV HOLDS,AGC2147,R=P
MAC 1601+1545		Galaxy
May 17 2009 31"	17mmT4	EF,VS,PATCH,AV ONLY ONCE,AGC2147,R=P
May 14 2009 31"	17mmT4	EF,VS,EL,PATCH,AV COMES AND GOES,AGC 2147,R=P
MAC 1601+1547		Galaxy
May 14 2009 31"	17mmT4	PF,PS,OVAL,BSNUC,AGC 2147,R=F
MAC 1601+1549A		Galaxy
May 14 2009 31"	17mmT4	MF,MS,OVAL,BSNUC,AGC 2147,R=F
MAC 1601+1549B		Galaxy

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MAC 1601+1549B		Galaxy
May 14 2009 31"	17mmT4	PF,PS,OVAL,BSNUC,AGC 2147,R=F
MAC 1601+1550A		Galaxy
May 14 2009 31"	17mmT4	EF,VS,PATCH,AV,AGC 2147,R=P
MAC 1601+1550B		Galaxy
May 17 2009 31"	17mmT4	EF,VS,PATCH,AV ONLY ONCE,AGC2147,R=P
MAC 1601+1553		Galaxy
May 17 2009 31"	17mmT4	EF,PS,PATCH,TOOK A WHILE WITH AV,AGC2147,R=P
MAC 1601+1553A		Galaxy
May 17 2009 31"	17mmT4	EF,VS,PATCH,AV TOOK A WHILE,COMES AND GOES,AGC2147,R=P
MAC 1601+1556		Galaxy
May 17 2009 31"	17mmT4	EF,PS,PATCH,AV TOOK A WHILE,AGC2147,R=P
MAC 1601+1556A		Galaxy
May 17 2009 31"	17mmT4	EF,VS,SUSP ONLY,LOC GOOD,BARRON AREA,AGC2147,R=P
MAC 1601+1558		Galaxy
May 17 2009 31"	17mmT4	EF,VS,PATCH,NND,AGC2147,R=P
MAC 1601+1600A		Galaxy
May 17 2009 31"	17mmT4	PF,MS,OVAL,FLNUC,AGC2147,R=F
MAC 1601+1600B		Galaxy
May 17 2009 31"	17mmT4	EF,VS,SUSP,AGC2147,R=P
MAC 1601+1604		Galaxy
May 17 2009 31"	17mmT4	EF,VS,PATCH,SUSP,AGC2147,R=P
MAC 1601+1605		Galaxy
May 17 2009 31"	17mmT4	EF,VS,PATCH,TOOK A WHILE TO FIND WITH AV,AGC2147,R=P
MAC 1601+1609		Galaxy
May 17 2009 31"	17mmT4	PF,PS,EL,FSNUC,AGC2147,R=P
MAC 1601+1609A		Galaxy
May 17 2009 31"	17mmT4	PF,PS,PATCH,AGC2147,R=P
MAC 1602+1540		Galaxy
May 17 2009 31"	17mmT4	EF,ES,LOC GOOD,JUST OFF OF PGC56765,AGC2147,R=P
MAC 1602+1545B		Galaxy
May 17 2009 31"	17mmT4	PF,PS,PATCH,UB,NND,AGC2147,R=P

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MAC 1602+1545C		Galaxy
May 17 2009 31"	17mmT4	EF,VS,PATCH,AV COMES AND GOES,AGC2147,R=P
MAC 1602+1550		Galaxy
May 17 2009 31"	17mmT4	EF,ES,PATCH,AV COMES AND GOES,AGC2147,R=P
MAC 1602+1551		Galaxy
May 14 2009 31"	17mmT4	PF,PS,OVAL,AV HOLDS,AGC 2147,R=P
Mar 29 2006 31"	17mmT4	EF,PS,PATCH,AV COMES AND GOES,* IN FOV MAKES OBS HARD,MANY COMP,R=P
MAC 1602+1552		Galaxy
May 14 2009 31"	17mmT4	EF,VS,PATCH,AV A FEW TIMES THEN HOLDS,AGC 2147,R=P
Apr 26 2006 31"	17mmT4	EF,ES,PATCH,UB,NND,AV,PAIRS=MAC'S/PGC'S,R=P
MAC 1602+1554		Galaxy
May 14 2009 31"	17mmT4	MF,MS,UB,ONE OF THE BEST MAC'S,MHISB,AGC 2147,R=F
Apr 26 2006 31"	17mmT4	MF,MS,R,FLNUC,ONE OF THE BTR MAC'S,PAIRS=PGC'S/MAC'S,E FOV,R=F
Mar 29 2006 31"	17mmT4	MF,MS,OVAL,FLNUC,SHISB,MHISB CNTR,BEST MAC TODATE,COMP=MAC,MANY COMP,R=F
MAC 1602+1555A		Galaxy
May 14 2009 31"	17mmT4	PF,VS,OVAL,BSNUC,VF* ON EDGE,AGC 2147,R=F
Apr 26 2006 31"	17mmT4	PF,VS,PATCH,UB,NND,F* OFF EDGE,SBM,PAIRS=PGC'S/MAC'S,E FOV OF GLXY,R=P
Mar 29 2006 31"	17mmT4	VF,PS,PATCH,UB,NND,COMP=MAC,F* ON EDGE OF GLXY,MANY COMP,E GRP,R=P
MAC 1602+1555B		Galaxy
Apr 26 2006 31"	17mmT4	EF,VS,PATCH,UB,NND,PAIRS=MAC'S/PGC'S,R=P
MAC 1602+1556		Galaxy
May 17 2009 31"	17mmT4	EFVS,PATCH,AV,AGC2147,R=P
MAC 1602+1557		Galaxy
May 14 2009 31"	17mmT4	EF,PS,PATCH,AV COMES AND GOES,AGC 2147,R=P
Apr 26 2006 31"	17mmT4	EF,ES,PATCH,AV,SUSP,PAIRS=PGC'S/MAC,E FOV OF GLXY,R=P
MAC 1602+1559		Galaxy
May 17 2009 31"	17mmT4	PF,PS,PATCH,NND,AGC2147,R=P
MAC 1602+1600		Galaxy
Apr 26 2006 31"	17mmT4	VDIF,EF,VS,PATCH,UB,NND,PAIRS=MAC'S/PGC'S,E FOV OF GLXY,R=P
MAC 1602+1601		Galaxy
May 18 2007 31"	17mmT4	EF,VS,PATCH,NND,VF* OFF ONE SIDE,COMP=PGC56783,APPEAR AS ONE,SPLIT W/AV ONLY,R=P
MAC 1602+1604		Galaxy
Apr 26 2006 31"	17mmT4	EF,VS,PATCH,UB,NND,R=P
MAC 1602+1605		Galaxy

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MAC 1602+1605 **Galaxy**
 May 17 2009 31" 17mmT4 EF,VS,PATCH,AV COMES AND GOES,AGC2147,R=P

MAC 1602+1607 **Galaxy**
 Apr 26 2006 31" 17mmT4 PF,MS,OVAL,FLNUC,ONE OF THE BTEST MAC'S,R=F

MAC 1602+1611 **Galaxy**
 May 17 2009 31" 17mmT4 EF,VS,PATCH,AV TOOK A WHILE,AGC2147,R=P

MAC 1603+1553 **Galaxy**
 May 17 2009 31" 17mmT4 EF,VS,PATCH,AV FIRST THEN HOLDS,AGC2147,R=P

MAC 1603+1600 **Galaxy**
 May 17 2009 31" 17mmT4 EF,VS,SUSP,AGC2147,R=P

MAC 1603+1601 **Galaxy**
 May 17 2009 31" 17mmT4 EF,VS,PATCH,AV FIRST THEN HOLDS,AGC2147,R=P

MAC 1603+1603 **Galaxy**
 May 17 2009 31" 17mmT4 EF,VS,PATCH,AV ONLY A FEW TIMES,AGC2147,R=P

MAC 1603+1605 **Galaxy**
 May 17 2009 31" 17mmT4 PF,PS,OVAL,FSNUC,AGC2147,R=F

MAC 1603+1607A **Galaxy**
 May 17 2009 31" 17mmT4 PF,PS,OVAL,NND,AGC2147,R=F

MAC 1603+1735 **Galaxy**
 May 18 2009 31" 17mmT4 EF,VS,PATCH,AV TOOK A WHILE THEN HOLDS BRIEFLY,AGC 2151,R=P

MAC 1603+1745 **Galaxy**
 May 18 2009 31" 17mmT4 EF,PS,PATCH,AV COMES AND GOES,B* CLOSE BY,AGC 2151,R=P

MAC 1603+1755 **Galaxy**
 May 18 2009 31" 17mmT4 EF,VS,PATCH,AV ONLY A FEW TIMES,AGC 2151,R=P

MAC 1604+1718 **Galaxy**
 May 19 2009 31" 17mmT4 EF,VS,PATCH,AV ONLY ONCE,AGC 2151,R=P

MAC 1604+1725 **Galaxy**
 May 18 2009 31" 17mmT4 EF,VS,PATCH,AV COMES AND GOES,AGC 2151,R=P

MAC 1604+1726 **Galaxy**
 May 18 2009 31" 17mmT4 EF,PS,PATCH,TOOK AV LONG TIME THEN HOLDS,AGC 2151,R=P

MAC 1604+1731 **Galaxy**
 May 18 2009 31" 17mmT4 EF,VS,PATCH,AV MAYBE,SUSP,AGC 2151,R=P

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MAC 1604+1738**Galaxy**

Mar 29 2006 31" 17mmT4 EF,VSPATCH,NND,AV FIRST THEN HOLDS,AGC 2151,R=P

MAC 1604+1741**Galaxy**

May 18 2009 31" 17mmT4 PF,PS,PATCH,NND,AGC 2151,R=P

Mar 29 2006 31" 17mmT4 EF,VS,PATCH,UB,NND,AGC 2151,R=P

MAC 1604+1744**Galaxy**

May 19 2009 31" 17mmT4 EF,VS,PATCH,AV TOOK A WHILE,AGC 2151,R=P

MAC 1604+1745**Galaxy**

May 18 2009 31" 17mmT4 EF,VS,PATCH,AV ONCE,AGC 2151,R=P

MAC 1604+1748**Galaxy**

May 18 2009 31" 17mmT4 EF,VS,PATCH,AV COMES AND GOES,VF* OFF SIDE,AGC 2151,R=P

MAC 1604+1748A**Galaxy**

May 18 2009 31" 17mmT4 EF,VS,PATCH,AV TOOK A WHILE,AGC 2151,R=P

MAC 1604+1749**Galaxy**

May 18 2009 31" 17mmT4 VF,PS,PATCH,AV,AGC 2151,R=P

MAC 1604+1750**Galaxy**

May 18 2009 31" 17mmT4 VF,PS,PATCH,AGC 2151,R=P

MAC 1604+1759**Galaxy**

May 18 2009 31" 17mmT4 EF,VS,PATCH,UB,NND,AV,AGC 2151,R=P

MAC 1604+1802**Galaxy**

May 18 2009 31" 17mmT4 VF,VS,PATCH,V CLOSE COMP=PGC56973,CAN BARELY SEP,AGC 2151,R=P

MAC 1604+1805**Galaxy**

May 18 2009 31" 17mmT4 EF,VS,PATCH,SUSP,AGC 2151,R=P

MAC 1604+1806**Galaxy**

May 19 2009 31" 17mmT4 EF,VS,PATCH,AV ONLY ONCE OR TWICE,AGC 2151,R=P

MAC 1604+1807**Galaxy**

May 18 2009 31" 17mmT4 EF,VS,PATCH,TOOK A LONG TIME FOR AV,AGC 2151,R=P

MAC 1604+1808**Galaxy**

May 18 2009 31" 17mmT4 EF,VS,EL,PATCH,2VF**S OFF EDGE,AGC 2151,R=P

MAC 1604+1811**Galaxy**

May 19 2009 31" 17mmT4 EF,VS,PATCH,AV ONLY ONCE OR TWICE,AGC 2151,R=P

MAC 1605+1719**Galaxy**

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MAC 1605+1719 **Galaxy**
 Mar 16 2010 31" 17mmT4 EF,VS,PATCH,TOOK AV A WHILE,COMES AND GOES,AGC 2151,R=P

MAC 1605+1720 **Galaxy**
 May 19 2009 31" 17mmT4 EF,ES,PATCH,AV TOOK A WHILE TO HOLD,AGC 2151,R=P

MAC 1605+1722 **Galaxy**
 May 19 2009 31" 17mmT4 EF,VS,PATCH,AV TOOK A WHILE,HOLDS ON AND OFF,AGC 2151,R=P

MAC 1605+1735A **Galaxy**
 Mar 29 2006 31" 17mmT4 EF,VS,PATCH,AV,COMES AND GOES,SUSP,AGC 2151,R=P

MAC 1605+1735B **Galaxy**
 May 19 2009 31" 17mmT4 EF,ES,PATCH,AV ONLY A FEW TIMES,AGC 2151,R=P

MAC 1605+1736 **Galaxy**
 Mar 29 2006 31" 17mmT4 VF,VS,PATCH,AGC 2151,R=P

MAC 1605+1738 **Galaxy**
 May 19 2009 31" 17mmT4 EF,VS,PATCH,AV TOOK A WHILE,COMES AND GOES,AGC 2151,R=P

MAC 1605+1740 **Galaxy**
 May 19 2009 31" 17mmT4 EF,VS,PATCH,AV TOOK A LONG TIME,COMES AND GOES,HOLDS AT TIMES,AGC 2151,R=P

MAC 1605+1741 **Galaxy**
 May 19 2009 31" 17mmT4 EF,VS,PATCH,AV TOOK A LONG TIME,COMES AND GOES,HOLDS AT TIMES,AGC 2151,R=P

MAC 1605+1743 **Galaxy**
 May 19 2009 31" 17mmT4 EF,VS,PATCH,CLOSE TO F*,AGC 2151,R=F

MAC 1605+1744A **Galaxy**
 May 19 2009 31" 17mmT4 EF,VS,PATCH,AV TOOK A WHILE,AGC 2151,R=P

MAC 1605+1744B **Galaxy**
 May 19 2009 31" 17mmT4 VF,VS,UB,NND,ON EDGE OF IC1179 AND 6050,CANNOT SEP THE 3,AGC 2151,R=P

MAC 1605+1745 **Galaxy**
 Apr 26 2006 31" 17mmT4 EF,VS,PATCH,AV,SUSP,JUST OFF TIP OF 6045,ATTACHED,BARELY SUSP WITH AV,PAIRS,R=P

MAC 1605+1747A **Galaxy**
 May 19 2009 31" 17mmT4 VF,PS,PATCH,UB,NND,AGC 2151,R=P

MAC 1605+1748 **Galaxy**
 May 19 2009 31" 17mmT4 EF,VS,PATCH,SUSP,AGC 2151,R=P

MAC 1605+1752 **Galaxy**
 May 19 2009 31" 17mmT4 VF,VS,PATCH,* V CLOSE OR ON EDGE,AGC 2151,R=P

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MAC 1605+1756		Galaxy
Mar 29 2006 31"	17mmT4	EF,ES,PATCH,STELL LIKE OR VF* ON EDGE,AGC 2151,R=P
MAC 1605+1804		Galaxy
May 19 2009 31"	17mmT4	VF,PS,PATCH,NND,AGC 2151,R=F
MAC 1605+1805		Galaxy
May 19 2009 31"	17mmT4	VF,VS,PATCH,AGC 2151,R=P
MAC 1605+1810A		Galaxy
May 19 2009 31"	17mmT4	EF,VS,PTCH,AV HARD TO HOLD,AGC 2151,R=P
MAC 1605+2032		Galaxy
Apr 26 2006 31"	17mmT4	MB,MS,NND,MHISB,INTRACT=6052,ODD SHAPE,PATCHY,OVAL WITH BUMPS,LOBS,R=G
MAC 1606+1736		Galaxy
May 19 2009 31"	17mmT4	VF,VS,PATCH,LOC IN BARRON AREA,AGC 2151,R=P
MAC 1606+1741A		Galaxy
May 19 2009 31"	17mmT4	EF,ES,PATCH,AV ONLY ONCE,AGC 2151,R=P
MAC 1606+1741B		Galaxy
Mar 16 2010 31"	17mmT4	EF,VS,PATCH,UB,NND,AV FIRST THEN HOLDS,AGC 2151,R=P
MAC 1606+1743		Galaxy
Mar 16 2010 31"	17mmT4	VF,PS,OVAL,UB,NND,AGC 2151,R=F
MAC 1606+1746		Galaxy
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,AGC 2151,R=P
MAC 1606+1750		Galaxy
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,AV FIRST THEN HOLDS,NND,AGC 2151,R=P
MAC 1606+1802		Galaxy
May 19 2009 31"	17mmT4	VF,VS,PATCH,NND,AGC 2151,R=P
MAC 1607+1733		Galaxy
Mar 16 2010 31"	17mmT4	EF,VS,PATCH,AGC 2151,R=P
MAC 1607+1749		Galaxy
Mar 17 2010 31"	17mmT4	EF,PS,PATCH,TOOK AV A WHILE TO FIND THEN HOLDS,AGC 2151,R=P
MAC 1627+3923		Galaxy
Mar 21 2020 36"	17mmT4	EF,ES,PATCH,AV COMES AND GOES,PAIRS=6158/PGC58195,R=P
MAC 1627+4056		Galaxy
Mar 21 2020 36"	17mmT4	VF,VS,PATCH,NND,PAIRS=6160/PGC58191,R=PF

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MAC 1628+3931		Galaxy	
Mar 17 2007 31"	17mmT4	PF,PS,OVAL,VFSNUC,PAIRS=PGC'S,R=F	
MAC 1647+3407		Galaxy	
May 18 2007 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=PGC58970/MAC,R=P	
MAC 1647+3412		Galaxy	
May 18 2007 31"	17mmT4	VF,VS,PATCH,UB,NND,VF* ON EDGE,PAIRS=MAC/PGC58970,R=P	
NGC 6013		Galaxy SBb	EF,VS,IR,LBM
Feb 27 1982 12.5"	16mm	EDIF,VF,MS,SLT EL,NND,UB	
NGC 6028		H33-3 Galaxy (R)SA0+:	VF,PS,NO NUCL
Mar 09 2021 36"	17mmT4	MB,PS,R,*NUC,MHISB,PAIR=PGC56685,R=FG	
NGC 6030		Galaxy S0^	PF,VS,R,BM
May 30 2022 36"	17mmT4	PB,MS,EL-OVAL,LBNUC,HISB,MBM,HISB MID,R=G	
NGC 6032		Galaxy SB(rs)b:	VF,PL,LE,VLBM,NP OF2
May 30 2022 36"	17mmT4	VF,ML,OVAL-PATCH,NND,R=PF	
NGC 6034		Galaxy E+	EEF,VS,R,VDIFFIC
May 30 2022 36"	17mmT4	MF,MS,OVAL.SBNUC,SBN,R=F	
NGC 6035		Galaxy SAB(rs)c	VF,PL,LE,SF OF 2
May 30 2022 36"	17mmT4	MF,ML,OVAL-PATCH,NND,SHISB,ONE SIDE HAS BRT RGN,R=FG	
Feb 27 1982 12.5"	16mm	EDIF,EF,MS,GRP OF F*S TO E,NND,PATCHY,OVAL	
NGC 6039		Galaxy SA0+ pec	EEF,VS,R,SP OF 3LINE
May 18 2009 31"	17mmT4	MB,MS,OVAL,BSNUC,*NUC,TIGHT CORE,INTRACT=6040,AGC 2151,R=G	
Mar 29 2006 31"	17mmT4	MF,VS,R,UB,NND,COMP=6040A,AGC 2151,R=F	
Feb 27 1982 12.5"	16mm	EDIF,VF,VS,4F*S TGT TO S,NND,CLOSE COMP/6040A	
NGC 6040		Galaxy SAB(s)c	VF,ES,F*CLOSE
May 18 2009 31"	17mmT4	MB,ML,EL,NND,INTRACT=6039,AGC 2151,R=G	
Mar 29 2006 31"	17mmT4	MF,MS,EL-EDGE ON,UB,NND,COMP=6040B,AGC 2151,R=F	
Feb 27 1982 12.5"	16mm	EDIF,VF,VS,SIM TO 6039,NND,CLOSE COMP 6040B	
NGC 6041A		Galaxy SB0^	F,S
Mar 29 2006 31"	17mmT4	MF,MS,EL,VFSNUC,PATCHY,COMP=IC1170,AGC 2151,R=F	
NGC 6041B		Galaxy SB0-	
May 18 2009 31"	17mmT4	MB,PL,EL,FSNUC,ANOTHER INTRACT GLXY STUCK TO END,AGC 2151,R=G	
Mar 29 2006 31"	17mmT4	VF,ES,PATCH,*NUC,ALM *,COMP=IC1170,ON EDGE OF 1C1170,AGC 2151,R=P	
NGC 6042		Galaxy SA0-	VF,VS
May 18 2009 31"	17mmT4	MB,MS,FSNUC,AGC 2151,R=F	

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NGC 6042		Galaxy SA0-	VF,VS
Mar 29 2006 31"	17mmT4	MF,PS,R,FLNUC,AGC 2151,R=F	
NGC 6043		Galaxy SAB0-	EEF,PS,LE,(4TH OF10)
Apr 26 2006 31"	17mmT4	PF,MS,EL,FLNUC,PAIRS=NGC'S/MAC,R=F	
Mar 29 2006 31"	17mmT4	MF,PS,OVAL,UB,NND,AGC 2151,R=F	
NGC 6044		Galaxy SA0^	EEF,VS,R,VF*CLOSE P
May 18 2009 31"	17mmT4	MB,MS,R,BLNUC,SHISB CNTR,BM,AGC 2151,R=F	
Mar 29 2006 31"	17mmT4	MF,PS,R,FSNUC,AGC 2151,R=F	
NGC 6045		Galaxy SB(s)c sp	EEF,VS,R,VDIFFIC
Apr 26 2006 31"	17mmT4	PF,MS,EDGE ON,UB,NND,PAIRS=NGC'S/MAC,R=F	
Mar 29 2006 31"	17mmT4	MF,MS,EDGE ON,PATCH,UB,NND,AGC 2151,R=F	
NGC 6047		Galaxy E+	EF,R,PS,F*CLOSE N
Apr 26 2006 31"	17mmT4	PF,PS,F* ON EDGE,FLNUC,PAIRS=NGC'S/MAC,R=F	
Mar 29 2006 31"	17mmT4	MF,PS,R,FLNUC,* OFF EDGE,SHISB CNTR,AGC 2151,R=F	
NGC 6050		Galaxy SA(s)c	EEF,S,R,VDIFFIC
May 19 2009 31"	17mmT4	MF,ML,OVAL,PATCH,UB,NND,L OVAL,COMP=IC1179,CANNOT SEP,AGC 2151,R=F	
Mar 29 2006 31"	17mmT4	DIF,PF,ML,OVAL,PATCH,UB,NND,INTRACT=IC1179,AGC 2151,APPEAR AS ONE,R=F	
NGC 6052		H140-3 Galaxy Sc	F,PL,IR,(=6064)
Apr 26 2006 31"	17mmT4	MB,MS,NND,MHISB,INTRACT=MAC,FUNNY SHAPE,PATCHY,OVAL WITH LOBS,R=G	
Feb 27 1982 12.5"	16mm	EDIF,MF,ES,FNUC,SBM,EF*E EDGE	
NGC 6054		Galaxy (R')SAB(s)b	EEF,PS,LE,F*SP
May 19 2009 31"	17mmT4	VF,MS,PATCH,UB,NND,AGC 2151,R=F	
NGC 6055		Galaxy (R)SAB0+	EEF,PS,R,VDIFFIC
May 19 2009 31"	17mmT4	MB,MS,R,FLNUC,AGC 2151,R=G	
Mar 29 2006 31"	17mmT4	MF,MS,R,FLNUC,SHISB CNTR,AGC 2151,R=F	
NGC 6056		Galaxy SB(s)0+	EEF,VDIFFIC
Mar 29 2006 31"	17mmT4	MF,MS,EL-OVAL,FLNUC,AGC 2151,R=F	
NGC 6057		Galaxy E	EEF,ES,R
May 19 2009 31"	17mmT4	MB,MS,R,FLNUC,AGC 2151,R=G	
Mar 29 2006 31"	17mmT4	MF,MS,R,FLNUC,SHISB CNTR,AGC 2151,R=F	
NGC 6058		H637-3 Planetary Neb 3+2	PF,VS,R,STELLAR
Mar 20 2009 31"	17mmT4	MF,MS,R,B CNTR* 12TH MAG,GRAN NEB,OIII KNOCKS OUT CNTR*,DOESNOT HELP MUCH,R=F	
Sep 06 2002 12.5"	16mm	PB,ML,R,DIF HALO,BM	
Sep 06 2002 12.5"	9mmT6	BM,MHISB,CNTR *	
NGC 6060		Galaxy SAB(rs)c	EF,E,SBM

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NGC 6060		Galaxy SAB(rs)c	EF,E,SBM
Feb 27 1982 12.5"	16mm	VDIF,VF,MS,PATCHY-OVAL,UB,NND	
NGC 6061		Galaxy SA0-	EEF,S,R,4B*S
May 30 2022 36"	17mmT4	MB,PS,R,SFNUC,* IN NUC SUSP,PAIR=IC1191,R=F	
May 30 2022 36"	17mmT4	MB,MS,R,LFNUC,PAIR=IC1189,R=F	
NGC 6062		Galaxy SB(rs)bc	EF,R,VLBM,R
May 30 2022 36"	17mmT4	MF,ML,OVAL-PATCH,NND,CLOSE COMP,PAIR=N6062B,R=F	
Feb 27 1982 12.5"	16mm	EEDIF,EF,MS,N OF B* IN FIELD,NND,UB,OVAL	
NGC 6062B		Galaxy Sc	
May 30 2022 36"	17mmT4	EF,PS,OVAL-PATRCH,CLOSE COMP,PAIR=N6062,VF* OFF ONE SIDE,R=P	
NGC 6073		H74-3 Galaxy Sc:	VF,S,RESOLVABLE
Mar 21 2020 36"	17mmT4	MF,ML,PATCH,NND,SHISB,R=G	
NGC 6074		Galaxy	EF,VS,R,BM
May 30 2022 36"	17mmT4	MF,PS,OVAL,LFNUC,ON TOP OF EACH OTHER,CANNOT SEP,SBM,SHISB,PAIR=PGC57419,R=F	
NGC 6075		Galaxy E/S0	F,VS,R,*OR(STINV),RR
May 30 2022 36"	17mmT4	MB,MS,R,LBNUC,BM,MHISB,R=F	
NGC 6078		Galaxy E	EF,VS,R,BM
Feb 27 1982 12.5"	16mm	EEDIF,EEF,ES,F* SUSP NW 1 GLXY DIA,PATCHY,NND	
NGC 6081		Galaxy S0	VF,S,R,BM
Feb 27 1982 12.5"	16mm	EDIF,EF,ES,PATCHY,*NUC SUSP	
NGC 6083		Galaxy Sb	EF,VS,DIFFIC
May 30 2022 36"	17mmT4	MF,PS,OVAL-PATCH,UB,R=F	
NGC 6084		Galaxy Sa sp	EEF,PS,R,VDIFFIC
May 30 2022 36"	17mmT4	MB,ML,EL,LBNUC,MHISB MID,R=FG	
NGC 6098		Galaxy E+	EF,VS,R,*8F41S,NPOF2
Feb 27 1982 12.5"	16mm	EDIF,VF,VS,CLOSE PAIR/6099,NND,PATCHY,SIM TO 6099	
NGC 6099		Galaxy E+	EF,VS,R,SF OF 2
Feb 27 1982 12.5"	16mm	EDIF,VF,ES,F*S 1 GLXY DIA,NND,PATCHY,CLOSE PAIR/6098	
NGC 6106		H151-2 Galaxy SA(s)c	F,PL,LE,VGBM,R
Feb 27 1982 12.5"	16mm	EDIF,VF,MS,NND,PATCHY-OVAL,SHISB	
NGC 6113		Galaxy S0	VF,S,R
May 30 2022 36"	17mmT4	MB,ML,EL,UB,NND,SHISB,VF COMP SUSP JUST TO S,R=F	

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NGC 6132		Galaxy Sab	EF,VS,VLBM
May 30 2022 36"	17mmT4	MF,ML,OVAL,UB,NND,R=F	
NGC 6138		Galaxy Sbc	VF,VS,R,BM
Jun 23 2022 36"	17mmT4	PF,MS,EL-EDGE ON,UB,NND,R=P	
NGC 6141		Galaxy	VF,PS,NO NUCL
May 30 2022 36"	17mmT4	MF,VS,LFNUC,R=F	
NGC 6145		Galaxy S	F,R,BM
Jun 23 2022 36"	17mmT4	MF,MS,OVAL,LFNUC,PAIRS=N6147/N6146,R=F	
Feb 27 1982 12.5"	16mm	EDIF,EF,ES,EDGE OF VISIBILITY,CLOSE PAIR/6146	
NGC 6146		H638-3 Galaxy E?	CF,VS,R,BM
Jun 23 2022 36"	17mmT4	EF,VS,PATCH,UB,NND,PAIRS=N6145/N6147,R=P	
Feb 27 1982 12.5"	16mm	PF,VS,DNUC,F*NW 1 GLXY DIA,SNUC,R,CLOSE PAIR/6145	
NGC 6147		Galaxy Sb	EF,ONE OF 3
Jun 23 2022 36"	17mmT4	VF,PS,OVAL,UB,NND,PAIRS=N6145/N6146,R=P	
NGC 6148		Galaxy	VF,S,WITH ST
Jun 23 2022 36"	17mmT4	EF,ES,PATCH,NND,NO AV,WORST NGC TODATE,R=P	
NGC 6149		Galaxy S0	VF,PS,R,PB*NR S
Jun 23 2022 36"	17mmT4	MB,MS,OVAL,LBNUC,MHISB,MBM,R=F	
NGC 6150		H639-3 Galaxy E?	VF,VS,R
Mar 21 2020 36"	17mmT4	MB,ML,OVAL,BLNUC,SHISB,PAIR=PGC58100,R=G	
NGC 6154		H680-3 Galaxy SB(r)a	VF,S,R,LBM,ER
Feb 27 1982 12.5"	16mm	NND,EDIF,EF,MS,2F*S W SIDE IN A LINE	
NGC 6155		H690-2 Galaxy S?	F,PS,IF,GBM
Feb 27 1982 12.5"	16mm	DIF,VF,MS,OVAL,MHISB,NND	
NGC 6158		H647-2 Galaxy E/S0	F,S,IF
Mar 21 2020 36"	17mmT4	MF,PS,R,FLNUC,PAIRS=PGC58195/MAC,R=FG	
NGC 6159		Galaxy S0-:	VF,S,IR,LBM
Jun 23 2022 36"	17mmT4	MF,MS,OAL,LFNUC,PAIR=PGC 58196,R=F	
NGC 6160		H652-2 Galaxy E	CF,PL,R,GBM,R
Mar 21 2020 36"	17mmT4	MB,PS,PATCH,BLNUC,SHISB CNTR,PAIRS=PGC58191/MAC,R=FG	
NGC 6161		Galaxy S?	VF,S,LBM
May 18 2007 31"	17mmT4	MF,MS,OVAL-R,FLNUC,PAIRS=6163/6162/PGC58231,R=F	

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NGC 6162		Galaxy S0	F,S,LBM
May 18 2007 31"	17mmT4	MF,MS,OVAL-R,FLNUC,PAIRS=6163/6161/PGC58231,R=F	
NGC 6163		Galaxy SB0?	VF,S,LBM
May 18 2007 31"	17mmT4	MF,MS,OVAL-R,FLNUC,PAIRS=6162/6161/PGC58231,R=F	
NGC 6166		H875-2 Galaxy E+2 pec	PF,S,VLE,VGMBM
Feb 27 1982 12.5"	16mm	VDIF,VF,MS,R,PATCHY,SBM,OVAL	
NGC 6168		Galaxy Sdm:	EEF,ME,F*AT PEND
Jun 23 2022 36"	17mmT4	PB,ML,EDGE ON,UB,MHSIB,F* IN TIP,NO CNTR BULGE,R=G	
NGC 6173		H640-3 Galaxy E	CF,VS,R,BM
Jun 23 2022 36"	17mmT4	PB,ML,OVAL,LBNUC,MHSIB MID,PAIRS=N6174/P58350,R=G	
Feb 27 1982 12.5"	16mm	B* IN FIELD,R,GMBM	
NGC 6174		Galaxy C	VF
Jun 23 2022 36"	17mmT4	VF,VS,R,*NUC,INTRACT=P58350,CAN JUST SPLIT THE COMP,R=P	
NGC 6175		H641-3 Galaxy Double System	VF,VS,R
Mar 21 2020 36"	17mmT4	MB,ML,EL,NND,SHISB,PATCHY,F* OFF ONE EDGE,BKN PARTS,R=FG	
NGC 6177		H890-3 Galaxy (R')SB(s)b	VF,PL,IE,RR,*NR
Jun 23 2022 36"	17mmT4	MB,ML,EL-OVAL,SBNUC,SHISB,F* IN EDGE,PAIR=N6179,R=FG	
Mar 21 2020 36"	17mmT4	MB,MS,EL,FLNUC,SHISB,F* IN TIP,R=FG	
NGC 6179		Galaxy C	VF,S,BMN,4'NF6177
Jun 23 2022 36"	17mmT4	PF,VS,PATCH,UB,NND,PAIR=N6177,R=PF	
NGC 6180		Galaxy E?	EF,VS,R,MBM
Jun 23 2022 36"	17mmT4	MB,MS,SBNUC,F GRAN HALO DET,MBM,SHISB MID,PAIR=P58397,R=F	
NGC 6181		H753-2 Galaxy SAB(rs)c	PB,PL,VLE,PGMBM
Feb 27 1982 12.5"	16mm	DIF,MF,PS,F*S CLOSE,MHSIB	
Jul 14 1980 12.5"	24mm		
Jul 05 1980 12.5"	24mm		
NGC 6185		Galaxy S?	F,S,R,GBM,*11NP
Feb 27 1982 12.5"	16mm	MF,VS,* ON N EDGE,MHSIB,OVAL	
NGC 6186		H730-3 Galaxy (R')SB(s)a	EF,VS,E
Mar 27 1982 12.5"	16mm	VDIF,EF,MS,EL,F*S SVRL GLXY DIA,SLT EL,NND,UB	
NGC 6194		Galaxy Compact	VF,VS,SBM*12
Apr 26 2003 12.5"	9mmT6	MF,PS,PATCH,FNUC,SBM,R=F	
May 10 2002 12.5"	16mm	EDIF,EF,ES,F* CLOSE BY,*NUC	
Feb 27 1982 12.5"	16mm	EDIF,EF,ES,FNUC,*NUC,R	

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NGC 6195		H893-3	Galaxy Sb	VF,S,R,GBM,BET2*
Feb 27 1982	12.5"	16mm	EDIF,EF,ES,F*N AND S EDGE,OVAL,NND	
NGC 6196			Galaxy SAB0-: pec	VF,VS,STELLAR
Apr 26 2003	12.5"	9mmT6	PF,MS,OVAL,PATCH,FNUC,PAIR/IC4614/6197,R=F	
NGC 6197			Galaxy	EF,E,STELLAR
Apr 26 2003	12.5"	9mmT6	DIF,PF,PS,PATCH,NND,PAIR/IC4614/6169,R=F	
Feb 27 1982	12.5"	16mm	EDIF,EF,ES,FNUC,*NUC,R	
NGC 6205	M13		Globular	GCL,EB,VRI,VGECM,*11
Jun 25 2019	36"	17mmT4	(Class IV),EB,EL,VHISB,100'S OF *S ON TOP OF FT HISB BG,FILLS FOV,R=E	
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Feb 25 1982	12.5"	16mm	VB,VL,BNUC,RSLV TO CORE,BEAUTIFUL!!!,HUNDREDS OF *S	
Sep 20 1981	12.5"	24mm		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Sep 10 1980	12.5"	24mm		
Sep 03 1980	12.5"	24mm		
Jul 14 1980	12.5"	24mm		
Jul 12 1980	12.5"	24mm		
Jul 11 1980	12.5"	24mm		
Jul 05 1980	12.5"	24mm		
Jun 20 1980	12.5"	24mm		
Jun 18 1980	12.5"	9mm	LOOKS GREAT!!!	
Jun 17 1980	12.5"	24mm	OK,RSLV TO CORE IN 9MM,24MM AND BARLOW BEAUTIFUL!!!	
Jun 10 1980	6"	24mm		
Apr 18 1980	6"	24mm		
Apr 16 1980	6"	24mm		
NGC 6207			H701-2	Galaxy SA(s)c
Feb 25 1982	12.5"	16mm	DIF,MF,PS,EL,FNUC,BY M13,4F*S W SIDE,*NUC	PB,PL,E45,VGMBM
Mar 27 1981	12.5"	24mm		
Jul 14 1980	12.5"	24mm	WITH BARLOW THERE IS A B* IN GLXY CNTR	
Jul 12 1980	12.5"	24mm		
Jul 11 1980	12.5"	24mm		
Jul 05 1980	12.5"	24mm		
Jun 20 1980	12.5"	24mm		
Jun 17 1980	12.5"	24mm	GREAT,FIRST SIGHTING OF THIS OBJ,SAME 24MM FOV AS M13	
NGC 6210			Planetary Neb 2+3b	PLN,VB,VS,R,DISC
May 17 2009	31"	17mmT4	VB,ML,CNTR* APP 12TH MAG,INNER RGN GRAN,F WISPS OF NEB BEYOND BALL,BB-G,B INNER RGN SUR CNTR*,OIII SHOWS MORE FT NEB SUR BALL,R=E	
Jul 14 1980	12.5"	24mm		
Jul 12 1980	12.5"	24mm		
Jul 11 1980	12.5"	24mm		
Jul 05 1980	12.5"	24mm		
Jun 17 1980	12.5"	9mm	FIRST SIGHTING,B BLUE WITH 9MM AND NEB FILTER	

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NGC 6212		Galaxy S?	EF
Mar 27 1982 12.5"	16mm	EDIF,EF,ES,ELON EDGE OF AV,NND,PATCHY	
NGC 6229		H50-4	Globular IV
Jun 28 2019 36"	17mmT4	(Class IV),VB,PL,HIGH CL OF *S TOWARDS MID,BLNUC,HISP,R=E	GCL,VB,L,R,DISC,R
Feb 25 1982 12.5"	16mm	MB,MS,BNUC,MHISB,ALM RSLV,R	
Jul 14 1980 12.5"	24mm		
Jul 12 1980 12.5"	24mm		
Jul 11 1980 12.5"	24mm		
Jun 17 1980 12.5"	24mm		
Apr 18 1980 6"	24mm	LOOKS LIKE 3RD * IN A TRI	
NGC 6239		H727-3	Galaxy SB(s)b pec?
Mar 27 1982 12.5"	16mm	VDIF,VF,MS,PATCHY,UB,NND	VF,E,BIN,NPSF
Feb 25 1982 12.5"	16mm	EDIF,MF,MS,F*N SVRL GLXY DIA,SBM,OVAL,NUC SUSP	
NGC 6241		H735-3	Galaxy Sc
Mar 27 1982 12.5"	16mm	EDIF,EF,VS,NND,OVAL-PATCHY,UB	EF,PS
NGC 6255		H689-3	Galaxy SBcd:
Mar 21 2020 36"	17mmT4	MF,VL,EL,EDGE ON,NND,BKN PARTS,CNTR BULDGING,F* IN EDGE,R=FG	EF,CL,E90
NGC 6257		Galaxy	VF,(VSD*),FD*NF
May 30 2022 36"	17mmT4	PF,MS,EL-PATCH,UB,NND,R=F	
NGC 6267		H123-3	Galaxy SB(r)bc
Mar 27 1982 12.5"	16mm	DIF,VF,MS,B*NW EDGE,MHISB,NND,OVAL	VF,PL,R,LBM
NGC 6269		Galaxy E	F,S,R
Mar 27 1982 12.5"	16mm	VDIF,VF,ES,R,S,*NUC,EF* S 1 GLXY DIA	
NGC 6276		Galaxy S0	EF
Mar 21 2020 36"	17mmT4	MF,ML,PATCH,FLNUC,PAIR=6278,R=F	
NGC 6278		H124-3	Galaxy S0
Mar 21 2020 36"	17mmT4	PB,ML,OVAL,BLNUC,HISB,GMBM,GRAN HALO,PAIR=6277,R=G	VF,STELLAR
NGC 6283		H728-3	Galaxy S
Mar 21 2020 36"	17mmT4	VB,ML,PATCH,UB,NND,MHISB,R=GE	VF,CS,IR
NGC 6301		H57-4	Galaxy Scd:
Mar 09 2021 36"	17mmT4	MF,PL,OVAL-R,NND,SHISB,FACE ON,* IN ARMS,PAIR=PGC59691,R=F	F,STELLAR
NGC 6341	M92	Globular	GCL,VB,VL,ECM,ST S
Jun 28 2019 36"	17mmT4	(Class V),EB,EL,*S RSLV TO CORE,L HALO,BM,R=E	
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Jun 25 2003 12.5"	9mmT6	EB,EL,RSLV TO CORE,BEAUTIFUL,R=E	

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NGC 6341	M92	Globular	GCL,VB,VL,ECM,ST S
Feb 25 1982	12.5" 16mm	RSLV TO CORE,VB,VL,BNUC,S THAN M13	
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Sep 03 1980	12.5" 24mm		
Jul 14 1980	12.5" 24mm		
Jul 12 1980	12.5" 24mm		
Jul 11 1980	12.5" 24mm		
Jul 05 1980	12.5" 24mm		
Jun 17 1980	12.5" 24mm		
Jun 10 1980	6" 24mm		
Apr 18 1980	6" 24mm		
Apr 16 1980	6" 24mm		
NGC 6344		Galaxy	F,S,R,*12NF,NR
Jun 01 2003	12.5" 9mmT6	VDIF,EF,ES,PATCH,NND,AV HOLDS,R=P	
NGC 6371		Galaxy Sb	VF,S,R,NP OF 2
Mar 09 2021	36" 17mmT4	PF,PS,OVAL,UB,NND,PAIR=N6372,R=F	
NGC 6372		H137-3 Galaxy Sb? pec	VF,PS,IF,SF OF 2
Mar 09 2021	36" 17mmT4	MF,MS,OVAL,FLNUC,GBM,F* IN EDGE,PAIR=N6371,R=F	
NGC 6389		H901-2 Galaxy Sbc	F,S,IF,ER
May 05 2021	36" 17mmT4	MB,ML,OVAL,FLNUC,* IN OUTER EDGE,PATCHY,SPR STR?,R=FG	
NGC 6490		Galaxy S0-?	VF,VS,STELLAR
Jul 03 2003	12.5" 9mmT6	MF,PS,OVAL,FNUC,SNUC,GBM,PAIR=6495,R=G	
NGC 6495		Galaxy E	F,S,R
Jul 03 2003	12.5" 9mmT6	DIF,PF,ML,PATCH,FNUC,SNUC,SBM,PAIR=6490,R=F	
NGC 6500		H957-3 Galaxy SAab:	VF,VS,SP OF 2
Jul 03 2003	12.5" 9mmT6	PB,ML,BNUC,SHISB,SBM,SNUC,SLT ELPAIR=6501,R=G	
NGC 6501		H958-3 Galaxy SA0+:	VF,VS,NF OF 2
Jul 03 2003	12.5" 9mmT6	PB,ML,BNUC,SHISB,SNUC,PAIR=6500,R=G	
NGC 6504		Galaxy S	F,VME,SBM
Jul 03 2003	12.5" 9mmT6	MB,ML,OVAL,BNUC,SHISB,BSNUC,GBM,R=G	
NGC 6513		Galaxy SB0:	VF,VS,STELLAR
Jul 03 2003	12.5" 9mmT6	PF,MS,PTACH,VFNUC,SNUC,R=F	
NGC 6518		Galaxy	2VF,CLOSEST IN VFNEB
Jul 03 2003	12.5" 9mmT6	PF,VS,PATCH,VFNUC,SBM,R=F	
NGC 6524		Galaxy S0-:	PF,PS,LE

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NGC 6524		Galaxy S0-:	PF,PS,LE
Jul 03 2003	12.5" 9mmT6	DIF,PF,ML,PATCH,SMWHT BM,R=F	
NGC 6527		Galaxy Sa:	EEF,VS,R
Jul 03 2003	12.5" 9mmT6	VDIF,VF,PS,PATCH,NND,R=P	
NGC 6547		Galaxy S0	F,VS,E,MBM
Jul 03 2003	12.5" 9mmT6	DIF,PF,PS,PATCH,NND,AV,R=F	
NGC 6548		H555-3 Galaxy SB0	CF,S,LE,R
Jul 03 2003	12.5" 9mmT6	PB,VL,R,BNUC,SHISB,HISB CNTR,SOFT LNUC,PAIR=6549,R=G	
Sep 04 2002	12.5" 9mmT6	PB,ML,OVAL,GMBM,MHISB,PAIR/6549	
NGC 6549		Galaxy S?	VF,PL,IR,NEAR 6548
Jul 03 2003	12.5" 9mmT6	VDIF,VF,PS,PATCH,UB,NND,AV,PAIR=6548,R=P	
Sep 04 2002	12.5" 9mmT6	VDIF,PF,PS,EL,PATCH,NND,UB,PAIR/6548	
NGC 6555		H902-2 Galaxy SAB(rs)c	F,L,R,VGLBM
Jul 03 2003	12.5" 9mmT6	PB,PL,PATCH,NND,MHISB,R=G	
NGC 6560		Galaxy S pec?	EEF,PS,IR
Jul 03 2003	12.5" 9mmT6	VDIF,VF,VS,PATCH,UB,R=P	
NGC 6571		Galaxy E/S0	EF,VS,STELL
Jul 03 2003	12.5" 9mmT6	VDIF,EF,PS,PATCH,UB,NND,AV,R=P	
PAL 14		Globular	
Jun 25 2019	36" 17mmT4	(Class ?),VF,ES,LOC E,F* WITH SOME GLOW SUR IT,SUSP,R=P	
PGC 56685		Galaxy SAB0-	
Mar 09 2021	36" 17mmT4	MF,PS,OVAL,FSNUC,PAIR=N6028,R=F	
PGC 56741		Galaxy SAB(s)b	
May 17 2009	31" 17mmT4	EF,ES,NO FIND,LOC,GOOD,AGC2147,R=P	
PGC 56765		Galaxy SA0- pec	
May 17 2009	31" 17mmT4	VF,VS,FSNUC,* OFF SIDE,INTRACT=MAC,AGC2147,R=P	
PGC 56770		Galaxy E3	
May 14 2009	31" 17mmT4	PF,PS,EL,PATCH,UB,NND,AGC 2147,R=P	
Apr 26 2006	31" 17mmT4	PF,MS,EL,UB,NND,PAIRS=PGC'S/MAC'S,E FOV OF GLXY,R=F	
Mar 29 2006	31" 17mmT4	PF,MS,EL,UB,NND,MANY COMP,E GRP,R=F	
PGC 56773		Galaxy S?	
May 17 2009	31" 17mmT4	EF,PS,PATCH,AV,AGC2147,R=P	
PGC 56777		Galaxy SAB(r)ab	

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PGC 56777		Galaxy SAB(r)ab
May 14 2009 31"	17mmT4	MF,PS,R,BLNUC,AGC 2147,R=F
Apr 26 2006 31"	17mmT4	MF,MS,R,FLNUC,PAIRS=PGC'S/MAC'S,E FOV OF GLXY,R=P
Mar 29 2006 31"	17mmT4	MF,MS,OVAL,UB,NND,SHISB,MANY COMP,E GRP,R=F
PGC 56781		Galaxy L
Apr 26 2006 31"	17mmT4	VF,PS,EL,UB,NND,R=F
PGC 56782		Galaxy
May 18 2007 31"	17mmT4	PF,VS,OVAL,PATCH,UB,NND,R=F
Apr 26 2006 31"	17mmT4	DIF,VF,VS,PATCH,UB,NND,PAIRS=PGC'S/MAC'S,E FOV OF GLXY,R=P
Mar 29 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=PGC56784/PGC56783,R=P
PGC 56783		Galaxy
May 18 2007 31"	17mmT4	VF,VS,PATCH,NND,COMP=MAC,APPEAR AS ONE,CAN SPLIT WITH AV,R=P
Apr 26 2006 31"	17mmT4	DIF,VF,PS,PATCH,UB,NND,PAIRS=MAC'S/PGC'S,E FOV OF GLXY,R=P
Mar 29 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=PGC56784/PGC56782,R=P
PGC 56784		Galaxy E+
May 14 2009 31"	17mmT4	MF,MS,R,BLNUC,AGC 2147,R=F
May 18 2007 31"	17mmT4	MB,ML,OVAL,FLNUC,SHISB CNTR,R=G
Apr 26 2006 31"	17mmT4	MF,MS,R,FLNUC,SBM,PAIRS=PGC'S/MAC'S,E FOV OF GLXY,R=P
Mar 29 2006 31"	17mmT4	MF,MS,OVAL,UB,NND,SHISB,MANY COMP,E GRP,R=G
PGC 56813		Galaxy (R)SAB0+
May 17 2009 31"	17mmT4	VDIF,EF,PS,PATCH,CANNOT DETECT,LOC GOOD,VDIF,AGC2147,R=P
PGC 56830		Galaxy C
May 17 2009 31"	17mmT4	PF,PS,PATCH,NND,AGC2147,R=P
PGC 56838		Galaxy (R')SB(s)0/a
May 17 2009 31"	17mmT4	MF,MS,OVAL,FLNUC,SHISB CNTR,AGC2147,R=F
PGC 56848		Galaxy SBR
May 17 2009 31"	17mmT4	EF,PS,PATCH,NND,AV,AGC2147,R=P
PGC 56855		Galaxy
May 18 2009 31"	17mmT4	PF,MS,OVAL,NND,AGC 2151,R=P
PGC 56858		Galaxy
May 18 2009 31"	17mmT4	PF,MS,OVAL,NND,AGC 2151,R=P
PGC 56880		Galaxy
May 17 2009 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,AGC2147,R=P
PGC 56888		Galaxy
May 17 2009 31"	17mmT4	EF,VS,PATCH,NND,AV,R=P

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PGC 56890		Galaxy SB(rs)a
May 30 2022 36"	17mmT4	PF,VS,OVAL,UB,*NUC,FT * OR *NUC.PAIR=PGC56915,R=PF
PGC 56911		Galaxy
May 18 2009 31"	17mmT4	VF,PS,PATCH,TOOK A WHILE WITH AV,AGC 2151,R=P
PGC 56915		Galaxy C
May 30 2022 36"	17mmT4	PF,VS,OVAL,UB,NND,PAIR=PGC56890,R=PF
PGC 56919		Galaxy
May 18 2009 31"	17mmT4	PF,PS,PATCH,AGC 2151,R=P
PGC 56922		Galaxy
May 18 2009 31"	17mmT4	VF,PS,PATCH,NND,AV TOOK A WHILE,AGC 2151,R=P
PGC 56936		Galaxy
May 18 2009 31"	17mmT4	VF,PS,PATCH,AGC 2151,R=P
PGC 56945		Galaxy
Mar 29 2006 31"	17mmT4	EF,VS,PATCH,AGC 2151,R=P
PGC 56948		Galaxy SAB(s)c
May 18 2009 31"	17mmT4	PF,PS,PATCH,NND,AGC 2151,R=P
PGC 56969		Galaxy
May 19 2009 31"	17mmT4	EF,VS,PATCH,AV ONLY FEW TIMES,AGC 2151,R=P
PGC 56973		Galaxy
May 18 2009 31"	17mmT4	VF,VS,PATCH,V CLOSE COMP=MAC,CAN BARELY SEP,AGC 2151,R=P
PGC 56987		Galaxy SA(s)c
May 18 2009 31"	17mmT4	MF,MS,R,FLNUC,AGC 2151,R=F
PGC 56992		Galaxy S
May 19 2009 31"	17mmT4	VF,MS,OVAL,PATCH,UB,NND,AGC 2151,R=P
PGC 57000		Galaxy
Mar 29 2006 31"	17mmT4	EF,VS,PATCH,AV FIRST THEN HOLDS,AGC 2151,R=P
PGC 57020		Galaxy
May 18 2009 31"	17mmT4	MF,MS,PATCH,UB,NND,AGC 2151,R=P
Mar 29 2006 31"	17mmT4	VF,PS,PATCH,UB,NND,AGC 2151,R=P
PGC 57042		Galaxy
Mar 29 2006 31"	17mmT4	EF,VS,PATCH,AV,COMES AND GOES,AGC 2151,R=P
PGC 57043		Galaxy

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PGC 57043		Galaxy
Mar 29 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,AGC 2151,R=P
PGC 57047		Galaxy
May 19 2009 31"	17mmT4	VF,PS,PTACH,TOOK A WHILE FOR AV TO HOLD,AGC 2151,R=P
PGC 57052		Galaxy
May 19 2009 31"	17mmT4	EF,PS,PTAHC,AV HOLDS AFTER A WHILE,AGC 2151,R=P
PGC 57055		Galaxy
May 19 2009 31"	17mmT4	PF,PS,PATCH,NND,AGC 2151,R=P
PGC 57057		Galaxy
May 19 2009 31"	17mmT4	EF,VS,PATCH,AV ONLY A FEW TIMES,AGC 2151,R=P
PGC 57060		Galaxy SB
Mar 29 2006 31"	17mmT4	PF,PS,EL,PATCH,UB,NND,AGC 2151,R=P
PGC 57061		Galaxy Sc
May 19 2009 31"	17mmT4	EF,VS,PATCH,AV TOOK A LONG TIME,COMES AND GOES,HOLDS AT TIMES,AGC 2151,R=P
PGC 57064		Galaxy
Mar 29 2006 31"	17mmT4	EF,VS,PATCH,AV HOLDS,AGC 2151,R=P
PGC 57070		Galaxy
Mar 29 2006 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,AGC 2151,R=P
PGC 57071		Galaxy
May 19 2009 31"	17mmT4	MF,PS,R,BSNUC,AGC 2151,R=F
Mar 29 2006 31"	17mmT4	VF,VS,OVAL,UB,NND,AGC 2151,R=F
PGC 57077		Galaxy
May 19 2009 31"	17mmT4	EF,VS,PATCH,AGC 2151,R=P
PGC 57088		Galaxy SB(s)(a)
May 19 2009 31"	17mmT4	VF,PS,PATCH,FLNUC,AGC 2151,R=F
PGC 57092		Galaxy
May 19 2009 31"	17mmT4	MV,VS,PATCH,NND,AGC 2151,R=F
PGC 57097		Galaxy SB(rs)b
Mar 29 2006 31"	17mmT4	VF,PS,R,UB,NND,AGC 2151,R=F
PGC 57099		Galaxy
May 19 2009 31"	17mmT4	VF,ES,PATCH,AGC 2151,R=P
PGC 57103		Galaxy

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PGC 57103		Galaxy
May 19 2009 31"	17mmT4	VF,PS,PATCH,NND,AGC 2151,R=P
PGC 57106		Galaxy
May 19 2009 31"	17mmT4	VF,VS,PATCH,AV USED TO LOCATE,THEN HOLDS,AGC 2151,R=P
PGC 57112		Galaxy
May 19 2009 31"	17mmT4	VF,VS,PATCH,AGC 2151,R=P
PGC 57115		Galaxy
May 19 2009 31"	17mmT4	EF,VS,PATCH,TAKES A WHILE FOR AV,AGC 2151,R=P
PGC 57119		Galaxy
May 19 2009 31"	17mmT4	VF,VS,PATCH,NND,AGC 2151,R=P
PGC 57121		Galaxy SAB(s)bc
May 19 2009 31"	17mmT4	PF,PS,PATCH,NND,AGC 2151,R=P
PGC 57123		Galaxy
May 19 2009 31"	17mmT4	EF,VF*S CLOSE BY,SUSP,AGC 2151,R=P
PGC 57131		Galaxy SAB(rs)cd
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,NND,AGC 2151,R=P
PGC 57133		Galaxy
May 19 2009 31"	17mmT4	VF,VS,PATCH,AV HOLDS,AGC 2151,R=P
PGC 57136		Galaxy SB(r)b
May 19 2009 31"	17mmT4	PF,MS,PATCH,UB,NND,R=F
PGC 57143		Galaxy
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,AGC 2151,R=P
PGC 57144		Galaxy
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,NND,AGC 2151,R=P
PGC 57160		Galaxy SAB(r)b
Mar 16 2010 31"	17mmT4	PF,MS,PATCH,UB,NND,AGC 2151,R=F
PGC 57162		Galaxy E
Mar 16 2010 31"	17mmT4	EF,VS,PATCH,AV TOOK A WHILE THEN HOLDS,AGC 2151,R=P
PGC 57184		Galaxy SA(s)b?
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,AGC 2151,R=P
PGC 57185		Galaxy
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,AGC 2151,R=P

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PGC 57190		Galaxy
Mar 17 2010 31"	17mmT4	EF,VS,PATCH,SUSP,AV ONLY ONCE OR TWICE,LOC GOOD,AGC 2151,R=P
PGC 57198		Galaxy
Mar 17 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,AGC 2151,R=F
PGC 57419		Galaxy S
May 30 2022 36"	17mmT4	MF,PS,OVAL,LFNUC,ON TOP OF EACH OTHER,CANNOT SEP,SBM,SHISB,PAIR=N6074,R=F
PGC 57430		Galaxy Sb
May 30 2022 36"	17mmT4	PF,MS,EDGE ON,UB,NND,B* ON TIP,CIGAR SHAPE,R=F
PGC 57617		Galaxy
May 30 2022 36"	17mmT4	VF,PS,PATCH,UB,PAIR=IC1206,R=PG
PGC 57625		Galaxy L
Apr 04 2005 31"	17mmT4	MF,PS,EL-OVAL,FSNUC,PAIR=PGC57626,R=F
PGC 57626		Galaxy S
Apr 04 2005 31"	17mmT4	MF,PS,EL-OVAL,FSNUC,PAIR=PGC57625,R=F
PGC 57627		Galaxy Sc? sp
May 30 2014 36"	17mmT4	MF,MS,EDGE ON,UB,NND,PA~0,TAPERED ENDS,KEEP B* OUT OF FOV,R=F
PGC 57678		Galaxy SB(s)m
Mar 17 2007 31"	17mmT4	VDIF,EF,EL-OVAL,PATCHY,SVRL VF*S IN AND SUR GLXY,R=P
PGC 57773		Galaxy COMPACT
May 18 2007 31"	17mmT4	VF,VS,PATCH,UB,NND,AV FIRST THEN HOLDS,PAIRS=PGC'S,R=P
PGC 57774		Galaxy S
May 18 2007 31"	17mmT4	VDIF,VF,VS,PATCH,UB,NND,AV FIRST,PAIRS=PGC'S,R=P
PGC 57777		Galaxy S
May 18 2007 31"	17mmT4	VDIF,EF,VS,PATCH,UB,NND,AV FIRST,PAIRS=PGC'S,R=P
PGC 57779		Galaxy S
May 18 2007 31"	17mmT4	VDIF,EF,VS,PATCH,UB,NND,AV,SUSP,TOO CLOSE TO COMP,CANNOT DETECT,R=P
PGC 58045		Galaxy S
May 30 2022 36"	17mmT4	EF,VS,EL,ALM TOUCH * IN FOV,PAIR=IC1219,R=P
PGC 58049		Galaxy E2
Jun 23 2022 36"	17mmT4	VF,VS,PATCH,R=P
PGC 58100		Galaxy Sb
Mar 21 2020 36"	17mmT4	MF,MS,EL,FSNUC,PAIR=6150,R=F

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PGC 58191		Galaxy
Mar 21 2020 36"	17mmT4	EF,ES,PATCH,AV COMES AND GOES,PAIRS=6160/MAC,R=P
PGC 58195		Galaxy S
Mar 21 2020 36"	17mmT4	VF,ES,UB,NND,PAIRS=6158/MAC,R=PF
PGC 58196		Galaxy
Jun 23 2022 36"	17mmT4	MF,PS,EL,SFNUC,PAIR=N6159,R=F
PGC 58231		Galaxy S
May 18 2007 31"	17mmT4	VF,VS,PATCH,*NUC,PAIRS=6163/6162/6161,R=P
PGC 58236		Galaxy Sc
May 18 2007 31"	17mmT4	PF,MS,PATCH,UB,NND,VF* IN EDGE,R=F
PGC 58244		Galaxy E
May 18 2007 31"	17mmT4	MF,PS,R,UB,NND,MANY OTHER'S PRESENT IN FOV,R=F
PGC 58254		Galaxy
Mar 17 2007 31"	17mmT4	PF,MS,OVAL,FSNUC,PAIRS=PGC'S,R=F
PGC 58255		Galaxy
Mar 17 2007 31"	17mmT4	PF,MS,OVAL,UB,NND,PAIRS=PGC'S,R=P
PGC 58261		Galaxy
Mar 17 2007 31"	17mmT4	EF,VS,PATCH,NND,PAIRS=PGC'S,R=P
PGC 58262		Galaxy S
Mar 17 2007 31"	17mmT4	PF,PS,OVAL,FLNUC,PAIRS=PGC'S,R=F
PGC 58275		Galaxy
Mar 17 2007 31"	17mmT4	VF,VS,OVA,UB,NND,PAIRS=PGC'S,R=F
PGC 58276		Galaxy S
Mar 17 2007 31"	17mmT4	PF,PS,OVAL,FSNUC,PAIRS=PGC'S,R=F
PGC 58278		Galaxy S
Mar 17 2007 31"	17mmT4	VF,VS,EL,FSNUC,PAIRS=PGC'S,R=F
PGC 58282		Galaxy
Mar 17 2007 31"	17mmT4	VF,VS,PATCH,UB,NND,AV,PAIRS=PGC'S,R=P
PGC 58350		Galaxy C
Jun 23 2022 36"	17mmT4	VF,VS,OVAL-R,UB,NND,.INTRACT=N6174,CAN JUST SPLIT THE COMP,R=P
PGC 58366		Galaxy
Jun 23 2022 36"	17mmT4	VF,VS,PATCH,NND,LOC RIGHT NEXT TO IC4607 WHICH IS UNKNOWN,R=P

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PGC 58376		Galaxy SBcd:
May 18 2007 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,R=F
PGC 58395		Galaxy Sb
May 18 2007 31"	17mmT4	VDIF,VF,MS,EL-EDGE ON,UB,NND,R=P
PGC 58397		Galaxy S
Jun 23 2022 36"	17mmT4	MF,MS,EL-EDGE ON,UB,NND,PAIR=N6160,R=PF
PGC 58410		Galaxy Sc
May 18 2007 31"	17mmT4	MF,ML,R,UB,NND,R=F
PGC 58559		Galaxy E
May 18 2007 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=PGC'S,R=P
PGC 58562		Galaxy E
May 18 2007 31"	17mmT4	NO FIND,TOO CLOSE TO PGC58565 AND TOO F,R=P
PGC 58565		Galaxy E
May 18 2007 31"	17mmT4	VF,VS,PATCH,UB,NND,VF* OFF ONE SIDE,PAIRS=PGC'S,R=P
PGC 58569		Galaxy S
May 18 2007 31"	17mmT4	EF,VS,PATCH,AV,SUSP,PAIRS=PGC'S,R=P
PGC 58610		Galaxy SBa
Apr 26 2003 12.5"	9mmT6	VDIF,VF,ML,EL,PATCH,UB,AV HOLDS,PAIR/58613,R=P
PGC 58613		Galaxy S
Apr 26 2003 12.5"	9mmT6	EDIF,EF,MS,PATCH,AV HOLDS,PAIR/58610,R=P
PGC 58633		Galaxy S?
Apr 26 2003 12.5"	9mmT6	EDIF,EF,ES,PATCH,UB,BET 2*S,EASY TO FIND,R=P
PGC 58664		Galaxy Double System
Apr 26 2006 31"	17mmT4	MF,PS,EDGE ON WITH A SLT BEND,UB,NND,PAIR=PGC58674,R=F
PGC 58674		Galaxy Ring A
Apr 26 2006 31"	17mmT4	PF,VS,R,UB,NND,PAIR=PGC58664/PGC59061,R=F
PGC 58730		Galaxy Compact
Apr 26 2003 12.5"	9mmT6	VF,VS,R,FNUC,PAIR/58733,R=P
PGC 58733		Galaxy Sc
Apr 26 2003 12.5"	9mmT6	VDIF,EF,MS,PATCH,AV HOLDS,PAIR/58730,R=P
PGC 58759		Galaxy Sb
Apr 26 2003 12.5"	9mmT6	DIF,VF,VS,OVAL,UB,COMP=58766,R=P

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PGC 58766		Galaxy Sb
Apr 26 2003	12.5" 9mmT6	DIF,VF,VS,OVAL,UB,COMP=58759,R=P
PGC 58777		Galaxy Sb
Apr 26 2003	12.5" 9mmT6	VF,MS,PATCH,UB,NND,R=P
PGC 58784		Galaxy Sb
Apr 26 2003	12.5" 9mmT6	VF,VS,PATCH,V SLT HISB,R=P
PGC 58788		Galaxy E
Apr 26 2003	12.5" 9mmT6	DIF,VF,PS,PATCH,UB,NND,R=F
PGC 58800		Galaxy Sbc
Apr 26 2003	12.5" 9mmT6	DIF,EF,VS,PATCH,AV,R=P
PGC 58838		Galaxy S
May 18 2007	31" 17mmT4	MF,MS,EL-EDGE ON,UB,NND,LOCATED IN TRIANGLE OF *S,R=F
PGC 58901		Galaxy S R
Mar 04 2006	31" 17mmT4	VF,VS,PATCH,PAIRS=IC1230/IC1229,R=P
PGC 58933		Galaxy
May 18 2007	31" 17mmT4	VF,VS,OVAL,PATCH,UB,NND,2VF*S OUTER EDGE,B* CLOSE BY,R=P
PGC 58962		Galaxy Sa
May 18 2007	31" 17mmT4	PF,PS,EL,FSNUC,R=F
PGC 58967		Galaxy Sb-c
May 18 2007	31" 17mmT4	PF,MS,EL,PATCH,UB,NND,R=F
PGC 58970		Galaxy SB(s)b
May 18 2007	31" 17mmT4	MF,ML,OVAL,UB,NND,PATCHY,PAIRS=MAC'S,R=F
PGC 58975		Galaxy Sc
May 18 2007	31" 17mmT4	VF,MS,EDGE ON,UB,NND,PAIR=PGC58981,R=P
PGC 58981		Galaxy SBab:
May 18 2007	31" 17mmT4	PF,MS,EL,PATCH,UB,NND,PAIR=PGC58975,R=F
PGC 59018		Galaxy Dwarf
Jul 24 2006	31" 17mmT4	VDIF,EF,VS,PATCH,UB,AV,PAIRS=PGC'S,R=P
PGC 59028		Galaxy Im:
Jul 24 2006	31" 17mmT4	PF,VS,R,BSNUC,B* OR VBNUC,PAIRS=PGC'S,R=F
PGC 59033		Galaxy
Jul 24 2006	31" 17mmT4	PF,PS,OVAL,FLNUC,PAIRS=PGC'S,R=P

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PGC 59055		Galaxy SBcd:
Jul 24 2006 31"	17mmT4	MF,ML,EL-OVAL,FLNUC,R=F
PGC 59061		Galaxy Sa
Apr 26 2006 31"	17mmT4	PF,PS,R,FLNUC,V CLOSE COMP OFF EDGE,COMP=PGC59062,PAIR=PGC'S,R=F
PGC 59062		Galaxy S0 pec:
Apr 26 2006 31"	17mmT4	VF,ES,PATCH,ALM *,JUST BARELY TOUCH PGC59061/PAIRS=PGC'S,R=P
PGC 59065		Galaxy SAB(rs)0+ pec
Apr 26 2006 31"	17mmT4	PF,PS,VFSNUC,F* CLOSE BY,PAIRS=PGC'S,R=F
PGC 59071		Galaxy S
Apr 26 2006 31"	17mmT4	VF,VS,PATCH,* NUC,CLOSE COMP'S=PGC'S,R=P
PGC 59072		Galaxy S
Apr 26 2006 31"	17mmT4	PF,PS,OVAL-R,FLNUC,CLOSE COMP'S=PGC'S,R=P
PGC 59073		Galaxy S
Apr 26 2006 31"	17mmT4	VF,VS,UB,NND,CLOSE COMP'S=PGC'S,R=P
PGC 59113		Galaxy S
Apr 26 2006 31"	17mmT4	PF,PS,PATCH,NND,COMP=PGC59114,CANNOT SPLIT,ODD PATCHY SHAPE,R=F
PGC 59114		Galaxy
Apr 26 2006 31"	17mmT4	PF,PS,NND,ON TOP OF EACH OTHER,ODD PATCHY SHAPE,CANNOT SPLIT,COMP=PGC59113,R=F
PGC 59691		Galaxy
Mar 09 2021 36"	17mmT4	PF,PS,PATCH,UB,NND,PAIR=N6301,R=F
PGC 59984		Galaxy S
Jun 01 2003 12.5"	9mmT6	DIF,VF,VS,PATCH,UB,R=P
PGC 60067		Galaxy E0
Mar 26 2006 31"	17mmT4	MF,PS,R,FSNUC,PAIRS=PGC'S,R=F
PGC 60070		Galaxy SABb pec
Mar 26 2006 31"	17mmT4	MF,ML,OVAL,PATCH,UB,EL LIKE NUC,PAIRS=PGC'S,R=F
PGC 60073		Galaxy I
Mar 26 2006 31"	17mmT4	VDIF,EF,ES,SUSP,ALM *,PAIRS=PGC'S,R=P
PGC 62231		Galaxy Sbc
Sep 28 2013 36"	17mmT4	MF,MS,EDGE ON,UB,NND,PA~0,R=F

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ABELL 35		Planetary Neb 3a
Mar 20 2009 31"	17mmT4	CNTR* ~9TH MAG,W AND W/O OIII CANNOT DETECT ANY NEB,R=P
Mar 17 2009 31"	17mmT4	LOC GOOD,SCAN WITH AND WITHOUT OIII,ON MERIDIAN,GOOD SKIES,NO NEB DET,R=P
IC 503		Galaxy SBa
Mar 08 2013 36"	17mmT4	MF,MS,OVAL,UB,NND,SHISB,R=F
IC 504		Galaxy S0
Mar 08 2013 36"	17mmT4	MB,MS,OVAL-R,BLNUC,MHISB CNTR,PAIRS=PGC'S,R=FG
IC 505		Galaxy S
Mar 08 2013 36"	17mmT4	MF,MS,OVAL,FLNUC,PAIR=IC506,R=F
IC 506		Galaxy E/S0
Mar 08 2013 36"	17mmT4	MF,PS,OVAL,BSNUC,PAIR=IC505,R=F
IC 510		Galaxy SB
Mar 08 2013 36"	17mmT4	PF,PS,OVAL,VF* BOTH ENDS,R=PF
IC 879		Galaxy SBab
Apr 26 2006 31"	17mmT4	PF,ML,OVAL,PATCH,UB,NND,PAIR=5078,R=F
IC 2327		Galaxy Sa?
Mar 08 2013 36"	17mmT4	MF,MS,EL,UB,NND,MHISB,R=F
IC 2482		Galaxy E+
Mar 29 2006 31"	17mmT4	MB,ML,OVAL,BLNUC,MHISB CNTR,PAIRS=2863/2868,R=G
IC 2597		Galaxy E+4
Mar 17 2010 31"	17mmT4	MB,ML,OVAL,BLNUC,HICKSON 48A,MHISB CNTR,AGC 1060,R=G
Mar 16 2009 31"	17mmT4	MB,ML,VAL,LB NUC,MHISB CNTR,OTHERS PRESENT,R=G
IC 3005		Galaxy SBcd? sp
Mar 29 2006 31"	17mmT4	VDIF,EF,MS,EL,UB,NND,SVRL F*S IN PLANE OF GLXY,R=P
IC 3152		Galaxy SA0-
May 31 2014 36"	17mmT4	MF,MS,R,BLNUC,VF* OUTER EDGE,GRAN,R=FG
IC 4275		Galaxy SB?
Apr 12 2023 36"	17mmT4	VF,MS,OVAL-PATCH,NND,AV FIRST THEN HOLDS,2 FOV *S PT TO OBJ,R=P
IC 4319		Galaxy SA(s)bc?
Apr 12 2023 36"	17mmT4	PF,VS,OVAL,SBNUC,F*W EDGE,R=P
IC 4351		Galaxy SA(s)b: sp
May 31 2014 36"	17mmT4	MB,ML,EDGE ON,BNUC,PA~10,CNTR RGN B,TAPERED ENDS,R=FG

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MAC 0912-2410		Galaxy	
Mar 29 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,JUST OFF EDGE OF 2784/PAIR=MAC,R=P	
MAC 0912-2414		Galaxy	
Mar 29 2006 31"	17mmT4	DIF,EF,VS,PATCH,NND,AV,PAIRS=2784/MAC,R=P	
MAC 0925-1159		Galaxy	
Mar 29 2006 31"	17mmT4	EDIF,EF,VS,PATCH,UB,NND,AV,SUSP,COMP=2881,APPEARS AS A BULGE IN 2881,R=P	
MAC 0936-1117		Galaxy	
Mar 18 2007 31"	17mmT4	EF,VS,PATCH,UB,NND,AV,MOVED B* OUT OF FOV THEN FOUND IT,PAIRS=PGC27333/MAC'S,R=P	
MAC 0936-1119		Galaxy	
Mar 18 2007 31"	17mmT4	VF,VS,PATCH,UB,NND,AV FIRST THEN HOLDS,PAIRS=PGC27333/MAC'S,R=P	
MAC 0936-1120		Galaxy	
Mar 18 2007 31"	17mmT4	EF,VS,PATCH,UB,NND,MOVED B* OUT OF FOV THEN FOUND IT,PAIRS=PGC27333/MAC'S,R=P	
MAC 0937+0246		Galaxy	
Mar 29 2006 31"	17mmT4	EF,ES,AV,SUSP,* IN EDGE,PAIRS=2936/2937,R=P	
MAC 0944-2117		Galaxy	
Mar 29 2006 31"	17mmT4	EF,VS,PATCH,AV,PAIRS=2986/PGC27873,R=P	
MAC 1036-2709		Galaxy	
Mar 17 2010 31"	17mmT4	EF,PS,PATCH,AV FIRST THEN HOLDS,CLOSE TO *,AGC 1060,R=P	
MAC 1036-2723A		Galaxy	
Mar 17 2010 31"	17mmT4	VF,PS,PATCH,AGC 1060,R=P	
MAC 1036-2723B		Galaxy	
Mar 17 2010 31"	17mmT4	PF,PS,PATCH,AGC 1060,R=P	
MAC 1037-2647		Galaxy	
Mar 17 2010 31"	17mmT4	EF,VS,PATCH,AV TOOK A WHILE THEN HOLDS,AGC 1060,R=P	
MAC 1037-2741		Galaxy	
Mar 17 2010 31"	17mmT4	EF,ON TOP OF 3314A,CANNOT DETECT,AGC 1060,R=P	
MAC 1330-2930A		Galaxy	
Apr 16 2009 31"	17mmT4	EF,VS,PATCH,NND,CANNOT DETECT COMP,AGC 3559,R=P	
NGC 2548	M48	H22-6	Open Cluster I 3 r CL,VL,PRI,PMC,*9..13
Mar 03 2021 36"	55mm	(I 3 r),EEB,EEL,BEST IN FINDER,36" TO MUCH SCOPE,SVRL FOV'S,(9:20pm),R=P	
Mar 08 2013 36"	17mmT4	MESSIER MARATHON 2013	
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 02 1984 10"	20mm	SAME	

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NGC 2548	M48	H22-6	Open Cluster I 3 r	CL,VL,PRI,PMC,*9..13
Mar 27 1982 12.5"	24mm	MB,EL,FILLS 24MM,BTR IN FINDER		
Oct 24 1981 12.5"	24mm	VB,EL,BTR IN FINDER,FILLS UP 24MM		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
Dec 03 1980 12.5"	24mm			
NGC 2555		H256-3	Galaxy SB(rs)ab	VF,CS,IF(35*INV)
Mar 08 2013 36"	17mmT4	MB,MS,OVAL,FLNUC,F* OFF NUC,GMBB,R=FG		
NGC 2561			Galaxy SB?	VF,S,R,2*TRI
Mar 08 2013 36"	17mmT4	PF,PS,OVAL,UB,NND,R=F		
NGC 2574			Galaxy SB(rs)ab:	EF,PS,RR,*7.5NF 5'
Mar 08 2013 36"	17mmT4	MF,MS,PATCH,UB,NND,R=F		
NGC 2583			Galaxy E:	VF,S,R,SBMN,1ST OF 4
Mar 08 2013 36"	17mmT4	MF,PS,OVAL,FLNUC,PAIRS=2584/2585/PGC,R=F		
NGC 2584			Galaxy SB(s)bc?	VF,S,R,2ND OF 4
Mar 08 2013 36"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIRS=2583/2585/PGC,R=F		
NGC 2585			Galaxy SB(s)b pec	VF,S,R,3RD OF 4
Mar 08 2013 36"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,PAIRS-2583/2584/PGC,R=F		
NGC 2586			Galaxy	EF,PS,R,4TH OF4(NEB)
Mar 08 2013 36"	17mmT4	MF,MS,PATCH,UB,NND,R=F		
NGC 2590			Galaxy SA(s)bc:	F*INVIN VF,VS,LE NEB
Mar 08 2013 36"	17mmT4	MB,ML,EL-EDGE ON,BLNUC,MHISB CNTR,R=G		
NGC 2610		H35-4	Planetary Neb 4+2	F,S,ATTTO*13,*7NF
Dec 28 2008 31"	17mmT4	PB,ML,OVAL,UB,B* IN FOV,* IN EDGE,VF CNTR*15,OIII DOESNOT HELP MUCH,R=G		
Nov 22 2006 12.5"	12mmT4	MF,PS,R,F* ON EDGE OF NEB,OIII HELPS OUT SLT,R=F		
Mar 29 2006 31"	17mmT4	DIF,MB,ML,R,UB,* IN EDGE,WOIII,PATCHY,DARK AREAS,OVAL WITH B EDGES,R=G		
NGC 2618		H257-3	Galaxy (R')SA(rs)ab	EF,PL,IF
Feb 22 2020 36"	17mmT4	MF,MS,OVAL,LVNUC,R=F		
NGC 2642			Galaxy SB(r)bc	VF,PL,GBM,2B* S,ONEF
Oct 24 1981 12.5"	12mm	DIF,MF,MS,STELL NEC,UB		
NGC 2695		H280-2	Galaxy SAB(s)0^?	PF,CS,R
Feb 22 2020 36"	17mmT4	PB,MS,OVLA,BLNUC,BET 2*S,HISB CNTR,R=G		
NGC 2697			Galaxy SA(s)0+:	VF,VS,R
Feb 22 2020 36"	17mmT4	MB,ML,OVAL,PATCH,UB,NND,MHISB,R=G		

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NGC 2698			Galaxy SA0+?	VF,PS,R,*9NP4'
Feb 22 2020 36"	17mmT4	PB,ML,EL-EDGE ON,BLNUC,PAIR=N2699,KEEP B* OUT OF FOV,F* OFF NUC,HISB CNTR,R=G		
NGC 2699			Galaxy E:	VF,S,R,*15NP
Feb 22 2020 36"	17mmT4	MB,MS,EL-OVAL,BLNUC,BMBM,F HALO,PAIR=N2698,R=G		
NGC 2708		H281-2	Galaxy SAB(s)b pec?	PF,PS,E,2*NR
Feb 22 2020 36"	17mmT4	MB,ML,EL-OVAL,FLNUC,SOFT NUC,R=G		
NGC 2709			Galaxy SA0^ pec:	VF,PS,LE,NNF2708
Feb 22 2020 36"	17mmT4	PF,MS,PATCH,UB,NND,R=FG		
NGC 2718		H557-2	Galaxy (R')SAB(s)ab	F,PL,E,AM3*
Oct 24 1981 12.5"	12mm	PATCHY,PF,MS,*NUC SUSP,SBM		
NGC 2721		H529-2	Galaxy SB(rs)bc pec	CF,PL,R,VGBM
Feb 22 2020 36"	17mmT4	MF,MS,OVAL,VFSNUC,GRADUALLY BM,R=G		
NGC 2722		H264-3	Galaxy SA(rs)bc pec:	F,S,R
Feb 22 2020 36"	17mmT4	MB,ML,OVAL,UB,SMWHT BM,R=G		
NGC 2763		H275-3	Galaxy SB(r)cd pec	VF,PS,BM,S*30"N
Feb 22 2020 36"	17mmT4	MF,MS,OVAL,FLNUC,GRAN HALO,R=G		
NGC 2765		H520-2	Galaxy S0	VF,PL,E,GBM,ER
Mar 29 2006 31"	17mmT4	PB,PL,EL,BSNUC,SHISB,DUST LANE SUSP,R=G		
NGC 2781		H66-1	Galaxy SAB(r)0+	B,S,VLE,PSMBM
Mar 29 2006 31"	17mmT4	PB,VL,EL,BLNUC,HISB CNTR,BM,R=G		
NGC 2784		H59-1	Galaxy SA(s)0^:	B,L,ME64,GMBM
Mar 29 2006 31"	17mmT4	VB,VL,EL,BLNUC,HISB CNTR,GMBM,PAIRS=MAC'S,R=G		
NGC 2811		H505-2	Galaxy SB(rs)a	PB,PS,E,PSMBM
Feb 12 1983 12.5"	16mm	DIF,PF,PS,EL,F*W,NND,TAPERED ENDS,FIELD OF B*S		
Oct 22 1982 12.5"	16mm	MF,PS,SLT EL,SBM,F* W SVRL GLXY DIA		
NGC 2815		H242-3	Galaxy SB(r)b:	F,S,LE,GBM
Feb 22 2020 36"	17mmT4	MB,ML,OVAL,UB,NND,HISB,R=G		
NGC 2848		H488-3	Galaxy SAB(s)c:	VF,CL,E45,GLBM,*11NF
Feb 22 2020 36"	17mmT4	MF,MS,FLNUC,FARMS SUSP,SOFT NUC,GRAN HALO,PAIR=N2851,R=FG		
NGC 2851			Galaxy SA0^:	EF,PS,ME,F 2848
Feb 22 2020 36"	17mmT4	PF,PS,EL,PATCH,NND,PAIR=2848,R=F		
NGC 2855		H132-1	Galaxy (R)SA(rs)0/a	PB,PL,R,GMBMN

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NGC 2855		H132-1	Galaxy (R)SA(rs)0/a	PB,PL,R,GMBMN
Mar 29 2006 31"	17mmT4	VB,VL,R,BLNUC,F HALO,SHISB CNTR,R=G		
NGC 2863		H520-3	Galaxy Sm	CF,S,E,BET2*12,16
Mar 29 2006 31"	17mmT4	MF,MS,OVAL,UB,NND,* ONE EDGE,FTR * OTHER SIDE,PAIRS=2868/IC2482,R=F		
NGC 2868			Galaxy E/S0	EF,S,R,10S P NEXT
Mar 29 2006 31"	17mmT4	PF,PS,OVAL,VFSNUC,F* OFF EDGE,PAIRS=2863/IC2482,R=F		
NGC 2881			Galaxy S?	EF,PS,2*4'F
Mar 29 2006 31"	17mmT4	MF,MS,OVAL,UB,NND,2VF*S IN GLXY,B* OTHER SIDE,COMP=MAC,R=F		
NGC 2889		H555-2	Galaxy SAB(rs)c	PF,PS,VLE,VGLBM,R
Mar 29 2006 31"	17mmT4	MB,ML,R,FLNUC,GMBM,SHISB,R=G		
NGC 2902		H276-3	Galaxy SA(s)0^:	VF,VS,STELLAR
Feb 22 2020 36"	17mmT4	MB,MS,R,LNUC,R=G		
NGC 2907		H506-2	Galaxy SA(s)a? sp	PF,S,LE,MBSF
Feb 22 2020 36"	17mmT4	MB,MS,EL-OVAL,FLNUC,R=FG		
NGC 2920			Galaxy Sa pec:	EF,S,R,P OF 2
Feb 22 2020 36"	17mmT4	PF,PS,EL,PATCH,NND,PAIR=N2921,R=F		
NGC 2921		H597-3	Galaxy (R')SAB(rs)a p	VF,PS,LE,VGLBM,F OF2
Feb 22 2020 36"	17mmT4	MF,MS,OVAL,FLNUC,PAIR=N2902,R=F		
NGC 2935		H556-2	Galaxy (R')SAB(s)b	PB,PS,VLE,GMBM
Feb 22 2020 36"	17mmT4	MF,ML,FLNUC,GRAN HALO,SOFT NUC,2F*S NEXT TO NUC,R=FG		
NGC 2936			Galaxy I?	VF,IR
Mar 29 2006 31"	17mmT4	PF,MS,OVAL,PATCH,FLNUC,COMP=2937,PAIR=MAC,R=G		
NGC 2937			Galaxy E	F,S,LIKE A NEB*
Mar 29 2006 31"	17mmT4	MF,PS,BSNUC,HISB CNTR,BM,COMP=2936,PAIR=MAC,R=F		
NGC 2983		H289-3	Galaxy SB(rs)0+	F,PS,R,BM,R,STELLAR
Feb 22 2020 36"	17mmT4	MB,ML,EL-OVAL,BLNUC,HISB,R=G		
NGC 2986		H311-2	Galaxy E2	PB,PS,IR,MBM
Mar 29 2006 31"	17mmT4	MB,ML,OVAL,BLNUC,* IN EDGE,MHISB CNTR,GMBM,PAIR=PGC27873/MAC,R=G		
NGC 2992		H277-3	Galaxy Sa pec	CF,S,R,BM,STEL,P OF2
Mar 29 2006 31"	17mmT4	PB,PL,EL,SOFT LNUC,SHISB CNTR,R=G		
NGC 2993		H278-3	Galaxy Sa pec	CF,S,R,BM,STEL,F OF2
Mar 29 2006 31"	17mmT4	MB,ML,OVAL,BSNUC,BM,R=G		

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NGC 3045		Galaxy SB(rs)ab:	VF,PS,R,LBM,SP OF 2
Feb 22 2020 36"	17mmT4	VF,ML,EL,PATCH,UB,NND,R=F	
NGC 3052		H272-3 Galaxy SAB(r)c:	F,PL,R,GLBM,NF OF 2
Feb 22 2020 36"	17mmT4	PF,PL,OVAL-R,PATCH,UB,NND,R=F	
NGC 3072		H273-3 Galaxy S0/a? sp	VF,PS,LE,GLBM
Feb 22 2020 36"	17mmT4	PB,ML,EL,FLNUC,HISB,R=G	
NGC 3078		H268-2 Galaxy E2-3	PB,S,R,MBM
Mar 29 2006 31"	17mmT4	MB,MS,OVAL,BLNUC,* OFF NUC,GMBM,HISB CNTR,R=G	
NGC 3081		H596-3 Galaxy (R)SAB(r)0/a	VF,CS,LBM,TRI S* NP
Feb 22 2020 36"	17mmT4	PB,PS,OVAL,BLNUC,HISB,R=G	
NGC 3085		Galaxy S0^: sp	VF,S,R
Mar 16 2009 31"	17mmT4	MF,PS,OVAL,L B NUC,SBM,R=F	
NGC 3091		H293-2 Galaxy E3:	PB,PS,IR,BM,P OF 2
Mar 16 2009 31"	17mmT4	PB,ML,EL,BLNUC,GMBM,HISB CNTR,CLOSE COMP OFF ONE EDGE=PGC28922,R=G	
NGC 3096		Galaxy SB(rs)0^	EF,R,LBM,F OF 2
Mar 16 2009 31"	17mmT4	MB,PS,EL,FLNUC,OTHERS PRESENT,R=F	
NGC 3109		Galaxy SB(s)m sp	CF,VL,VME82,LBM
Apr 09 2023 36"	17mmT4	VDIF,PF,EL,PATCH,PATCHY AREAS,FILLS FOV,MORE PATCHES WITH AV,MANY F*S IN GLXY,SCAN ALONG EQ,R=PF	
NGC 3127		Galaxy Sb: sp	EF,PL,ME45
Jan 29 2014 36"	17mmT4	MF,MS,EDGE ON,UB,NND,WIDE TRIO,PAIRS=3128/PGC29346,R=FG	
NGC 3128		Galaxy SB(s)b?	EF,PL,ME170,LBM
Jan 29 2014 36"	17mmT4	PF,ML,EL,UB,NND,WIDE TRIO,PAIRS=3127/PGC29346,R=F	
NGC 3145		H518-3 Galaxy SB(rs)bc	F,PL,R,VGSLBM
Mar 29 2006 31"	17mmT4	MB,PL,EL-OVAL,SOFT LNUC,GMBM,R=G	
NGC 3242		H27-4 Planetary Neb 4+3b	PLN,VB,LE147,45"D
Dec 28 2008 31"	17mmT4	VB,PL,R,HISB,CNTR*13,OUT SHELL,BTR INNER RING W/TAP SIDES,B BLUEISH,OIII HL,R=E	
Feb 12 1983 12.5"	16mm	MB,PS,R,BLUE FUZZY EDGES,UB,NO CNTR *	
Dec 03 1980 12.5"	24mm	GHOST OF JUPITER,PAIL GREENISH COLOR,GREAT!!	
NGC 3290		Galaxy SAB(rs)bc: pec	EF,S,LE0,GBM,B*N6'
Mar 26 2006 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,B* IN FOV,APPEARS EDGE ON WHEN * OUT OF FOV,R=F	
NGC 3305		Galaxy E0	VF,S,R,2ND OF 9
Mar 17 2010 31"	17mmT4	MB,ML,OVAL,BLNUC,MHISB CNTR,AGC 1060,R=G	

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NGC 3308		Galaxy SAB(s)0-:	F,S,R,4TH OF 9
Mar 17 2010 31"	17mmT4	PB,PL,OVAL-R,BLNUC,HISB,AGC 1060,R=G	
NGC 3309		Galaxy E3	B,L,R,P OF DNEB,5OF9
Mar 17 2010 31"	17mmT4	PB,PL,OVAL,BLNUC,F* OUTER EDGE,AGC 1060,R=G	
NGC 3311		Galaxy E+2	B,L,R,FOFDNEB,6THOF9
Mar 17 2010 31"	17mmT4	MB,ML,OVAL,UB,NND,AGC 1060,R=G	
NGC 3312		Galaxy SA(s)b pec?	CF,E,GBM,7TH OF 9
Mar 17 2010 31"	17mmT4	MB,ML,EL,BLNUC,AGC 1060,R=G	
NGC 3314A		Galaxy Sab: sp	8TH OF 9NEB
Mar 17 2010 31"	17mmT4	MF,ML,EL-EDGE ON,UB,NND,INTRACT=MAC,CANNOT DET,AGC 1060,R=F	
NGC 3314B		Galaxy SA(s)c:	
Mar 17 2010 31"	17mmT4	MB,VS,R,VS*NUC OR *NUC,AGC 1060,R=F	
NGC 3315		Galaxy S0-?	VF,PL,IR,GVLBM,*1'NP
Mar 17 2010 31"	17mmT4	MB,MS,OVAL,UB,NND,SHISB,AGC 1060,R=G	
NGC 3316		Galaxy SB(rs)0^:	F,S,R,BM,9TH OF 9
Mar 17 2010 31"	17mmT4	MB,ML,EL-OVAL,FLNUC,SHISB CNTR,AGC 1060,R=F	
NGC 3336		Galaxy SAB(rs)c pec	VF,PL,LE,GLBM
Mar 17 2010 31"	17mmT4	DIF,PF,VL,OVAL,UB,NND,AGC 1060,R=F	
NGC 3411	H522-3	Galaxy E+	F,S,R,LBM
Mar 21 2020 36"	17mmT4	PB,ML,R,BLNUC,GMBM,MHISB,R=G	
NGC 3585	H269-2	Galaxy E6	B,PL,E,VSMBMN,2B*TRI
Mar 29 2006 31"	17mmT4	VB,VL,OVAL,BLNUC,MHISB,GMBM,HISB CNTR,R=G	
NGC 3606		Galaxy E0:	EF,S,R,GBM
Mar 06 2010 31"	17mmT4	VB,ML,R,BLNUC,HISB,GMBM,GRAN HALO,PAIRS=3607/3605/PGC34407,R=E	
NGC 3621	H241-1	Galaxy SA(s)d	CB,VL,E160,AM4*
Feb 12 1983 12.5"	24mm	VDIF,VF,ML,3B*S SUR GLXY,SBM,KNTS SUSP,OVAL-PATCHY	
NGC 3885	H828-3	Galaxy SA(s)0/a	CF,VS,VLE,BM,VF*SF
Mar 25 2020 36"	17mmT4	MB,MS,OVAL,BLNUC,MHISB,GRAINY HALO,R=FG	
NGC 3904	H864-2	Galaxy E2-3:	PB,S,R,MBM
Mar 25 2020 36"	17mmT4	VB,ML,OVAL,VBLNUC,HISB,GRAINY MHISB HALO,R=G	
NGC 3923	H259-1	Galaxy E4-5	B,PL,LE,GMBM,R,VS*SP
Mar 25 2020 36"	17mmT4	VB,VL,OVAL,VBLNUC,HISB,F* JUST OFF NUC IN ARMS,L GRAINY HALO,R=GE	

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NGC 4087		H754-3	Galaxy SA0-:	PB,S,R,BM
Mar 25 2020 36"	17mmT4	VB,ML,R,BLNUC,HISB,GRAINY MHISB HALO,BMBM,PAIRS=7 OTHERS,R=G		
NGC 4105		H865-2	Galaxy E3	PF,PS,R,PSBM,R,P OF2
Mar 29 2006 31"	17mmT4	VB,VL,OVAL,BLNUC,GMBM,HISB,PAIR=4106,R=G		
NGC 4106		H866-2	Galaxy SB(s)0+	PF,PS,R,PGBM, F OF 2
Mar 29 2006 31"	17mmT4	VB,VL,OVAL,BLNUC,GMBM,HISB,PAIR=4105,R=G		
NGC 4590	M68		Globular	GCL,L,ERI,VC,IR,ST12
Apr 11 2015 36"	17mmT4	(Class X),VB,VL,RSLV TO CORE,MHISB CORE,*S VAR MAG SC,DENSITY OF *S DEC FROM NUC,R=E		
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
Dec 03 1980 12.5"	24mm			
NGC 4970		H765-3	Galaxy S0^:	VF,PL,IF
Mar 09 2021 36"	17mmT4	MF,MS,EL-OVAL,FLNUC,SHISB,R=F		
NGC 4993		H766-3	Galaxy (R')SAB(rs)0-:	VF,VS
Mar 09 2021 36"	17mmT4	MF,MS,R,BLNUC,SHISB,GMBM,R=F		
NGC 5061		H138-1	Galaxy E0	VB,S,R,VSMBM,*1OF
Apr 26 2006 31"	17mmT4	VB,ML,R,BLNUC,HISB,GMBM,BM,PAIR=MAC,R=E		
NGC 5078		H566-2	Galaxy SA(s)a: sp	PB,PS,CE,PSBM,*7,8F
Apr 26 2006 31"	17mmT4	PB,ML,EDGE ON,BLNUC,SHARP ENDS,CNTR BULGE,HISB CNTR,PAIR=IC879,R=G		
NGC 5085		H780-2	Galaxy SA(s)c	F,L,R,VGLBM
Apr 02 2021 36"	17mmT4	MF,VL,PATCH,NND,24 DEG ALT,PATCHY,SOME SPR STR SUSP,B* CLOSE BY,R=F		
NGC 5101		H567-2	Galaxy (R)SB(rs)0/a	CB,PS,LE,PSBM*
Mar 09 2021 36"	17mmT4	VB,PL,R,BLNUC,MHISB,HISB CNTR,GRAN HALO,21 DEG ALT,R=G		
NGC 5236	M83		Galaxy SAB(s)c	VB,VL,E55,ESBMN,SPIR
Apr 11 2015 36"	17mmT4	VB,VL,FACE ON,TIGHT WELL FORMED SNUC,BPL LIKE,S PATCH OFF ONE SIDE OF NUC,SPR ARMS,PATCHES, BKN PARTS,AWESOME,R=E		
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
NGC 5264			Galaxy IB(s)m	VF,PL,R,VLBM
Apr 12 2023 36"	17mmT4	VF,VS,R,LFNUC,HALO AROUND NUC W/AV,R=PF		
NGC 5328		H923-3	Galaxy E1:	PB,S,R,SLBM
Mar 09 2021 36"	17mmT4	MB,ML,OVAL-R,BLNUC,MHISB,R=G		
NGC 5592		H924-3	Galaxy SB(s)bc?	F,S,E,GVLBM,R
Mar 09 2021 36"	17mmT4	MB,ML,OVAL,BLNUC,SHISB,GBM,R=F		

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NGC 5694		H196-2	Globular VII	CB,CS,R,PSBM,R,*9SP
Apr 11 2015 36"	17mmT4	(Class III),PB,MS,BSNUC WITH HISB,HALO OF RSLV *S CLOSE TO NUC,19 DEG ALT,R=G		
Jun 11 1983 12.5"	20mm	MF,PS,BNUC,R,2*S SE,1*SW 1 GLXY DIA,1F* SW 2 GLXY DIA,MHISB		
PGC 23493			Galaxy C	
Mar 08 2013 36"	17mmT4	PF,PS,OVAL,NND,PAIRS=IC504/PGC,R=F		
PGC 23509			Galaxy C	
Mar 08 2013 36"	17mmT4	MF,PS,OVAL,FLNUC,PAIRS=IC504/PGC,R=F		
PGC 23518			Galaxy S	
Mar 08 2013 36"	17mmT4	VF,VS,EL,PATCH,UB,NND,PAIRS=2583/2584/2585,R=PF		
PGC 24889			Galaxy S pec:	
Mar 26 2006 31"	17mmT4	MF,ML,PATCH,UB,NND,PAIR=PGC24890,APPEAR AS ONE,V CLOSE COMP,SHISB MID,R=F		
PGC 24890			Galaxy I	
Mar 26 2006 31"	17mmT4	DIF,EF,MS,PATCH,NND,PAIR=PGC24889,APPEAR AS ONE,V CLOSE COMP,R=F		
PGC 24893			Galaxy SAB(rs)c:	
Mar 26 2006 31"	17mmT4	PF,VL,EL,PATCH,UB,NND,L NEB AREA,VB* IN GLXY,SVRL F*S IN GLXY,R=F		
PGC 25886			Galaxy SAB(rs)b: sp	
Feb 09 2013 36"	17mmT4	MB,ML,EDGE ON,FLNUC,PA~30,* OFF NUC,2F*S OFF EDGE SIDE,SHISB CNTR,R=FG		
PGC 25926			Galaxy Scd: sp	
Feb 09 2013 36"	17mmT4	VF,ML,EDGE ON,UB,NND,PA~170,V THIN SLIVER,AV AND MORE GLXY APPEARS,SOME PATCHES IN ARMS,R=F		
PGC 26925			Galaxy L	
Mar 16 2009 31"	17mmT4	DIF,EF,VS,PATCH,NND,4 GLXY IN LINE WITH A SLT BEND,NO SEPERATION,R=P		
PGC 26926			Galaxy Chain	
Mar 16 2009 31"	17mmT4	DIF,VF,PS,PATCH,NND,4 GLXY IN LINE WITH A SLT BEND,NO SEPERATION,R=P		
Dec 28 2008 31"	17mmT4	DIF,VF,PS,PATCH,UUD,OTHERS NOT DET,CANNOT BE SEP,D,CL,R=P		
PGC 26929			Galaxy E	
Mar 16 2009 31"	17mmT4	DIF,EF,VS,PATCH,NND,4 GLXY IN LINE WITH A SLT BEND,NO SEPERATION,R=P		
PGC 26931			Galaxy L	
Mar 16 2009 31"	17mmT4	DIF,EF,VS,PATCH,NND,4 GLXY IN LINE WITH A SLT BEND,NO SEPERATION,R=P		
PGC 27333			Galaxy S	
Mar 18 2007 31"	17mmT4	MB,ML,R,FLNUC,MHISB CNTR,PAIRS=MAC'S,R=F		
PGC 27508			Galaxy SB(rs)b pec sp	
Mar 29 2006 31"	17mmT4	VF,PS,EL-EDGE ON,UB,NND,COMP=PGC27513,E HICKSON GRP,R=P		

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PGC 27509		Galaxy E
Mar 29 2006 31"	17mmT4	MF,MS,OVAL,BLNUC,MHISB CNTR,E HICKSON GRP,R=F
PGC 27513		Galaxy SA(r)0-: pec
Mar 29 2006 31"	17mmT4	MF,PS,R,FLNUC,ATTACHED TO PGC27508,E HICKSON GRP,R=F
PGC 27515		Galaxy SAB(s)a pec:
Mar 29 2006 31"	17mmT4	EDIF,EF,ES,AV,SUSP,E HICKSON GRP,R=P
PGC 27516		Galaxy SB(s)0/a pec:
Mar 29 2006 31"	17mmT4	PF,PS,OVAL,BSNUC,F* IN EDGE,E HICKSON GRP,R=F
PGC 27603		Galaxy
Jan 29 2014 36"	17mmT4	EF,ES,PATCH,AV FIRST THEN HOLDS,R=P
PGC 27873		Galaxy Sa
Mar 29 2006 31"	17mmT4	VF,PS,EL,VFLNUC,VF* OFF EDGE,PAIR=2986/MAC,R=F
PGC 27928		Galaxy SBb pec?
Mar 29 2006 31"	17mmT4	EF,SUSP,PAIR=PGC27929,R=P
PGC 27929		Galaxy S
Mar 29 2006 31"	17mmT4	EF,SUSP,PAIR=PGC27928,R=P
PGC 28922		Galaxy E?
Mar 16 2009 31"	17mmT4	MB,MS,BLNUC,CLOSE COMP OFF EDGE=NGC3091,BM,R=F
PGC 28926		Galaxy S0?
Mar 16 2009 31"	17mmT4	VF,PS,OVAL,PATCH,NND,OTHERS PRESENT,R=P
PGC 29346		Galaxy SBc? sp
Jan 29 2014 36"	17mmT4	VF,MS,EDGE ON,UB,NND,WIDE TRIO,PAIRS=3127/3126,R=P
PGC 31418		Galaxy
Mar 17 2010 31"	17mmT4	VF,VS,PATCH,AGC 1060,R=P
PGC 31441		Galaxy
Mar 17 2010 31"	17mmT4	PF,PS,PATCH,NNDAGC 1060,R=P
PGC 31443		Galaxy SB(r)0^:
Mar 17 2010 31"	17mmT4	MF,MS,EL,FLNUC,AGC 1060,R=F
PGC 31447		Galaxy
Mar 17 2010 31"	17mmT4	MF,MS,EL,FLNUC,AGC 1060,R=F
PGC 31450		Galaxy
Mar 17 2010 31"	17mmT4	VF,PS,PATCH,UB,NND,AGC 1060,R=P

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PGC 31453		Galaxy
Mar 17 2010 31"	17mmT4	VF,MS,OVAL,PATCH,UB,ON TOP OF PGC31454,CANNOT DETERMINE WHICH IS WHICH,AGC 1060,R=P
PGC 31454		Galaxy
Mar 17 2010 31"	17mmT4	VF,MS,OVAL,PATCH,UB,ON TOP OF PGC31453,CANNOT DETERMINE WHICH IS WHICH,AGC 1060,R=P
PGC 31456		Galaxy S0?
Mar 17 2010 31"	17mmT4	MF,PS,EL-OVAL,BLNUC,AGC 1060,R=F
PGC 31462		Galaxy E?
Mar 17 2010 31"	17mmT4	MF,PS,OVAL,UB,NND,AGC 1060,R=F
PGC 31464		Galaxy
Mar 17 2010 31"	17mmT4	VF,MS,AGC 1060,R=P
Mar 17 2010 31"	17mmT4	VF,PS,PATCH,AGC 1060,R=P
PGC 31476		Galaxy S0- sp
Mar 17 2010 31"	17mmT4	MB,MS,OVAL,PATCH,UB,NND,AGC 1060,R=F
PGC 31483		Galaxy
Mar 17 2010 31"	17mmT4	MB,PS,VFSNUC,AGC 1060,R=F
PGC 31488		Galaxy S0?
Mar 17 2010 31"	17mmT4	MF,MS,OVAL,FLNUC,CLOSE COMP=PGC31495,SHISB CNTR,NICE PAIR,AGC 1060,R=FG
PGC 31494		Galaxy SB?
Mar 17 2010 31"	17mmT4	EF,PS,PATC,AV FIRST THEN HOLDS,AGC 1060,R=P
PGC 31495		Galaxy S0?
Mar 17 2010 31"	17mmT4	MF,MS,OVAL,FLNUC,CLOSE COMP=GPC31488,SHISB CNTR,NICE PAIR,AGC 1060,R=FG
PGC 31504		Galaxy SB(s)0^: sp
Mar 17 2010 31"	17mmT4	MF,MS,EL-OVAL,BLNUC,GRAD BM,MHISB CNTR,AGC 1060,R=F
PGC 31517		Galaxy
Mar 17 2010 31"	17mmT4	MF,MS,OVAL,UB,NND,AGC 1060,R=F
PGC 31523		Galaxy
Mar 17 2010 31"	17mmT4	VF,PS,OVAL,UB,NND,AGC 1060,R=P
PGC 31542		Galaxy S0?
Mar 17 2010 31"	17mmT4	PF,PS,OVAL,UB,NND,AGC 1060,R=F
PGC 31550		Galaxy
Mar 17 2010 31"	17mmT4	EF,VS,PATCH,AV HOLDS,AGC 1060,R=P

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PGC 31569		Galaxy L
Mar 17 2010 31"	17mmT4	VF,MS,PATCH,KEEP B* OUT OF FOV,AGC 1060,R=P
PGC 31577		Galaxy S?
Mar 17 2010 31"	17mmT4	PF,MS,EL-EDGE ON,FLNUC,HICKSON 48C,AGC 1060,R=F
Mar 16 2009 31"	17mmT4	PF,PS,EL,SB NUC,OTHERS PRESENT,R=F
PGC 31580		Galaxy S
Mar 17 2010 31"	17mmT4	EF,VS,PATCH,HICKSON 48D,AV ONLY ONCE,AGC 1060,R=P
Mar 16 2009 31"	17mmT4	VDIF,EF,VS,PATCH,HARD TO HOLD WITH AV,OTHERS PRESENT,R=P
PGC 31588		Galaxy S?
Mar 17 2010 31"	17mmT4	MF,ML,OVAL,PATCH,UB,NND,HICKSON 48B,AGC 1060,R=F
Mar 16 2009 31"	17mmT4	MF,MS,OVAL,LF NUC,OTHERS PRESENT,R=F
PGC 31593		Galaxy SB?
Mar 17 2010 31"	17mmT4	MF,MS,OVAL,FSNUC,AGC 1060,R=F
PGC 31616		Galaxy S0?
Mar 17 2010 31"	17mmT4	MF,MS,R,FLNUC,SHISB CNTR,AGC 1060,R=F
PGC 31626		Galaxy SBbc: sp
Mar 17 2010 31"	17mmT4	EF,MS,EL-EDGE ON,UB,NND,TOOK AV A WHILE,AGC 1060,R=P
PGC 31638		Galaxy SB(s)d: pec
Mar 17 2010 31"	17mmT4	MF,ML,EL-OVAL,NND,F* IN EDGE,SHISB,AGC 1060,R=F
PGC 31642		Galaxy S?
Mar 17 2010 31"	17mmT4	PF,MS,EL,UB,NND,AGC 1060,R=F
PGC 31646		Galaxy S0?
Mar 17 2010 31"	17mmT4	EF,PS,PATCH,AV FIRST,AGC 1060,R=P
PGC 31659		Galaxy S0?
Mar 17 2010 31"	17mmT4	PF,MS,EL,UB,NND,AGC 1060,R=P
PGC 31683		Galaxy S?
Mar 17 2010 31"	17mmT4	MF,MS,EL,UB,NND,AGC 1060,R=F
PGC 31692		Galaxy SB(rs)bc pec:
Mar 17 2010 31"	17mmT4	VF,PS,UB,NND,AGC 1060,R=P
PGC 31805		Galaxy SA(s)c:
Mar 17 2010 31"	17mmT4	DIF,PF,VL,EL-OVAL,UB,NND,AGC 1060,R=F
PGC 32550		Galaxy SB(s)cd:
Jan 29 2014 36"	17mmT4	VF,PL,EDGE ON,PA~145,NND,THIN SLIVER,UNIFORM THICKNESS,R=P

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PGC 39768		Galaxy Sbc: sp
May 31 2014 36"	17mmT4	EF,VS,EDGE ON,NND,PA~0,AV ONLY,COMES AND GOES,R=P
PGC 43021		Galaxy Sbc: sp
May 31 2014 36"	17mmT4	EF,PS,EDGE ON,NND,PA~120,TAPERED,AV FIRST THEN HOLDS,14 DEG ABOVE HORZ,R=P
PGC 46309		Galaxy S
Apr 26 2006 31"	17mmT4	EF,VS,PATCH,SUSP,PAIR=5061,R=P
PGC 47397		Galaxy S0?
Apr 16 2009 31"	17mmT4	MB,ML,OVAL,PATCH,UB,NND,PAIR=PGC'S,R=F
PGC 47398		Galaxy
Apr 16 2009 31"	17mmT4	VF,PS,ELOGN,UB,NND,AGC 3559,R=P
PGC 47401		Galaxy E?
Apr 16 2009 31"	17mmT4	EF,ES,SUSP,PART OF PGC47397,CANNOT DETECT,R=P
PGC 47403		Galaxy S?
Apr 16 2009 31"	17mmT4	VF,PS,PATCH,NND,TRI CLOSE PAIR,CAN JUST BARELY SPLIT THE TRI,R=P
PGC 47406		Galaxy S0?
Apr 16 2009 31"	17mmT4	VF,PS,PATCH,NND,TRI CLOSE PAIR,CAN JUST BARELY SPLIT THE TRI,R=P
PGC 47407		Galaxy E
Apr 16 2009 31"	17mmT4	VF,PS,BSNUC,* IN GLXY,SN?,TRI CLOSE PAIR,CAN JUST BARELY SPLIT THE TRI,R=P
PGC 52411		Galaxy Sb sp
May 30 2014 36"	17mmT4	VF,MS,EDGE ON,NND,PA~110,* IN OUTER EDGE,AV FIRST THEN HOLDS,R=P

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IC 2467		Galaxy S
Dec 20 2003 31"	17mmT4	MF,MS,OVAL,PATCH,BSNUC,SHISB CNTR,R=F
IC 2468		Galaxy S
Dec 20 2003 31"	17mmT4	PF,MS,OVAL,PATCH,NND,R=F
IC 2491		Galaxy S0?
Dec 20 2003 31"	17mmT4	MF,MS,PATCH,FLNUC,SBM,R=F
IC 2493		Galaxy S0
Dec 20 2003 31"	17mmT4	MF,MS,OVAL,PATCH,FLNUC,SBM,R=F
IC 2496		Galaxy
Dec 20 2003 31"	17mmT4	MF,MS,OVAL,FLNUC,R=F
IC 2500		Galaxy Sab
Dec 20 2003 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,R=F
IC 2508		Galaxy
Dec 20 2003 31"	17mmT4	MF,MS,OVAL,PATCH,FSNUC,R=F
IC 2515		Galaxy Sb
Dec 20 2003 31"	17mmT4	MF,MS,EL,FSNUC,R=F
IC 2516		Galaxy S0/a
Dec 20 2003 31"	17mmT4	MF,MS,OVAL,PATCH,FSNUC,R=F
IC 2518		Galaxy C
Dec 20 2003 31"	17mmT4	MF,MS,OVAL,PATCH,FSNUC,PAIR=MAC,R=F
IC 2519		Galaxy C
Dec 20 2003 31"	17mmT4	MF,PS,PATCH,UB,NND,R=F
IC 2521		Galaxy Spiral
Dec 26 2003 31"	17mmT4	DIF,PF,MS,PATCH,UB,NND,R=P
IC 2524		Galaxy S?
Dec 26 2003 31"	17mmT4	PF,MS,EL,PATCH,BSNUC,R=F
IC 2525		Galaxy C
Dec 26 2003 31"	17mmT4	PF,MS,R,*NUC,R=F
IC 2527		Galaxy
Dec 26 2003 31"	17mmT4	MF,MS,PATCH,FSNUC,R=F
IC 2530		Galaxy S?
Dec 26 2003 31"	17mmT4	MF,MS,R,FLNUC,PAIR=PGC29034,R=F

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IC	2535		Galaxy S?
Dec 26 2003	31"	17mmT4	MF,PS,FLNUC,* NUC OR VF* IN CNTER,R=F
IC	2540		Galaxy E?
Dec 26 2003	31"	17mmT4	PF,PS,PATCH,FSNUC,R=F
IC	2542		Galaxy Sb
Dec 26 2003	31"	17mmT4	MF,ML,PATCH,UB,LNUC AREA SUSP,R=F
IC	2543		Galaxy
Dec 26 2003	31"	17mmT4	PF,MS,OVAL,PATCH,FSNUC,R=F
IC	2544		Galaxy S
Dec 26 2003	31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,R=F
IC	2547		Galaxy
Dec 26 2003	31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=IC2549,R=P
IC	2549		Galaxy S
Dec 26 2003	31"	17mmT4	DIF,VF,VS,PATCH,UB,NND,PAIR=IC2547,R=P
IC	2550		Galaxy SAB(rs)b:
Jan 24 2004	31"	17mmT4	MF,MS,PATCH,UB,NND,SHISB,BET 2 *S,R=F
IC	2557		Galaxy S
Dec 26 2003	31"	17mmT4	VDIF,PF,PS,PATCH,UB,NND,R=P
IC	2561		Galaxy S?
Jan 24 2004	31"	17mmT4	MV,MS,OVAL,PATCH,UB,NND,SHISB,PAIR=PGC30148,R=F
IC	2565		Galaxy (R)SAB(r)a
Jan 24 2004	31"	17mmT4	MF,MS,R,FSNUC,R=F
IC	2566		Galaxy S?
Jan 24 2004	31"	17mmT4	MF,MS,EL,FSNUC,ALM *NUC,PAIR=IC2568,R=F
IC	2568		Galaxy SBa
Jan 24 2004	31"	17mmT4	MF,MS,EL,FSNUC,ALM *NUC,PAIR=IC2566,R=F
IC	2572		Galaxy Sa
Jan 24 2004	31"	17mmT4	DIF,VF,PS,OVAL,PATCH,FSNUC,PAIR=3235,R=F
IC	2577		Galaxy Sa
Jan 24 2004	31"	17mmT4	DIF,PF,MS,EL,PATCH,UB,NND,R=F
IC	2591		Galaxy S?
Jan 24 2004	31"	17mmT4	PF,MS,EL,PATCH,UB,NND,R=F

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IC	2598		Galaxy Sa
	Feb 15 2004	31" 17mmT4	MF,MS,OVAL,PATCH,UB,NND,R=F
IC	2604		Galaxy SB(s)m pec?
	Jan 08 2003	12.5" 9mmT6	DIF,PF,PS,OVAL,PATCH,UB,NND
IC	2606		Galaxy S?
	Feb 15 2004	31" 17mmT4	MF,MS,EL,BSNUC,*NUC,PAIRS=IC2607/MAC,R=F
IC	2607		Galaxy SBab
	Feb 15 2004	31" 17mmT4	PF,MS,EL,PATCH,UB,NND,PAIRS=IC2606/MAC,R=P
IC	2608		Galaxy S
	Jan 08 2003	12.5" 9mmT6	VDIF,VF,VS,R,PATCH,*NUC OR EF* IN GLXY SUSP
IC	2612		Galaxy E
	Feb 15 2004	31" 17mmT4	MF,MS,OVAL,FSNUC,R=F
MAC	0949+3443		Galaxy
	Dec 20 2003	31" 17mmT4	PF,PS,PATCH,UB,NND,PAIR=3012,R=P
MAC	0955+3712		Galaxy
	Dec 20 2003	31" 17mmT4	VF,ES,NND,ALM *,PAIR=IC2518,R=P
MAC	1000+3529		Galaxy
	Dec 26 2003	31" 17mmT4	VF,PS,PATCH,NND,R=P
MAC	1002+3242		Galaxy
	Dec 26 2003	31" 17mmT4	DFI,EF,PS,PATC,NND,PAIR=3099 AND OTHERS,R=P
MAC	1013+3836		Galaxy
	Dec 26 2003	31" 17mmT4	VF,ES,PATCH,UB,NND,VF* IN GLXY,ALM *,R=P
MAC	1013+3844		Galaxy
	Dec 26 2003	31" 17mmT4	VF,VS,PATCH,UB,NND,R=P
MAC	1021+3627		Galaxy
	Jan 24 2004	31" 17mmT4	DIF,VF,VS,PATCH,UB,NND,R=P
MAC	1022+3830		Galaxy
	Mar 20 2007	31" 17mmT4	PF,MS,PATCH,UB,NND,COMP=PGC30348,JUST BARELY SPLIT,R=F
	Jan 24 2004	31" 17mmT4	VDIF,VF,VS,PATCH,UB,NND,R=P
MAC	1022+3834		Galaxy
	Mar 20 2007	31" 17mmT4	VDIF,EF,VS,PATCH,AV,COMP=MAC,APPEAR AS ONE,CANNOT SEP,R=P
	Jan 24 2004	31" 17mmT4	EDIF,SUSP,LOC GOOD,PAIRS=3219 AND OTHERS,R=P

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MAC 1022+3835		Galaxy	
Mar 20 2007 31"	17mmT4	VDIF,EF,VS,PATCH,AV,COMP=MAC,APPEAR AS ONE,CANNOT SEP,R=P	
Jan 24 2004 31"	17mmT4	EDIF,SUSP,LOC GOOD,PAIRS=3219 AND OTHERS,R=P	
MAC 1041+3715		Galaxy	
Feb 15 2004 31"	17mmT4	EF,VS,PATCH,AV,PAIR=3334,R=P	
MAC 1044+3039		Galaxy	
Feb 15 2004 31"	17mmT4	VF,PS,PATCH,UB,NND,PAIR=3350,R=P	
MAC 1049+3802		Galaxy	
Feb 15 2004 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,VF* ON EDGE,PAIRS=IC2606/IC2607,R=P	
MAC 1050+2831		Galaxy	
Feb 15 2004 31"	17mmT4	VDIF,EF,VS,PATCH,UB,NND,PAIR=3400,R=P	
MAC 1051+2800		Galaxy	
Feb 15 2004 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=3414/3418,R=P	
MAC 1052+3005		Galaxy	
Apr 09 2008 31"	17mmT4	EF,ES,PATCH,R=P	
MAC 1052+3636		Galaxy	
Apr 09 2008 31"	17mmT4	EFID,EF,ES,PATCH,AV ONCE,DOES NOT HOLD,SUSP,PAIRS=3432/PGC32617,R=P	
MAC 1053+3250B		Galaxy	
Feb 15 2004 31"	17mmT4	VDIF,EF,VS,PATCH,PAIR=MAC,R=P	
MAC 1054+3251		Galaxy	
Feb 15 2004 31"	17mmT4	VDIF,EF,VS,PATCH,PAIR=MAC,R=P	
MAC 1103+2854		Galaxy	
Feb 15 2004 31"	17mmT4	VDIF,EF,ES,PATCH,UB,NND,R=P	
MAC 1105+2958		Galaxy	
Apr 09 2008 31"	17mmT4	VF,PS,ATCH,UB,NND,PAIRS=PGC'S/MAC'S,R=P	
MAC 1105+3004		Galaxy	
Apr 09 2008 31"	17mmT4	VF,VS,OVAL,*NUC OR VF* IN GLXY,PAIRS=PGC'S/MAC'S,R=P	
NGC 2859		H137-1	Galaxy (R)SB(r)0+ VB,PL,R,SMBM
Feb 25 1984 12.5"	16mm	MB,ML,BNUC,DIM HALO,STELL BNUC,R,GMBM,F*NE SVRL GLXY DIA	
Dec 03 1980 12.5"	24mm		
NGC 2922		Galaxy Im?	VF,S,IR,LBM,R
Dec 20 2003 31"	17mmT4	MF,PL,EDGE ON,PATCH,UB,NND,R=G	

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NGC 2942		Galaxy SA(s)c:	F,PL,VLE0,VGLBM
Feb 25 1982 12.5"	16mm	EDIF,VF,MS,F*SW EDGE,B*NE 1 GLXY DIA,NND,PATCHY-OVAL,B*SW	
NGC 2955		H541-3 Galaxy (R')SA(r)b	CF,PS,IR,GLBM,R
Dec 20 2003 31"	17mmT4	MF,MS,OVAL,BLNUC,F* BOTH SIDES,MHISB CNTR,R=G	
NGC 2965		H751-3 Galaxy S0	EF,VS,R,BM,R
Dec 20 2003 31"	17mmT4	MF,MS,OVAL,BLNUC,SHISB,R=G	
NGC 2971		Galaxy SB(r)b	EF,PS,IR,VLBM
Dec 20 2003 31"	17mmT4	DIF,PF,MS,OVAL,PATCH,UB,NND,R=F	
NGC 3003		H26-5 Galaxy Sbc?	CB,L,VME90
Dec 20 2003 31"	17mmT4	PB,VL,EDGE ON,UB,NND,R=E	
Feb 25 1982 12.5"	16mm	VDIF,MF,PL,EDGE ON,CIGAR SHAPE,NND,UB,BTR IN 24MM,PAIR/3021	
Dec 03 1980 12.5"	24mm		
NGC 3012		Galaxy E:	VF,PL,R,COM
Dec 20 2003 31"	17mmT4	MF,MS,OVAL,BSNUC,MHISB CNTR,PAIR=MAC,R=F	
NGC 3013		Galaxy S	PF,PS,R,BM,3021 F
Dec 20 2003 31"	17mmT4	MF,MS,OVAL,FSNUC,ALM *NUC,R=G	
NGC 3021		H115-1 Galaxy SA(rs)bc:	PB,PS,VLE,MBM,*10SP
Dec 20 2003 31"	17mmT4	PB,ML,EL,BLNUC,SHISB,F* ON EDGE,HISB CNTR,R=F	
Feb 25 1982 12.5"	16mm	MF,PS,B* OFF E SIDE,HISB,*NUC SUSP,R,PAIR/3003	
Dec 03 1980 12.5"	24mm		
NGC 3074		H542-3 Galaxy SAB(rs)c	VF,PL,IR,VGVLBM
Dec 26 2003 31"	17mmT4	VDIF,VF,VL,PATCH,UB,NND,R=F	
NGC 3099		H478-3 Galaxy S	EF,S
Dec 26 2003 31"	17mmT4	VF,PS,PATCH,UB,NND,PAIR WITH OTHERS,R=P	
NGC 3104		H48-4 Galaxy IAB(s)m	EF,PL,E,VF* INV
Dec 26 2003 31"	17mmT4	VDIF,VF,ML,OVAL,PATCH,UB,F* IN GLXY,R=P	
NGC 3106		H320-2 Galaxy S0	F,S,R,SBM
Dec 26 2003 31"	17mmT4	MF,MS,R,BSNUC,GMBM,R=F	
NGC 3116		Galaxy E	NEB*13M
Dec 26 2003 31"	17mmT4	PF,PS,FSNUC,SBM,R=F	
NGC 3118		Galaxy Sbc	S GRP OFVF*INVF NEB
Dec 26 2003 31"	17mmT4	PF,ML,EDGE ON,UB,NND,L CNTR BULGE,R=G	
NGC 3126		Galaxy Sb	F,S,LE,N=*15

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NGC 3126		Galaxy Sb	F,S,LE,N=*15
Dec 26 2003 31"	17mmT4	MF,ML,EDGE ON,BSNUC,CNTR BULGE,DUST SUSP,R=G	
NGC 3150		Galaxy Sb	VF,S
Dec 26 2003 31"	17mmT4	DIF,PF,MS,OVAL,PATCH,UB,NND,R=F	
NGC 3151		Galaxy SA0:	VF,VS
Dec 26 2003 31"	17mmT4	MF,MS,FSNUC,R=F	
NGC 3152		Galaxy (R')SB0^:	EF,VS,IR,EF*CLOSE SP
Dec 26 2003 31"	17mmT4	MF,MS,OVAL,FSNUC,R=F	
NGC 3158		H639-2 Galaxy E3:	CB,CS,R,PSBM,R
Dec 26 2003 31"	17mmT4	MF,ML,R,BLNUC,MHISB CNTR,R=G	
Feb 25 1982 12.5"	16mm	MF,MS,BNUC,BET 3*S SAME MAG,R,SBM,NUC DET,1 OF 5 COMP	
NGC 3159		Galaxy E2 pec:	VF,VS,STELLAR
Dec 26 2003 31"	17mmT4	MF,ML,BSNUC,SBM,MHISB CNTR,R=G	
Feb 25 1982 12.5"	16mm	EDIF,EF,VS,F*SW,R,*NUC,BARELY DET IN 16MM,2 OF 5 COMP	
NGC 3160		Galaxy S	VF,VS,LE
Dec 26 2003 31"	17mmT4	PF,ML,EDGE ON,PATCH,UB,CNTR BULGE,R=F	
Feb 25 1982 12.5"	16mm	EEDIF,EEF,PS,EL,NND,COMES AND GOES WITH AV,3 OF 5 COMP	
NGC 3161		Galaxy E2	VF,VS
Dec 26 2003 31"	17mmT4	MF,ML,BSNUC,SBM,MHISB CNTR,R=G	
Feb 25 1982 12.5"	16mm	EDIF,EEF,EES,BET 3159 AND 3163,AV,4 OF 5 COMP	
NGC 3163		H640-2 Galaxy SA0-:	F,S,R,GBM
Dec 26 2003 31"	17mmT4	MF,PL,FSNUC,SBM,MHISB CNTR,R=G	
Feb 25 1982 12.5"	16mm	DIF,VF,VS,FNUC,R,GMBM,5 OF 5 COMP	
NGC 3219		Galaxy E	EF,S,R,LBM
Mar 20 2007 31"	17mmT4	MF,MS,OVAL,FLNUC,V CLOSE COMP=PGC30385,R=F	
Jan 24 2004 31"	17mmT4	DIF,MF,MS,PATCH,UB,NND,PAIRS=PGC30365 AND MAC'S,R=F	
NGC 3232		Galaxy S?	EF,*11P150",P OF 2
Jan 24 2004 31"	17mmT4	DIF,PF,PS,PATCH,UB,NND,R=F	
NGC 3235		Galaxy S0-:	F,S,F OF 2
Jan 24 2004 31"	17mmT4	MF,MS,OVAL,PATCH,FLNUC,SBM,PAIR=IC2572,R=F	
NGC 3245		H86-1 Galaxy SA(r)0^?:	VB,PL,E0, SMBMEN
Feb 21 2020 36"	17mmT4	PB,ML,EL,BSNUC,HISB,GRAN HALO,R=G,TIME 11:52PM	
Jan 24 2004 31"	17mmT4	VB,VL,OVAL,BLNUC,MHISB,GMBM,PAIR=3245A,R=E	
Feb 25 1982 12.5"	16mm	MB,MS,BNUC,TAPERED,NUC DET,HISB TOWARDS CNTR	
Dec 03 1980 12.5"	24mm		

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NGC 3245A		Galaxy SB(s)b sp	
Feb 21 2020 36"	17mmT4	PF,MS,EDGE ON,UB,NND,R=P	
Jan 24 2004 31"	17mmT4	VDIF,EF,VL,EDGE ON,UB,NND,ONLY CNTR RGN DET,PAIR=3245,R=P	
NGC 3254		H72-1	Galaxy SA(s)bc
Feb 25 1982 12.5"	16mm	DIF,MB,PL,EL,BNUC,F*SW SVRL GLXY DIA,GMBM,TAPERED,KNTY STR SUSP,DIF HALO	CB,L,ME45,PSMBMN
Dec 03 1980 12.5"	24mm		
NGC 3265		H349-3	Galaxy E:
Feb 21 2020 36"	17mmT4	MB,MS,OVAL,BLNUC,MHISB,F* OFF EDGE,R=F TIME 12:04AM	PF,S,R,PSBM,*SF
Feb 25 1982 12.5"	16mm	VDIF,VF,ES,FNUC,ALM STELL,*NUC DET,R	
NGC 3272		Galaxy	F,VS,IR,3277 NF
Jan 24 2004 31"	17mmT4	VDIF,VF,PS,PATCH,UB,NND,R=P	
NGC 3277		H359-2	Galaxy SA(r)ab
Feb 21 2020 36"	17mmT4	MB,MS,OVAL-R,BNUC,MHISB,R=G,TIME 12:10AM	CB,CS,R,PGMBM
Feb 25 1982 12.5"	16mm	DIF,MF,MS,FNUC,SBM,R	
Dec 03 1980 12.5"	24mm		
NGC 3294		H164-1	Galaxy SA(s)c
Feb 15 2004 31"	17mmT4	VB,EL-OVAL,PATCH,UB,NND,PATCHY AREAS DET,KNOTS AND DUST DET,R=E	CB,L,ME135,GLBM
Jan 24 2004 31"	17mmT4	VB,VL,EL-EDGE ON,PATCH,UB,NND,R=G	
Oct 22 1982 12.5"	16mm	DIF,MF,ML,EL,UB,SLT EL,NND	
Dec 03 1980 12.5"	24mm		
NGC 3304		H615-3	Galaxy SB(s)a?
Jan 24 2004 31"	17mmT4	MF,MS,EL,FLNUC,GBM,R=F	VF,CS,PSBM,ER
NGC 3323		Galaxy SB?	VF,VS,R,LBM
Jan 24 2004 31"	17mmT4	MF,MS,OVAL,PATCH,FLNUC,SIGHTLY HISB,SBM,R=F	
NGC 3327		H348-2	Galaxy SA(r)b:
Feb 15 2004 31"	17mmT4	PB,ML,R,BLNUC,SHISB,B* OFF ONE SIDE,R=G	VF,S,R,GBM,VS*ATT
NGC 3334		H641-2	Galaxy S0?
Feb 15 2004 31"	17mmT4	MB,PL,R,BLNUC,MHISB,GMBM,PAIR=MAC,R=G	CF,VS,R,BM
NGC 3344		H81-1	Galaxy (R)SAB(r)bc
Dec 03 1980 12.5"	24mm	BNUC,2F*S ON EDGE	CB,L,GBM,*INV,2ST F
NGC 3350		Galaxy S0	EF,VS,2*9,10S
Feb 15 2004 31"	17mmT4	PF,MS,OVAL,FSNUC,PAIR=MAC,R=F	
NGC 3380		H360-2	Galaxy (R')SBa?
Feb 21 2020 36"	17mmT4	MF,MS,OVAL,FNUC,R=F,TIME 12:16AM	PB,PS,R,SBM
Feb 15 2004 31"	17mmT4	PB,ML,EL,BSNUC,SHISB CNTR,R=F	

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NGC 3381		H565-2	Galaxy SB pec	PF,CL,IR,VGLBM,1ST-3
Feb 15 2004 31"	17mmT4	DIF,MF,VL,OVAL,PATCH,UB,NND,R=G		
NGC 3395		H116-1	Galaxy SAB(rs)cd pec:	CB,PS,ILE,1ST OF 2
Feb 15 2004 31"	17mmT4	VB,VL,OVAL,BLNUC,HISB,GMBM,INTRACT 3396,R=E		
Jan 08 2003 12.5"	9mmT6	MB,PL,BNUC,OVAL,BSNUC,HISB,COMP=3396		
Oct 22 1982 12.5"	24mm	DIF,VF,MS,EL2 PARTS OR INTRACT GLXY,N PART *NUC OR *		
Dec 03 1980 12.5"	24mm	PAIR/3396		
NGC 3396		H117-1	Galaxy IBm pec	PB,PS,ILE,2ND OF 2
Feb 15 2004 31"	17mmT4	VB,VL,EL,BLNUC,HISB,GMBM,INTRACT 3395,R=E		
Jan 08 2003 12.5"	9mmT6	MB,PL,OVAL,HISB,NND,UB,COMP=3395		
Dec 03 1980 12.5"	24mm	PAIR/3395		
NGC 3400		H361-2	Galaxy SB(s)a:	PF,S,R,BM
Feb 21 2020 36"	17mmT4	MF,ML,EL,FLNUC,R=F,TIME 12:18AM		
Feb 15 2004 31"	17mmT4	MF,MS,EL,BSNUC,GMBM,PAIR=MAC,R=F		
NGC 3413		H493-2	Galaxy S0 sp	F,S
Jan 08 2003 12.5"	9mmT6	PB,MS,BNUC,R,SLT HISB,PAIR/3430/3424		
NGC 3414		H362-2	Galaxy S0 pec	B,PL,R,MBM
Feb 21 2020 36"	17mmT4	MB,ML,OVAL,BLNUC,GRAN HALO SUR NUC,R=G,TIME12:21AM		
Feb 15 2004 31"	17mmT4	VB,VL,EL,BLNUC,HISB,PAIRS=3418/MAC,R=E		
Oct 22 1982 12.5"	16mm	MF,MS,BS*NUC,R,SBM		
Dec 03 1980 12.5"	24mm			
NGC 3418		H363-2	Galaxy SAB(s)0/a:	CF,S,R,BM
Feb 21 2020 36"	17mmT4	MF,MS,EL,PATCH,FSNUC,R=FG,TIME 12:23AM		
Feb 15 2004 31"	17mmT4	MB,MS,EL-OVAL,BSNUC,GBM,PAIRS=3414/MAC,R=F		
NGC 3424		H494-2	Galaxy SB(s)b:?	PF,PL,LE,SP OF 3
Jan 08 2003 12.5"	9mmT6	PB,ML,EDGE ON,STR SUSP,DUST,F* IN EDGE,HISP,PAIR/3430/3413		
NGC 3430		H118-1	Galaxy SAB(rs)c	PB,L,IE,GBM,2ND OF 3
Jan 08 2003 12.5"	9mmT6	PB,PL,OVAL,HISB,UB,NND,PAIR/3424/3413		
NGC 3432		H172-1	Galaxy SB(s)m sp	PB,PL,VME40,**NR SP
Apr 09 2008 31"	17mmT4	VB,VL,EDGE ON,UB,NND,HISB,2F*S A TIP,2F*S BOTH SIDES,SLT BOWED,OTHERS,R=E		
Oct 22 1982 12.5"	12mm	SAME,2*S AT S TIP		
Oct 22 1982 12.5"	16mm	DIF,MF,MS,EL,UB,2*S AT BOTH ENDS		
Dec 03 1980 12.5"	24mm			
NGC 3442			Galaxy Sa?	F,VS,R,MBM,(R)
Feb 15 2004 31"	17mmT4	PB,MS,R,BVLNUC,HISB,LOOKS LIKE L PLANETARY NEB,THIN HALO ARMS,R=G		
NGC 3451		H364-2	Galaxy Sd	F,PL,VLE,VLBM

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NGC 3451		H364-2	Galaxy Sd	F,PL,VLE,VLBM
Feb 21 2020 36"	17mmT4	MF,ML,EL,PATCH,UB,NND,R=F,TIME 12:20AM		
Feb 15 2004 31"	17mmT4	MB,ML,OVAL,UB,NND,SHISB,R=F		
NGC 3486		H87-1	Galaxy SAB(r)c	CB,CL,R,GMBM
Feb 21 2020 36"	17mmT4	MF,ML,OVAL,FSNUC,R=FG,TIME 12:28AM		
Oct 22 1982 12.5"	24mm	MF,MS,VDIF,PATCH,SBM		
Dec 03 1980 12.5"	24mm			
NGC 3493			Galaxy S?	VF,R,BM,*SP
Feb 15 2004 31"	17mmT4	MB,MS,EL,UB,NND,R=F		
NGC 3504		H88-1	Galaxy (R)SAB(s)ab	B,L,E,MBMN,RR,P OF 2
Feb 21 2020 36"	17mmT4	MB,ML,OVAL,BSNUC,L GRAN ARMS,F* IN ARMS,R=G,TIME 12:31AM		
Oct 22 1982 12.5"	16mm	MB,MS,DNUC,LOC IN BARREN AREA,OVAL,SBM		
Dec 03 1980 12.5"	24mm			
NGC 3510		H365-2	Galaxy SB(s)m sp	F,L,CE,*7NF8'
Feb 21 2020 36"	17mmT4	PF,ML,EDGE ON,UB,NND,CIGAR SHAPE,SOME NUC BULGING,R=RG,TIME 12:34AM		
Feb 15 2004 31"	17mmT4	MB,PL,EDGE ON,UB,NND,CNTR BULGE,TAPERED,UB NUC,R=G		
NGC 3512		H366-2	Galaxy SAB(rs)c	F,PS,R,PGBM,F OF 2
Feb 21 2020 36"	17mmT4	MB,ML,OVAL,VFLNUC,R=FG,TIME 12:37AM		
Dec 03 1980 12.5"	24mm			
NGC 3515			Galaxy SAc:	VF,S,R,SEV EF* INV
Feb 15 2004 31"	17mmT4	MF,MS,OVAL,PATCH,NND,R=F		
PAL 15			Globular	
Jun 25 2019 36"	17mmT4	(Class ?),LOC E,JUST A FEW F*S WHERE OBJ IS LOC,R=P		
PGC 26704			Galaxy SBb	
Dec 20 2003 31"	17mmT4	DIF,VF,VS,PATCH,UB,NND,R=P		
PGC 29034			Galaxy Sm	
Dec 26 2003 31"	17mmT4	PF,MS,EL,PATCH,UB,PAIR=IC2530,R=P		
PGC 29088			Galaxy	
Dec 26 2003 31"	17mmT4	PF,MS,FSNUC,PAIR=3099 AND OTHERS,R=F		
PGC 29818			Galaxy SBb	
Dec 26 2003 31"	17mmT4	DIF,PF,ML,EL,PATCH,UB,NND,R=F		
PGC 30101			Galaxy S	
Jan 24 2004 31"	17mmT4	VF,VS,PATCH,UB,NND,R=P		
PGC 30116			Galaxy	

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PGC 30116		Galaxy
Jan 24 2004 31"	17mmT4	VF,VS,PATCH,UB,NND,R=P
PGC 30148		Galaxy C
Jan 24 2004 31"	17mmT4	VF,VS,UB,NND,PAIR=IC2561,R=P
PGC 30344		Galaxy E
Mar 20 2007 31"	17mmT4	MF,VS,R,VBSNUC,SBM,PAIRS=MAC/PGC30348,R=F
PGC 30348		Galaxy E
Mar 20 2007 31"	17mmT4	PF,MS,PATCH,UB,NND,COMP=MAC,JUST BARELY SPLIT,R=F
PGC 30365		Galaxy S
Mar 20 2007 31"	17mmT4	EF,PS,EL-EDGE ON,UB,NND,TRI OF *S SUR* OFF NUC,AV FIRST THEN HOLDS,R=P
Jan 24 2004 31"	17mmT4	EDIF,EF,PS,PATCH,UB,NND,PAIRS=3219 AND MAC'S,R=P
PGC 30385		Galaxy S
Mar 20 2007 31"	17mmT4	EF,ES,PATCH,AV,SUSP,V CLOSE COMP=3219,R=P
PGC 30459		Galaxy SAB(s)bc
Mar 20 2007 31"	17mmT4	VF,PS,EL,UB,NND,AV,F* OUTER EDGE,MOVE B* OUT OF FOV,PAIR=PGC30468,R=P
PGC 30468		Galaxy Scd:
Mar 20 2007 31"	17mmT4	EF,VS,PATCH,NND,AV,PAIR=PGC30459,R=P
PGC 31477		Galaxy IB(s)m:
Mar 26 2006 31"	17mmT4	VDIF,EF,PL,PATCH,NND,AV,R=P
PGC 32264		Galaxy SAB(s)ab
Apr 07 2008 31"	17mmT4	DIF,VF,PL,PATCH,UB,NND,LOC IN BARRON * FIELD,R=F
PGC 32532		Galaxy Sbc
Apr 07 2008 31"	17mmT4	VDIF,EF,ML,EL,PATCH,UB,NND,R=P
PGC 32617		Galaxy Dwarf
Apr 09 2008 31"	17mmT4	EDIF,EF,VS,PATCH,AV,OFF TIP OF 3432,AV ONCE,DOES NOT HOLD,R=P
PGC 32620		Galaxy Double System
Apr 09 2008 31"	17mmT4	VF,PS,PATCH,UB,NND,COMP=PGC32638,DID NOT DETECT AT FIRST,R=P
PGC 32628		Galaxy S
Apr 09 2008 31"	17mmT4	PS,VS,EL,FSNUC,COMP=PGC32620,R=F
PGC 33487		Galaxy SBbc
Apr 09 2008 31"	17mmT4	PF,MS,OVAL,UB,NND,SHISB,PAIRS=PGC'S/MAC'S,R=F
PGC 33488		Galaxy S

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PGC 33488

Galaxy S

Apr 09 2008 31" 17mmT4 PF,MS,OVAL,UB,NND,SHISB,PAIRS=PGC'S/MAC'S,R=F

PGC 33503

Galaxy

Apr 09 2008 31" 17mmT4 VF,PS,PATCH,UB,NND,PAIRS=PGC'S/MAC'S,R=P

PGC 33512

Galaxy L

Apr 09 2008 31" 17mmT4 VF,VS,PATCH,UB,NND,PAIRS=PGC'S/MAC'S,R=P

PGC 33573

Galaxy SBb

Apr 09 2008 31" 17mmT4 MF,MS,OVAL,BSNUC,R=F

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ABELL 79		Planetary Neb
Sep 18 2004 31"	17mmT4	WOIII,VDIF,VF,MS,PATCH,F* IN PL,OBLONG-PATCHY,VF*'S OUTER EDGE,R=F
BERK 96		Open Cluster I 2 p
Aug 30 2022 12.5"	9mmT6	(I 2 p),MB,MS,~10*'S,SOME BTR SOME FTR,CL BUT NOT CONC,RICH * FOV,SC,(12:46am),R=FG
IC 1434		Open Cluster III 2 m
Jun 24 2022 36"	31mmT5	(III 2 m),VB,VL,NICE FIT IN FOV,MOSTLY F*'S WITH FEW BTR *'S,CL DET AM RICH * FOV,NO CONC,(3:52am),R-FG
Sep 20 1984 12.5"	24mm	MB,PL,3B*'S TOWARDS CNTR,* SHAPED CL,LOOSE,SC,RICH * FIELD
IC 1441		Galaxy SBa?
Sep 11 2004 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,MULTI GLXY,7242 GRP,R=F
IC 1442		Open Cluster III 1 p
Sep 18 2004 31"	25mm	MF,ML,~20*'S,FEW B*'S WITH F*'S,CL WELL,R=F
IC 5180		Galaxy E:
Sep 11 2004 31"	17mmT4	MF,MS,R,BSNUC,MHISB CNTR,PAIRS=PGC68230,PGC68238,MAC,R=G
IC 5191		Galaxy S0/a
Sep 11 2004 31"	17mmT4	MF,PS,EDGE ON,FSNUC,MULTI GLXY,7242 GRP,R=F
IC 5192		Galaxy S
Sep 11 2004 31"	17mmT4	PF,PS,OVAL,PATCH,NND,F*'S ON EDGE OF GLXY,MULTI GLXY,7242 GRP,R=F
IC 5193		Galaxy S
Sep 11 2004 31"	17mmT4	VF,PS,PATCH,UB,VF* ON EDGE,MULTI GLXY,7242 GRP,R=F
IC 5217		Planetary Neb 2
Sep 02 2008 31"	17mmT4	MB,VS,R,UB,B BLUE BALL,NO CNTR*,OIII HELPS LTL,F HALO NEB DET ARND BALL,R=F
Sep 18 2004 31"	17mmT4	MB,PS,R,HISB,W/OIII,B BLUEISH BALL W/F HALO DET,CNTR * SUSP,BM,R=G
KING 9		Open Cluster I 1 m
Jun 24 2022 36"	17mmT4	(I 1 p),MF,VS,S PATCH OF F*'S CL,SAME MAG,BTR FOV *'S AM,SC,PAIR=N7245,(4:01am),R=P
MAC 2210+4101		Galaxy
Sep 11 2004 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=7223,R=P
MAC 2211+3855		Galaxy
Sep 11 2004 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,PAIRS=IC5180,PGC68230,PGC68238,R=P
MAC 2215+3711		Galaxy
Sep 11 2004 31"	17mmT4	VF,VS,PATCH,UB,NND,MULTI GLXY,7242 GRP,R=P
MAC 2215+3714		Galaxy
Sep 11 2004 31"	17mmT4	VF,VS,PATCH,UB,NND,MULTI GLXY,7242 GRP,R=P

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MAC 2216+3711		Galaxy	
Sep 11 2004 31"	17mmT4	DIF,VF,VS,OVAL,UB,NND,PAIR=PGC68466,R=P	
MAC 2221+3632		Galaxy	
Sep 11 2007 31"	17mmT4	EF,VS,PATCH,UB,NND,PAIRS=PGC68623/MAC,R=P	
MAC 2221+3635		Galaxy	
Sep 11 2007 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,PAIRS=PGC68623/MAC,R=P	
MAC 2222+3613		Galaxy	
Sep 11 2004 31"	17mmT4	VDIF,VF,ES,PATCH,NND,AV,PAIRS=MAC'S,7265,PGC68690,R=P	
MAC 2222+3613A		Galaxy	
Sep 11 2004 31"	17mmT4	VF,VS,PATCH,UB,PAIRS=MAC'S,7265,PGC68690,R=F	
MAC 2222+3616		Galaxy	
Sep 11 2004 31"	17mmT4	VDIF,EF,ES,PATCH,AV,PAIRS=MAC'S,7265,PGC68690,R=P	
MAC 2223+3607		Galaxy	
Sep 11 2007 31"	17mmT4	EF,VS,PATCH,NND,PAIR=PGC68715,R=P	
MAC 2223+3608		Galaxy	
Sep 11 2004 31"	17mmT4	VDIF,EF,ES,PATCH,AV,PAIRS=MAC'S,7273,7274,7276,R=P	
MAC 2224+3612		Galaxy	
Sep 11 2004 31"	17mmT4	DIF,VF,VS,PATCH,BET 2*S,PAIRS=MAC'S,7273,7274,7276,R=P	
MAC 2231+3922A		Galaxy	
Sep 19 2012 36"	17mmT4	PF,VS,FSNUC,PAIRS=PGC69055/MAC,R=P	
MAC 2231+3922B		Galaxy	
Sep 19 2012 36"	17mmT4	VF,VS,EL,UB,NND,PAIRS=GC69055/MAC,R=P	
MAC 2237+3831		Galaxy	
Sep 19 2012 36"	17mmT4	PF,PS,EL,*NUC,PAIRS=7730/PGC69332,R=PF	
NGC 7197		H599-2 Galaxy Sa	F,CS,CE,VGLBM,ER
Sep 11 2004 31"	17mmT4	MF,MS,EL,FSNUC,F*S BOTH ENDS,SHISB CNTR,R=F	
NGC 7209		H53-7 Open Cluster III 1 m	CL,L,CRI,PC,ST9...12
Jun 24 2022 36"	31mmT5	(III 1 r),EB,EL,FILLS FOV,*S SIM MAG,SC EVENLY,GRP CL,(3:43am),R=F	
Sep 20 1984 12.5"	24mm	VB,VL,~40-50*S,SC,NICE,*S ~SAME MAG	
Jul 15 1980 12.5"	24mm	CL WELL PLACED	
NGC 7223		H862-3 Galaxy SB(rs)bc	EF,PS,LE,R,AM3ST
Sep 11 2004 31"	17mmT4	DIF,PF,PS,OVAL,UB,NND,SHISB,VF* IN GLXY,CLOSE MAC COMP,R=F	

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NGC 7227		Galaxy S0	VF,VS,R,LBM,NP OF 2
Sep 11 2004 31"	17mmT4	MF,MS,OVAL,FLNUC,SHISB,B* IN TIP,PAIR=7228,R=F	
NGC 7228		Galaxy (R')SB(s)a	F,VS,R,LBM,SF OF 2
Sep 11 2004 31"	17mmT4	MF,MS,OVAL,FSNUC,SHISB,PAIR=7227,R=G	
NGC 7231		H606-2 Galaxy SBa	EF,S,ER
Sep 11 2004 31"	17mmT4	MB,MS,EL,PATCH,SHISB,SBM,R=G	
NGC 7240		Galaxy S0-:	EF,ES,*ATTN,P OF 2
Sep 11 2004 31"	17mmT4	MF,VS,R,FSNUC,F* ON EDGE,SBM,MULTI GLXY,7242 GRP,R=F	
NGC 7242		Galaxy E+:	VF,S,LBM,F OF 2
Sep 11 2004 31"	17mmT4	MB,PL,OVAL,FLNUC,GMBM,MHISB CNTR,MULTI GLXY,7242 GRP,R=G	
NGC 7243		H75-8 Open Cluster II 2 m	CL,L,P,LC,ST VL
Sep 20 1984 12.5"	24mm	VB,VL,RICH * FIELD,PPEARS TO BE 2 CL,S SIDE BY SIDE,~40*S	
Jul 15 1980 12.5"	24mm	CL WELL PLACED	
NGC 7245		H29-6 Open Cluster II 2 m	CL,C,ST ES
Jun 24 2022 36"	17mmT4	(II 2 m),MV,MS,*S APPROX SIM MAG,CL EL,SMWHT CONC.PAIR=KING 9,(4:03am),R=F	
Sep 20 1984 12.5"	24mm	MB,PS,V RICH * FIELD,B*NE SIDE,~40-50*S WITH F BG GLOW	
NGC 7248		H863-3 Galaxy SA0-:	VF,VS,MBM
Sep 11 2004 31"	17mmT4	MB,MS,EL,BLNUC,HISB CNTR,SBM,R=G	
NGC 7250		H864-3 Galaxy Sdm?	VF,S,ME165
Sep 11 2004 31"	17mmT4	MB,MS,EL,FLNUC,B* ON TIP,SBM,R=G	
NGC 7263		Galaxy S?	F,S,R
Sep 11 2004 31"	17mmT4	PF,PS,PATCH,NND,F* ON EDGE,PAIR=7264,R=F	
NGC 7264		Galaxy Sb	VF,PS,ME
Sep 11 2004 31"	17mmT4	MF,MS,EDGE ON,UB,CNTR BULGE DET,PAIR=7263,R=G	
NGC 7265		Galaxy S0-	F,VS,R,MBM
Sep 11 2004 31"	17mmT4	PB,ML,R,BLNUC,HISB,PAIRS=MAC'S,PGC68690,R=G	
NGC 7273		Galaxy S0	F,VS,R,MBM
Sep 11 2004 31"	17mmT4	MB,ML,OVAL,BLNUC,SHISB,PAIRS=7274,7276,MAC'S,R=G	
NGC 7274		Galaxy E	PF,VS,MBM
Sep 11 2004 31"	17mmT4	MB,ML,OVAL,BLNUC,SHISB,SLT BTR THAN NGC7273,PAIRS=MAC'S,7276,R=G	
NGC 7276		Galaxy E	VF,VS,MBM
Sep 11 2004 31"	17mmT4	MF,PS,OVAL,FSNUC,PAIRS=MAC'S,7273,7274,R=F	

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NGC 7282		Galaxy SB(r)b	EF,PL,DIF,BET3*
Sep 11 2004 31"	17mmT4	PF,ML,OVAL,PATCH,UB,NND,APROX 8 VF*S IN GLXY,R=F	
Sep 18 1982 12.5"	16mm	VDIF,VF,MS,INSIDE S TRI OF *S,SLT EL,NND,PATCHY	
NGC 7295		Open Cluster asterism?	CL,P,LC,ST12...13
Sep 11 2004 31"	17mmT4	PB,ML,~12*S LOOSELY SC,R=F	
NGC 7296		H41-7	Open Cluster II 2 p
Sep 20 1984 12.5"	24mm	MB,PS,~20*S SC	CL,IR,LC,ST VS
Aug 11 1982 12.5"	24mm	MF,VS,1B*W EDGE,R,FOV FULL OF *S WITH HINT OF MANY MORE!!	
NGC 7330		Galaxy E	PB,S,LE,BM
Jul 29 1981 12.5"	24mm	DIF,R,UB,LTL BIN THE CNTR,MF,MS	
NGC 7379		Galaxy SBa	EF,S,R,LBM
Sep 11 2004 31"	17mmT4	MB,ML,OVAL,FLNUC,SBM,SHISB CNTR,R=G	
NGC 7394		Open Cluster cluster?	CL,VP
Sep 11 2004 31"	25mm	PB,PL,~12*S,SIM MAG,LOOSELY SC,R=F	
NGC 7395		Galaxy S0?	EF,VS,R,BM
Sep 11 2004 31"	17mmT4	MF,MS,FLNUC,SBM,R=F	
NGC 7426		H576-3	Galaxy E
Sep 11 2004 31"	17mmT4	MB,ML,OVAL,BLNUC,HISB CNTR,GMBM,R=G	VF,CS,R,STELLAR,D*P
PGC 68171		Galaxy Sb	
Sep 11 2004 31"	17mmT4	DIF,VF,MS,PATCH,UB,NND,VF* IN GLXY,R=F	
PGC 68210		Galaxy	
Sep 11 2004 31"	17mmT4	VF,MS,PATCH,UB,NND,R=F	
PGC 68221		Galaxy Sc	
Sep 11 2004 31"	17mmT4	DIF,VF,MS,OVAL,UB,NND,PAIR=PGC68226,R=F	
PGC 68226		Galaxy Sa	
Sep 11 2004 31"	17mmT4	PF,PS,OVAL,SVRL *S IN AND SUR GLXY,PAIR=PGC68221,R=F	
PGC 68230		Galaxy S	
Sep 11 2004 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,PAIRS=IC5180,PGC68238,MAC,R=F	
PGC 68238		Galaxy S	
Sep 11 2004 31"	17mmT4	VF,MS,OVAL,PATCH,UB,NND,V*S IN GLXY,PAIRS=IC5180,PGC68230,MAC,R=F	
PGC 68416		Galaxy C	
Sep 11 2004 31"	17mmT4	VF,ES,PATCH,UB,NND,MULTI GLXY,7242 GRP,R=P	

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PGC 68466		Galaxy
Sep 11 2004 31"	17mmT4	PF,PS,EL,FSNUC,PAIR=MAC,R=F
PGC 68482		Galaxy SAB(s)bc
Sep 11 2007 31"	17mmT4	MB,ML,EL,PATCH,UB,NND,R=G
PGC 68623		Galaxy Sa
Sep 11 2007 31"	17mmT4	MP,MS,EL,FLNUC,HAS A HOOK AT ONE END,PAIRS=MAC'S,R=F
PGC 68675		Galaxy S?
Sep 11 2007 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,VF* IN GLXY EDGE,R=P
PGC 68690		Galaxy Sb
Sep 11 2004 31"	17mmT4	MF,MS,EL,PATCH,NND,B*ON EDGE,SHISB,PAIRS=MAC'S,7265,R=F
PGC 68706		Galaxy
Sep 11 2007 31"	17mmT4	VF,PS,OVAL,UB,NND,PAIR=PGC68713,R=P
PGC 68713		Galaxy Sb
Sep 11 2007 31"	17mmT4	VF,PS,OVAL,UB,NND,VF* IN EGDE OF GLXY,PAIR=PGC68706,R=P
PGC 68715		Galaxy S
Sep 11 2007 31"	17mmT4	MF,MS,EL,FLNUC,CNTR BULGE,SHISB CNTR,PAIR=MAC,R=F
PGC 69055		Galaxy S0-:
Sep 19 2012 36"	17mmT4	MF,PS,R,BLNUC,MHISB CNTR,PAIRS=MAC'S,R=F
PGC 69101		Galaxy SB(s)b
Sep 19 2012 36"	17mmT4	MF,MS,EL-EDGE ON,FLNUC,CIGAR SHAPE,VF*'S IN TIP,PAIRS=PGC'S,R=F
PGC 69110		Galaxy SBcd:
Sep 19 2012 36"	17mmT4	VF,VS,OVAL,FSNUC,PAIRS=PGC'S,R=P
PGC 69117		Galaxy S
Sep 19 2012 36"	17mmT4	VF,VS,OVAL,VFSNUC,PAIRS=PGC'S,R=P
PGC 69127		Galaxy C
Sep 19 2012 36"	17mmT4	PF,VS,OVAL,FLNUC,R=PF
PGC 69332		Galaxy Sb
Sep 19 2012 36"	17mmT4	MF,MS,OVAL,FLNUC,PAIRS=7730/MAC,R=F
PGC 70061		Galaxy
Sep 11 2004 31"	17mmT4	MF,PS,PATCH,UB,NND,2F*'S ON EDGE,R=F

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CGCG 93-45		Galaxy
Mar 08 2010 31"	17mmT4	PF,MS,FSNUC,PAIRS=3121/MAC'S,R=F
CGCG 97-86		Galaxy S0
Mar 29 2006 31"	17mmT4	MF,MS,EL,BSNUC,AGC 1367,R=F
CGCG 97-90		Galaxy S0
Mar 29 2006 31"	17mmT4	PF,MS,R,BSNUC,SBM,AGC 1367,R=F
IC 540		Galaxy S
Jan 20 2004 31"	17mmT4	MF,MS,OVAL,FSNUC,R=F
IC 544		Galaxy S
Feb 25 2004 31"	17mmT4	MF,MS,R,BLNUC,MHISB CNTR,PAIR=IC545,R=F
IC 545		Galaxy Sab
Feb 25 2004 31"	17mmT4	PF,PS,EL,FSNUC,F* ON EDGE,PAIR=IC544,R=F
IC 548		Galaxy
Feb 25 2004 31"	17mmT4	PF,MS,OVAL,FSNUC,2F*S BOTH SIDES,SBM,PAIRS/2940/2939,R=F
IC 585		Galaxy S0-:
Mar 08 2010 31"	17mmT4	MB,ML,OVAL-R,FLNUC,SHISB CNTR,PAIR=30380,R=G
IC 591		Galaxy S?
Mar 08 2010 31"	17mmT4	MF,MS,PATCH,UB,NND,SHISB,PAIR=MAC,R=F
IC 595		Galaxy
Mar 08 2010 31"	17mmT4	PF,PS,OVAL,FSNUC,R=F
IC 596		Galaxy Sb
Mar 08 2010 31"	17mmT4	MF,MS,EL,VFSNUC,R=F
IC 607		Galaxy SB(rs)bc
Mar 26 2006 31"	17mmT4	MF,ML,R,PATCH,VFSNUC,R HALO,BI* IN GLXY,R=F
IC 660		Galaxy E
Mar 16 2010 31"	17mmT4	MF,MS,OVAL, FLNUC,SHISB CNTR,AGC 1139,R=F
IC 661		Galaxy L
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,AGC 1139,R=P
IC 696		Galaxy SBdm:
Mar 06 2010 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,PAIRS=IC'S/MAC,R=F
IC 698		Galaxy S0?
Mar 06 2010 31"	17mmT4	MB,MS,EL,UB,NND,SHISB,PAIRS=IC'S/MAC,R=F

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IC 700		Galaxy S0?
Apr 26 2008 31"	17mmT4	VF,PS,FSNUC,ALL 3 APPEAR AS A SINGLE EDGE ON,CANNOT SEP,HICKSON 54,R=P
IC 701		Galaxy SB(rs)dm pec
Mar 17 2007 31"	17mmT4	MB,ML,OVAL,FLNUC,SHISB,PAIRS=PGC'S/MAC,R=G
IC 707		Galaxy S?
Mar 16 2010 31"	17mmT4	MF,MS,PATCH,UB,NND,MHISB,R=G
IC 710		Galaxy
Mar 16 2010 31"	17mmT4	MF,MS,PATCH,FLNUC,SHISB CNTR,R=F
IC 727		Galaxy Sb
May 09 2010 31"	17mmT4	MF,MS,EL-EDGE ON,VFSNUC,PAIR=PGC36547,R=F
IC 732		Galaxy S0?
May 09 2010 31"	17mmT4	PF,PS,OVAL,FSNUC,CLOSE COMP=MAC,PAIRS=3884/MAC'S,R=F
IC 736		Galaxy E?
Dec 28 2008 31"	17mmT4	MF,MS,OVAL,LB NUC,HICKSON GRP,R=F
IC 737		Galaxy S?
Mar 16 2009 31"	17mmT4	EF,VS,PATCH,EL,AV HOLDS,R=P
Dec 28 2008 31"	17mmT4	EF,ES,PATCH,AV FEW TIMES, DOES NOT HOLD,HICKSON GRP,R=P
IC 739		Galaxy SBab:
May 09 2010 31"	17mmT4	PF,MS,OVAL,UB,NND,R=F
IC 742		Galaxy SBab
May 09 2010 31"	17mmT4	MF,MS,PATCH,UB,NND,R=F
IC 744		Galaxy
Mar 16 2010 31"	17mmT4	PF,VS,OVAL,UB,NND,R=PF
IC 746		Galaxy S?
Mar 17 2010 31"	17mmT4	MF,MS,EL,UB,NND,R=F
IC 2486		Galaxy SAB(rs)bc
Jan 20 2004 31"	17mmT4	MF,ML,R,UB,NND,R=G
IC 2487		Galaxy Sb: sp
Jan 20 2004 31"	17mmT4	MF,PL,EDGE ON,UB,NND,CNTR BULGE,R=G
IC 2490		Galaxy Sbc
Jan 20 2004 31"	17mmT4	MF,PL,OVAL,UB,NND,R=F
IC 2495		Galaxy S?

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IC	2495		Galaxy S?
	Feb 25 2004 31"	17mmT4 MF,MS,BSNUC,GBM,R=F	
IC	2551		Galaxy S?
	Mar 08 2010 31"	17mmT4 MF,PS,R,BSNUC,R=F	
IC	2567		Galaxy LB
	Feb 25 2004 31"	17mmT4 MF,MS,OVAL,FSNUC,*NUC,R=F	
IC	2759		Galaxy S?
	Apr 26 2008 31"	17mmT4 PF,MS,PATCH,VFSNUC,HICKSON 51 CL,R=F	
IC	2867		Galaxy
	Mar 06 2010 31"	17mmT4 EF,VS,PATCH,AV TOOK A WHILE,COMES AND GOES,PAIRS=IC'S/MAC,R=P	
IC	2914		Galaxy S
	May 14 2010 31"	17mmT4 PF,PS,PATCH,NND,R=F	
IC	2930		Galaxy
	Mar 16 2010 31"	17mmT4 MF,MS,EL,FLNUC,R=F	
IC	2934		Galaxy Sb
	Mar 16 2010 31"	17mmT4 PF,MS,OVAL,UB,NND,VF* OFF EDGE,R=F	
IC	2938		Galaxy
	Mar 16 2010 31"	17mmT4 MF,MS,R,FSNUC,G=F	
IC	2941		Galaxy S?
	Mar 16 2010 31"	17mmT4 PF,MS,OVAL,FLNUC,R=F	
IC	2945		Galaxy E/S0
	Mar 16 2010 31"	17mmT4 MF,MS,OVAL,FSNUC,R=F	
IC	2951		Galaxy Sa
	Mar 17 2010 31"	17mmT4 MF,MS,EL,BSNUC,SHISB,PAIR=PGC36402,R=F	
IC	2955		Galaxy
	Mar 29 2006 31"	17mmT4 MF,MS,R,AGC 1367,R=F	
IC	2956		Galaxy SAB(s)bc
	May 09 2010 31"	17mmT4 MB,ML,OVAL,FLNUC,GRAD BM,PAIRS=PGC36600/MAC,R=G	
IC	2982		Galaxy L
	Feb 21 2020 36"	17mmT4 MF,PS,OVAL,*NUC,PAIR=N4004,R=FG	
	Mar 08 2010 31"	17mmT4 PF,PS,EL,FLNUC,R=F	
MAC	0937+1702		Galaxy

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MAC 0937+1702		Galaxy
Feb 25 2004 31"	17mmT4	DIF,PF,MS,PATCH,UB,PAIR=NGC2933,R=P
MAC 0937+1705		Galaxy
Feb 25 2004 31"	17mmT4	DIF,VF,VS,PATCH,PAIR=NGC2933,R=P
MAC 0937+1706		Galaxy
Feb 25 2004 31"	17mmT4	DIF,VF,MS,PATCH,*NUC,PAIR=NGC2933,R=P
MAC 0938+1700		Galaxy
Feb 25 2004 31"	17mmT4	DIF,VF,MS,PATCH,UB,PAIRS/2943/2941,R=P
MAC 0938+1702		Galaxy
Feb 25 2004 31"	17mmT4	VDIF,EF,MS,PATCH,AV,PAIRS/2943/2941,R=P
MAC 0939+3223		Galaxy
Mar 10 2007 31"	17mmT4	EF,VS,PATCH,NND,AV,PAIRS=2944/PGC'S,R=P
MAC 0953+0749		Galaxy
Mar 10 2007 31"	17mmT4	EF,VS,PATCH,UB,AV,PAIRS=PGC'S/MAC'S,R=P
MAC 0953+0752		Galaxy
Mar 10 2007 31"	17mmT4	VDIF,EF,VS,PATCH,UB,AV,SUSP,PAIRS=PGC'S/MAC,R=P
MAC 0953+0753		Galaxy
Mar 10 2007 31"	17mmT4	EF,VS,PATCH,UB,AV,SUSP,PAIRS=PGC'S/MAC'S,R=P
MAC 0958+1303		Galaxy
Mar 08 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,AV TOOK A WHILE THEN HOLDS,PAIRS=PGC'S/MAC'S,R=P
MAC 0958+2846		Galaxy
Mar 10 2007 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIRS=3608/MAC,R=F
MAC 0958+2852		Galaxy
Mar 20 2007 31"	17mmT4	MF,PS,R,*NUC,V CLOSE COMP=3068,R=F
Mar 10 2007 31"	17mmT4	PF,PS,PATCH,UB,VFSNUC,PAIRS=3608/MAC,R=F
MAC 0959+1301		Galaxy
Mar 08 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,AV TOOK A WHILE THEN HOLDS,PAIRS=PGC'S/MAC'S,R=P
MAC 0959+1302		Galaxy
Mar 08 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,AV TOOK A WHILE THEN HOLDS,PAIRS=PGC'S/MAC'S,R=P
MAC 1006+1417		Galaxy
Mar 08 2010 31"	17mmT4	VF,PS,PATCH,UB,NND,PAIRS=3121/MAC'S,R=P
MAC 1006+1421		Galaxy

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MAC 1006+1421**Galaxy**

Mar 08 2010 31" 17mmT4 PF,PS,PATCH,UB,NND,PAIRS=3121/MAC'S,R=F

MAC 1006+1423**Galaxy**

Mar 08 2010 31" 17mmT4 PF,VS,PATCH,UB,NND,PAIRS=3121/MAC'S,R=F

MAC 1007+1214**Galaxy**

Mar 08 2010 31" 17mmT4 VF,VS,PATCH,TOOK AV A WHILE TO HOLD,PAIR=IC591,R=P

MAC 1021+2355**Galaxy**

Feb 25 2004 31" 17mmT4 EDIF,EF,VS,PATCH,PAIRS/3216,AV,SUSP,R=P

MAC 1021+2357**Galaxy**

Feb 25 2004 31" 17mmT4 VF,PS,EL,PATCH,PAIRS/3216,R=F

MAC 1021+2358**Galaxy**

Feb 25 2004 31" 17mmT4 VF,PS,PATCH,PAIRS/3216,R=F

MAC 1021+2359**Galaxy**

Feb 25 2004 31" 17mmT4 VF,PS,PATCH,SBM,PAIRS/3216,R=F

MAC 1022+1242**Galaxy**

Mar 17 2009 31" 17mmT4 VF,VS,PATCH,NND,AGC,R=P

MAC 1022+1249**Galaxy**

Mar 17 2009 31" 17mmT4 EF,ES,PATCH,AV ONLY A FEW TIMES,AGC,R=P

MAC 1022+1746A**Galaxy**

Mar 20 2007 31" 17mmT4 VF,VS,OVAL,PATCH,NND,PAIRS=PGC'S,* ON EDGE,R=P

MAC 1022+1921A**Galaxy**

Mar 10 2007 31" 17mmT4 EF,VS,PATCH,AV,SUSP,PAIR=PGC30388,R=P

MAC 1022+1947**Galaxy**

Feb 25 2004 31" 17mmT4 PF,PS,UB,NND,COMP=PGC30397,R=P

MAC 1022+2221**Galaxy**

Mar 10 2007 31" 17mmT4 PF,PS,PATCH,UB,NND,PAIR=PGC30360,R=P

MAC 1022+2436**Galaxy**

Feb 25 2004 31" 17mmT4 MF,PS,OVAL,FSNUC,BEST MAC SEEN TO DATE,LOC=IC2569 UNKNOWN,R=F

MAC 1023+1247**Galaxy**

Mar 17 2009 31" 17mmT4 EF,VS,PATCH,AV COMES AND GOES,AGC,R=P

MAC 1023+1248**Galaxy**

Mar 17 2009 31" 17mmT4 VF,PS,EL,BSNUC,AGC,R=P

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MAC 1023+1249 **Galaxy**
 Mar 17 2009 31" 17mmT4 PF,PS,PATCH,NND,AGC,R=F

MAC 1023+1250A **Galaxy**
 Mar 17 2009 31" 17mmT4 VF,MS,PATCH,NND,CAN JUST BARELY SPLIT THE TWO WITH AV,AGC,R=P

MAC 1023+1250B **Galaxy**
 Mar 17 2009 31" 17mmT4 VF,VS,PATCH,NND,CAN JUST BARELY SPLIT THE TWO WITH AV,AGC,R=P

MAC 1023+1251 **Galaxy**
 Apr 16 2009 31" 17mmT4 EF,ES,PATCH,SUSP ONCE OR TWICE,LOC GOOD,R=P

MAC 1023+1252 **Galaxy**
 Mar 17 2009 31" 17mmT4 PF,PS,PATCH,NND,AGC,R=F

MAC 1023+1303 **Galaxy**
 Apr 16 2009 31" 17mmT4 PF,PS,OVAL,FLNUC,PAIRS=PGC'S,R=F

MAC 1024+1713 **Galaxy**
 Mar 26 2006 31" 17mmT4 EF,VS,PATCH,UB,NND,MANY COMP,PAIR=3239,R=P

MAC 1025+1703 **Galaxy**
 Mar 26 2006 31" 17mmT4 EF,VS,PATCH,AV,R=P

MAC 1025+1704 **Galaxy**
 Mar 26 2006 31" 17mmT4 VF,VS,PATCH,*NUC,MANY COMP,PAIR=PGC30606/3239,R=P

MAC 1025+1714 **Galaxy**
 Mar 26 2006 31" 17mmT4 EF,VS,PATCH,UB,NND,MANY COMP,PAIR=3239,R=P

MAC 1028+2235 **Galaxy**
 Mar 10 2007 31" 17mmT4 VF,PS,PATCH,UB,NND,PAIR=PGC30818,R=P

MAC 1029+2604A **Galaxy**
 Mar 10 2007 31" 17mmT4 EF,PS,PATCH,UB,NND,PAIRS=3251/MAC,DIRECT VISION NO AV,R=P

MAC 1029+2604B **Galaxy**
 Mar 10 2007 31" 17mmT4 EF,PS,PTACH,UB,NND,PAIRS=3251/MAC,DIRECT NO AV,R=P

MAC 1043+0645 **Galaxy**
 Feb 22 2020 36" 17mmT4 VF,VS,PATCH,UB,COMP=N3349,R=P

MAC 1057+0115B **Galaxy**
 Mar 16 2010 31" 17mmT4 PF,PS,PATCH,VFSNUC,AGC 1139,R=F

MAC 1057+0126 **Galaxy**
 Mar 16 2010 31" 17mmT4 EF,ES,PATCH,AV ONLY A FEW TIMES AFTER A LONG WHILE,AGC 1139,R=P

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MAC 1057+0134B		Galaxy
Mar 16 2010 31"	17mmT4	PF,PS,OVAL,VFSNUC,AGC 1139,R=F
MAC 1057+0136		Galaxy
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,GLXY TOUCH B*,AGC 1139,R=P
MAC 1057+0138		Galaxy
Mar 16 2010 31"	17mmT4	PF,MS,OVAL,FLNUC,AGC 1139,R=F
MAC 1057+0139		Galaxy
Mar 16 2010 31"	17mmT4	EF,VS,PATCH,TOOK AV A WHILE,COMES AND GOES,NND,AGC 1139,R=P
MAC 1057+0143		Galaxy
Mar 16 2010 31"	17mmT4	VF,VS,PTCH,NND,AGC 1139,R=P
MAC 1058+0116A		Galaxy
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,AGC 1139,R=P
MAC 1058+0116B		Galaxy
Mar 16 2010 31"	17mmT4	EF,SUSP,AGC 1139,R=P
MAC 1058+0116D		Galaxy
Mar 16 2010 31"	17mmT4	EF,VS,PATCH,UB,NND,AV FIRST THEN HOLDS,AGC 1139,R=P
MAC 1058+0122		Galaxy
Mar 16 2010 31"	17mmT4	EF,VS,PATCH,AV FIRST THEN HOLDS,AGC 1139,R=P
MAC 1058+0124		Galaxy
Mar 16 2010 31"	17mmT4	EF,PS,OVAL,PATCH,UB,NND,AV FIRST THEN HOLDS,AGC 1139,R=P
MAC 1058+0125		Galaxy
Mar 16 2010 31"	17mmT4	VF,VS,EL-EDGE ON,SLIVER,AGC 1139,R=P
MAC 1058+0130		Galaxy
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,AV HOLDS,NND,AGC 1139,R=P
MAC 1058+0133A		Galaxy
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,AV COMES AND GOES,BARRON AREA,AGC 1139,R=P
MAC 1058+0133B		Galaxy
Mar 16 2010 31"	17mmT4	EF,SUSP,AGC 1139,R=P
MAC 1058+0136B		Galaxy
Mar 16 2010 31"	17mmT4	PF,PS,OVAL,FSNUC,AGC 1139,CLOSE COMPS=PGC/MAC'S,TOUCH=MAC,CAN JUST BARELY SEP,R=F
MAC 1058+0136C		Galaxy

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MAC 1058+0136C Galaxy
 Mar 16 2010 31" 17mmT4 EF,ES,ALM *,AV COMES AND GOES,TOUCH=MAC,CLOSE COMPS=PGC33000/MAC'S,AGC 1139,R=P

MAC 1058+0136D Galaxy
 Mar 16 2010 31" 17mmT4 MF,MS,OVAL,FSNUC,CLOSE COMPS=PGC3300/MAC'S,AGC 1139,R=F

MAC 1058+0138 Galaxy
 Mar 16 2010 31" 17mmT4 VF,VS,PATCH,NND,AV FIRST THEN HOLDS,AGC 1139,R=P

MAC 1058+0139A Galaxy
 Mar 16 2010 31" 17mmT4 EF,ES,PATCH,AV ONLY ONCE,SUSP,AGC 1139,R=P

MAC 1058+0139B Galaxy
 Mar 16 2010 31" 17mmT4 PF,PS,PATCH,FLNUC,AGC 1139,R=F

MAC 1058+0140 Galaxy
 Mar 16 2010 31" 17mmT4 EF,VS,PATCH,BFIELD **S IN AREA,AV HARD TO HOLD,AGC 1139,R=P

MAC 1058+0143 Galaxy
 Mar 16 2010 31" 17mmT4 VF,VS,OVAL,PATCH,UB,NND,AGC 1139,R=P

MAC 1058+2411 Galaxy
 Mar 21 2020 36" 17mmT4 VF,VS,PATCH,UB,NND,A V GOOD MAC,PAIR=3475,R=F

MAC 1059+0123 Galaxy
 Mar 16 2010 31" 17mmT4 VF,PS,PATCH,AV FIRST THEN HOLDS,R=P

MAC 1059+0124A Galaxy
 Mar 16 2010 31" 17mmT4 EF,VS,PATCH,AV EXTREEM,TOOK AWHILE,AGC 1139,R=P

MAC 1059+0126 Galaxy
 Mar 16 2010 31" 17mmT4 VF,VS,PATCH,AV HOLDS,AGC 1139,R=P

MAC 1059+0136A Galaxy
 Mar 16 2010 31" 17mmT4 VF,VS,PATCH,NND,AGC 1139,R=P

MAC 1059+0136B Galaxy
 Mar 16 2010 31" 17mmT4 PF,PS,OVAL,BSNUC,F=F

MAC 1059+1738B Galaxy
 Mar 26 2006 31" 17mmT4 MF,MS,EDGE ON,UB,NND,B* AT EDGE,PAIR=PGC33116,COMP,R=F

MAC 1107+1818 Galaxy
 Mar 17 2007 31" 17mmT4 VF,MS,PATCH,UB,NND,PAIR=PGC33636,R=P

MAC 1117+2320 Galaxy
 Feb 15 2004 31" 17mmT4 VDIF,EF,ES,AV,SUSP,R=P

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MAC 1117+2643 **Galaxy**
Feb 15 2004 31" 17mmT4 DIF,VF,PS,PATCH,UB,NND,PAIR=PGC34516,R=P

MAC 1118+2329 **Galaxy**
Feb 15 2004 31" 17mmT4 VF,ES,PATCH,UB,PAIRS=MACS,R=P

MAC 1118+2332 **Galaxy**
Feb 15 2004 31" 17mmT4 PF,VS,PATCH,FSNUC,PAIRS=MACS,R=F

MAC 1118+2332A **Galaxy**
Feb 15 2004 31" 17mmT4 PF,VS,PATCH,UB,PAIRS=MACS,R=F

MAC 1119-0305 **Galaxy**
Mar 17 2007 31" 17mmT4 EF,VS,PATCH,AV,SUSB,PAIRS=PGC'S/MAC,R=P

MAC 1119-0306 **Galaxy**
Mar 17 2007 31" 17mmT4 VF,VS,PATCH,AV,SUSP,PAIRS=PGC'S/MAC,R=P

MAC 1128+0905 **Galaxy**
Mar 06 2010 31" 17mmT4 EF,ES,PATCH,PAIRS=IC'S,SUSP,R=P

MAC 1131+2021A **Galaxy**
Mar 17 2007 31" 17mmT4 EF,VS,PATCH,UB,AV FIRST THEN HOLDS,PAIRS=IC701/PGC'S,R=P

MAC 1131+2812 **Galaxy**
May 14 2010 31" 17mmT4 VF,VS,PATCH,UB,AV FIRST THEN HOLDS,PAIR=PGC35514,R=P

MAC 1133+1208 **Galaxy**
Mar 16 2010 31" 17mmT4 VF,VS,PATCH,UB,NND,R=P

MAC 1137+2202 **Galaxy**
Mar 29 2006 31" 17mmT4 VDIF,EF,VS,PATCH,NND,PAIR=HICKSON 57,R=P

MAC 1138+2150A **Galaxy**
Mar 29 2006 31" 17mmT4 VF,VS,PATCH,UB,NND,PAIR=MAC,R=P

MAC 1138+2150C **Galaxy**
Mar 29 2006 31" 17mmT4 VF,VS,PATCH,UB,NND,PAIR=MAC,R=P

MAC 1139+2020 **Galaxy**
Mar 17 2010 31" 17mmT4 EF,VS,PATCH,TOOK AV A WHILE,COMES AND GOES,PAIRS=3787/PGC36133/MAC,R=P

MAC 1139+2023 **Galaxy**
Mar 17 2010 31" 17mmT4 PF,PS,PATCH,NND,PAIRS=3787/PGC36133/MAC,R=F

MAC 1139+2618 **Galaxy**
Mar 17 2010 31" 17mmT4 EF,VS,PATCH,TOOK AV A WHILE THEN HOLDS,PAIRS=3784/3785,R=P

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MAC 1139+2621		Galaxy
Mar 17 2010 31"	17mmT4	EF,VS,PATCH,TOOK AV A WHILE THEN HOLDS,PAIRS=3784/3785,R=P
MAC 1140+2220		Galaxy
Mar 29 2006 31"	17mmT4	EDIF,EF,VS,PATCH,AV,PAIRS=3808/3808A,R=P
MAC 1141+1557		Galaxy
Mar 29 2006 31"	17mmT4	EF,VS,PATCH,AV,PAIRS=PGC36295/PGC36294,R=P
MAC 1141+2014		Galaxy
Mar 29 2006 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,AGC 1367,R=P
MAC 1141+2015		Galaxy
Mar 29 2006 31"	17mmT4	EF,ES,PATCH,AV,SUSP,AGC 1367,R=P
MAC 1143+2014		Galaxy
Mar 17 2007 31"	17mmT4	VF,PS,PATCH,UB,NND,PAIRS=PGC'S,R=P
MAC 1143+2018		Galaxy
Mar 17 2007 31"	17mmT4	PF,PS,OVAL,FSNUC,R=F
MAC 1144+1045		Galaxy
May 09 2010 31"	17mmT4	EF,VS,PATCH,HARD TOHOLD WITH AV,PAIR=3839,R=P
MAC 1144+1633		Galaxy
May 09 2010 31"	17mmT4	PF,PS,PATCH,FSNUC,PAIR=3853,R=F
MAC 1144+1636		Galaxy
May 09 2010 31"	17mmT4	VF,VS,PATCH,NND,CLOSE TO *,PAIR=PGC36598,R=P
MAC 1144+1941		Galaxy
Mar 29 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,AGC 1367,R=F
MAC 1144+1943		Galaxy
May 09 2010 31"	17mmT4	PF,VS,OVAL,FLNUC,PAIRS=3860/PGC'S/MAC'S,R=F
Mar 29 2006 31"	17mmT4	MF,MS,R,FSNUC,AGC 1367,R=F
MAC 1144+1944B		Galaxy
Mar 29 2006 31"	17mmT4	EF,VS,PATCH,NND,AGC 1367,AV,R=P
MAC 1144+1948		Galaxy
May 09 2010 31"	17mmT4	VF,ES,OVAL,PATCH,NND,TOOK AV A WHILE,PAIR=3860/PGC'S,R=P
MAC 1144+2006		Galaxy
Mar 17 2007 31"	17mmT4	VF,VS,OVAL,UB,NND,V CLOSE COMP=PTC36526,R=P
MAC 1144+2006A		Galaxy

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MAC 1144+2006A		Galaxy	
Mar 17 2007 31"	17mmT4	MF,PS,OVAL,PATCH,UB,NND,PAIRS=PGC'S/MAC,R=F	
MAC 1144+2014		Galaxy	
Mar 17 2007 31"	17mmT4	VF,PS,OVAL,VFSNUC,PAIRS=PGC'S,R=P	
MAC 1145+2026		Galaxy	
May 09 2010 31"	17mmT4	PF,PS,OVAL,FSNUC,CLOSE COMP=IC723,R=F	
MAC 1145+2652		Galaxy	
May 09 2010 31"	17mmT4	MB,PS,PATCH,UB,NND,PAIRS=IC2956/PGC36600,R=F	
MAC 1146+2026		Galaxy	
May 09 2010 31"	17mmT4	VF,VS,PATCH,AV FIST THEN HOLDS,PAIRS=IC732/3884/MAC,R=P	
MAC 1150+2111		Galaxy	
Mar 16 2010 31"	17mmT4	VF,MS,EDGE ON,UB,NND,PAIRS=PGC'S,R=P	
MAC 1152+2029		Galaxy	
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,AV HOLDS,PAIR=3943,R=P	
MAC 1152+2035A		Galaxy	
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=3937/PGC37192/MAC,R=P	
MAC 1152+2039		Galaxy	
Mar 16 2010 31"	17mmT4	PF,PS,EL,FSNUC,PAIRS=3937/PGC37192/MAC,R=F	
MAC 1153+2044		Galaxy	
Mar 16 2010 31"	17mmT4	EF,VS,AV TOOK A WHILE,COMES AND GOES,PAIR=3947,R=P	
MAC 1348+2543		Galaxy	
Mar 29 2006 31"	17mmT4	PF,VS,OVAL,FSNUC,PAIRS=PGC48974/PGC48973,R=F	
NGC 2872	H57-2	Galaxy E2	PF,PS,R,BM
Mar 10 2007 31"	17mmT4	PB,ML,EL,BLNUC,MHISB,MBM,PAIRS=2875/2873,R=G	
NGC 2873		Galaxy Sb	VF,VS,R,N OF E NEB
Mar 10 2007 31"	17mmT4	VF,MS,EDGE ON,UB,NND,PAIRS=2875/2875,R=F	
NGC 2874	H58-2	Galaxy SB(r)bc	VF,PL,ME
Mar 10 2007 31"	17mmT4	PB,ML,EL,BSNUC,SHISB,EL WITH PATCH OR BUMP OFF NUC,PAIRS=NGC'S,R=G	
NGC 2893	H297-3	Galaxy (R)SB0/a	VF,S,R,VSBM*12
Jan 20 2004 31"	17mmT4	PB,PS,OVAL,BSNUC,HISB CNTR,GMBM,R=G	
NGC 2894	H8-3	Galaxy Sa	VF,E,ER,2OR3* INV
Jan 20 2004 31"	17mmT4	VB,ML,R,BSNUC,B*S BOTH SIDES,MHISB,R=G	

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NGC 2896		Galaxy S	F,VS,R,*17ATT
Jan 20 2004 31"	17mmT4	PB,MS,R,BSNUC,GMBM,F* IN EDGE,R=G	
NGC 2903		H56-1 Galaxy SAB(rs)bc	CB,VL,E,GMBM,R,SPOF2
Mar 17 2018 36"	17mmT4	VB,VL,GRAN HAZE,B PATCHY RGN,SOFT SNUC,GMBM,BAR DET,ARMS ATTACHED BOTH ENDS,SHARP HOOK,R=E	
Jan 20 2004 31"	17mmT4	EB,EL-OVAL,BVLNUC,HISB,BAR DET,BH2 RGN ONE SIDE,ARMS DET,BH2 RGN IS NGC 2905,AWESOME,R=E	
Feb 25 1984 12.5"	12mm	MB,PL,EL,BNUC,3*S OFF TO ONE SIDE,SBM,MB EQ PLANE	
Jan 30 1981 12.5"	24mm	VB,VL,BNUC,DIF HALO,GREAT!!	
Dec 03 1980 12.5"	24mm		
Oct 31 1980 12.5"	24mm		
Jun 10 1980 6"	24mm		
Apr 16 1980 6"	24mm	SPR STR SUSP,DIF	
NGC 2905		H57-1 Knot in Galaxy	VF,CL,R,PSBM,R,NFOF2
Jan 20 2004 31"	17mmT4	MF,MS,PATCH,B AREA IN NGC2903,R=F	
NGC 2906		H495-2 Galaxy Scd:	F,PS,LE,GBM
Jan 20 2004 31"	17mmT4	VB,VL,EL,VBNUC,HISB,ARMS DET,PATCHY AREAS DET,R=E	
NGC 2911		H40-2 Galaxy SA(s)0: pec	F,PL,R,GBM,P OF 2
Jan 20 2004 31"	17mmT4	PB,PL,R,BLNUC,MHISB,GMBM,PAIRS=2914,PGC27175,R=G	
Feb 25 1984 12.5"	12mm	DIF,VF,VS,FNUC,PATCHY,SBM,OVAL,COMP SUSP TO SE	
Jan 30 1981 12.5"	24mm	DIF,EF,ES,FNUC,F HALO	
Dec 03 1980 12.5"	24mm		
NGC 2913		Galaxy S?	VF,PL,IR
Jan 20 2004 31"	17mmT4	MF,ML,OVAL,FLNUC,R=F	
NGC 2914		H513-3 Galaxy SB(s)ab	VF,S,R,BMN,F OF 2
Jan 20 2004 31"	17mmT4	MB,ML,R,BLNUC,SHISB,GBM,PAIRS=2911,PGC27175,R=G	
NGC 2916		H260-2 Galaxy SA(rs)b?	F,S,VLE
Jan 20 2004 31"	17mmT4	PB,PL,EL,BLNUC,MHISB,B RGN OR * IN GLXY,ARMS,PATCHY AREAS,R=E	
NGC 2918		H298-3 Galaxy E	VF,CS,R,SBMN
Jan 20 2004 31"	17mmT4	PB,ML,OVAL,BLNUC,MHISB,GMBM,R=G	
NGC 2919		Galaxy SAB(r)b:	F,PS
Jan 20 2004 31"	17mmT4	MB,PL,EL,UB,NND,IRR IN SHAPE,R=G	
NGC 2926		Galaxy S?	VF
Feb 25 2004 31"	17mmT4	PB,ML,OVAL,UB,MHISB,R=G	
NGC 2927		Galaxy SAB(rs)b	F,PL,R,LBM
Feb 25 2004 31"	17mmT4	MF,ML,OVAL,FLNUC,SBM,R=F	

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NGC 2928		Galaxy S	VF,S,R,BM
Feb 25 2004 31"	17mmT4	MF,MS,OVAL,FSNUC,MHISB CNTR,R=F	
Feb 25 2004 31"	17mmT4	MF,MS,OVAL,FLNUC,R=F	
NGC 2929		Galaxy S?	EF,VS,LE,VLBM,1STOF3
Feb 25 2004 31"	17mmT4	MF,PL,EL,MHISB,SBM,PAIRS/2930/2931,R=G	
NGC 2930		Galaxy S?	EF,S,2ND OF 3
Feb 25 2004 31"	17mmT4	MF,PL,OVAL,MHISB,SBM,PAIRS/2929/2931,R=G	
NGC 2931		Galaxy Sb	EF,VS,3RD OF 3
Feb 25 2004 31"	17mmT4	MB,ML,OVAL,MHISB,SBM,PAIRS/2929/2930,R=G	
NGC 2933		Galaxy S?	F,VS,LE,SP OF 2
Feb 25 2004 31"	17mmT4	PF,ML,OVAL,PATCH,UB,NND,PAIRS=MAC'S,R=F	
NGC 2939	H4-3	Galaxy Sbc	VF,S,VLE,BM,TRI STNF
Feb 25 2004 31"	17mmT4	MB,VL,BLNUC,MHISB CNTR,GMBM,F* IN EDGE OF GLXY,PAIR/2940/IC548,R=G	
NGC 2940		Galaxy S0?	VF,S,5'N OF2939
Feb 25 2004 31"	17mmT4	MB,MS,R,BSNUC,SHISB,GMBM,PAIRS=2939/IC548,R=F	
NGC 2941		Galaxy S	EF,VS,LE,P OF 2
Feb 25 2004 31"	17mmT4	MF,MS,OVAL,FSNUC,PAIRS/2943,OTHERS,R=F	
NGC 2943		Galaxy E	F,S,IR,BM,F OF2
Feb 25 2004 31"	17mmT4	PB,ML,OVAL,BLNUC,2F*S OUTER EDGE,MHISB CNTR,PAIRS/2941,OTHERS,R=G	
NGC 2944		Galaxy SB(s)c pec?	F,VS,LBM
Mar 10 2007 31"	17mmT4	PF,MS,EDGE ON,UB,NND,PAIRS=PGC'S/MAC,R=F	
Feb 25 2004 31"	17mmT4	MF,MS,EL TO EDGEON,SLT BM ALONG BAR,PAIR=PGC27546,R=F	
NGC 2946		Galaxy SB?	VF,S,E
Feb 25 2004 31"	17mmT4	MF,MS,EL,PATCH,UB,SBM,R=F	
NGC 2948	H519-3	Galaxy SBbc	VF,PL,VGBM
Feb 25 2004 31"	17mmT4	MB,ML,OVAL,FSNUC,MHISB,SLT BM,R=G	
NGC 2964	H114-1	Galaxy SAB(r)bc:	B,VL,LE,VGBM,SP OF 3
Jan 29 2014 36"	17mmT4	VB,VL,OVAL,BNUC,HISB,DUST,ARMS DET,PATCHY AREAS,R=E	
Feb 25 1984 12.5"	12mm	DIF,MF,MS,PATCHY,OVAL,SBM,NO *S,PAIR/2968	
Jan 30 1981 12.5"	24mm	DIF,VF,VS,FNUC AND HALO	
Dec 03 1980 12.5"	24mm		
NGC 2968	H491-2	Galaxy I0	PB,PL,LE,VGLBM,2ND-3
Jan 29 2014 36"	17mmT4	PB,ML,OVAL,BSNUC,MHISB,B BAR IN NUC SUSP,R=G	
Feb 25 1984 12.5"	12mm	DIF,PF,PS,PATCHY,OVAL,UB,NO *S,PAIR/2964	

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NGC 2968		H491-2	Galaxy I0	PB,PL,LE,VGLBM,2ND-3
Jan 30 1981 12.5"	24mm	DIF,VF,VS,FNUC AND HALO		
Dec 03 1980 12.5"	24mm			
NGC 2970			Galaxy E1:	F,NF OF 3
Jan 29 2014 36"	17mmT4	MF,MS,OVAL,FSNUC,R=F		
NGC 2984		H34-3	Galaxy S0?	EF,VS,R,BM
Feb 22 2020 36"	17mmT4	MB,PS,OVAL,BSNUC,R=FG		
NGC 2988			Galaxy SBbc	EF,P 2991
Jan 29 2014 36"	17mmT4	PF,PS,EDGE ON,NND,V CLOSE PAIR=2991,TOUCH,R=PF		
NGC 2991			Galaxy S0	F,VS,BM,SP OF 2
Jan 29 2014 36"	17mmT4	MB,MS,BLNUC,V CLOSE PAIR=2988,TOUCH,HISB CNTR,R=F		
NGC 2994			Galaxy S0	F,S,R,BM,NF OF 2
Jan 29 2014 36"	17mmT4	MB,ML,OVAL,UB,MHISB,R=FG		
NGC 3016			Galaxy Sb	VF,S,R,P OF 2
Feb 22 2020 36"	17mmT4	MF,ML,OVAL,FLNUC,MHISB,R=G		
NGC 3019			Galaxy Sbc	EF,F OF 2
Feb 22 2020 36"	17mmT4	VF,VS,PATCH,UB,NND,R=P		
NGC 3020		H51-3	Galaxy SB(r)cd:	EF,PS,LE0,R
Feb 22 2020 36"	17mmT4	MB,PL,EL-OVAL,UB,HISB,SVRL GLXY CLOSE BY,R=G		
NGC 3024		H52-3	Galaxy Sc: sp	EF,PL,E,R
Feb 22 2020 36"	17mmT4	MB,PL,EL,EDGE ON,UB,NND,SLT CNTR BULGE,R=G		
NGC 3032			Galaxy SAB(r)0^	F,S,SBM*12,BET2B*
Feb 25 1984 12.5"	12mm	VDIF,VF,ES,FNUC,BET 2F*S,R,SBM		
NGC 3041		H98-2	Galaxy SAB(rs)c	GCL,F,L,R,VGLBM,RR
Feb 25 1984 12.5"	12mm	VDIF,MF,PS,EL,UB,NND,F*N EDGE,ANOTHER F*N SIDE SUSP		
Jan 30 1981 12.5"	24mm	DIF,PF,PL,FNUC AND HALO,12 MAG * IN GLXY		
NGC 3053		H600-3	Galaxy SBa?	VF,S,VLE,GBM
Feb 22 2020 36"	17mmT4	MB,ML,OVAL,FLNUC,HISB,R=G		
NGC 3060		H601-3	Galaxy Sb	VF,CS,VLE,ER
Feb 22 2020 36"	17mmT4	MB,PL,EL-EDGE ON,MHISB,CNTR BULGE,TAPERED ENDS,R=G		
NGC 3067		H492-2	Galaxy SAB(s)ab?	PB,PL,E106,GBM,*94'P
Feb 25 1984 12.5"	12mm	DIF,VF,VS,EL,NND,UB,PATCHY,NO *S		
Jan 30 1981 12.5"	24mm	PF,DIF,VS,F HALO		

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NGC 3068		H293-3	Galaxy S0-: pec	EEF,ES,STELLAR,()
Mar 20 2007 31"	17mmT4	MB,MS,R,BLNUC,V	CLOSE COMP=MAC,SHISB CNTR,R=F	
NGC 3069			Galaxy S0?	VF,VS
Feb 22 2020 36"	17mmT4	MF,PS,EL,FSNUC,R=F		
NGC 3070		H59-2	Galaxy E	PB,PS,R,GMBMN,AM3ST
Feb 22 2020 36"	17mmT4	MB,ML,EL,FLNUC,SBM,R=G		
Feb 22 2020 36"	17mmT4	MB,MS,R,BSNUC,HISB CNTR,PAIR=N3069,R=FG		
NGC 3080		H934-3	Galaxy Sa	VF
Mar 08 2010 31"	17mmT4	MF,ML,OVAL-R,FLNUC,SHISB CNTR,PAIR=IC585,R=G		
NGC 3088		H24-3	Galaxy Double System	VF,S
Mar 08 2010 31"	17mmT4	MB,ML,OVAL,BLNUC,SHISB CNTR,INTRACT=3088B,R=F		
NGC 3088B			Galaxy Sbc	
Mar 08 2010 31"	17mmT4	PF,MS,EL,PATCH,UB,NND,INTRACT=3088,R=P		
NGC 3094			Galaxy SB(s)a	F,BM,*9 30"SF
Mar 08 2010 31"	17mmT4	MB,ML,EL,BNUC,MHISB,BAR RGN SUSP,ALM UB,KEEP B*	OUT OF FOV,R=G	
NGC 3098			Galaxy S0 sp	PB,S,E85,PSBMN
Feb 25 1984 12.5"	12mm	DIF,VF,MS,EL,FNUC,BM,F* 1 GLXY DIA		
Dec 03 1980 12.5"	24mm			
NGC 3107		H898-2	Galaxy Sbc:	PF,PL,IR,*8NP 112"
Jan 08 2003 12.5"	9mmT6	MB,MS,OVAL,MHISB,B*CLOSE BY,UB		
NGC 3121			Galaxy E	PF,PL,GLBM,*9.5NP
Mar 08 2010 31"	17mmT4	MB,ML,FLNUC,SHISB CNTR,PAIRS=MAC'S,R=G		
NGC 3130			Galaxy S0/a	EF,S,PSBM,*5SF
Mar 08 2010 31"	17mmT4	MF,MS,OVAL,FLNUC,KEEP B* OUT OF FOV,R=F		
NGC 3131			Galaxy SBb:	PB,PS,PME,GBM
Mar 08 2010 31"	17mmT4	MF,MS,EL,MHISB,IRR IN SHAPE,SOME BIN CNTR,R=F		
NGC 3153		H53-3	Galaxy Scd:	EF,PL,VLE,R,ST INV
Feb 22 2020 36"	17mmT4	MF,ML,EL,PATCH,UB,NND,R=F		
NGC 3162		H43-2	Galaxy SAB(rs)bc	PF,CL,R,VGLBM,R,*INV
Feb 25 1984 12.5"	12mm	DIF,MF,MS,FACE ON,PATCHY,UB,F* TO E SIDE,NND		
Jan 30 1981 12.5"	24mm	DIF,VB,PS,F HALO		
Dec 03 1980 12.5"	24mm			
NGC 3177		H25-3	Galaxy SA(rs)b	CF,S,R,PSBM

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NGC 3177		H25-3	Galaxy SA(rs)b	CF,S,R,PSBM
Feb 25 1984 12.5"	12mm	DIF,MF,PS,R,BM,NO *S		
Jan 30 1981 12.5"	24mm	DIF,EF,ES		
NGC 3185			Galaxy (R)SB(r)a	PF,PL,GMBM
Feb 25 1984 12.5"	12mm	VDIF,VF,MS,PAIR/3190,PATCHY,NND,UB,NO *S		
Jan 30 1981 12.5"	24mm	DIF,PF,PL,F HALO,PAIR/3190/3193		
Dec 03 1980 12.5"	24mm			
NGC 3187			Galaxy SB(s)c pec	VF,E
Mar 06 2010 31"	17mmT4	MF,ML,EDGE ON,UB,NND,TAPERED ENDS,PAIRS=3193/3190,R=G		
Mar 03 1984 12.5"	12mm	NO FIND,PHOTO-BURNHAM'S P1080		
NGC 3190		H44-2	Galaxy SA(s)a pec sp	B,PS,E,PSBMN
Mar 06 2010 31"	17mmT4	VB,VL,EL,BSNUC,TIGHT,R VB NUC,HISB CNTR,MHISB RGN FROM NUC,PAIRS=3183/31878,R=E		
Feb 25 1984 12.5"	12mm	MB,PL,EL,MHISB,CLOSE PAIR/3193/3185		
Jan 30 1981 12.5"	24mm	DIF,PB,PL,EDGE ON,DIM NUC,PAIR/3185/3193		
Dec 03 1980 12.5"	24mm			
NGC 3193		H45-2	Galaxy E2	B,S,VLE,PSLBM,*9NF
Mar 06 2010 31"	17mmT4	EF,VL,R,BLNUC,HISB,GRAN HALO SUR NUC,PAIRS=3190/3187,R=E		
Feb 25 1984 12.5"	12mm	MB,ML,R,BM,F* TO W,MHISB,CLOSE PAIR/3190/3185		
Jan 30 1981 12.5"	24mm	PB,PL,BNUC,DIM HALO,PAIR/3185/3190		
Dec 03 1980 12.5"	24mm			
Jun 10 1980 6"	24mm	JUST BARELY VISIBLE,DID NOT FIND OTHERS IN AREA		
NGC 3196		H348-3	Galaxy	EEF,PS,LE
Feb 21 2020 36"	17mmT4	PF,PS,OVAL,BSNUC,CLOSE TO MAC,R=PF,TIME 11:50PM		
NGC 3204			Galaxy SAB(r)b	EF,PL,GBM
Jan 24 2004 31"	17mmT4	MF,MS,PATCH,UB,NND,R=F		
NGC 3209			Galaxy E	F,S,R,HAS A *
Mar 10 2007 31"	17mmT4	MB,PL,BLNUC,MBM,MHISB CNTR,PAIRS=PGC'S,R=G		
NGC 3216		H330-3	Galaxy E:	VF,PS,R,BM
Feb 25 2004 31"	17mmT4	MB,MS,OVAL,BLNUC,GMBM,HISB CNTR,PAIRS/SVRL MAC'S,R=G		
NGC 3221			Galaxy SB(s)cd: sp	EF,ME,RAY
Feb 25 2004 31"	17mmT4	MB,PL,EDGE ON,FSNUC,SHISB,CNTR BULGE,DUST LANE SUSP,PAIR=PGC30366,R=G		
NGC 3222			Galaxy SB0:	F,LBM,RR,(BIN)
Feb 25 2004 31"	17mmT4	PB,MS,R,BLNUC,HISB CNTR,F* OFF EDGE,R=G		
NGC 3226		H28-2	Galaxy E2: pec	PB,CL,R,DW/3227
Apr 19 2014 36"	17mmT4	MB,ML,R,BSNUC,F GLOW OF ARMS,PAIR=3227,R=G		
Feb 25 1984 12.5"	12mm	MB,PS,BNUC,BM,R,CLOSE PAIR/3227		

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NGC 3226		H28-2	Galaxy E2: pec	PB,CL,R,DW/3227
Jan 30 1981 12.5"	24mm	DIF,PB,PL,EL,FNUC,B HALO,PAIR/3227		
Dec 03 1980 12.5"	24mm	COMP CLOSE,PAIR/3227		
NGC 3227		H29-2	Galaxy SAB(s)a pec	PB,CL,R,DW/3226
Apr 19 2014 36"	17mmT4	MB,ML,OVAL-R,FLNUC,SHISB,FARMS DET,SOME SPR STR SUSP,PAIR=3226,R=G		
Feb 25 1984 12.5"	12mm	MB,MS,EL,BNUC,SBM,CLOSE PAIR/3226,NO *S		
Jan 30 1981 12.5"	24mm	DIF,PB,PL,EL,FNUC,B HALO,PAIR/3226		
Dec 03 1980 12.5"	24mm	COMP CLOSE,PAIR/3226		
NGC 3230			Galaxy S0	PF,PS,SBM*14,*9S19"
Feb 25 2004 31"	17mmT4	PB,MS,OVAL,BSNUC,SHISB,B* ON EDGE,HISB CNTR,GMBM,PAIR=PGC30464,R=G		
NGC 3239		H10-4	Galaxy IB(s)m pec	VF,*9INV NR M
Mar 26 2006 31"	17mmT4	PB,VL,PATCH,SHISB,BH2 REG DET,B* IN GLXY,MHISB PATCHES,MANY COMP,R=G		
NGC 3248		H347-2	Galaxy S0	PB,S,R,PSBM
Feb 22 2020 36"	17mmT4	PB,MS,R,BLNUC,HISB CNTR,R=G		
NGC 3251			Galaxy SB?	VF,PL,3B*SP
Mar 10 2007 31"	17mmT4	VF,VL,EDGE ON,VFSNUC,CNTR BULGE,TAPERED ENDS,PAIRS=MAC'S,R=G		
NGC 3270		H331-3	Galaxy SAB(r)b:	CF,VS,E,GLBM
Mar 21 2020 36"	17mmT4	VB,PL,EL,VBNUC,HISB CNTR,VMBM,FARMS,PATCH,R=G		
NGC 3274		H358-2	Galaxy SABd?	F,PL,R,GLBM,D* F
Feb 21 2020 36"	17mmT4	PF,ML,OVAL,FLNUC,SMWHT BM,R=G,TIME 12:08AM		
Feb 25 1984 12.5"	12mm	VDIF,VF,MS,PATCHY,WIDE TRI OF *S SUR OBJ,UB,NND		
Jan 30 1981 12.5"	24mm	DIF,PF,PL,FNUC,F HALO		
NGC 3279			Galaxy Sd	F,ME
Feb 09 2013 36"	17mmT4	MB,ML,EDGE ON,UB,NND,PA~150,SLT TAPERED ENDS,R=G		
NGC 3287			Galaxy SB(s)d	F,PL,D*P24S,S4'
Mar 03 1984 12.5"	16mm	VDIF,EF,S,PATCH-OVAL,NND,UB,NO *S		
NGC 3299		H54-3	Galaxy SAB(s)dm	EF,CL,R,VGBM,R
Feb 22 2020 36"	17mmT4	VF,PL,PATCH,UB,NND,LOC I N BARREN FOV,R=P		
NGC 3300		H55-3	Galaxy SAB(r)0^:?	CF,CS,R,PMBM,R,AMBST
Feb 25 1984 12.5"	16mm	VDIF,VF,MS,PATCHY,OVAL,SBM		
NGC 3301		H46-2	Galaxy SB0-a	CB,S,LE53,PSBM,R
Feb 25 1984 12.5"	12mm	VDIF,MB,ML,EDGE ON,BNUC,MHISB		
Jan 30 1981 12.5"	24mm	PB,PL,EL,BNUC,DIM HALO		
Dec 03 1980 12.5"	24mm			

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NGC 3303		H66-3	Galaxy Pec	VF,VS,VLE,GLBM,R
Mar 26 2006 31"	17mmT4	PB,PL,PATCH,BLNUC,MHISB,PATCHY,BH2 AREAS,ARM STR,PAIR=PGC31558,R=G		
NGC 3306			Galaxy SB(s)m?	F,S,R
Feb 22 2020 36"	17mmT4	MB,ML,EL-OVAL,UB,NND,R=F		
NGC 3332		H272-1	Galaxy (R)SA0-	VF,S,LE130
Feb 22 2020 36"	17mmT4	PB,MS,OVAL,BLNUC,HISB,R=G		
NGC 3338		H77-2	Galaxy SA(s)c	F,CL,E,VGBM,*7P10S
Feb 25 1984 12.5"	12mm	DIF,MF,PL,B* CLOSE BY,FACE ON,UB,R		
Jan 30 1981 12.5"	24mm	DIF,PB,VL,DIM HALO,PAIR/3346		
Dec 03 1980 12.5"	24mm			
NGC 3346		H7-5	Galaxy SB(rs)cd	CF,VL,R,VGVLBM,ER
Feb 25 1984 12.5"	12mm	VDIF,VF,MS,PATCHY,OVAL,NND		
Jan 30 1981 12.5"	24mm	PB,PL,EL,BNUC,DIM HALO		
Dec 03 1980 12.5"	24mm	FT AND DIF		
NGC 3349			Galaxy Sc	EF,VS
Feb 22 2020 36"	17mmT4	MF,PS,FSNUC,COMP=MAC,PAIR=N3356,R=F		
NGC 3351	M95		Galaxy SB(r)b	B,L,R,PGMBMN
Mar 08 2013 36"	17mmT4	MESSIER MARATHON 2013		
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984 10"	20mm	SAME		
Feb 25 1984 12.5"	12mm	MB,PL,BNUC,F HALO,HISB TOWARDS CNTR		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
Jan 30 1981 12.5"	24mm	VB,VL,BNUC,B HALO		
Dec 03 1980 12.5"	24mm			
NGC 3352			Galaxy S0	PB,S,R,BMN
Apr 12 2023 36"	17mmT4	MF,PS,OVAL,SBNUC,AGC 1185,R=F		
Apr 12 2023 36"	17mmT4	MB,ML,OVAL,LBNUC,FT AHLO ARMS,MBM,MHISB MID,R=FG		
NGC 3356		H107-3	Galaxy Sbc	VF,PS,R,BM,*9S150"
Feb 22 2020 36"	17mmT4	MB,ML,OVAL,FLNUC,PAIR=N3349,R=G		
NGC 3357			Galaxy E+:	F,S,MBM
Mar 21 2020 36"	17mmT4	PF,PS,EL,FSNUC,PAIR=3583,R=F		
NGC 3362			Galaxy SABc	VF,PS,R,LBM,R
Feb 22 2020 36"	17mmT4	MF,PL,PATCH,UB,NND,R=F		
NGC 3367		H78-2	Galaxy SB(rs)c	PB,CL,IR,VGLBM,R,1-3
Feb 25 1984 12.5"	12mm	VDIF,MF,PS,PATCH,UB,2F*S TO W,NND		
Jan 30 1981 12.5"	24mm	DIF,PF,VL,F HALO,PAIR/3377		

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NGC 3368	M96	Galaxy SAB(rs)ab	VB,VL,LE,VSVMBM,R
Mar 08 2013 36"	17mmT4	MESSIER MARATHON 2013	
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 02 1984 10"	20mm	SAME	
Feb 25 1984 12.5"	16mm	MB,PL,EL,BNUC,BM,HISB IN CNTR	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jan 30 1981 12.5"	24mm	DIF,VB,VL,EL,BNUC,B HALO	
Dec 03 1980 12.5"	24mm		
NGC 3370		H81-2 Galaxy SA(s)c	CB,PL,VLE,GBM,R
Feb 25 1984 12.5"	16mm	DIF,MF,MS,PATCHY,UB,NND	
Jan 30 1981 12.5"	24mm	DIF,PF,PS,F HALO	
NGC 3377		H99-2 Galaxy E5-6	VB,CL,LE,SVMBMBN
Feb 25 1984 12.5"	12mm	MB,PS,PATCHY,UB IN CNTR,R	
Jan 30 1981 12.5"	24mm	PB,PL,BNUC,PAIR/3367	
NGC 3379	M105	H17-1 Galaxy E1	VB,CL,R,PSBM,R
Mar 08 2013 36"	17mmT4	MESSIER MARATHON 2013	
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 02 1984 10"	20mm	SAME	
Feb 25 1984 12.5"	16mm	MB,ML,BNUC,R,PAIR/3384/3389	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jan 30 1981 12.5"	24mm	EB,VL,BNUC,PAIR/3384/3389	
Dec 03 1980 12.5"	24mm		
NGC 3384		H18-1 Galaxy SB(s)0-	VB,L,R,PSMBM,2ND OF3
Feb 25 1984 12.5"	16mm	MB,ML,EL,BNUC,BM,PAIR/3379/3389	
Mar 27 1981 12.5"	24mm		
Jan 30 1981 12.5"	24mm	VB,PL,BNUC,F HALO,PAIR/3379/3389	
Dec 03 1980 12.5"	24mm		
NGC 3389		H41-2 Galaxy SA(s)c	F,L,E PF,VGLBM,3RD-3
Feb 25 1984 12.5"	16mm	DIF,MF,ML,EL,PATCHY,UB,NND,PAIR/3379/3384	
Mar 27 1981 12.5"	24mm		
Jan 30 1981 12.5"	24mm	DIF,PF,PL,F HALO,PAIR/3379/3384	
Dec 03 1980 12.5"	24mm		
NGC 3412		H27-1 Galaxy SB(s)0^	B,S,LE135,SMBMN
Feb 25 1984 12.5"	12mm	MB,PS,EL,BNUC	
Jan 30 1981 12.5"	24mm	PB,PS,BNUC	
NGC 3425		H108-3 Galaxy S0	EF,ES,R
Feb 22 2020 36"	17mmT4	MF,PS,R,FLNUC,R=FG	
NGC 3433		H20-3 Galaxy SA(s)c	VF,VL,R,VGBM
Mar 03 1984 12.5"	16mm	NO FIND,SETTING CIRCLES GOOD,TRANSPARANCY GOOD	

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NGC 3434		H497-3	Galaxy SA(r)b	F,PS,R,VGLBM
Mar 21 2020 36"	17mmT4	PF,ML,EL,BSNUC,B*	CLOSE BY,HISB MIIDDLE,PATCH SUR NUC,PAIRS=PGC'S,R=G	
NGC 3437		H47-2	Galaxy SAB(rs)c:	PB,PL,LE120,GBM
Feb 25 1984 12.5"	16mm	DIF,MF,MS,EDGE ON,UB		
Jan 30 1981 12.5"	24mm	PB,PL,EL TO EDGE ON,FNUC,F HALO		
NGC 3454			Galaxy SB(s)c? sp	PF,LE,NP OF 2
Jan 29 2014 36"	17mmT4	MB,ML,EDGE ON,UB,NND,MHISB,B*	BET PAIR,PAIR=3455,SLT TAPERED AT ENDS,R=FG	
NGC 3455		H82-2	Galaxy (R')SAB(rs)b	PF,S,E,GBM,R,SF OF 2
Jan 29 2014 36"	17mmT4	PB,PL,OVAL,UB,NND,B*	BET PAIR,PAIR=3454,R=FG	
Mar 03 1984 12.5"	12mm	EDIF,EF,MS,F* TO N 1 GLXY DIA,PATCHY,NND,UB,OVAL		
NGC 3462		H16-2	Galaxy S0:	VF,VS,VLE,PSBM
Mar 21 2020 36"	17mmT4	VB,VL,OVAL,BLNUC,GRAN PATCH,HISB CNTR,R=G		
NGC 3473		H67-3	Galaxy SBb:	VF,E,BET2*
Mar 21 2020 36"	17mmT4	MB,ML,OCAL,NND,MHISB,* IN EDGE,PAIR=3474,R-G		
NGC 3474			Galaxy S?	VF,PS,R,S OF 3473
Mar 21 2020 36"	17mmT4	MB,ML,OVAL,BNUC,SHISB,GMBM,PAIR=3473,R=FG		
NGC 3475		H332-3	Galaxy Sa	VF,R,GBM,*13N1'ORS2'
Mar 21 2020 36"	17mmT4	MB,ML,PATCH,BNUC,PAIR=MACGMBM,HISB CNTR,PAIR=MAC,R=G		
NGC 3485		H100-2	Galaxy SB(r)b:	F,L,R,GLBM,R
Feb 25 1984 12.5"	12mm	VDIF,VF,MS,EL,F* E EDGE,NND,PATCHY		
Jan 30 1981 12.5"	24mm	DIF,EF,PS,EF HALO,PAIR/3489		
NGC 3489		H101-2	Galaxy SAB(rs)0+	VB,PL,LE80,SMBMN
Feb 25 1984 12.5"	12mm	MB,PS,BNUC,F* OFF ON EDGE,BM		
Jan 30 1981 12.5"	24mm	VB,PL,BNUC,PAIR/3485		
NGC 3491		H21-3	Galaxy S0-:	EF,CS,R,BMN
Mar 21 2020 36"	17mmT4	VB,MS,PATCH,BSNUC,MHISB,HISB CNTR,R=G		
NGC 3495		H498-3	Galaxy Sd:	VF,PL,ME
Mar 03 1984 12.5"	12mm	EDIF,EF,MS,EL,PATCHY,UB,NND,TRI OF *'S SUR GLXY,F*E 1 GLXY DIA		
NGC 3501			Galaxy Scd:	VF,ME NS,GBM,3'LONG
Jan 08 2003 12.5"	9mmT6	PB,PL,EDGE ON,LOC IN BARRON * FIELD,UB,SLT BULGE IN CNTR		
NGC 3506		H22-3	Galaxy Sc:	VF,CS,R,VGV LBM
Mar 03 1984 12.5"	12mm	VDIF,VF,MS,UB,PATCHY-OVAL,NND,NO *'S		
NGC 3507		H7-4	Galaxy SB(s)b	CF,PL,R,SBMS*,*9ATT

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NGC 3507 Jan 08 2003 12.5" 9mmT6	H7-4 VB,VL,BNUC,B*ON EDGE OF GLXY,HISB,S CNTR RGN	Galaxy SB(s)b	CF,PL,R,SBMS*,*9ATT
NGC 3509 Mar 26 2006 31" 17mmT4	H598-3 MF,VL,UB,NND,IRR, S-SHAPED,PATCHY AREAS,R=G	Galaxy SA(s)bc pec	EF,S,(LE)
NGC 3521 Feb 25 1984 12.5" 12mm Jan 30 1981 12.5" 24mm	H13-1 MB,PL,EL,BNUC,VMBM,BSNUC VB,PL,EL,BNUC,DIM HALO	Galaxy SAB(rs)bc	CB,CL,ME140,VSMBMN
NGC 3524 Jan 08 2003 12.5" 9mmT6	H23-3 MB,ML,EL,FNUC,SBM,HISB TOWARDS CNTR,OVAL,PAIR/PGC33588	Galaxy S0/a	F,S,LE,PSBM,2*NPLINE
NGC 3535 Feb 22 2020 36" 17mmT4	H111-3 MF,PS,OVAL,UB,SHISB,R=F	Galaxy SA(s)a pec:	CF,VS,R,BM,R
NGC 3547 Mar 03 1984 12.5" 12mm	H42-2 VDIF,VF,MS,PATCH-OVAL,NND,UB,NO *S	Galaxy Sb:	F,S,LE,VLBM
NGC 3559 Mar 21 2020 36" 17mmT4	H79-3 MF,ML,OVAL,UB,NND,SHISB,R=FG	Galaxy S pec	EF,PS,LE,R
NGC 3567 Mar 21 2020 36" 17mmT4	H89-3 MF,MS,EL,BSNUC,CLOSE PAIR=PGC 34013,R=FG	Galaxy S0 pec	EF,R,SBM,R
NGC 3593 Mar 03 1984 12.5" 12mm Mar 27 1981 12.5" 24mm Jan 30 1981 12.5" 24mm	H29-1 MB,PL,EDGE ON,BNUC,TAPERED ENDS,NO *S,BM PB,PL,EDGE ON,BNUC,DIM HALO,PAIR/3596	Galaxy SA(s)0/a:	B,CL,E90,PSMBM
NGC 3596 Mar 03 1984 12.5" 12mm Jan 30 1981 12.5" 24mm	H102-2 DIF,MB,PL,FNUC,FSNUC,R,TRI OF *S SUR OBJ,SBM DIF,PF,PL,DIM OUTER HALO,PAIR/3593	Galaxy SAB(rs)c	PF,L,R,GLBM
NGC 3599 Jan 08 2003 12.5" 9mmT6	H49-2 DIF,MF,MS,DNUC,R,FACE ON,GMBM,MHISB IN CNTR,SNUC RGN	Galaxy SA0:	B,PS,R,PGMBM
NGC 3605 Mar 06 2010 31" 17mmT4 Mar 03 1984 12.5" 12mm Jan 30 1981 12.5" 24mm	H27-3 MF,MS,EL,FLNUC,GRAD GETS MUCH BM,HISB CNTR,PAIRS=3606/3607/PGC34407,R=G MF,PS,FNUC,PATCHY,SBM,CLOSE PAIR/3607 DIF,EF,ES,F HALO SUSP,PAIR/3607/3608	Galaxy E4-5	F,S,R,SP OF 3
NGC 3607 Mar 06 2010 31" 17mmT4 Mar 03 1984 12.5" 12mm Jan 30 1981 12.5" 24mm Jun 10 1980 6" 24mm	H50-2 VB,VL,OVAL,BLNUC,HISB,PAIRS=3606/3605/PGC34407,R=E VB,ML,BNUC,R,BM,PAIRS/3608/3605 PB,PL,BNUC,PAIR/3605/3608 V DIFF TO FIND, NO GUIDE *S	Galaxy SA(s)0^:	VB,L,R,VMBM,2ND OF 3

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NGC 3608		H51-2	Galaxy E2	B,PL,R,PSBM,3RD OF 3
Mar 10 2007 31"	17mmT4	MF,MS,OVAL,FLNUC,PAIRS=MAC'S,R=F		
Mar 03 1984 12.5"	12mm	MB,ML,BNUC,SLT EL,BM,SVRL *S NE AND NW,PAIR/3607/3605		
Jan 30 1981 12.5"	24mm	DIF,PF,PL,EL,FNUC AND HALO,PAIR/3605/3607		
NGC 3609			Galaxy Sab	PF,S,BM
Mar 25 2020 36"	17mmT4	MF,ML,OVAL,UB,SHISB,R=FG		
Feb 15 2004 31"	17mmT4	MB,MS,OVAL,BSNUC,VF* OFFONE SIDE,GBM,PAIR=3612/PGC34516,R=F		
NGC 3611		H521-2	Galaxy SA(s)a pec	PF,CS,IR,PSMBM,*NP3'
Mar 03 1984 12.5"	12mm	DIF,VF,VS,FNUC,R,BM,B* TO W		
NGC 3612			Galaxy Sdm:	PL,DIF,*10,11NF2'
Feb 15 2004 31"	17mmT4	DIF,VF,MS,PATCH,UB,NND,PAIR=3609,VF* OFF EDGE,R=F		
NGC 3615		H333-3	Galaxy E	CF,VS,SMBM,STEL,POF2
Feb 15 2004 31"	17mmT4	PB,ML,EL,BLNUC,BMBM,MHISB CNTR,PAIRS=3618/PGC34547,R=G		
NGC 3618		H334-3	Galaxy SABb:	VF,S,F OF 2
Feb 15 2004 31"	17mmT4	MF,ML,OVAL,PATCH,UB,NND,PAIRS=3615/PGC34547,R=F		
NGC 3623	M65		Galaxy SAB(rs)a	B,VL,ME165,GBMBN
Mar 08 2013 36"	17mmT4	MESSIER MARATHON 2013		
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Feb 15 2004 31"	17mmT4	EB,EL,EDGE ON,BLNUC,HISB,ARMS AND DUST,M65,BEST SEEN TODATE,R=E		
Mar 03 1984 12.5"	12mm	VB,VL,EDGE ON,BNUC,BARMS,BLNUC,TAPERED ENDS,VMBM,VF* E EDGE,2B*S OPP		
Mar 02 1984 10"	20mm	SAME		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
Jan 30 1981 12.5"	24mm	EB,EL,BNUC,B HALO,PAIR/3627/3626		
Dec 03 1980 12.5"	24mm			
Jun 10 1980 6"	24mm			
Apr 18 1980 6"	24mm	CLOSE PAIR/M66		
NGC 3626		H52-2	Galaxy S0-a	B,S,VLE,SBM
Mar 21 2020 36"	17mmT4	EB,EL-OVAL,VBLNUC,VHISB,HISB HALO,GRAN,VBLNUC,VHISB CNTR,SUDLY VBM,R=E		
Mar 03 1984 12.5"	12mm	MB,PS,BNUC,R,BM		
Jan 30 1981 12.5"	24mm	VB,PS,BNUC,PAIR/M65/M66/3628		
NGC 3627	M66		Galaxy SAB(s)b	B,VL,ME150,MBM,2*NP
Mar 08 2013 36"	17mmT4	MESSIER MARATHON 2013		
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Feb 15 2004 31"	17mmT4	EB,EL-OVAL,BLNUC,B BAR,SPR ARMS DET,DUST DET,HISB,M66, BEST TODATE,R=E		
Mar 03 1984 12.5"	12mm	VB,VL,EDGE ON,BNUC,GBM,VBSNUC,B*NW,FTR * SW		
Mar 02 1984 10"	20mm	SAME		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
Jan 30 1981 12.5"	24mm	EB,EL,EL,BNUC,B HALO,PAIR/3626/3628		
Dec 03 1980 12.5"	24mm			

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NGC 3627	M66	Galaxy SAB(s)b	B,VL,ME150,MBM,2*NP
Jun 10 1980 6"	24mm		
Apr 18 1980 6"	24mm	CLOSE PAIR/M65	
NGC 3628		H8-5 Galaxy Sb pec sp	PB,VL,VME102
Mar 06 2010 31"	17mmT4	EB,EL,EDGE ON UB,SHISB,SVRL F*S IN TIP,DUST LANE,2 HALVES,ONE HALF THICKER THAN OTHER,R=EE	
Mar 03 1984 12.5"	12mm	DIF,MF,PL,EDGE ON,VF*S S OF E ARM,DARK LANES DET,UB,NND	
Mar 27 1981 12.5"	24mm		
Jan 30 1981 12.5"	24mm	DIF,PF,EL,EDGE ON,F HALO,PAIR/M66/M65/3626	
Dec 03 1980 12.5"	24mm		
Jun 10 1980 6"	24mm	BET 2 F*S,SAME FOV AS M65/M66	
NGC 3629		H338-2 Galaxy SA(s)cd:	CF,L,R,VGVLBM
Mar 03 1984 12.5"	12mm	VDIF,VF,MS,F* S EGDE,OVAL,UB,NND	
NGC 3630		H32-2 Galaxy S0 sp	PB,S,R,SMBMN
Mar 03 1984 12.5"	12mm	MF,PS,EL,BNUC,BM	
NGC 3640		H33-2 Galaxy E3	B,PL,R,PSBM
Mar 03 1984 12.5"	12mm	MB,PL,BNUC,R,BM,CLOSE COMP SW	
Jan 30 1981 12.5"	24mm	PB,PS,DNUC	
NGC 3643		Galaxy SB(r)0+: sp	EF,VS
Mar 21 2020 36"	17mmT4	MF,ML,PATCH,UB,NND,R=G	
NGC 3644		Galaxy (R')SBa pec:	VF,VS
Mar 21 2020 36"	17mmT4	MF,ML,EL,PATCH,UB,NND,SHISB,R=FG	
NGC 3645		Galaxy D	PB,S,E,BM
Mar 21 2020 36"	17mmT4	VF,VS,PATCH,UB,NND,R=F	
NGC 3646		H15-3 Galaxy Ring	CF,CL,LE,GBM,SP OF 2
Mar 21 2020 36"	17mmT4	MB,EEL,R,BSNUC,FACE ON,SPR STR,ARMS DEFINITION,SOFT MHISB NUC,R=EE	
Mar 03 1984 12.5"	16mm	VDIF,VF,ML,F* TO W SIDE,OVAL-PATCH,UB,NND	
Jan 30 1981 12.5"	24mm	DIF,PF,VL,FARMS	
NGC 3649		H16-3 Galaxy SB(s)a	VF,PS,R,GBM,NF OF 2
Mar 21 2020 36"	17mmT4	PB,PS,OVAL,BSNUC,HISB,R=FG	
NGC 3651		H335-3 Galaxy E	CF,VS,R,BM,NP OF 2
Apr 26 2008 31"	17mmT4	MF,MS,EL,BLNUC,GMBM,HICKSON 51 CL,R=F	
NGC 3653		H336-3 Galaxy S0?	VF,VS,SF OF 2
Apr 26 2008 31"	17mmT4	MB,MS,EL,BLNUC,SLIGHTLY MBM,MHISB CNTR,HICKSON 51 CL,R=F	
NGC 3655		H5-1 Galaxy SA(s)c:	PB,PS,IR,BM,R

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NGC 3655		H5-1	Galaxy SA(s)c:	PB,PS,IR,BM,R
Mar 03 1984	12.5" 12mm		DIF,MB,PS,MHISB,OVAL,UB	
Jan 30 1981	12.5" 24mm		DIF,PB,VS,DNUC,F HALO	
NGC 3659		H53-2	Galaxy SB(s)m?	CF,S,LE,R
Mar 03 1984	12.5" 12mm		VDIF,MF,MS,PATCHY,OVAL,NND,UB,NO *S	
NGC 3662		H4-4	Galaxy SAB(r)bc pec	VF,S,ATT TO*13M
Mar 25 2020	36" 17mmT4		MB,MS,PATCH,UB,MHISB,SN?,B* JUST OFF CNTR IN NUC,VRB CNTR *,R=G	
NGC 3664			Galaxy SB(s)m pec	PF,BIN
Mar 03 1984	12.5" 12mm		NO FIND,B* IN FIELD	
NGC 3666		H20-1	Galaxy SA(rs)c:	F,E90,*6F34S,5'N
Mar 03 1984	12.5" 12mm		DIF,MF,MS,V EDGE ON,F*N FROM NUC,SBM	
NGC 3670		H337-3	Galaxy SB0/a	VF,VS,R
Mar 21 2020	36" 17mmT4		PB,MS,EL,BNUC,MHISB CNTR,R=G	
NGC 3679		H112-3	Galaxy Sbc	EF,CL,R,R,VNR VB*
Mar 25 2020	36" 17mmT4		MB,MS,OVAL,UB,NND,MHISB,R=FG	
NGC 3681		H159-2	Galaxy SAB(r)bc	B,PS,R,BM
Mar 03 1984	12.5" 12mm		DIF,MF,MS,FNUC,OVAL,SBM,FIRST IN A LINE OF OTHERS	
Jan 30 1981	12.5" 24mm		DIF,PF,PS,DIM HALO,SVRL COMP	
NGC 3684			Galaxy SA(rs)bc	PB,PL,E,VGBM
Mar 03 1984	12.5" 12mm		DIF,MF,PS,FNUC,PATCHY,OVAL,SBM,SVRL COMP	
Jan 30 1981	12.5" 24mm		DIF,PF,PL,DIM HALO,SVRL COMP	
NGC 3686		H28-3	Galaxy SB(s)bc	PB,L,VLE,VGBM,R
Mar 03 1984	12.5" 12mm		DIF,MF,ML,F* IN S ARM,B* TO N,UB,OVAL,NND,VF*SW SIDE,SVRL COMP	
Jan 30 1981	12.5" 24mm		DIF,PF,PL,DIM HALO,SVRL COMP	
NGC 3689		H339-2	Galaxy SAB(rs)c	PB,PL,LE,BM
Mar 03 1984	12.5" 12mm		MF,MS,EL,SBM,CIGAR SHAPE	
NGC 3691		H54-2	Galaxy SBb?	F,PS,LE,R
Mar 03 1984	12.5" 12mm		VDIF,VF,MS,OVAL,PATCHY,UB,NND,F*E 1 GLXY DIA	
Jan 30 1981	12.5" 24mm		DIF,EF,PS,EF HALO DET,SVRL COMP	
NGC 3692		H152-2	Galaxy Sb	F,ME,R
Mar 25 2020	36" 17mmT4		VB,PL,EDGE ON,BSNUC,HISB,TAPERED ENDS,GRADUALLY BM,GRAN,R=GE	
NGC 3697			Galaxy SABb	EF,VS,E90
Apr 26 2008	31" 17mmT4		MF,VL,EL,PATCH,UB,NND,HICKSON 53 CL,R=F	

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NGC 3701		H349-2	Galaxy Sbc	PF,PL,LE
Mar 25 2020 36"	17mmT4	VB,ML,EL,BLNUC,MHISB,R=G		
NGC 3705		H13-2	Galaxy SAB(r)ab	PF,PL,R,VSM,MB,R
Mar 03 1984 12.5"	12mm	MB,ML,EDGE ON,BNUC,BSNUC,SBM,NO *'S		
Jan 30 1981 12.5"	24mm	DIF,PF,PL,EL,FNUC,DIM HALO		
NGC 3710		H350-2	Galaxy E	F,S,*7,8NF 5'
May 14 2010 31"	17mmT4	MF,MS,R,BSNUC,GMBM,R=F		
NGC 3713		H367-2	Galaxy S0-:	F,CS,R,SBMN
Feb 21 2020 36"	17mmT4	MF,MS,OVAL,FLNUC,R=F,TIME 12:57AM		
May 14 2010 31"	17mmT4	MF,MS,OVAL,BLNUC,SHISB CNTR,GBM,R=F		
NGC 3716			Galaxy (R)SAB0^?	VF,VS
May 14 2010 31"	17mmT4	MF,MS,OVAL,FSNUC,GBM,R=F		
NGC 3719			Galaxy SA(rs)bc pec:	VF,NP OF 2
Mar 03 1984 12.5"	12mm	VDIF,VF,VS,R,OVAL,UB,NND,PAIR/3720		
NGC 3720			Galaxy SAa:	VF,SF OF 2
Mar 03 1984 12.5"	12mm	VF,UB,NND,PAIR/3719		
NGC 3728		H351-2	Galaxy Sb	F,S,R,BM
Mar 16 2010 31"	17mmT4	PF,MS,OVAL,BLNUC,MHISB CNTR,R=G		
NGC 3731		H80-3	Galaxy E	VF,VS,R
Mar 16 2010 31"	17mmT4	MF,MS,OVAL,BSNUC,SHISB CNTR,R=F		
NGC 3739			Galaxy Sbc	VF,BET2*12M
Mar 16 2010 31"	17mmT4	MF,ML,EL,UB,NND,CNTR BULGE,TAPERED ENDS,R=F		
NGC 3743			Galaxy E/S0	F,S,R,*9SF 1'
Mar 16 2010 31"	17mmT4	MF,PS,OVAL,BSNUC,R=F		
NGC 3744			Galaxy	EF,S,R,LBM
Mar 16 2010 31"	17mmT4	MF,PS,EL,FSNUC,R=F		
NGC 3745			Galaxy SB(s)0-:	PB,PS,R
Mar 29 2006 31"	17mmT4	VF,VS,VFSNUC,E HICKSON GRP,R=F		
NGC 3746			Galaxy SB(r)b	PB,PS,R
Mar 29 2006 31"	17mmT4	PF,PS,VSNUC,E HICKSON GRP,R=F		
NGC 3748			Galaxy SB0^? sp	PB,PS,R
Mar 29 2006 31"	17mmT4	VF,VS,VFSNUC,E HICKSON GRP,R=F		

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NGC 3750		Galaxy SAB0-?	PB,R,CBM,1ST OF3LINE
Mar 29 2006 31"	17mmT4	PF,PS,R,FSNUC,E HICKSON GRP,R=F	
NGC 3751		Galaxy S0- pec?	F,L,E45
Mar 29 2006 31"	17mmT4	VF,PS,VFSNUC,E HICKSON GRP,R=F	
NGC 3753		Galaxy Sab? sp pec	PB,PL,2ND OF3IN LINE
Mar 29 2006 31"	17mmT4	MF,MS,EL,UB,NND,E HICKSON GRP,R=F	
NGC 3754		Galaxy SBb? pec	VF,R,3RD OF3 IN LINE
Mar 29 2006 31"	17mmT4	PF,VS,R,UB,NND,E HICKSON GRP,R=P	
NGC 3758		Galaxy S?	PB,S,R,BM,*8.5 3'F
Mar 16 2010 31"	17mmT4	MF,MS,OVAL,BSNUC,SHISB CNTR,R=F	
NGC 3761		Galaxy E	VF,S,R,BM
Mar 16 2010 31"	17mmT4	PF,PS,R,FLNUC,VF* IN OUTER HALO,SHISB CNTR,R=F	
NGC 3764		Galaxy S?	F,S,R
Mar 16 2010 31"	17mmT4	MF,MS,OVAL,BLNUC,MHISB CNTR,R=F	
NGC 3765		Galaxy S?	VF,S,R
Mar 16 2010 31"	17mmT4	MB,MS,OVAL,UB,NND,R=F	
NGC 3767		Galaxy (R)SB(r)0^?	VF,S,BM
Mar 16 2010 31"	17mmT4	MF,MS,OVAL,BSNUC,R=F	
NGC 3768		H29-3 Galaxy S0	VF,ES,STELLAR
Mar 16 2010 31"	17mmT4	MB,ML,OAL,BLNUC,HISB CNTR,SOME GRAN HALO,R=G	
NGC 3772		H352-2 Galaxy SBa	VF,S,E,R
Mar 16 2010 31"	17mmT4	MF,ML,EL,FLNUC,SHISB CNTR,R=F	
NGC 3773		H81-3 Galaxy SA0:	CF,CS,R,PSBM
Mar 16 2010 31"	17mmT4	MB,ML,OVAL,BLNUC,HISB CNTR,GRAN HALO,R=G	
Mar 03 1984 12.5"	12mm	VF,ES,STELL WITH FT GLOW,NOT SURE OF FIND	
NGC 3781		Galaxy S?	VF,VS,R,BM
Mar 17 2010 31"	17mmT4	PF,ML,OVAL,BLNUC,GRAD BM,HISB CNTR,R=G	
NGC 3784		Galaxy S?	VF,VS,R,GMBM
Mar 17 2010 31"	17mmT4	MF,ML,EL,UB,NND,V CLOSE COMP=3785,SHISB,R=G	
NGC 3785		Galaxy S0	VF,ES,R,BM
Mar 17 2010 31"	17mmT4	MB,ML,OVAL,FLNUC,V CLOSE COMP=3784,MHISB CNTR,PAIRS=MAC'S,R=G	
NGC 3787		Galaxy S0	VF,VS,R,*15P

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NGC 3787		Galaxy S0	VF,VS,R,*15P
Mar 17 2010 31"	17mmT4	MB,PS,OVAL-R,FLNUC,GRAD MBM,HISB,PAIRS=PGC36133/MAC'S,R=G	
NGC 3790		H109-3 Galaxy S0/a	CF,VS,PME,SBM,1STOF3
May 14 2010 31"	17mmT4	MF,PS,OVAL,BSNUC,BM,PAIR=PGC36189,R=F	
Mar 17 2010 31"	17mmT4	MF,MS,EL,BSNUC,SHISB,PAIRS=3801/3801/PGC36189,R=F	
Mar 06 2010 31"	17mmT4	MF,PS,EL,BSNUC,PAIRS=3801/3802/PGC36189,R=F	
NGC 3798		H340-2 Galaxy SB0	F,CS,LE,STELLAR,R
Mar 17 2010 31"	17mmT4	PB,ML,OVAL,BLNUC,HISB,GRAD BTR CNTR,F GRAN HALO,R=G	
NGC 3799		Galaxy SB(s)b: pec	CF,R,P OF 2
Mar 29 2006 31"	17mmT4	PB,PL,COMP=3800,R,FLNUC,MHISB,SMWHT BM,R=G	
NGC 3800		H103-2 Galaxy SAB(rs)b: pec	F,PS,E,PGLBM,R,FOF 2
Mar 29 2006 31"	17mmT4	VB,VL,EL,PATCH,UB,NND,HISB,COMP=3799,IRR IN SHAPE,R=E	
NGC 3801		H161-2 Galaxy S0?	PF,PL,R,BM,R,2ND OF3
May 14 2010 31"	17mmT4	M,PL,OVAL,FLNUC,MHISB CNTR,PAIRS=3802/3803,R=G	
Mar 17 2010 31"	17mmT4	MB,ML,OVAL,FLNUC,CLOSE COMP=3802,PAIRS=3790/PGC36189,R=G	
Mar 06 2010 31"	17mmT4	MB,ML,OVAL,FLNUC,MHISB CNTR,PAIRS=3802/3790/PGC36189,R=G	
NGC 3802		H30-3 Galaxy S	VF,PS,2VB*P,3RD OF3
May 14 2010 31"	17mmT4	MB,ML,EDGE ON,UB,NND,SLT CNTR BULGE,PAIRS=3801/3803,R=G	
Mar 17 2010 31"	17mmT4	MB,ML,EL,UB,NND,CLOSE COMP=3801,PAIRS=3790/PGC36189,R=G	
Mar 06 2010 31"	17mmT4	MB,ML,EL FNUC,GRAD BM,SHISB CNTR,PAIRS=3601/3790/PGC36189,R=G	
NGC 3803		Galaxy	VF,S,R
May 14 2010 31"	17mmT4	EF,VS,PATCH,THE WORST NGC,TOOK AV A WHILE TO LOCATE THEN HOLDS,PAIRS=3801/3802,R=P	
NGC 3805		H375-3 Galaxy S0-:	CB,CS,R,BM,R
Mar 17 2010 31"	17mmT4	PF,ML,OVAL,BLNUC,GRAN BM,HISB CNTR,R=G	
NGC 3807		Galaxy	VF, S, R (VF*?)
May 14 2010 31"	17mmT4	PF,MS,R,UB,NND,R=F	
Mar 17 2010 31"	17mmT4	DIF,PF,ML,OVAL,NND,R=G	
Mar 06 2010 31"	17mmT4	DIF,PF,MS,OVAL-R,PATCH,UB,NND,R=F	
NGC 3808		H338-3 Galaxy SAB(rs)c: pec	VF,VS
Mar 29 2006 31"	17mmT4	MF,ML,OVAL,UB,NND,SHISB,PAIR=3808A/MAC,R=G	
NGC 3808A		Galaxy I0? pec	
Mar 29 2006 31"	17mmT4	PF,MS,EL,BALONG EQ RGN,PAIR=3808/MAC,R=F	
NGC 3810		H21-1 Galaxy SA(rs)c	B,L,VLE
Feb 22 2020 36"	17mmT4	VB,VL,FLNUC,MHISB,GRAN,R=G	
Mar 03 1984 12.5"	12mm	DIF,MB,ML,OVAL,SBM,NO *S	

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NGC 3810		H21-1	Galaxy SA(rs)c	B,L,VLE
Jan 30 1981 12.5"	24mm	DIF,PB,PL,FNUC,F HALO		
Jun 10 1980 6"	24mm	PB,* HOP FROM BETA		
NGC 3812		H320-3	Galaxy E	CF,VS,R,1STOF3,*6SF
Mar 17 2010 31"	17mmT4	MB,ML,OVAL,BLNUC,HISB,GRAD BTR CNTR,F GRAN HALO,R=G		
NGC 3814			Galaxy S0	VS,NEBS*,P 3815
Mar 17 2010 31"	17mmT4	MF,MS,OVAL,FSNUC,R=F		
NGC 3815		H339-3	Galaxy Sab	CF,S,3RD OF 3
Mar 17 2010 31"	17mmT4	MB,ML,EL,FLNUC,SHISB,R=G		
NGC 3816			Galaxy S0	F,S,BM
Mar 29 2006 31"	17mmT4	MF,ML,OVAL,BLNUC,MBM,SHISB,AGC 1367,R=G		
NGC 3817			Galaxy SB0/a	F,1ST OF 4
May 18 2007 31"	17mmT4	PB,PL,EL,PATCH,BLNUC,F HALO SUR NUC,SHISB CNTR,R=G		
NGC 3819			Galaxy E?	VF,2ND OF 4
May 18 2007 31"	17mmT4	PB,ML,OVAL-R,BSNUC,R=G		
NGC 3820			Galaxy S?	EF,VS,3819 S
May 18 2007 31"	17mmT4	MF,ML,OVAL,PATCH,UB,NND,R=G		
NGC 3821		H376-3	Galaxy (R)SAB(s)ab	VF,CS,R,BM,BET2ST
Mar 29 2006 31"	17mmT4	MB,MS,R,BSNUC,GMBM,MHISB CNTR,AGC 1367,R=G		
NGC 3826		H341-2	Galaxy E	PF,S,R,PSBM,STELLAR
Mar 17 2010 31"	17mmT4	MF,MS,EL-OVAL,BLNUC,GRAD BM,R=F		
NGC 3827			Galaxy S?	F,S,LBM
Mar 17 2010 31"	17mmT4	MB,ML,OVAL,UB,NND,MHISB,R=G		
NGC 3828			Galaxy S	VF,S,DIF
Mar 17 2010 31"	17mmT4	MF,MS,OVAL,FSNUC,PAIR=PGC36431,R=F		
NGC 3830			Galaxy S0	EF
Mar 17 2010 31"	17mmT4	MF,PS,R,FLNUC,PAIRS=PGC36372/PGC36415,R=F		
NGC 3832		H340-3	Galaxy SB(rs)bc	VF,PL,2SUSP NEB NR
Mar 17 2010 31"	17mmT4	PF,ML,OVAL,UB,NND,PATCHY,FACE ON,R=F		
NGC 3834			Galaxy S?	VF,VS,SLBMN*13
Mar 17 2010 31"	17mmT4	MF,MS,OVAL,BSNUC,GRAD BM,R=F		
NGC 3837			Galaxy E	CF,S,R,1ST OF 5

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NGC 3837		Galaxy E	CF,S,R,1ST OF 5
Mar 29 2006 31"	17mmT4	MB,MS,R,BLNUC,MHISB,GMBM,AGC 1367,R=G	
NGC 3839		Galaxy Sdm:	VF,S,R,LBM
May 09 2010 31"	17mmT4	MB,ML,OVAL,FLNUC,SHISB CNTR,PAIR=MAC,R=G	
NGC 3840		Galaxy Sa	F,S,LE
Mar 29 2006 31"	17mmT4	MF,MS,OVAL,BSNUC,AGC 1367,R=F	
NGC 3841		Galaxy S?	CF,S,R,2ND OF 5
Mar 29 2006 31"	17mmT4	MB,PS,R,BSNUC,AGC 1367,R=F	
NGC 3842		H377-3 Galaxy E	F,S,R,VGLBM,3RD OF 5
Mar 29 2006 31"	17mmT4	MB,MS,R,BLNUC,MHISB,GMBM,AGC 1367,R=G	
NGC 3844		Galaxy S0/a	VF,PS,LE
Mar 29 2006 31"	17mmT4	MF,MS,EL,BSNUC,AGC 1367,R=F	
NGC 3845		Galaxy S?	VF,PS,4TH OF 5
Mar 29 2006 31"	17mmT4	MF,MS,R,BSNUC,SBM,AGC 1367,R=G	
NGC 3851		H378-3 Galaxy E	EF,VS,R,5TH OF 5
May 09 2010 31"	17mmT4	MB,PS,R,BSNUC,SUDLY MBM,R=F	
NGC 3853		Galaxy E	S,R,BM
May 09 2010 31"	17mmT4	MB,ML,OVAL,BLNUC,GRAD MBM,HISB CNTR,PAIR=MAC,R=G	
NGC 3857		Galaxy S0?	VF,VS,MBM
Mar 29 2006 31"	17mmT4	MF,MS,OVAL,FLNUC,AGC1367,R=F	
NGC 3859		Galaxy S?	EF,VS,R,LBM,(R)
Mar 29 2006 31"	17mmT4	VF,VS,OVAL,FVSNUC,AGC 1367,R=P	
NGC 3860		H386-3 Galaxy S?	VF,VS,RESOLVABLE
May 09 2010 31"	17mmT4	MB,ML,OVAL,FLNUC,GRAD BM,PAIRS=PGC'S/MAC'S,R=G	
Mar 29 2006 31"	17mmT4	MB,ML,EL-OVAL,FLNUC,SHISB CNTR,AGC1367,R=G	
NGC 3861		Galaxy (R')SAB(r)b	F,S,R,BM
May 09 2010 31"	17mmT4	MB,ML,OVAL,BLNUC,GRAD BM,MHISB CNTR,R=G	
NGC 3862		H385-3 Galaxy E	VF,VS,R,*17N
Mar 29 2006 31"	17mmT4	MB,ML,R,BLNUC,BM,AGC 1367,R=G	
NGC 3864		Galaxy S?	EF,VS,R
May 09 2010 31"	17mmT4	MF,MS,PATCH,UB,NND,PAIRS=3867/3868,R=F	
NGC 3867		Galaxy S?	F,S,IRRR,MBM,S OF 2

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NGC 3867		Galaxy S?	F,S,IRRR,MBM,S OF 2
May 09 2010 31"	17mmT4	MB,ML,EL,BSNUC,GRAD BM,PAIRS=3864/3868,R=G	
NGC 3868		Galaxy S?	VF,VS,R,MBM,N OF 2
May 09 2010 31"	17mmT4	MB,ML,OVAL,BSNUC,GRAD BM,PAIRS=3864/3867,R=G	
NGC 3869		Galaxy Sa	F,S,IR,PSBM
May 09 2010 31"	17mmT4	MB,ML,EL-EDGE ON,BLNUC,L CNTR BULGE,R=G	
NGC 3872		H104-2 Galaxy E5	B,S,R,SMBM*
Mar 03 1984 12.5"	12mm	MF,PS,BNUC,R,BM,NO *S	
NGC 3873		Galaxy E	VF,PS,LE,3875 SF
May 09 2010 31"	17mmT4	MB,ML,EL,BLNUC,SUDLY MBM,HISB CNTR,CLOSE COMP=3875,R=G	
NGC 3875		H387-3 Galaxy S0/a	VF,VS,RESOLVABLE
May 09 2010 31"	17mmT4	MB,ML,OVAL,BLNUC,GRAD MBM,HISB CNTR,CLOSE COMP=3873,R=G	
NGC 3883		H372-3 Galaxy SA(rs)b	VF,CL
May 09 2010 31"	17mmT4	MF,ML,OVAL-R,FSNUC,GRAD BM,L FAINT HALO,R=F	
NGC 3884		H388-3 Galaxy SA(r)0/a	CF,S,IR,GBM,R,*7SP6'
May 09 2010 31"	17mmT4	MB,ML,OVAL-R,FLNUC,KEEP B* OUT OF FOV,GRAD MB,L HALO SUR NUC,PAIRS=OTHERS,R=G	
NGC 3886		Galaxy S0-:	F
May 09 2010 31"	17mmT4	MB,ML,EL-OVAL,BLNUC,MHISB CNTR,R=G	
NGC 3900		H82-1 Galaxy SA(r)0+	B,PL,VLE0,BMN
Mar 03 1984 12.5"	12mm	MB,PL,EL,BNUC,SBM,BET 2B*S	
Feb 12 1983 12.5"	16mm	MF,ML,DNUC,OVAL,BM,TRI OF *S SUR GLXY	
Jan 30 1981 12.5"	24mm	PF,PL,EL,FNUC,F HALO	
NGC 3902		H321-3 Galaxy SAB(s)bc:	F,PS,LE,VGLBM
May 09 2010 31"	17mmT4	MB,PL,OVAL,LVFNUC,PATCHY,ALM UB,R=G	
NGC 3908		Galaxy	F,VS,R,MBM
May 09 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,ONE OF THE WORST NGC'S,R=P	
NGC 3910		Galaxy S0-:	S,R,MBM,*10,11N50"
May 09 2010 31"	17mmT4	MB,MS,OVAL,BLNUC,MHISB,GRAD BM,R=G	
NGC 3911		Galaxy SB?	VF,S,P OF 2
May 09 2010 31"	17mmT4	PF,MS,PATCH,UB,NND,B* ON EDGE,R=F	
NGC 3912		H342-2 Galaxy SAB(s)b? pec	F,PL,R,PGBM
Mar 03 1984 12.5"	12mm	SAME,NO *S	
Feb 12 1983 12.5"	16mm	VDIF,VF,VS,UB,PATCHY,SAME 24MM FIELD WITH 3900	

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NGC 3919		Galaxy E	F,S,R
May 09 2010 31"	17mmT4	MF,MS,BLNUC,PAIR=PGC37039,R=G	
NGC 3920		H341-3 Galaxy S?	NEB,F OF 2
May 09 2010 31"	17mmT4	MB,ML,OVAL,UB,NND,MHISB,R=G	
NGC 3925		Galaxy SAB0/a	VF,VS
May 09 2010 31"	17mmT4	PF,PS,OVAL,FSNUC,R=F	
NGC 3926A		H379-3 Galaxy E/S0	EF,ES,VLE,ER,ST NR
May 09 2010 31"	17mmT4	PF,PS,FSNUC,INTRACT=3926B,SUDLY BM,CAN SEP,PAIR=PGC37096,R=F	
NGC 3926B		H379-3 Galaxy E/S0	EF,ES,VLE,ER,ST NR
May 09 2010 31"	17mmT4	PF,PS,FSNUC,INTRACT=3926A,CAN SEP,PAIR=PGC37096,R=F	
NGC 3929		Galaxy E?	CL,S,ST F,VC
Mar 16 2010 31"	17mmT4	MF,PS,OVAL,BSNUC,R=F	
NGC 3933		Galaxy S?	PF,LE
Mar 16 2010 31"	17mmT4	MB,ML,EL,LNUC,IRR,MHISB CNTR,PAIRS=3934/PGC37134,R=G	
NGC 3934		Galaxy S?	EF,R
Mar 16 2010 31"	17mmT4	MB,ML,OVAL,UB,NND,PAIRS=3933/PGC37134,R=G	
NGC 3937		H389-3 Galaxy S0-:	EF, VS, 3937 F 12S
Mar 16 2010 31"	17mmT4	MB,ML,OVAL,BLNUC,GRAN HALO,HISB CNTR,PAIRS=PGC37192/MAC'S,R=G	
NGC 3940		H380-3 Galaxy E	VF,CS,R
Mar 16 2010 31"	17mmT4	MF,MS,OVAL,BSNUC,GRAD MBM,SHISB CNTR,R=F	
NGC 3943		Galaxy S?	PF,PS,E,*8P24S
Mar 16 2010 31"	17mmT4	MF,MS,OVAL,FLNUC,PAIR=MAC,R=F	
NGC 3944		H322-3 Galaxy S0-:	PF,PS,R,PSBM
Mar 16 2010 31"	17mmT4	MF,MS,OVAL,BSNUC,GMBM,MHISB CNTR,R=FG	
NGC 3946		Galaxy S0/a	VF,VLBM,DIF
Mar 16 2010 31"	17mmT4	PF,PS,OVAL,UB,NND,R=F	
NGC 3947		H403-2 Galaxy (R)SB(rs)b	F,PS,IE,LBM,**P
Mar 16 2010 31"	17mmT4	MF,PL,FLNUC,IRR,PATCHY,SOME SPR STR SUSP,PAIR=MAC,R=G	
NGC 3951		H342-3 Galaxy S?	VF,CS,VLE
Mar 16 2010 31"	17mmT4	MB,MS,OVAL,UB,NND,R=F	
NGC 3954		H381-3 Galaxy E?	EF,R
Mar 16 2010 31"	17mmT4	MF,MS,R,BSNUC,GMBM,HALO,R=F	

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NGC 3964		Galaxy S?	VF,S,E,*10NFATT
Mar 17 2010 31"	17mmT4	MF,MS,OVAL,FLNUC,SHISB CNTR,R=FG	
NGC 3968	H162-2	Galaxy SAB(rs)bc	PB,L,IR,BM,*10 3'NP
Mar 17 2010 31"	17mmT4	MF,ML,OVAL,FSNUC,SOFT NUC,PATCHY ARMS,SPR STR,PAIRS=PGC37426/3973,R=G	
NGC 3973		Galaxy S	EF,ES,*10SF1'
Mar 17 2010 31"	17mmT4	PF,PS,OVAL,UB,NND,CLOSE TO *,PAIRS=3969/PGC37426,R=F	
NGC 3983	H343-2	Galaxy S0/a	CF,CS,R,PSBM
Mar 08 2010 31"	17mmT4	MF,MS,OVAL,BLNUC,MHISB CNTR,R=F	
NGC 3987	H323-3	Galaxy Sb	F,ME
Mar 08 2010 31"	17mmT4	MB,ML,EDGE ON,CIGAR SHAPE,SOME BM,SHISB,SLT CNTR BULGE,PAIRS=NGC'S,R=G	
NGC 3988		Galaxy E	VF,S,R,BM*,P OF 2
Mar 08 2010 31"	17mmT4	MF,PS,BSNUC,BM,R=F	
NGC 3989		Galaxy S?	EF,VS,R
Mar 08 2010 31"	17mmT4	PF,MS,OVAL,UB,NND,PAIRS=NGC'S,R=F	
NGC 3993	H324-3	Galaxy Sb: sp	VF,PS,E,3* NR
Mar 08 2010 31"	17mmT4	MB,ML,EL,UB,NND,PAIRS=NGC'S,R=G	
NGC 3996		Galaxy S?	VF,PL,R,2ST F
Mar 08 2010 31"	17mmT4	MF,MS,OVAL,UB,NND,SHISB,R=FG	
NGC 3997		Galaxy SBb pec	PF,VS,E25,BET 2ST
Mar 08 2010 31"	17mmT4	MB,ML,OVAL,FLNUC,MHISB,PAIRS=NGC'S,R=G	
NGC 3999		Galaxy S0	VF,S
Mar 08 2010 31"	17mmT4	PF,PS,OVAL-R,VFSNUC,R=F	
NGC 4000		Galaxy S?	VF,VS,LE,*8F2',05 SF
Mar 08 2010 31"	17mmT4	MF,MS,EL-EDGE ON,UB,NND,SHISB,R=F	
NGC 4002	H344-3	Galaxy S0?	VF,VS,R,N OF 2
May 14 2010 31"	17mmT4	MB,MS,OVAL,BLNUC,BM,SHISB CNTR,PAIR=4007,R=FG	
Mar 17 2010 31"	17mmT4	MB,ML,EL-OVAL,BLNUC,GRAD BM,PAIR=4007,R=G	
Mar 08 2010 31"	17mmT4	MB,MS,EL-OVAL,FLNUC,PAIR=4007,R=FG	
NGC 4003	H345-3	Galaxy SB0	VF,VS,R,S OF 2
May 14 2010 31"	17mmT4	MB,MS,OVAL,BLNUC,BM,SHISB CNTR,PAIR=4002,R=FG	
Mar 17 2010 31"	17mmT4	MB,ML,EL-OVAL,BLNUC,GRAD BM,PAIR=4002,R=G	
Mar 08 2010 31"	17mmT4	MB,MS,EL-OVAL,LNUC,SHISB CNTR,PAIR=4002,R=FG	
NGC 4004	H354-3	Galaxy Pec	F,VS,R,*12 NEAR

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NGC 4004		H354-3	Galaxy Pec	F,VS,R,*12 NEAR
Feb 21 2020 36"	17mmT4	MF,ML,EL-OVAL,NND,PAIR=IC2982,R=F,TIME 1:08AM		
Mar 08 2010 31"	17mmT4	MB,ML,OVAL,UB,NND,SHISB,R=G		
NGC 4005			Galaxy S?	PF,VS,MBM,*7NP2'
Mar 08 2010 31"	17mmT4	MB,ML,OVAL,FLNUC,MHISB CNTR,BM,R=G		
NGC 4008		H368-2	Galaxy E5	PB,PS,E,PSBM,*INV N
Feb 21 2020 36"	17mmT4	MB,ML,OVAL,BLNUC,HISB CNTR,GRAN HALO,R=G,TIME 1:10AM		
Mar 03 1984 12.5"	12mm	VF,VS,FNUC,FSNUC,SLT EL,F*N SVRL GLXY DIA		
Jan 30 1981 12.5"	24mm	DIF,PF,PS,FNUC,F HALO		
NGC 4011			Galaxy S0	VF,VS,*12NP
Mar 08 2010 31"	17mmT4	PF,PS,PATCH,UB,NND,R=P		
PGC 26695			Galaxy	
Mar 10 2007 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,R=F		
PGC 26830			Galaxy S	
Mar 10 2007 31"	17mmT4	VF,PS,PATCH,UB,NND,KEEP B* OUT OF FOV,PAIRS=PGC'S,AV,R=P		
PGC 26831			Galaxy S?	
Mar 10 2007 31"	17mmT4	PF,MS,PATCH,KEEP B* OUT OF FOV,PAIRS=PGC'S,R=F		
PGC 26842			Galaxy S?	
Mar 10 2007 31"	17mmT4	MF,MS,OVAL,VFSNUC,INTRACT,CANNOT SEP,KEEP B* OUT OF FOV,R=F		
PGC 26844			Galaxy S?	
Mar 10 2007 31"	17mmT4	MF,MS,OVAL,VFSNUC,INTRACT,CANNOT SEP,KEEP B* OUT OF FOV,R=F		
PGC 27115			Galaxy Dwarf	
Mar 17 2018 36"	17mmT4	VF,VS,OVAL,PATCH,*NUC,NND,R=F		
PGC 27138			Galaxy	
Mar 17 2018 36"	17mmT4	MF,PS,OVAL-R,*NUC,FOV * CLOSE BY,R=F		
PGC 27175			Galaxy S	
Jan 20 2004 31"	17mmT4	MF,MS,EDGE ON,UB,NND,SLT BULGE,PAIRS=2914,2911,R=F		
PGC 27405			Galaxy	
Feb 25 2004 31"	17mmT4	PF,MS,PATCH,UB,NND,R=F		
PGC 27434			Galaxy S	
Feb 25 2004 31"	17mmT4	VF,MS,PATCH,UB,PAIR=PGC27435,R=P		
PGC 27435			Galaxy S	
Feb 25 2004 31"	17mmT4	PF,MS,PATCH,UB,PAIR=PGC27434,R=F		

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PGC 27493		Galaxy
Feb 25 2004 31"	17mmT4	PF,VS,R,PAIRS/2943/2941,R=F
PGC 27546		Galaxy SB(r)c: pec
Mar 10 2007 31"	17mmT4	MF,MS,OVAL,BSNUC,V CLOSE COMP=PGC27547,CANNOT SEP,OTHERS,R=F
Feb 25 2004 31"	17mmT4	MF,VS,VBSNUC,SHISB,*NUC,PAIR=2944,R=F
PGC 27547		Galaxy SAB0^: pec
Mar 10 2007 31"	17mmT4	MF,MS,OVAL,BNUC,B* ON TOP OF GLXY,INTRACT=PGC27546,CANNOT SEP,R=F
PGC 27681		Galaxy Sb
Feb 09 2013 36"	17mmT4	VF,MS,EDGE ON,FSNUC,PA~120,CENRAL BULGING,PAIRS=PGC'S,R=F
PGC 27683		Galaxy
Feb 09 2013 36"	17mmT4	MF,PS,OVAL,FLNUC,PAIRS=PGC'S,R=F
PGC 27701		Galaxy L
Feb 09 2013 36"	17mmT4	MF,MS,R,OVAL,BLNUC,MHISB CNTR,*OFF EDGE,R=F
PGC 28478		Galaxy
Mar 10 2007 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIRS=PGC'S/MAC'S,R=F
PGC 28487		Galaxy S?
Mar 10 2007 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIRS=PGC'S/MAC'S,R=F
PGC 28502		Galaxy S?
Mar 10 2007 31"	17mmT4	VF,PS,PATCH,UB,NND,PAIRS=PGC'S/MAC'S,R=F
PGC 28700		Galaxy Scd:
Feb 09 2013 36"	17mmT4	MF,MS,EDGE ON,UB,PA~45,SLT GRADUALLY CNTR BULGE,R=F
PGC 28850		Galaxy Sb
Mar 08 2010 31"	17mmT4	MF,MS,EL,FLNUC,TOUCH=PGC28851,R=F
PGC 28851		Galaxy Sb
Mar 08 2010 31"	17mmT4	PF,PS,PATCH,TOUCH=PGC 28850,R=P
PGC 28868		Galaxy Dwarf Irr
Apr 09 2023 36"	17mmT4	VDIF,EF,ML,PATCH,AV COMES AND GOES,SEVERAL VF*'S IN AND AM GLXY,L DIF PATCH, FARMS DET W/AV,R=P
PGC 28973		Galaxy S
Mar 08 2010 31"	17mmT4	DIF,MF,MS,OVAL,PATCH,UB,NND,R=F
PGC 29372		Galaxy Sb
Mar 08 2010 31"	17mmT4	MF,MS,EL,FLNUC,CLOSE TO B*,R=F

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PGC 29488		Galaxy E3
Mar 08 2010 31"	17mmT4	VDIF,VF,VL,PATCH,UB,LEO I,PATCHY DIF L AREA DET,R=P
PGC 29698		Galaxy Scd:
Feb 09 2013 36"	17mmT4	MF,MS,EDGE ON,FLNUC,PA~100,TAPERED ENDS,GRAD BM,R=F
PGC 30221		Galaxy Sb
Mar 10 2007 31"	17mmT4	MF,ML,EL-EDGE ON,PATCH,UB,NND,PAIRS=PGC'S/3209,R=F
PGC 30263		Galaxy S?
Mar 10 2007 31"	17mmT4	MB,MS,PATCH,UB,NND,MHISB,PAIRS=PGC'S/3209,R=G
PGC 30265		Galaxy
Mar 10 2007 31"	17mmT4	MF,MS,OVAL,FLNUC,PAIRS=PGC'S/3209,R=F
PGC 30305		Galaxy Sc
Mar 10 2007 31"	17mmT4	DIF,VF,ML,OVAL-R,UB,NND,LOCATED IN BARRON FOV,R=F
PGC 30328		Galaxy Sab
Feb 25 2004 31"	17mmT4	MF,MS,EL,FSNUC,SBM,PAIRS/3216,R=F
PGC 30347		Galaxy S0?
Mar 20 2007 31"	17mmT4	VF,VS,OVAL,PATCH,NND,PAIRS=PGC'S/MAC,R=P
PGC 30349		Galaxy S0?
Mar 20 2007 31"	17mmT4	VF,VS,OVAL,PATCH,NND,PAIRS=PGC'S,V CLOSE COMP=PGC30350,BARELY SPLIT,R=P
PGC 30350		Galaxy L
Mar 20 2007 31"	17mmT4	VF,VS,OVAL,PATCH,NND,PAIRS=PGC'S,V CLOSE COMP=PGC30349,BARELY SPLIT,R=P
PGC 30354		Galaxy L
Mar 20 2007 31"	17mmT4	VF,VS,OVA,PATCH,NND,PAIRS=PGC'S,R=P
PGC 30360		Galaxy SB?
Mar 10 2007 31"	17mmT4	PB,MS,OVAL,VBSNUC,B* OR NUC,F HALO SUR B RGN,PAIR=MAC,R=F
PGC 30366		Galaxy C
Feb 25 2004 31"	17mmT4	PF,PS,OVAL,PATCH,PAIR=3221,R=P
PGC 30388		Galaxy S
Mar 10 2007 31"	17mmT4	MB,ML,OVAL-R,BSNUC,MBM,MHISB CNTR,PAIR=MAC,R=G
PGC 30397		Galaxy
Feb 25 2004 31"	17mmT4	MF,MS,OVAL,FSNUC,COMP=MAC,R=F
PGC 30428		Galaxy
Apr 16 2009 31"	17mmT4	PF,PS,OVAL,FLNUC,PAIRS=PGC30433/MAC,R=F

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PGC 30431		Galaxy
Feb 25 2004 31"	17mmT4	PF,VS,OVAL,VFSNUC,ABELL 999,R=F
PGC 30432		Galaxy L
Feb 25 2004 31"	17mmT4	PF,PS,OVAL,FSNUC,ABELL 999,R=F
PGC 30433		Galaxy
Apr 16 2009 31"	17mmT4	VF,VS,PATCH,NND,PAIRS=PGC30428/MAC,R=P
PGC 30456		Galaxy
Feb 25 2004 31"	17mmT4	PF,PS,OVAL,FSNUC,ABELL 999,R=F
PGC 30464		Galaxy S
Feb 25 2004 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,PAIR=3230,R=F
PGC 30563		Galaxy S
Mar 26 2006 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,F* OFF EDGE,MANY COMP,PAIR=3239,R=F
PGC 30564		Galaxy C
Mar 26 2006 31"	17mmT4	MF,MS,EL,BSNUC,MANY COMP,PAIR=3239,R=F
PGC 30573		Galaxy S
Mar 26 2006 31"	17mmT4	MB,MS,OVAL,BLNUC,GMBM,MANY COMP,PAIR=3239,R=F
PGC 30577		Galaxy C
Mar 26 2006 31"	17mmT4	VF,MS,PATCH,UB,NND,MANY COMP,PAIR=3239,R=F
PGC 30585		Galaxy SB?
Mar 26 2006 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,MANY COMP,PAIR=3239,R=F
PGC 30595		Galaxy SABc
Mar 26 2006 31"	17mmT4	VF,MS,OVAL,PATCH,UB,NND,VF* OUTER EDGE,MANY COMP,PAIR=3239,R=F
PGC 30606		Galaxy C
Mar 26 2006 31"	17mmT4	PF,PS,OVAL,FSNUC,MANY COMP,PAIR=3239,R=F
PGC 30616		Galaxy SA(r):
Mar 20 2007 31"	17mmT4	PF,PS,OVAL,FLNUC,CLOSE PAIRS=PGC'S,R=F
PGC 30618		Galaxy Sd
Mar 20 2007 31"	17mmT4	VF,PS,EL-OVAL,NND,TOUCH COMP=PGC30620,CANNOT SEP,PAIRS=PGC'S,R=P
PGC 30619		Galaxy S0?
Mar 20 2007 31"	17mmT4	VF,PS,OVAL,FSNUC,CLOSE PAIRS=PGC'S,R=P
PGC 30620		Galaxy S
Mar 20 2007 31"	17mmT4	EF,VS,EL-R,NND,TOUCH COMP=PGC30618,CANNOT SEP,PAIRS=PGC'S,R=P

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PGC 30818		Galaxy S?
Mar 10 2007 31"	17mmT4	PF,MS,OVAL,UB,NND,PAIRS=MAC,R=F
PGC 30856		Galaxy S?
Mar 10 2007 31"	17mmT4	DIF,VF,VL,OVAL-R,UB,NND,LOCATED IN BARRON FOV,R=F
PGC 31558		Galaxy
Mar 26 2006 31"	17mmT4	MB,PS,BSNUC,BM,SHISB CNTR,PAIR=3303,R=F
PGC 31930		Galaxy SB?
Mar 26 2006 31"	17mmT4	MB,ML,OVAL,PATCH,PATCHY AREAS,VAR B,LNUC AREA,F* OUTER EDGE,R=G
PGC 31937		Galaxy
Mar 26 2006 31"	17mmT4	EF,PS,PATCH,NND,AV,PAIR=PGC31930,R=P
PGC 32380		Galaxy C
Mar 17 2009 31"	17mmT4	PF,PS,OVAL,FSNUC,AGC,R=F
PGC 32586		Galaxy
Mar 21 2020 36"	17mmT4	VF,MS,OVAL,UB,NND,PAIRS=3434/PGC,R=F
PGC 32596		Galaxy
Mar 21 2020 36"	17mmT4	EF,VS,PATCH,AV COMES AND GOES,PAIRS=3434/PGC,R=P
PGC 32963		Galaxy
Mar 16 2010 31"	17mmT4	PF,MS,EL,FSNUC,AGC 1139,R=F
PGC 33000		Galaxy Triple System
Mar 16 2010 31"	17mmT4	MF,MS,OVAL,FLNUC,CLOSE COMPANIONS=MAC'S,AGC 1139,R=F
PGC 33020		Galaxy Sc
Mar 21 2020 36"	17mmT4	MB,MS,OVAL,PATCH,UB,NND,MHISB,R=FG
PGC 33065		Galaxy SB(rs)b?
Mar 16 2010 31"	17mmT4	PF,MS,PATCH,UB,NND,AGC 1139,R=F
PGC 33116		Galaxy Double System
Mar 26 2006 31"	17mmT4	EF,MS,AV,SUSP,VF GLOW DET SUR B* IN COMP,PAIR=MAC,R=P
PGC 33141		Galaxy S R
Mar 26 2006 31"	17mmT4	PF,PS,OVAL,FSNUC,VF* SUSP IN GLXY,R=F
PGC 33333		Galaxy Sd?
Mar 10 2007 31"	17mmT4	VF,VL,EDGE ON,UB,NND,F* OFF ONE END,CNTR BULGE,R=F
PGC 33588		Galaxy
Jan 08 2003 12.5"	9mmT6	EDIF,EF,ES,PATCH,COMES AND GOES,*,PAIR/3524

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PGC 33636		Galaxy
Mar 17 2007 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=MAC,R=P
PGC 33660		Galaxy IBm:
Mar 17 2007 31"	17mmT4	VDIF,EF,ML,EL-EDGE ON,UB,NND,AV,V HARD TO FIND,AV FIRST THEN HOLDS,R=P
PGC 33670		Galaxy SAB0- pec
Mar 17 2007 31"	17mmT4	MF,MS,R,VBSNUC,CAN JUST SPLIT THE TWO,PAIR=PGC33677,R=F
PGC 33677		Galaxy SAB(r)0+ pec
Mar 17 2007 31"	17mmT4	PF,PS,R,FSNUC,CAN JUST SPLIT THE TWO,PAIR=PGC33670,R=F
PGC 33698		Galaxy S
Mar 17 2007 31"	17mmT4	VF,MS,PATCH,UB,NND,PAIRS=PGC'S,R=P
PGC 33855		Galaxy Sb? pec
Mar 17 2007 31"	17mmT4	MB,ML,EL,UB,NND,MHISB,COMP=PGC33862,R=G
PGC 33862		Galaxy Sb? pec sp
Mar 17 2007 31"	17mmT4	MB,PL,OVAL,UB,NND,MHISB,COMP=PGC33855,R=G
PGC 34013		Galaxy S0?
Mar 21 2020 36"	17mmT4	PF,PS,PATCH,FSNUC,PAIR=3567,R=F
PGC 34176		Galaxy Dwarf Ellip
Apr 09 2023 36"	17mmT4	EDIF,CANNOT DET,BARREN FOV,LOC GOOD,NO FIND,R=P
PGC 34407		Galaxy E/S0
Mar 06 2010 31"	17mmT4	PF,MS,PATCH,UB,NND,PAIRS=3606/3607/3605,R=F
PGC 34516		Galaxy L
Feb 15 2004 31"	17mmT4	DIF,VF,PS,PATCH,UB,NND,PAIR=3609/MAC,R=P
PGC 34547		Galaxy C
Feb 15 2004 31"	17mmT4	MF,PS,OVAL,*NUC OR *,PAIRS=3615/3618,R=F
PGC 34639		Galaxy
Mar 17 2007 31"	17mmT4	MF,PS,OVAL,PATCH,FSNUC,PAIRS=PGC/MAC'S,R=F
PGC 34651		Galaxy E pec:
Mar 17 2007 31"	17mmT4	MF,PS,OVAL,PATCH,*NUC,* IN OR SUR NUC,PAIRS=PGC/MAC'S,R=F
PGC 34689		Galaxy SA(s)c
Mar 17 2007 31"	17mmT4	MF,ML,OVAL,PATCH,UB,NND,R=F
PGC 34881		Galaxy S0?
Apr 26 2008 31"	17mmT4	MF,MS,OVAL-R,BSNUC,SHISB CNTR,HICKSON 51 CL,R=P

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PGC 34899		Galaxy S0?
Apr 26 2008 31"	17mmT4	EF,ES,ON TOP OF 3651,BURRIED IN NUC,HICKSON 51 CL,R=P
PGC 34901		Galaxy Star ??
Apr 26 2008 31"	17mmT4	EF,ES,*NUC,COMES AND GOES WITH AV,HICKSON 51 CL,R=P
PGC 34907		Galaxy S?
Apr 26 2008 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,HICKSON 51 CL,R=P
PGC 35178		Galaxy S
Apr 26 2008 31"	17mmT4	NO FIND,LOC GOOD,HICKSON 52 CL,R=P
PGC 35179		Galaxy S
Apr 26 2008 31"	17mmT4	EF,VS,PATCH,AV,SUSP,HICKSON 52 CL,R=P
PGC 35183		Galaxy SB?
Apr 26 2008 31"	17mmT4	VF,PS,EL,HICKSON 52 CL,R=P
PGC 35184		Galaxy S
Apr 26 2008 31"	17mmT4	EF,VS,PATCH,AV,HICKSON 52 CL,R=P
PGC 35355		Galaxy S?
Apr 26 2008 31"	17mmT4	VF,MS,OVAL,UB,NND,HICKSON 53 CL,R=P
PGC 35360		Galaxy S0?
Apr 26 2008 31"	17mmT4	PF,MS,R,BM,*NUC,SHISB CNTR,HICKSON 53 CL,R=F
PGC 35380		Galaxy S?
Apr 26 2008 31"	17mmT4	VF,VS,PATCH,UB,ALL 3 APPEAR AS A SINGLE EDGE ON,CANNOT SEP,HICKSON 54,R=P
PGC 35381		Galaxy S
Apr 26 2008 31"	17mmT4	EF,PS,EL,UB,NND,HICKSON 53 CL,R=P
PGC 35384		Galaxy S
Apr 26 2008 31"	17mmT4	EF,ES,PATCH,UB,ALL 3 APPEAR AS A SINGLE EDGE ON,CANNOT SEP,HICKSON 54,R=P
PGC 35385		Galaxy S
Apr 26 2008 31"	17mmT4	NO FIND,TOO F,LOC GOOD,HICKSON 54 CL,CLOUDS JUST MOVED IN,R=P
PGC 35485		Galaxy
Mar 17 2007 31"	17mmT4	VF,MS,EL,PATCH,UB,NND,F* IN EDGE,PAIRS=IC701/PGC/MAC,R=P
PGC 35498		Galaxy SB
Mar 17 2007 31"	17mmT4	MF,MS,EL,PATCH,NND,SHISB,R=F
PGC 35514		Galaxy
May 14 2010 31"	17mmT4	PF,PS,OVAL,UB,NND,PAIR=MAC,R=F

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PGC 35548		Galaxy S R
Mar 17 2007 31"	17mmT4	MF,MS,R,UB,FLNUC,SMWHT PATCHY IN CNTR,PAIRS=IC701/PGC/MAC,R=F
PGC 35588		Galaxy S0?
May 14 2010 31"	17mmT4	MF,MS,OVAL,BSNUC,R=F
PGC 35589		Galaxy S
May 14 2010 31"	17mmT4	PF,PS,OVAL,UB,NND,R=F
PGC 35991		Galaxy Sd
Mar 16 2010 31"	17mmT4	PF,ML,EDGE ON,NND,SOME CNTR BULGING,R=F
PGC 36010		Galaxy L
Mar 29 2006 31"	17mmT4	EF,ES,AV,E HICKSON GRP,R=P
PGC 36133		Galaxy
Mar 17 2010 31"	17mmT4	MF,MS,EL,BSNUC,PAIRS=3787/MAC'S,R=F
PGC 36189		Galaxy S
May 14 2010 31"	17mmT4	VF,VS,EDGE ON,NND,S SLIVER,TOOK AV TO LOCATE THEN DIRECT,PAIR=3790,R=P
Mar 17 2010 31"	17mmT4	EF,VS,PATCH,TOOK AV A WHILE THEN HOLDS,PAIRS=3801/3802/3790,R=P
Mar 06 2010 31"	17mmT4	EF,VS,PATCH,UB,AV TOOK A WHILE,HARD TO HOLD,PAIRS=3790/3801/3802,R=P
PGC 36194		Galaxy S?
Mar 29 2006 31"	17mmT4	MF,MS,OVAL,FLNUC,LOC IN BARRON FOV,PAIR=PGC36195,R=F
PGC 36195		Galaxy S?
Mar 29 2006 31"	17mmT4	MF,MS,OVAL,UB,NND,SHISB,PAIR=PGC36194,R=F
PGC 36293		Galaxy SBbc
Mar 29 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,B* ON EDGE,F NEB PATCH NEXT TO *,AGC 1367,R=P
PGC 36294		Galaxy SB0/a?
Mar 29 2006 31"	17mmT4	MF,MS,EL-OVAL,BSNUC,PAIRS=PGC36295/MAC,R=F
PGC 36295		Galaxy E?
Mar 29 2006 31"	17mmT4	MF,MS,OVAL,LVFNUC,PAIRS=PGC36294/MAC,R=F
PGC 36321		Galaxy S0
Mar 29 2006 31"	17mmT4	VF,MS,R,FSNUC,PAIR=PGC36355,R=F
PGC 36323		Galaxy
Mar 29 2006 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,AGC 1367,R=F
PGC 36328		Galaxy S?
Mar 29 2006 31"	17mmT4	VF,VS,OVAL,PATCH,NND,AGC 1367,R=F

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PGC 36330		Galaxy
Mar 29 2006 31"	17mmT4	PF,PS,EDGE ON,PATCH,UB,NND,VF* IN TIP,AGC 1367,R=F
PGC 36342		Galaxy S?
Mar 29 2006 31"	17mmT4	MF,PS,EL,PATCH,UB,NND,R=F
PGC 36349		Galaxy S?
Mar 29 2006 31"	17mmT4	MF,MS,EL,FLNUC,AGC 1367,R=F
PGC 36355		Galaxy IBm
Mar 29 2006 31"	17mmT4	MF,PL,EDGE ON,PATCH,UB,NND,SHISB,CNTR BULGE,CIGAR SHAPE,PAIR=PGC36321,R=G
PGC 36371		Galaxy S?
Mar 29 2006 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,AGC 1367,R=F
PGC 36372		Galaxy Sab
Mar 17 2010 31"	17mmT4	MF,PS,EL,FSNUC,PAIRS=3830/PGC36415,R=F
PGC 36377		Galaxy Sab
Mar 29 2006 31"	17mmT4	PF,PS,OVAL,VBSNUC,ALM *NUC,AGC 1367,R=F
PGC 36379		Galaxy
Mar 29 2006 31"	17mmT4	MF,MS,FSNUC,F* ON EDGE,PAIR=PGC36392,R=F
PGC 36382		Galaxy
Mar 29 2006 31"	17mmT4	DIF,VF,VS,PATCH,UB,NND,AGC 1367,R=P
PGC 36392		Galaxy Sb
Mar 29 2006 31"	17mmT4	VF,PS,UB,PATCH,NND,PAIR=PGC36379,R=P
PGC 36402		Galaxy S0/a
Mar 17 2010 31"	17mmT4	MF,MS,EL,BSNUC,PAIR=IC2951,R=F
PGC 36406		Galaxy
Mar 29 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,AGC 1367,R=F
PGC 36415		Galaxy
Mar 17 2010 31"	17mmT4	MF,PS,R,FLNUC,PAIRS=PGC36372/3830,R=F
PGC 36431		Galaxy Sb
Mar 17 2010 31"	17mmT4	MF,ML,EDGE ON,UB,NND,PAIR=3828,R=F
PGC 36458		Galaxy
Mar 17 2007 31"	17mmT4	MB,MS,EL,BLNUC,PAIRS=PGC/MAC,R=F
PGC 36465		Galaxy S0?
Mar 29 2006 31"	17mmT4	VF,MS,OVAL,NND,AGC 1367,R=F

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PGC 36466		Galaxy Im:
Mar 29 2006 31"	17mmT4	MF,ML,EDGE ON,UB,NND,SHISB,THIN SLIVER,AGC 1367,R=G
PGC 36468		Galaxy
Mar 29 2006 31"	17mmT4	VF,PS,R,NND,AGC 1367,R=P
PGC 36478		Galaxy
Mar 17 2007 31"	17mmT4	VF,MS,EL,UB,NND,VF* IN GLXY SUSP,PAIRS=PGC/MAC,R=F
PGC 36480		Galaxy
Mar 29 2006 31"	17mmT4	MF,PS,R,FSNUC,AGC 1367,R=F
PGC 36486		Galaxy S?
Mar 29 2006 31"	17mmT4	MF,MS,OVAL,FSNUC,AGC 1367,R=F
PGC 36494		Galaxy
Mar 29 2006 31"	17mmT4	MF,MS,R,FSNUC,AGC 1367,R=F
PGC 36502		Galaxy S
Mar 29 2006 31"	17mmT4	MF,PS,OVAL,FSNUC,AGC 1367,R=F
PGC 36503		Galaxy S
Mar 29 2006 31"	17mmT4	MF,MS,OVAL,FLNUC,AGC 1367,R=F
PGC 36510		Galaxy L
Mar 29 2006 31"	17mmT4	MF,MS,OVAL,FSNUC,AGC 1367,R=F
PGC 36511		Galaxy S
Mar 17 2007 31"	17mmT4	MF,MS,PATCH,UB,SHISB,NND,PAIRS=PGC/MAC,R=F
PGC 36512		Galaxy S
Mar 17 2007 31"	17mmT4	PF,PS,R,VFSNUC,PAIRS=PGC/MAC,R=F
PGC 36525		Galaxy SB?
Mar 29 2006 31"	17mmT4	MF,PS,FSNUC,AGC 1367,R=F
PGC 36526		Galaxy
Mar 17 2007 31"	17mmT4	MF,MS,OVAL,FSNUC,V CLOSE COMP=MAC,R=F
PGC 36544		Galaxy S0
Mar 17 2007 31"	17mmT4	MF,MS,ELOGN,BSNUC,PAIRS=PGC'S/MAC,R=F
PGC 36547		Galaxy I?
May 09 2010 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,PAIR=IC727,R=P
PGC 36565		Galaxy
May 09 2010 31"	17mmT4	VF,VS,PATCH,PAIRS=3860/OTHERS,R=P

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PGC 36565		Galaxy
Mar 29 2006 31"	17mmT4	VF,PS,PATCH,UB,NND,AGC 1367,R=F
PGC 36566		Galaxy
May 09 2010 31"	17mmT4	PF,VS,PATCH,FLNUC,PAIRS=3860/OTHERS,R=F
Mar 29 2006 31"	17mmT4	PF,MS,R,FSNUC,AGC 1367,R=F
PGC 36574		Galaxy S?
Mar 17 2007 31"	17mmT4	MB,ML,OVAL,PATCH,BSNUC,*NUC,PAIRS=PGC'S/MAC'S,R=G
PGC 36575		Galaxy
Mar 29 2006 31"	17mmT4	VF,PS,PATCH,UB,NND,AGC 1367,R=F
PGC 36586		Galaxy
Mar 29 2006 31"	17mmT4	PF,MS,EL-EDGE ON,UB,NND,BFIELD * CLOSE BY,AGC 1367,R=F
PGC 36589		Galaxy S?
May 09 2010 31"	17mmT4	PF,VS,OVAL,FLNUC,PAIRS=3860/PGC'S/MAC'S,R=F
Mar 29 2006 31"	17mmT4	MF,MS,OVAL,FSNUC,AGC 1367,R=F
PGC 36598		Galaxy
May 09 2010 31"	17mmT4	PF,VS,OVAL,PATCH,NND,AV FIRST THEN HOLDS,VF* OFF TIP,PAIR=MAC,R=F
PGC 36600		Galaxy C
May 09 2010 31"	17mmT4	MF,VS,ALM *NUC,PAIRS=IC2956/MAC,R=F
PGC 36666		Galaxy S?
May 09 2010 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,R=F
PGC 36704		Galaxy I?
May 09 2010 31"	17mmT4	DIF,PF,ML,OVAL,UB,NND,R=F
PGC 36738		Galaxy
Mar 17 2007 31"	17mmT4	VF,MS,OVAL,PATCH,UB,NND,PAIR=PGC36739,R=P
PGC 36739		Galaxy SB
Mar 17 2007 31"	17mmT4	MF,ML,EL,UB,NND,PAIR=PGC36738,R=F
PGC 36851		Galaxy S
Mar 16 2009 31"	17mmT4	EF,ES,PATCH,AV HARD TO HOLD,R=P
PGC 36853		Galaxy S0?
Dec 28 2008 31"	17mmT4	MF,MS,EL,FLNUC,HICKSON GRP,R=F
PGC 36871		Galaxy S?
Dec 28 2008 31"	17mmT4	VF,MS,EL,PATCH,UB,NND,HICKSON GRP,R=P

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PGC 36932		Galaxy Sd
Jan 29 2014 36"	17mmT4	PF,MS,EDGE ON,PA-0,UB,SMWHT THICKER IN PARTS,NND,R=PF
PGC 37017		Galaxy
May 09 2010 31"	17mmT4	PF,VS,PATCH,UB,NND,R=P
PGC 37018		Galaxy S R
Mar 16 2010 31"	17mmT4	VF,PS,UB,NND,AV FIRST THEN HOLDS,PAIRS=PGC'S,R=P
PGC 37039		Galaxy
May 09 2010 31"	17mmT4	PF,PS,PATCH,NND,PAIR=3919,R=F
PGC 37040		Galaxy S
Mar 16 2010 31"	17mmT4	PF,MS,OVAL,FLNUC,PAIRS=PGC'S,R=F
PGC 37051		Galaxy S?
Mar 16 2010 31"	17mmT4	PF,MS,EL,UB,NND,PAIRS=PGC'S,R=F
PGC 37054		Galaxy
Mar 16 2010 31"	17mmT4	VF,VS,OVAL,UB,NND,PAIRS=PGC'S,R=P
PGC 37075		Galaxy E
Mar 16 2010 31"	17mmT4	PF,PS,EL,FLNUC,R=F
PGC 37096		Galaxy E
May 09 2010 31"	17mmT4	PF,PS,UB,NND,PAIRS=3926A-B,R=F
PGC 37134		Galaxy S
Mar 16 2010 31"	17mmT4	VF,MS,PATCH,UB,PAIRS=3933/3934,R=P
PGC 37192		Galaxy S
Mar 16 2010 31"	17mmT4	PF,PS,OVAL,FLNUC,PAIRS=3937/MAC'S,R=F
PGC 37252		Galaxy
Mar 16 2010 31"	17mmT4	PF,PS,R,FLNUC,R=F
PGC 37426		Galaxy S
Mar 17 2010 31"	17mmT4	PF,PS,EL,VFSNUC,PAIRS=3968/3973,R=G

Lepus - The Hare

IC	407		Galaxy Sc:
	Nov 21 2006	12.5" 12mmT4	VF,MS,OVAL,PATCH,UB,NND,R=F
IC	411		Galaxy S0?
	Nov 21 2006	12.5" 12mmT4	VF,VS,OVAL,PATCH,UB,NND,R=P
IC	416		Galaxy SB(s)c pec:
	Nov 21 2006	12.5" 12mmT4	EF,VS,PATCH,NND,AV,R=P
IC	418		Planetary Neb 4
	Dec 28 2008	31" 17mmT4	VB,PS,R,B CNTR*10M,GRAN NEB,CNTR* GETS LOST IN NEB WITH AV,OIII HELPS LITTLE,R=G
	Oct 31 1980	12.5" 9mm	B BLUE,NICE!!!
IC	433		Galaxy E/S0
	Nov 22 2006	12.5" 12mmT4	EF,VS,PATCH,UB,NND,LOCATED IN BARREN FOV,R=P
IC	438		Galaxy SA(rs)c
	Nov 22 2006	12.5" 12mmT4	DIF,PF,ML,OVAL,PATCH,UB,F* IN EDGE,PAIR=IC2151,R=F
IC	441		Galaxy SB(rs)c
	Nov 22 2006	12.5" 12mmT4	EF,PS,PATCH,AV,R=P
IC	2104		Galaxy (R')SB(s)bc
	Nov 21 2006	12.5" 12mmT4	VF,MS,OVAL,PATCH,UB,NND,R=P
IC	2121		Galaxy SAB(s)0^: pec
	Nov 21 2006	12.5" 12mmT4	DIF,PF,ML,EL,PATCH,UB,NND,R=P
IC	2125		Galaxy S0
	Nov 22 2006	12.5" 12mmT4	EF,VS,PATCH,UB,F* JUST OFF EDGE,R=P
IC	2130		Galaxy SB(s)dm
	Nov 22 2006	12.5" 12mmT4	VF,VS,OVAL,PATCH,NND,R=P
IC	2131		Galaxy
	Nov 22 2006	12.5" 12mmT4	MF,PS,R,BLNUC,SBM,R=F
IC	2132		Galaxy Sa pec:
	Nov 22 2006	12.5" 12mmT4	VF,PS,OVAL,PATCH,UB,NND,R=F
IC	2137		Galaxy SAB(r)ab
	Nov 22 2006	12.5" 12mmT4	PF,PS,OVAL,PATCH,UB,NND,R=F
IC	2143		Galaxy SB(rs)b?
	Nov 22 2006	12.5" 12mmT4	MF,MS,EL,PATCH,UB,NND,R=F
IC	2151		Galaxy SB(s)bc:

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IC 2151		Galaxy SB(s)bc:	
Nov 22 2006 12.5"	12mmT4	VF,VS,PATCH,UB,NND,PAIR=IC438,R=P	
IC 2152		Galaxy (R)SB(r)a:	
Nov 22 2006 12.5"	12mmT4	PF,PS,OVAL,PATCH,UB,NND,R=F	
MAC 0511-1505		Galaxy	
Feb 20 2006 31"	17mmT4	EF,VS,PATCH,AV,SUSP,PAIR=1821,R=P	
NGC 1710		Galaxy SA0-:	VF,VS,R,BMN,*13INV
Nov 21 2006 12.5"	12mmT4	MF,MS,PATCH,BSNUC,R=F	
NGC 1716		Galaxy SAB(s)bc pec	PF,PL,R,GLBM
Nov 21 2006 12.5"	12mmT4	DIF,MF,ML,OVAL,PATCH,UB,NND,R=F	
NGC 1730		Galaxy SB(r)a	F,PS,LE,BET2F*
Nov 21 2006 12.5"	12mmT4	PF,MS,OVAL,FLNUC,SHISB CNTR,R=F	
NGC 1738		Galaxy SB(s)bc pec:	VF,S,E45
Nov 21 2006 12.5"	12mmT4	PF,MS,OVAL,PATCH,UB,NND,V CLOSE COMP=1739,BARELY SEP THE TWO,R=F	
NGC 1739		Galaxy SB(s)bc pec:	EF,VS,LE,INFIELDLAST
Nov 21 2006 12.5"	12mmT4	PF,MS,OVAL,PATCH,UB,NND,V CLOSE COMP=1738,BARELY SEP THE TWO,R=F	
NGC 1744		Galaxy SB(s)d	F,VL,VME,VGVLBM
Nov 21 2006 12.5"	12mmT4	DIF,VF,VL,OVAL,PATCH,UB,NND,VL & DIF,SVRL VF**S IN EDGE,R=G	
NGC 1780		Galaxy (R')SB(r)0^:	EF,ES,GBM
Nov 21 2006 12.5"	12mmT4	VF,MS,PATCH,UB,NND,R=P	
NGC 1781	H268-3	Galaxy (R)SB(s)0^ pec	EF,VS,STELLAR
Nov 21 2006 12.5"	12mmT4	PF,PS,R,FLNUC,R=F	
NGC 1784		Galaxy SB(r)c	PB,PL,VLE,VGBM,AM ST
Oct 24 1981 12.5"	12mm	VDIF,PF,VL,2F**S E AND W SIDE,OVAL,NND	
NGC 1821		Galaxy IB(s)m	VF,VS,LE
Feb 20 2006 31"	17mmT4	MF,PS,R,BSNUC,PAIR=MAC,R=F	
NGC 1832	H292-2	Galaxy SB(r)bc	PB,IR,MBM,C*NF1'
Oct 24 1981 12.5"	12mm	DIF,MF,ML,W OF B*,NND,OVAL,UB,24MM-SBM,MHISB	
Oct 31 1980 12.5"	24mm		
NGC 1886		Galaxy Sbc sp	VF,PL,E240,*8SP40"
Nov 17 2012 36"	17mmT4	MF,ML,EDGO ON,UB,NND,THIN SLIVER,VAR THICKNESS,PA~60,R=FG	
Nov 21 2006 12.5"	12mmT4	PF,ML,EDGE ON,UB,NND,R=G	

Lepus - The Hare

NGC 1888		H289-2	Galaxy SB(s)c pec	PB,PL,R,R
Nov 21 2006 12.5"	12mmT4		MF,ML,EL,UB,NND,INTRACT=1889,R=F	
NGC 1889			Galaxy E+ pec:	CLOSE D W/1888
Nov 21 2006 12.5"	12mmT4		VF,VS,APPEARS AS A BUMP ALONG THE NUCLEUS OF 1888,R=P	
NGC 1904	M79		Globular	GCL,PL,ERI,EC,RRR
Feb 21 2020 36"	17mmT4		(Class IV),VB,VL,BNUC,MHISB,RSLV TO CORE,VAR MAG *S OUTER FRINGES,CARBON OR ORANGE VF* NE DEAD CNTR OF NUC,R=E	
Mar 19 2004 12.5"	12mmT4		MESSIER MARATHON 2004	
Mar 02 1984 10"	20mm		SAME	
Oct 24 1981 12.5"	24mm		VB,MLCRSLV,DOZENS OF *S SUR NUC,SPLASHING EFFECT	
Mar 27 1981 12.5"	24mm		MESSIER MARATHON 1981	
Oct 31 1980 12.5"	24mm			
Sep 18 1980 12.5"	24mm			
Sep 09 1980 12.5"	24mm			
NGC 1906			Galaxy Scd	EF,PS,E0,GLBM
Nov 22 2006 12.5"	12mmT4		MF,MS,OVAL,PATCH,UB,NND,SHISB,R=F	
NGC 1954		H590-3	Galaxy SA(rs)bc pec:	VF,S,R,SMBM
Nov 22 2006 12.5"	12mmT4		MF,MS,PATCH,BSNUC,PATCHY AREAS,NOT WELL DEFINED,F*S IN AND SUR GLXY,R=F	
NGC 1957			Galaxy	EF,PS,R,BMN,*15INV
Nov 22 2006 12.5"	12mmT4		VF,VS,R,VFSNUC,R=P	
NGC 1964		H21-4	Galaxy SAB(s)b	F,VS,R,VSVMBM,3*INV
Dec 21 1981 12.5"	16mm		ELMBM,F* IN GLXY TOWARDS B*S	
Dec 21 1981 12.5"	32mm		PF,VS,HISB,*NUC	
Oct 24 1981 12.5"	16mm		DIF,MF,PS,F*W SIDE,GBM,NUC DET,S AND R,APPEARS LIKE E GLXY	
NGC 1979		H240-3	Galaxy SA0:	VF,VS,STELLAR
Nov 22 2006 12.5"	12mmT4		MB,MS,R,BLNUC,MHISB CNTR,R=G	
NGC 1993		H269-3	Galaxy SA(rs)0-:	EF,VS,STELLAR
Nov 22 2006 12.5"	12mmT4		MB,MS,R,FLNUC,GBM,MHISB CNTR,R=G	
NGC 2017			Open Cluster	CL OF L ST
Nov 22 2006 12.5"	12mmT4		VB,PL,~6*S,VAR MAG,LOOSELY SC,SMWHT CL,R=P	
NGC 2073		H241-3	Galaxy SA(rs)0-:	EF,VS,R,GBM
Nov 22 2006 12.5"	12mmT4		MF,MS,R,FLNUC,R=F	
NGC 2076		H267-3	Galaxy S0+: sp	VF,PS,IE,BM
Nov 22 2006 12.5"	12mmT4		PF,ML,OVAL,PATCH,UB,NND,R=F	
NGC 2089		H270-3	Galaxy SAB0-:	VF,ES,STELLAR

Lepus - The Hare

NGC 2089 Nov 22 2006 12.5" 12mmT4	H270-3 MB,MS,EL,FLNUC,R=G	Galaxy SAB0-:	VF,ES,STELLAR
NGC 2106 Nov 22 2006 12.5" 12mmT4	H225-3 MF,ML,EDGE ON,UB,NND,THIN SLIVER,R=G	Galaxy SB(s)0^	VF,S,VLE,GBM
NGC 2124 Nov 22 2006 12.5" 12mmT4	H225-3 MF,ML,EDGE ON,UB,NND,THIN SLIVER,R=G	Galaxy SA(s)b?	EEF,PS,E,R
NGC 2131 Nov 22 2006 12.5" 12mmT4	H264-2 VF,PS,PATCH,UB,NND,VF* IN EDGE,R=P	Galaxy IB(s)m:	VF,PS,R,GBM
NGC 2139 Nov 22 2006 12.5" 12mmT4 Oct 05 2002 12.5" 9mmT6	H264-2 MF,MS,OVAL,PATCH,UB,NND,SHISB,R=G VDIF,MF,PL,PATCH,OVAL,F* OFF ONE SIDE	Galaxy SAB(rs)cd	F,S
NGC 2179 Oct 24 1981 12.5" 12mm	H265-2 DIF,PF,PS,SEEMS TO BE A COMPANION TO THE S,S,SBM,OVAL,PATCH	Galaxy SA(s)0/a	F,PS,VME,GLBM
NGC 2196 Oct 05 2002 12.5" 9mmT6 Dec 03 1980 12.5" 24mm	H265-2 DIF,PF,PL,FNUC,OVAL,SBM	Galaxy (R')SA(s)a	PF,PS,VLE,PMBM,ST NR
PGC 16578 Dec 28 2008 31" 17mmT4	H265-2 VF,PS,OVAL,UB,NND,HICKSON GRP,OTHER=PGC'S,R=F	Galaxy S?	
PGC 16583 Dec 28 2008 31" 17mmT4	H265-2 PF,PS,OVAL,VSF NUC,HICKSON GRP,OTHERS=PGC'S,R=F	Galaxy S0?	
PGC 16584 Dec 28 2008 31" 17mmT4	H265-2 EF,ES,LOC GOOD,SUSP ONLY,HICKSON GRP,R=P	Galaxy S	
PGC 16587 Dec 28 2008 31" 17mmT4	H265-2 EF,VS,PATCH,AV,HICKSON GRP,OTHERS PRESENT,R=P	Galaxy S	
PGC 16611 Dec 28 2008 31" 17mmT4	H265-2 EF,PS,PATCH,AV,R=P	Galaxy	
PGC 16890 Dec 28 2008 31" 17mmT4	H265-2 EF,ES,LOC GOOD,SUSP,PAIR=PGC16891,R=P	Galaxy I	
PGC 16891 Dec 28 2008 31" 17mmT4	H265-2 EF,VS,PATCH,NND,PAIR=PGC16890,R=P	Galaxy	
PGC 16894 Feb 20 2006 31" 17mmT4	H265-2 DIF,VF,VL,PATCH,FLNUC,V* OUTER EDGE,MORE & MORE NEB DET LONGER VIEWED,R=P	Galaxy SAB(rs)cd	

Lepus - The Hare

PGC 17969

Galaxy Sbc: sp

Nov 17 2012 36" 17mmT4 MF,MS,EDGE ON,FLNUC,SLT TAPERED ON ENDS,SMWHT MHISB CNTR,PA~100,R=F

Libra - The Balance

MAC 1521-0726		Galaxy	
Apr 26 2006 31"	17mmT4	VF,ES,PATCH,UB,VSFNCU,ALM * OR *NUC,PAIRS=5917/PGC,R=P	
NGC 5595		H121-3 Galaxy SAB(rs)c	F,PL,R,VGBM,P OF 2
May 02 1981 12.5"	16mm	DIF,PF,PL,EL,FNUC,PAIR/5597	
NGC 5597		H122-3 Galaxy SAB(s)cd	VF,L,VLE,VGLBM,F OF 2
May 02 1981 12.5"	16mm	DIF,VF,PS,F HALO,PAIR/5595	
NGC 5605		H120-3 Galaxy (R')SAB(rs)c p:	VF,PL,R,VGBM
May 02 1981 12.5"	16mm	DIF,VF,PL,DIM HALO	
NGC 5663		Galaxy SA0-:	EF,VS,R,GLBM
Apr 14 2004 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,R=P	
NGC 5664		Galaxy Sa	PF,S,E,GBM
Apr 14 2004 31"	17mmT4	PF,PS,EL,PATCH,UB,NND,R=P	
NGC 5716		H671-3 Galaxy SB(rs)c?	VF,PL,R
Apr 14 2004 31"	17mmT4	DIF,VF,ML,OVAL,PATCH,UB,NND,R=F	
NGC 5728		H184-1 Galaxy SAB(r)a:	PF,PL,PME45,MBM,*10S
May 02 1981 12.5"	16mm	PB,PL,EL ,BNUC,DIM HALO	
NGC 5729		H508-3 Galaxy Sb pec:	F,PL,E,R
Mar 09 2021 36"	17mmT4	MB,VL,EL-EDGE ON,UB,NND,MHISB,3*S OFF ONE SIDE,CIGAR SHAPE,R=G	
NGC 5756		Galaxy (R')SB(s)bc p	PB,PL,PME,GPMBM
May 02 1981 12.5"	16mm	DIF,VF,PL,EL,F HALO	
NGC 5757		H690-3 Galaxy (R)SB(r)b	VF,S,IR,LBM
May 02 1981 12.5"	16mm	DIF,PF,VS,F HALO	
NGC 5768		H373-3 Galaxy SA(rs)c:	F,R,BMFN,S*S
May 02 1981 12.5"	16mm	DIF,MF,VS,DNUC,MF HALO,13TH MAG * WITHIN GLXY BOUNDRIES	
NGC 5791		H691-3 Galaxy E6:	PF,S,R,STELLAR
May 02 1981 12.5"	16mm	DIF,VF,PS,F HALO	
NGC 5792		H683-2 Galaxy SB(rs)b	PB,PL,R,MBM,*8,9NP1'
May 02 1981 12.5"	16mm	DIF,PB,PL,ELDIM HALO,14TH MAG * N SIDE OF GLXY	
NGC 5796		Galaxy E0-1	F,PS*INCENTRE
May 02 1981 12.5"	16mm	PB,VS,BNUC	
NGC 5812		H71-1 Galaxy E0	CB,S,R,SVMBM
May 02 1981 12.5"	16mm	VB,VS,BNUC	

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NGC 5861 May 02 1981 12.5" 16mm	H192-2 DIF,PF,VL,DIM HALO,F GLXY TO S	Galaxy SAB(rs)c	F,L,E,R
NGC 5878 May 02 1981 12.5" 16mm	H736-3 DIF,PF,VL,EDGE ON,FNUC,MF HALO	Galaxy SA(s)b	PB,PL,PME0,PSMBM
NGC 5885 May 02 1981 12.5" 16mm	H116-3 DIF,PF,EL,F HALO,10TH MAG * IN GLXY	Galaxy SAB(r)c	F,CL,R,VGBM
NGC 5897 Jun 25 2019 36" 17mmT4 May 02 1981 12.5" 16mm	H8-6 (Class XII),MB,ML,R,ABOUT 12 BTR *S ON TOP OF L F GLOW OF *S,R=GE PB,EL	Globular XI	GCL,PF,L,VIR,VGBM,
NGC 5898 May 02 1981 12.5" 16mm	H138-3 PF,PS,FNUC,PAIR/5903	Galaxy E0	F,S,R,GBM
NGC 5903 May 02 1981 12.5" 16mm	H139-3 PF,PS,FNUC,PAIR/5898	Galaxy E2	CF,S,R,GPMBM
NGC 5915 May 02 1981 12.5" 16mm	Galaxy SB(s)ab pec DIF,PF,PS,FNUC,F HALO		B,S,R,GLBM,P OF 2
NGC 5917 Apr 26 2006 31" 17mmT4	Galaxy Sb pec? MB,ML,OVAL,FLNUC,F* OFF ONE SIDE,MHISB CNTR,PAIRS=PGC/MAC,R=G		EF,VS,PSBM
PGC 51676 May 30 2014 36" 17mmT4	Galaxy Sc sp EF,VS,EDGE ON,PA~?,AV ONCE OR TWICE,SUSP,LOC GOOD,R=P		
PGC 52809 May 30 2014 36" 17mmT4	Galaxy SB(s)cd: sp VF,ML,EDGE ON,UB,NND,PA~180,CIGAR SHAPE,R=F		
PGC 52935 Apr 26 2006 31" 17mmT4	Galaxy IB(s)m pec EDIF,EF,PL,PATCHY MESS WITH PGC52940,SUSP,R=P		
PGC 52940 Apr 26 2006 31" 17mmT4	Galaxy IB(s)m pec VF,VL,OVAL,PATCHY BLUR,CLOSE COMP SUSP,PAIR=PGC52935,R=F		
PGC 52943 Apr 26 2006 31" 17mmT4	Galaxy VF,VS,OVAL,PATCH,UB,NND,F* IN EDGE OF GLXY,R=F		
PGC 53456 May 30 2014 36" 17mmT4	Galaxy SB(s)cd: sp EF,MS,EGE ON,NND,PA~0,TOOK AV WHILE,HARD TO HOLD,R=P		
PGC 53856 Apr 18 2023 36" 17mmT4	Galaxy VF,PS,PATCH,UB,NND,PAIRS=N3542/N3545A/B,R=PF		
PGC 54817	Galaxy S0 pec		

Libra - The Balance

PGC 54817

Apr 26 2006 31" 17mmT4 MF,ML,PATCH,FLNUC,PATCHY,IRR IN SHAPE,SHISB,PAIRS=5917/MAC,R=F

Galaxy S0 pec

Lupus - The Wolf

NGC 5873

Mar 20 2009 31" 12mmT4 MB,VS,R,V S BLUEISH BALL,NO CNTR*,VF* OFF ONE SIDE,OIII HELP LTL,R=G

Planetary Neb 2

PLN,STELLAR=9.5MAG

NGC 5986

Jun 25 2019 36" 17mmT4 (Class VIII),PB,ML,R,FEW B*S ON TOP OF L F BG OF *S,R=GE

Globular

GCL,VB,L,R,VGBM,*13.

NGC 6026

Mar 20 2009 31" 17mmT4 MF,MS,R,B CNTR RGN,CNTR* 13TH MAG,W/OIII,CNTR* V DIM,MORE NEB DET,R BALL,R=F

Planetary Neb 4

F,S,R,GPMBM,TRI* NP

Lynx - The Lynx

ARP 250		Galaxy
Oct 25 2006 31"	17mmT4	EF,VS,PATCH,UB,NND,PAIR=MAC,BTR THAN THE OTHER,R=P
IC 458		Galaxy S0-:
Feb 01 2005 31"	17mmT4	PB,MS,R,BNUC,HISB CNTR,GMBM,NGC2340 CL,R=G
Jan 30 2005 31"	17mmT4	PB,MS,R,BNUC,GMBM,NGC2340 CL,R=G
IC 459		Galaxy C
Feb 01 2005 31"	17mmT4	PF,PS,OVAL,UB,NND,NGC2340 CL,R=F
IC 460		Galaxy
Feb 01 2005 31"	17mmT4	PF,MS,OVAL,BSNUC,NGC2340 CL,R=F
IC 461		Galaxy S
Feb 01 2005 31"	17mmT4	PF,MS,EL,FLNUC,NGC2340 CL,R=F
IC 464		Galaxy E?
Feb 01 2005 31"	17mmT4	PB,MS,EL,FLNUC,MHISB,NGC2340 CL,R=G
IC 465		Galaxy S?
Feb 01 2005 31"	17mmT4	MB,MS,OVAL,FSNUC,SBM,*NUC,NGC2340 CL,R=F
IC 471		Galaxy E
Dec 07 2005 31"	17mmT4	PB,ML,R,BLNUC,PAIR=IC472,R=F
IC 472		Galaxy SAB(rs)b
Dec 07 2005 31"	17mmT4	MB,PL,OVAL-R,FLNUC,PAIR=IC471,R=F
IC 527		Galaxy S?
Dec 07 2005 31"	17mmT4	PF,PL,OVAL,NND,SMWHT BTR BAR LIKE DET,R=F
IC 2166		Galaxy SAB(s)bc
Feb 17 2004 31"	17mmT4	MB,VL,OVAL,PATCH,LVFNUC,F* OFF ONE SIDE,SLT BM,R=G
IC 2214		Galaxy SBab
Feb 17 2004 31"	17mmT4	MF,ML,R,FSNUC,VF* IN EDGE,FACE ON,SLT BM,R=G
IC 2222		Galaxy
Dec 07 2005 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIRS=PGC/MAC,R=F
IC 2225		Galaxy S0/a
Dec 07 2005 31"	17mmT4	PF,MS,OVAL-R,PATCH,UB,NND,VF* IN GLXY,R=F
IC 2233		Galaxy SB(s)d: sp
Nov 17 2012 36"	17mmT4	MB,ML,EDGE ON,NND,* IN TIP,ONE SIDE BTR THAN OTHER,TAPERED,PA~180,R=G
Nov 24 2003 31"	17mmT4	MF,VL,EDGE ON,UB,NND,* IN EDGE,CNTR BULGE SLT DET,R=E

Lynx - The Lynx

IC	2385		Galaxy Spiral
	Dec 07 2005 31"	17mmT4	MF,PS,R,UB,SHISB,R=F
IC	2400		Galaxy Spiral
	Dec 07 2005 31"	17mmT4	MF,MS,EL,UB,NND,SHISB,R=F
IC	2401		Galaxy S0:
	Dec 07 2005 31"	17mmT4	MF,MS,EL-OVAL,FLNUC,PATCHY,SHISB CNTR,R=F
IC	2405		Galaxy Spiral
	Dec 07 2005 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,SHISB,R=F
IC	2427		Galaxy
	Dec 07 2005 31"	17mmT4	PF,VS,OVAL,PATCH,UB,*NUC SUSP,R=P
IC	2434		Galaxy SB?
	Dec 07 2005 31"	17mmT4	MF,ML,EL-OVAL,PATCH,UB,MHISB,R=F
IC	2461		Galaxy Sb
	Dec 26 2003 31"	17mmT4	MF,MS,EDGE ON,FLNUC,TAPERED ENDS,R=F
JNER	1		Planetary Neb 4
	Mar 06 2010 31"	17mmT4	MF,VL,PATCH,2 AREAS OF PATCHY NEB DET,CNTR*VF,SVRL VF**S IN CNTR RGN,OIII HELPS
	Apr 03 2005 31"	17mmT4	ALOT,MUCH MORE NEB,2 BHALVES,F NEB IN AREA,R=F W/OIII,DIF,VF,PL,OVAL-R,PATCH,NO CNTR *,L AREA OF NEB DET,R=G
MAC	0658+4520		Galaxy
	Feb 17 2004 31"	17mmT4	EDIF,EF,VS,PATCH,AV,SUSB,LOC GOOD,R=P
	Feb 17 2004 31"	17mmT4	VDIF,EF,VS,PATCH,AV,R=P
MAC	0702+5034		Galaxy
	Feb 17 2004 31"	17mmT4	PF,VS,PATCH,NND,COMP=PGC20054,R=P
MAC	0706+5032A		Galaxy
	Feb 17 2004 31"	17mmT4	EDIF,EF,ES,PATCH,AV,R=P
MAC	0708+4832		Galaxy
	Mar 17 2009 31"	17mmT4	EF,ES,PATCH,AV ONLY A FEW TIMES,DOESNOT HOLD,SUSP,AGC,R=P
	Dec 07 2005 31"	17mmT4	EF,VS,PATCH,NND,SUSP,ABELL 569,R=P
MAC	0708+4836		Galaxy
	Mar 17 2009 31"	17mmT4	VF,VS,EL,PATCH,UB,NND,VF* OFF SIDE,AGC,R=P
	Dec 07 2005 31"	17mmT4	VF,VS,PATCH,NND,VF* IN EDGE OF GLXY,ABELL 569,R=P
MAC	0708+4839A		Galaxy
	Mar 17 2009 31"	17mmT4	EF,VS,OVAL,UB,AV,V CLOSE INTRACT COMP=MAC,BARELY SEP THEM,AGC,R=P
	Dec 07 2005 31"	17mmT4	EF,VS,PATCH,CLOSE COMP,ABELL 569,R=P

Lynx - The Lynx

MAC 0708+4839B**Galaxy**

Mar 17 2009 31" 17mmT4 EF,VS,OVAL,UB,AV,V CLOSE INTRACT COMP=MAC,BARELY SEP THEM,AGC,R=P
 Dec 07 2005 31" 17mmT4 EF,VS,PATCH,CLOSE COMP,CANNOT SEP THE TWO,APPEARS AS ONE,ABELL 569,R=P

MAC 0708+4841**Galaxy**

Mar 17 2009 31" 17mmT4 VF,VS,EL,PATCH,UB,AGC,R=P
 Dec 07 2005 31" 17mmT4 EF,VS,PATCH,AV,ABELL 569,R=P

MAC 0708+4845**Galaxy**

Mar 17 2009 31" 17mmT4 VF,VS,OVAL,PATCH,NND,VF* TOUCH GLXY,AGC,R=P
 Dec 07 2005 31" 17mmT4 VF,VS,UB,NND,VF* IN EDGE OF GLXY,ABELL 569,R=P

MAC 0708+4846**Galaxy**

Mar 17 2009 31" 17mmT4 VF,VS,OVAL,PATCH,UB,NND,AGC,R=F
 Dec 07 2005 31" 17mmT4 EF,VS,PATCH,NND,ABELL 569,R=P

MAC 0708+4849**Galaxy**

Mar 17 2009 31" 17mmT4 VF,VS,EL,UB,NND,F* NEXT TO NUC,AGC,R=P
 Dec 07 2005 31" 17mmT4 VF,VS,PATCH,NND,CLOSE TO F*,ABELL 569,R=P

MAC 0709+4824**Galaxy**

Mar 17 2009 31" 17mmT4 EF,VS,PATCH,AV,AGC,R=P

MAC 0709+4832**Galaxy**

Dec 07 2005 31" 17mmT4 VF,PS,OVAL,PATCH,UB,NND,ABELL 569,R=P

MAC 0709+4835**Galaxy**

Mar 17 2009 31" 17mmT4 VF,MS,OVAL,PATCH,UB,NND,AGC,R=P
 Dec 07 2005 31" 17mmT4 EF,VS,PATCH,NND,SUSP,ABELL 569,R=P

MAC 0709+4836**Galaxy**

Dec 07 2005 31" 17mmT4 VF,VS,PATCH,UB,NND,TOOK A WHILE TO BECOME VISIBLE,ABELL 569,R=P

MAC 0709+4843**Galaxy**

Mar 17 2009 31" 17mmT4 VF,ES,UB,ALM *,AGC,R=P

MAC 0709+4844A**Galaxy**

Mar 17 2009 31" 17mmT4 EF,VS,PATCH,AV HOLDS,AGC,R=P

MAC 0709+4844B**Galaxy**

Mar 17 2009 31" 17mmT4 VF,VS,PATCH,UB,NND,AGC,R=P

MAC 0710+4836**Galaxy**

Mar 17 2009 31" 17mmT4 EF,ES,AV,SUSP,VF TRI OF F*S CLOSE BY,AGC,R=P

MAC 0710+4956**Galaxy**

Feb 01 2005 31" 17mmT4 DIF,VF,VS,PATCH,UB,NND,R=P

Lynx - The Lynx

MAC 0710+5009 **Galaxy**
Feb 01 2005 31" 17mmT4 VF,PS,OVAL,UB,NND,NGC2340 CL,R=F

MAC 0710+5014 **Galaxy**
Feb 01 2005 31" 17mmT4 EF,VS,PATCH,UB,AV,NGC2340 CL,R=P

MAC 0710+5015 **Galaxy**
Feb 01 2005 31" 17mmT4 EF,VS,PATCH,UB,AV,NGC2340 CL,R=P

MAC 0711+4949 **Galaxy**
Feb 01 2005 31" 17mmT4 MV,PS,PATCH,UB,NND,B* IN FOV,PAIR=PGC20364,R=F

MAC 0711+5007 **Galaxy**
Feb 01 2005 31" 17mmT4 VF,PS,PATCH,UB,NND,NGC2340 CL,R=F

MAC 0711+5014 **Galaxy**
Feb 01 2005 31" 17mmT4 VDIF,EF,ES,PATCH,AV,SUSB,NGC2340 CL,R=P

MAC 0719+5544 **Galaxy**
Mar 08 2010 31" 17mmT4 VF,VS,PATCH,NND,AGC 576,R=P

MAC 0720+5537 **Galaxy**
Mar 06 2010 31" 17mmT4 EF,VS,PATCH,TOOK AV A WHILE TO FIND,AGC 576,R=P

MAC 0720+5550 **Galaxy**
Mar 06 2010 31" 17mmT4 DIF,EF,VS,PATCH,SUSP,AGC 576,R=P

MAC 0721+5557 **Galaxy**
Mar 08 2010 31" 17mmT4 VF,ES,*NUC,VF* IN CNTR OR * NUC,AGC 576,R=P

MAC 0722+5535 **Galaxy**
Mar 08 2010 31" 17mmT4 EF,ES,*NUC,TOOK AV A WHILE TO LOC,AGC 576,R=P

MAC 0722+5536 **Galaxy**
Mar 08 2010 31" 17mmT4 EF,VS,PATCH,OUTSIDE AGC 576,R=P

MAC 0722+5539 **Galaxy**
Mar 06 2010 31" 17mmT4 EF,VS,SUSP,AGC 576,R=P

MAC 0722+5544 **Galaxy**
Mar 06 2010 31" 17mmT4 EF,PS,PATCH,LOC IN BARRON AREA,SUSP,AGC 576,R=P

MAC 0735+3522 **Galaxy**
Mar 20 2007 31" 17mmT4 VDIF,EF,VS,PATCH,AV,SUSP,PAIRS=PGC21362/MAC,R=P

MAC 0735+3523 **Galaxy**
Mar 20 2007 31" 17mmT4 EF,PS,PATCH,UB,NND,COMP=PGC21362,CAN SPLIT WITH AV,R=P

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MAC 0735+3523 **Galaxy**
 Oct 25 2006 31" 17mmT4 VDIF,EF,VS,PATCH,PAIR=ARP250,R=P

MAC 0748+5439 **Galaxy**
 Feb 01 2005 31" 17mmT4 VDIF,EF,VS,PATCH,NND,AV,PAIR=2446,R=P

MAC 0755+5644A **Galaxy**
 Feb 01 2005 31" 17mmT4 EF,ES,PATCH,UB,AV,ALM *,PAIRS=2458/2461,R=P
 Feb 17 2004 31" 17mmT4 EF,ES,*,R=P

MAC 0757+5240 **Galaxy**
 Feb 17 2004 31" 17mmT4 VDIF,EF,ES,AV,PAIR=PGC22309,R=P

MAC 0758+5250 **Galaxy**
 Feb 17 2004 31" 17mmT4 VF,PS,PATCH,NND,PAIR=PGC22344,R=P

MAC 0758+5323 **Galaxy**
 Mar 06 2010 31" 17mmT4 VF,PS,PATCH,AV FIRST THEN HOLDS,TOUCH=MAC,CANNOT SEP,R=P

MAC 0758+5324 **Galaxy**
 Mar 06 2010 31" 17mmT4 EF,VS,PATCH,CANNOT SEP,TOUCH=MAC,ONE F PATCH,R=P

MAC 0758+5621 **Galaxy**
 Feb 17 2004 31" 17mmT4 PF,ES,PATCH,VSNUC,INTRACT=2468,*NUC,R=P

MAC 0801+5649 **Galaxy**
 Feb 17 2004 31" 17mmT4 VDIF,EF,VS,PATCH,AV,PAIR=PGC22512,R=P

MAC 0801+5654 **Galaxy**
 Feb 17 2004 31" 17mmT4 VF,PS,PATCH,NND,PAIR=PGC22512,R=P

MAC 0801+5656 **Galaxy**
 Feb 17 2004 31" 17mmT4 EDIF,EF,VS,PATCH,AV,GRP WITH 2497,R=P

MAC 0802+5640 **Galaxy**
 Feb 17 2004 31" 17mmT4 VDIF,EF,VS,PATCH,AV,PAIR=PGC22557,R=P

MAC 0803+5332 **Galaxy**
 Feb 17 2004 31" 17mmT4 VDIF,EF,VS,PATCH,R=P

MAC 0805+3727 **Galaxy**
 Dec 07 2005 31" 17mmT4 VF,VS,PATCH,UB,NND,PAIRS=IC2222/PGC'S,R=P

MAC 0807+5109 **Galaxy**
 Feb 01 2005 31" 17mmT4 EF,ES,PATCH,UB,PAIR=2518,R=P

MAC 0809+5753 **Galaxy**

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MAC 0809+5753 **Galaxy**
Feb 01 2005 31" 17mmT4 VF,VS,OVAL,PATCH,UB,NND,PAIRS=PGC22906/PGC22914,R=P

MAC 0813+5808B **Galaxy**
Mar 08 2010 31" 17mmT4 VF,PS,PATCH,UB,VER CLOSE COMP=PGC23063,VF* OFF EDGE=MAC,AGC 634,R=F

MAC 0813+5808C **Galaxy**
Mar 08 2010 31" 17mmT4 VF,ES,*NUC,*,THIS IS THE VF* OFF EDGE OFF MAC0813+5808B,AGC 634,R=P

MAC 0814+5752 **Galaxy**
Mar 08 2010 31" 17mmT4 VF,VS,PATCH,UB,NND,AGC 634,R=P

MAC 0814+5804 **Galaxy**
Mar 08 2010 31" 17mmT4 EF,VS,PATCH,AV ONLY ONCE,AGC 634,R=P

MAC 0814+5805 **Galaxy**
Mar 08 2010 31" 17mmT4 VF,VS,PATCH,AV TAKES A WHILE, HOLDS,AGC 634,R=P

MAC 0814+5812 **Galaxy**
Mar 08 2010 31" 17mmT4 VF,VS,PATCH,FSNUC,AGC 634,R=P

MAC 0814+5816 **Galaxy**
Mar 08 2010 31" 17mmT4 PF,VS,PATCH,FSNUC,OUTSIDE AGC 634,R=F

MAC 0815+5803 **Galaxy**
Mar 08 2010 31" 12mmT4 EF,VS,PATCH,ONLY SUSP,AV ONLY ONCE OR TWICE AFTER A LONG WHILE,AGC 634,R=P

MAC 0815+5805 **Galaxy**
Mar 08 2010 31" 17mmT4 PF,VS,OVAL,UB,NND,AV HOLDS THEN DIRECT,AGC 634,R=P

MAC 0815+5810 **Galaxy**
Mar 08 2010 31" 17mmT4 EF,VS,ONLY AV ONCE,AGC 634,R=P

MAC 0818+5747 **Galaxy**
Feb 17 2004 31" 17mmT4 VF,ES,*LIKE,PAIR=2549,R=P

MAC 0833+4115 **Galaxy**
Oct 25 2006 31" 17mmT4 VF,PS,EL,PATCH,UB,NND,PAIR=PGC23993,R=P

MAC 0845+4428 **Galaxy**
Mar 20 2007 31" 17mmT4 EDIF,EF,VS,PATCH,AV,SUSP,CLOSE TO HICKSON GRP,R=P

MAC 0853+3509B **Galaxy**
Mar 20 2007 31" 17mmT4 PF,PS,OVAL,UB,NND,INTRACT=PGC24981,JUST BARELY SEP THE TWO,R=F

MAC 0859+3910 **Galaxy**
Feb 09 2013 36" 17mmT4 VF,VS,PATCH,AV COMES AND GOES,PAIR=PGC25232,R=P

Lynx - The Lynx

MAC 0915+4412 Galaxy
 Mar 20 2007 31" 17mmT4 EF,ES,PATCH,AV,TOOK A WHILE TO FIND WITH AV,PAIR=PGC26124,R=P

MAC 0916+3426 Galaxy
 Dec 26 2003 31" 17mmT4 EF,VF,PATCH,AV,PAIR=2793,R=P

MAC 0916+4421 Galaxy
 Mar 20 2007 31" 17mmT4 EF,VS,PATCH,NND,AV,AV FIRST THEN HOLDS,PAIR=PGC26132,R=P

MAC 0917+3350 Galaxy
 Mar 17 2009 31" 17mmT4 PF,PS,EL TO EDGE ON,UB,NND,NEXT TO *,AGC,R=P

MAC 0918+3323 Galaxy
 Mar 17 2009 31" 17mmT4 VF,VS,PATCH,NND,AGC,R=P

MAC 0918+3324 Galaxy
 Mar 17 2009 31" 17mmT4 VF,VS,PATCH,NND,AGC,R=P

MAC 0918+3326 Galaxy
 Mar 17 2009 31" 17mmT4 EF,VS,PATCH,NND,AV COMES AND GOES,AGC,R=P

MAC 0918+3329 Galaxy
 Mar 17 2009 31" 17mmT4 EF,VS,PATCH,AV ONCE,AGC,R=P

MAC 0918+3343 Galaxy
 Mar 17 2009 31" 17mmT4 EF,VS,PATCH,AV HOLDS,AGC,R=P

MAC 0918+3344B Galaxy
 Mar 17 2009 31" 17mmT4 VF,VS,PATCH,AGC,R=P

MAC 0918+3355 Galaxy
 Mar 17 2009 31" 17mmT4 EF,VS,PATCH,AV HOLDS,AGC,R=P

MAC 0918+3356 Galaxy
 Mar 17 2009 31" 17mmT4 EF,VS,PATCH,AV COMES AND GOES,AGC,R=P

MAC 0918+3408 Galaxy
 Mar 17 2009 31" 17mmT4 EF,VS,PATCH,AV,SUSP,AGC,R=P

MAC 0919+3323 Galaxy
 Mar 17 2009 31" 17mmT4 VF,VS,PATCH,NND,AGC,R=P

MAC 0919+3325 Galaxy
 Mar 17 2009 31" 17mmT4 VF,VS,PATCH,NND,AGC,R=P

MAC 0919+3338 Galaxy
 Dec 07 2005 31" 17mmT4 VF,VS,PATCH,UB,R=P

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MAC 0919+3343B		Galaxy
Mar 17 2009 31"	17mmT4	EF,ES,PATCH,AV HOLDS,AGC,R=P
MAC 0919+3347		Galaxy
Mar 17 2009 31"	17mmT4	PF,VS,EL,UB,NND,AGC,R=F
MAC 0920+3327		Galaxy
Mar 17 2009 31"	17mmT4	EF,ES,PATCH,TOOK A WHILE WITH AV THEN HOLDS,AGC,R=P
MAC 0920+3330		Galaxy
Mar 17 2009 31"	17mmT4	VF,VS,PATCH,AGC,R=P
MAC 0920+3338		Galaxy
Dec 26 2003 31"	17mmT4	EF,PS,PATCH,UB,NND,R=P
MAC 0920+3339A		Galaxy
Dec 07 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=2834,R=P
Dec 26 2003 31"	17mmT4	PF,PS,OVAL,PATCH,FSNUC,R=F
MAC 0920+3340		Galaxy
Mar 17 2009 31"	17mmT4	EF,VS,PATCH,AV,AGC,R=P
Dec 26 2003 31"	17mmT4	DIF,PF,MS,OVAL,PATCH,UB,NND,R=P
MAC 0920+3346		Galaxy
Dec 26 2003 31"	17mmT4	EF,VS,PATCH,NND,R=P
MAC 0920+3406		Galaxy
Mar 17 2009 31"	17mmT4	VF,VS,VBSNUC,AV ONLY,V CLOSE TO *,AGC,R=P
MAC 0920+3413		Galaxy
Mar 17 2009 31"	17mmT4	EF,VS,PATCH,AV ONCE,AGC,R=P
MAC 0920+3414		Galaxy
Mar 17 2009 31"	17mmT4	EF,VS,PATCH,AV ONCE,AGC,R=P
MAC 0920+3918		Galaxy
Dec 26 2003 31"	17mmT4	DIF,VF,MS,PATCH,UB,NND,PAIR=2838,R=P
MAC 0920+3921		Galaxy
Dec 26 2003 31"	17mmT4	DIF,VF,VS,PATCH,FSNUC,* CLOSE ON EDGE,PAIR=2838,R=F
MAC 0921+3325		Galaxy
Mar 17 2009 31"	17mmT4	PF,VS,OVAL,LVFNUC,AGC,R=F
MAC 0921+3329		Galaxy
Mar 17 2009 31"	17mmT4	VF,VS,EL,PATCH,NND,AGC,R=P

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NGC 2273		Galaxy SB(r)a:	F,S,IR,(R)
Feb 17 2004 31"	17mmT4	PB,ML,OVAL,BSNUC,HISB CNTR,SPR STR SUSP,FACE ON,SUDDENDLY MBM,R=E	
NGC 2273B		Galaxy SB(rs)cd:	
Feb 17 2004 31"	17mmT4	DIF,VF,VL,OVAL,PATCH,NND,B* ON EDGE,SHISB THROT,R=F	
NGC 2308		Galaxy Sab	EF,VS,VF*INV
Feb 17 2004 31"	17mmT4	MF,MS,FLNUC,2F*S BOTH SIDES,SHISB CNTR,R=F	
Feb 17 2004 31"	17mmT4	MB,ML,R,LNUC,SHISB,SOFT NUC,*S BOTH SIDES,R=G	
NGC 2315		Galaxy S0/a	EF
Feb 17 2004 31"	17mmT4	PB,ML,EDGE ON,BLNUC,HISB CNTR,PAIRS=PGC20054/MAC,R=G	
NGC 2320		H861-2 Galaxy E	PB,S,IR,GBM,*8SP
Feb 17 2004 31"	17mmT4	MF,PL,OVAL,BLNUC,HISB CNTR,GMBM,PAIR=2322,R=G	
NGC 2321		Galaxy SBa	VF,12'N OF2320
Feb 17 2004 31"	17mmT4	MF,PL,EL,FLNUC,R=F	
NGC 2322		H874-3 Galaxy SBa:	VF,VS,LE
Feb 17 2004 31"	17mmT4	MB,ML,EL,BLNUC,MHISB CNTR,PAIR=2320,R=F	
NGC 2326		H734-2 Galaxy SB(rs)b	VF,PL,IR,PSMBM,ST P
Feb 17 2004 31"	17mmT4	PF,PL,OVAL,FLNUC,SLT BM,PAIR=2326A,R=F	
NGC 2326A		Galaxy SA(s)m:	
Feb 17 2004 31"	17mmT4	PF,MS,PATCH,UB,NND,PAIR=2326,R=P	
NGC 2329		H735-2 Galaxy S0-:	VF,VS,STELLAR
Dec 07 2005 31"	17mmT4	PB,PL,R,BLNUC,MHISB CNTR,ABELL 569,R=G	
NGC 2330		Galaxy E	VF,VS,VSTELLAR
Jan 30 2005 31"	17mmT4	MF,VS,R,BSNUC,PAIR=2332,R=F	
NGC 2332		H862-2 Galaxy S0:	F,S,R,PSBM
Jan 30 2005 31"	17mmT4	MF,MS,EL,BLNUC,MHISB,PAIR=2330,R=G	
NGC 2337		Galaxy IBm	EF,S,E
Dec 07 2005 31"	17mmT4	PB,ML,EL-EDGE ON,PATCH,UB,SHISB,R=G	
NGC 2340		H736-2 Galaxy E	PF,S,R,GLBM,R
Feb 01 2005 31"	17mmT4	MF,ML,EL,FLNUC,MHISB CNTR,NGC2340 CL,R=G	
Jan 30 2005 31"	17mmT4	MB,VL,EL,PATCH,UB,NND,NGC2340 CL,R=G	
NGC 2344		Galaxy SA(rs)c:	PB,PS,R,LBM
Dec 07 2005 31"	17mmT4	PB,PL,R,BLNUC,SHISB,GMBM INSIDE NUC,R=G	

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NGC 2415		H821-2	Galaxy Im?	PB,CS,R,VGVLM,R,
Nov 24 2003 31"	17mmT4	VF,PL,OVAL,BVLNUC,HISB CNTR,FTR HALO DET,HISB,R=E		
Jan 08 2003 12.5"	9mmT6	PB,ML,BNUC,MHISB,R,2F*S BOTH SIDES,GMBM		
NGC 2419		H218-1	Globular II	PB,PL,LE90,VGBM,*4'F
Feb 21 2020 36"	17mmT4	(Class XI),MB,PL,OVAL-R,UB,V LTL CL IN CNTR,E FOV W/B* CLOSE BY,R=G		
Oct 16 1982 12.5"	16mm	MF,PL,R,UB,SBM,2 B*S POINT TO IT,COUPLE OF F*S SC SUR OBJ		
NGC 2424			Galaxy SB(r)b: sp	VF,PS,ME,LBM,(R)
Nov 17 2012 36"	17mmT4	MB,ML,EDGE ON,BNUC,GRAD MBM,CNTR BULGE,MHISB CNTR,TAPERED ENDS,PA~90,R=FG		
Dec 07 2005 31"	17mmT4	VB,VL,EDGE ON,BSNUC,CNTR BULGE,MHISB CNTR,R=E		
NGC 2426		H822-2	Galaxy E	CF,R,VGBM,R,*8P
Feb 01 2005 31"	17mmT4	VB,ML,R,BNUC,HISB,GMB,BCORE WELL DEFINED,PAIRS=2429/2429B,R=E		
NGC 2429			Galaxy S?	PF,PS,VME,*12ATT
Feb 01 2005 31"	17mmT4	MB,MS,EDGE ON,FSNUC,MHISB,INTRACT=2429B,* IN TIP,BKN AREAS,R=G		
NGC 2429B			Galaxy Sbc	
Feb 01 2005 31"	17mmT4	EF,VS,INTRACT=2429,PATCH,AV,R=P		
NGC 2431		H829-3	Galaxy (R')SB(s)a:	EF,VS,R,BM
Feb 01 2005 31"	17mmT4	MF,MS,R,FSNUC,GRAD BM,SHISB CNTR,R=F		
NGC 2444			Galaxy Ring A	VF,MBM
Dec 07 2005 31"	17mmT4	PB,ML,OVAL,BLNUC,V CLOSE PAIR,MHISB CNTR,PAIR=2445,R=G		
NGC 2445			Galaxy Ring B	VF,MBM,S*ATT S
Dec 07 2005 31"	17mmT4	MF,MS,PATCH,SNUC,V CLOSE PAIR,PAIR=2444,V* CLOSE TO EDGE,R=F		
NGC 2446			Galaxy Sb	F,AM4*
Feb 01 2005 31"	17mmT4	MF,MS,EL,BSNUC,MHISB,SBM,2*S BOTH SIDES,KNOTS,PATCHY AREAS,MAC,R=G		
NGC 2456			Galaxy E	VF,R,VGBM
Feb 01 2005 31"	17mmT4	MF,PL,R,FLNUC,SOFT NUC,R=G		
NGC 2457			Galaxy Sbc	F,PL,R,2456SP
Feb 01 2005 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,PAIRS=PGC22161/PGC22172,R=P		
NGC 2458			Galaxy	VF,*12CLOSE
Feb 01 2005 31"	17mmT4	MF,PS,OVAL,PATCH,UB,NND,PAIRS=2461/MAC,R=F		
NGC 2461			Galaxy E/S0	*13SLIGHTLYNEBULOUS
Feb 01 2005 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIRS=2458/MAC,R=F		
Feb 17 2004 31"	17mmT4	PF,PS,OVAL,SNUC,SLT BM,PAIR=2458,R=F		
NGC 2462			Galaxy	VF,VS,VLBM

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NGC 2462		Galaxy	VF,VS,VLBM
Feb 17 2004 31"	17mmT4	MF,PS,OVAL,FLNUC,SBM,PAIR=2463,R=F	
NGC 2463		Galaxy	EF,R
Feb 17 2004 31"	17mmT4	MF,PS,OVAL,BLNUC,SBM,SHISB CNTR,PAIR=2462,R=F	
NGC 2468		Galaxy SA0:	F,R,BM
Feb 17 2004 31"	17mmT4	MF,MS,EL,LNUC,INTRACT=MAC,SHISB CNTR,R=F	
NGC 2469		H836-3 Galaxy Sbc pec:	F,VS,R,*9SF
Feb 01 2005 31"	17mmT4	MB,PL,OVAL,FLNUC,MHISB,PAIR=2473,R=G	
Feb 17 2004 31"	17mmT4	MB,MS,OVAL,HISB CNTR,BLNUC AREA THAT IS EL,BAR?,R=G	
NGC 2472		Galaxy Sb	2OF10NEB IN LINE
Feb 01 2005 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,PAIR=2469,R=F	
Feb 17 2004 31"	17mmT4	MF,PS,OVAL,PATCH,UB,NND,R=F	
NGC 2474		H830-3 Galaxy E0	F,PS,(E),(BMVS*)L*NF
Feb 17 2004 31"	17mmT4	MB,PS,OVAL,BSNUC,COMP=2474,MHISB CNTR,R=G	
NGC 2475		Galaxy E1	DNEB W/2474
Feb 17 2004 31"	17mmT4	MB,MS,OVAL,BLNUC,COMP=2474,HISB CNTR,R=G	
NGC 2476		Galaxy E?	VS*IN EF,S NEB
Feb 17 2004 31"	17mmT4	PB,ML,BLNUC,HISB CNTR,R=G	
NGC 2484		Galaxy S0:	VF,VS,R,BM,(R)
Feb 17 2004 31"	17mmT4	MF,MS,OVAL,FLNUC,SMWHT MHISB CNTR,R=F	
NGC 2488		H837-3 Galaxy S0-:	VF,VS,R,GLBM
Feb 17 2004 31"	17mmT4	MB,ML,OVAL,BLNUC,MHISB CNTR,PAIR=PGC22533,R=G	
NGC 2493		H750-3 Galaxy SB0	CB,S,R,SBM
Feb 17 2004 31"	17mmT4	PB,PL,OVAL,BLNUC,HISB CNTR,PAIRS=2495/PGC22463,R=E	
Jan 08 2003 12.5"	9mmT6	MB,ML,FNUC,R,GSBM,F* OFF ONE SIDE	
NGC 2495		Galaxy I?	FOLLOWS2493 2',EF,VS
Feb 17 2004 31"	17mmT4	PF,MS,PATCH,NND,F* ON EDGE,PAIRS=2493/PGC22463,R=F	
NGC 2497		H838-3 Galaxy E?	EF,VS
Feb 17 2004 31"	17mmT4	MB,ML,BLNUC,MHISB CNTR,4 OTHERS PRESENT,R=G	
NGC 2500		H709-3 Galaxy SB(rs)d	F,L,R,VGBM,R,AM ST
Jan 08 2003 12.5"	9mmT6	MB,VL,FARMS,*NUC,F* IN EDGE OF ARM,R-OVAL,SPR STR SUSP	
NGC 2505		H839-3 Galaxy SBa	EF,VS
Feb 17 2004 31"	17mmT4	MF,ML,OVAL,FSNUC,F HALO OF ARMS,R=F	

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NGC 2518		Galaxy E-S0	2NEB,F,L,R,GBM
Feb 01 2005 31"	17mmT4	MF,MS,BSNUC,SHISB CNTR,PAIR=MAC,R=F	
NGC 2521		Galaxy SA0- pec?	PF,PL,R,PSBM,*9NP3'
Feb 01 2005 31"	17mmT4	MB,MS,OVAL,BLNUC,BMBM,MHISB,PAIRS=PGC'S,R=G	
NGC 2524		Galaxy S0/a	VF,S
Nov 24 2003 31"	17mmT4	MB,ML,OVAL,BLNUC,MHISB,GMBM,R=G	
NGC 2528		Galaxy SAB(rs)b	F,S,R,BM
Nov 24 2003 31"	17mmT4	MF,ML,OVAL,FLNUC,GBM,R=F	
NGC 2532		H726-2 Galaxy SAB(rs)c	PB,PL,R,VGLBM,R,2*NF
Nov 24 2003 31"	17mmT4	MB,PL,R,FSNUC,SPR STR SUSP,PATCHY ARMS DET,R=G	
NGC 2534		H840-3 Galaxy E1? pec	PF,PL,R,PSBM,*8S
Feb 01 2005 31"	17mmT4	MB,MS,BLNUC,SHISB CNTR,HALO SUR NUC,R=G	
NGC 2537		H55-4 Galaxy SB(s)m pec	GCL,PB,PL,R,RRR,ST20
Nov 24 2003 31"	17mmT4	MB,VL,R,NND,SHISB,VF* ON EDGE,BAR SUSP,DUST SUSP,KNT IN GLXY DET,PAIR=2537A,R=E	
NGC 2537A		Galaxy SB(rs)c	
Nov 24 2003 31"	17mmT4	VDIF,VF,MS,OVAL,PATCH,UB,NND,PAIR=2537,R=P	
NGC 2541		H710-3 Galaxy SA(s)cd	F,L,E,VGBM
Jan 08 2003 12.5"	9mmT6	EDIF,VF,VL,L OVAL PATCH UB,F* IN GLXY EDGE,*NUC SUSP	
NGC 2543		H719-2 Galaxy SB(s)b	F,PL,IR,VGBM,D*NR
Nov 24 2003 31"	17mmT4	MF,ML,R,FSNUC,BAR DET,KNTS DET,DUST SUSP,R=G	
NGC 2549		Galaxy SA(r)0^ sp	PB,S,ME0,PSMBM
Feb 17 2004 31"	17mmT4	PB,PL,EL,VBNUC,MHISB,HISB CNTR,L HALO OF ARMS,PAIR=MAC,R=E	
NGC 2552		H711-3 Galaxy SA(s)m?	EF,CL,LE45
Feb 01 2005 31"	17mmT4	DIF,VF,EL,PATCH,UB,BKN PATCHES,SVRL F*S IN GLXY,R=F	
NGC 2638		Galaxy S0/a	VF,VS,IF
Nov 24 2003 31"	17mmT4	MF,MS,EL,*NUC,SBM,R=G	
NGC 2649		H727-2 Galaxy SAB(rs)bc:	F,L,R,R
Nov 24 2003 31"	17mmT4	PF,PL,OVAL,PATCH,UB,NND,* IN EDGE,FACE ON,F* OFF EDGE,R=G	
NGC 2668		Galaxy Sab	VF,VS,R,R
Nov 24 2003 31"	17mmT4	DIF,PF,MS,OAL,PATCH,UB,NND,*NUC SUSP,F* OFF ONE SIDE,R=F	
NGC 2683		H200-1 Galaxy SA(rs)b	VB,VL,VME39,GMBM
Oct 16 1982 12.5"	16mm	MB,ML,EDGE ON,FNUC,F* IN N TIP,B* OFF TO E,DUST LANES SUSP,TAPERED ENDS,HISB	

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NGC 2691		H658-2	Galaxy Sa?	PF,VS,MBM
Nov 24 2003 31"	17mmT4	MF,MS,OVAL,FSNUC,R=F		
NGC 2704		H625-3	Galaxy SB(r)ab	VF,VS
Nov 24 2003 31"	17mmT4	MF,MS,OVAL,UB,*NUC,SBM,R=F		
NGC 2712			Galaxy SB(r)b:	PB,L,E,VGBM*18
Nov 24 2003 31"	17mmT4	MB,PL,OVAL,BSNUC,GBM,L AREA OF ARMS,SHISB CNTR,R=E		
NGC 2719		H540-3	Galaxy Im pec?	VF,S,E110,2VF* INV
Nov 24 2003 31"	17mmT4	MF,MS,EDGE ON,PATCH,UB,NND,SHISB,SLT CNTR BULGE,COMP=2719A,R=G		
NGC 2719A			Galaxy Im pec:	
Nov 24 2003 31"	17mmT4	MF,PS,OVAL,UB,SHISB,COMP=2719,R=G		
NGC 2724			Galaxy SAB(s)c	EF,S,STELLAR
Nov 24 2003 31"	17mmT4	DIF,VF,PL,OVAL,PATCH,UB,NND,R=F		
NGC 2746		H825-3	Galaxy SB(rs)a	EF,S,R,VGLBM,*12NP1'
Nov 24 2003 31"	17mmT4	MF,PL,OVAL,FSNUC,SBM,L AREA OF ARMS,R=G		
NGC 2755		H626-3	Galaxy S?	VF,S,IF,LBM,R
Apr 03 2005 31"	17mmT4	MF,ML,EL-OVAL,PATCH,UB,R=G		
NGC 2759		H647-3	Galaxy S0-:	VF,CS,R
Dec 07 2005 31"	17mmT4	PB,MS,OVAL,BSNUC,VMBM,PAIRS=PGC'S,R=G		
NGC 2770		H490-2	Galaxy SA(s)c:	F,L,ME150,R,2*N
Dec 07 2005 31"	17mmT4	VB,EL,EDGE ON,PATCH,UB,NND,SHISB,SOME PATCHY ARMS SUSP,PAIR=PGC,R=E		
NGC 2776			Galaxy SAB(rs)c	PB,L,R,VGBM,R
Feb 17 2004 31"	17mmT4	MB,VL,R,FSNUC,FACE ON,SLT BM,FARMS,R=G		
NGC 2778		H564-2	Galaxy E	PB,S,R,PSMBM
Dec 26 2003 31"	17mmT4	MB,PL,BLNUC,MHISB CNTR,PAIR=2779,R=G		
NGC 2779			Galaxy SBa	EF,VS,92"NF2778
Dec 26 2003 31"	17mmT4	MF,VL,PATCH,UB,NND,PAIR=2778,R=F		
NGC 2780		H826-3	Galaxy SB?	VF,S,R,S D*P
Dec 26 2003 31"	17mmT4	DIF,VF,PL,OVAL,UB,NND,R=G		
NGC 2782		H167-1	Galaxy SAB(rs)a pec	CB,R,MBMBN
Oct 16 1982 12.5"	24mm	DIF,MF,MS,DNUC,2F*S OFF TO S,SBM,*NUC,16MM-SAME		
NGC 2785			Galaxy Im?	EF,PS,IE,SEV EF*INV
Dec 26 2003 31"	17mmT4	PF,VL,EL,PATCH,NND,SMWHT SBM,R=G		

Lynx - The Lynx

NGC 2793		Galaxy SB(s)m pec	VF,S,R,D*P5S,N5'
Dec 26 2003 31"	17mmT4	DIF,PF,PL,R,VFNUC,PAIR=MAC,R=G	
NGC 2798	H708-2	Galaxy SB(s)a pec	PB,S,STELLAR
Dec 26 2003 31"	17mmT4	PB,PL,R,BLNUC,MHISB,PAIR=2799,R=G	
NGC 2799		Galaxy SB(s)m?	F,CL,VME,F2798
Dec 26 2003 31"	17mmT4	MF,VL,EDGE ON,UB,NND,F* OFF EDGE,SLT CNTR BULGE,PAIR=2798,R=G	
NGC 2823		Galaxy SBa	VF,S,R
Dec 26 2003 31"	17mmT4	DIF,PF,ML,EL,PATCH,UB,NND,R=F	
NGC 2825		Galaxy Sa: sp	F,PS,LE,BM
Dec 07 2005 31"	17mmT4	MF,MS,EL,FLNUC,PAIRS=NGC'S,R=F	
NGC 2826		Galaxy S0+: sp	VF,VS,R,2825N7'
Dec 07 2005 31"	17mmT4	MB,ML,EL,BLNUC,HISB CNTR,PAIRS=NGC'S,R=G	
Dec 26 2003 31"	17mmT4	MF,MS,EDGE ON,BLNUC,R=F	
NGC 2827		Galaxy Sb	VF,VS,R,1ST OF 3
Dec 26 2003 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,R=F	
NGC 2828		Galaxy	VF,VS,R,2ND OF 3
Dec 26 2003 31"	17mmT4	DIF,PF,MS,OVAL,VFNUC,R=F	
NGC 2829		Galaxy	EF,VS,R,NF2826
Dec 26 2003 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,R=F	
NGC 2830		Galaxy SB0/a: sp	CB,CL,E,1ST OF 3
Mar 17 2009 31"	17mmT4	MF,ML,EDGE ON,UB,NND,CNTR BULGE,TOUCH=NGC2832,R=G	
Dec 07 2005 31"	17mmT4	PF,ML,EDGE ON,PAIRS=2832,2831,E PAIRS,R=F	
Dec 26 2003 31"	17mmT4	DIF,MF,MS,EL,PATCH,UB,NND,R=F	
NGC 2831	H113-1	Galaxy E0	F,S,LE,BM,2ND OF 3
Mar 17 2009 31"	17mmT4	MB,MS,R,BSNUC,SHISB,INSIDE OF NGC2832,AGC,R=F	
Dec 07 2005 31"	17mmT4	MF,VS,V CLOSE COMP=2832,ALM ATTACHED,PAIRS=2832/2830,E PAIRS,R=F	
Dec 26 2003 31"	17mmT4	MF,PS,PATCH,FSNUC,INTRACT=2832,R=G	
NGC 2832	H113-1	Galaxy E+2:	F,VS,R,3RD OF 3
Mar 17 2009 31"	17mmT4	PB,PL,R,BLNUC,MHISB,HISB CNTR,SBM,INTRACT=2831,TOUCH=2830,AGC,R=E	
Dec 07 2005 31"	17mmT4	VB,PL,R,BLNUC,HISB,V CLOSE COMP,PAIRS=2831/2830,E PAIRS,R=E	
Dec 26 2003 31"	17mmT4	VB,VL,R,BLNUC,MHISB,INTRACT=2831,FACE ON,ARMS DET,PATCHY AREAS,R=G	
NGC 2833		Galaxy	F,PS,R,3RD OF 3 IN LINE
Dec 26 2003 31"	17mmT4	PF,MS,OVAL,FLNUC,R=F	
NGC 2834		Galaxy E/S0	VF,S,R,BM

Lynx - The Lynx

NGC 2834		Galaxy E/S0	VF,S,R,BM
Dec 07 2005 31"	17mmT4	MF,VS,OVAL-R,VFSNUC,CLOSE TO 2831,*NUC,PAIR=MAC,R=F	
Dec 26 2003 31"	17mmT4	MF,MS,OVAL,FLNUC,R=F	
NGC 2838		H627-3 Galaxy E/S0	VF,VS,R
Dec 26 2003 31"	17mmT4	MB,MS,R,BSNUC,HISB CNTR,PAIRS=MAC'S,R=G	
NGC 2839		Galaxy E?	VF,S,R
Dec 26 2003 31"	17mmT4	MF,MS,R,FLNUC,R=G	
NGC 2840		H827-3 Galaxy SB(rs)bc	CF,S,R,*10NP2'
Dec 26 2003 31"	17mmT4	MF,MS,OVAL,PATCH,FLNUC,R=G	
NGC 2844		H628-3 Galaxy SA(r)a:	CF,CS
Dec 26 2003 31"	17mmT4	MB,MS,OVAL,BLNUC,B BAR,GMBM,MHISB CNTR,R=G	
NGC 2852		H629-3 Galaxy SAB(r)a?	VF,CS,R,*10P2',1ST-2
Dec 26 2003 31"	17mmT4	MF,MS,BSNUC,HOD HISB CNTR,GMBM,PAIR=2853,R=G	
NGC 2853		H630-3 Galaxy SB0:	VF,S,VGBM,2ND OF 2
Dec 26 2003 31"	17mmT4	MF,PS,PATCH,UB,NND,VF* ON EDGE,PAIR=2852,R=F	
NGC 2860		Galaxy SBa	VF,VS,R,GBM
Dec 26 2003 31"	17mmT4	MF,MS,OVAL,FLNUC,SBM,R=F	
PGC 19926		Galaxy SB	
Feb 17 2004 31"	17mmT4	MF,MS,OVAL,FSNUC,SLT BM,R=F	
Feb 17 2004 31"	17mmT4	PF,MS,PATCH,VFLNUC,R=F	
PGC 19941		Galaxy SBab	
Feb 17 2004 31"	17mmT4	MF,PS,OVAL,PATCH,UB,NND,KEEP B* OUT OF FOV,R=F	
Feb 17 2004 31"	17mmT4	PF,ML,PATCH,UB,NND,SLT BM, BAR SUSP,R=F	
PGC 19956		Galaxy S	
Feb 17 2004 31"	17mmT4	PF,VS,FSNUC,CLOSE TO * ON EDGE,GBM,R=P	
Feb 17 2004 31"	17mmT4	PF,VS,OVAL,VBSNUC,R=P	
PGC 19958		Galaxy E/S0	
Feb 17 2004 31"	17mmT4	PF,MS,EL,FLNUC,F* OFF OF TIP,SBM,R=F	
Feb 17 2004 31"	17mmT4	VF,MS,PATCH,VFLNUC,VF* OFF EDGE,SLT BM,R=F	
PGC 20054		Galaxy S	
Feb 17 2004 31"	17mmT4	PF,VS,PATCH,NND,COMP=MAC,PAIR=2315,R=P	
PGC 20172		Galaxy Sc/SBc	
Nov 17 2012 36"	17mmT4	VF,MS,EL,UB,PAIRS=PGC'S,R=P	

Lynx - The Lynx

PGC 20178		Galaxy Sb
Nov 17 2012 36"	17mmT4	MF,MS,EL,FLNUC,F* IN EDGE,PAIRS=PGC'S,R=F
PGC 20190		Galaxy S?
Nov 17 2012 36"	17mmT4	MF,MS,OVAL,UB,PAIRS=PGC'S,R=F
PGC 20209		Galaxy S?
Mar 17 2009 31"	17mmT4	MF,MS,R,FLNUC,BM,SOFT NUC RGN,AGC,R=F
Dec 07 2005 31"	17mmT4	MB,ML,R,BLNUC,BM,MHISB CNTR,ABELL 569,R=F
PGC 20243		Galaxy
Mar 17 2009 31"	17mmT4	MF,ML,EL,BLNUC,SHISB,AGC,R=F
Dec 07 2005 31"	17mmT4	MF,MS,EL,BLNUC,SHISB CNTR,CNTR AREA BAR LIKE,ABELL 569,R=F
PGC 20246		Galaxy Sc
Mar 17 2009 31"	17mmT4	VF,MS,OVAL,PATCH,UB,NND,AGC,R=P
Dec 07 2005 31"	17mmT4	VF,PS,PATCH,NND,ABELL 569,R=F
PGC 20268		Galaxy E?
Dec 07 2005 31"	17mmT4	PB,ML,EL,BLNUC,HISB CNTR,F* OUTER EDGE,ABELL 569,R=G
PGC 20283		Galaxy S0?
Dec 07 2005 31"	17mmT4	MF,MS,OVAL,FLNUC,ABELL 569,R=F
PGC 20308		Galaxy L
Feb 01 2005 31"	17mmT4	MF,PS,EL,FSNUC,SHISB,R=F
PGC 20327		Galaxy C
Feb 01 2005 31"	17mmT4	PF,PS,OVAL,FSNUC,R=F
PGC 20330		Galaxy
Dec 07 2005 31"	17mmT4	MB,MS,EDGE ON,FSNUC,B* OFF TIP,R=F
PGC 20336		Galaxy D
Feb 01 2005 31"	17mmT4	DIF,EF,MS,PATCH,UB,B* ON EDGE,AV,R=P
PGC 20364		Galaxy S0-:
Feb 01 2005 31"	17mmT4	MB,MS,R,BSNUC,HISB CNTR,PAIR=MAC,R=G
PGC 20704		Galaxy SB
Mar 06 2010 31"	17mmT4	PF,PS,OVAL,FLNUC,R=F
PGC 20710		Galaxy
Mar 06 2010 31"	17mmT4	VF,VS,PATCH,AV COMES AND GOES,AGC 576,R=P
PGC 20712		Galaxy
Mar 06 2010 31"	17mmT4	MF,PS,OVAL,VSBN,MBM,*NUC,SHISB CNTR,AGC 576,R=F

Lynx - The Lynx

PGC 20714		Galaxy D
Mar 06 2010 31"	17mmT4	MF,MS,PATCH,UB,NND,AGC 576,R=F
PGC 20721		Galaxy
Mar 06 2010 31"	17mmT4	MF,PS,OVAL,FSNUC,AGC 576,R=F
PGC 20728		Galaxy E
Mar 06 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,AGC 576,R=F
PGC 20732		Galaxy
Mar 06 2010 31"	17mmT4	VF,VS,EONG,UB,NND,AGC 576,R=P
PGC 20735		Galaxy
Mar 06 2010 31"	17mmT4	VF,MS,EL TO EDGE ON,UB,TOUCH=PGC20739,APPEAR AS ONE,AGC 576,R=P
PGC 20737		Galaxy
Mar 06 2010 31"	17mmT4	EF,ES,PATCH,SUSP,AGC 576,R=P
PGC 20739		Galaxy
Mar 06 2010 31"	17mmT4	VF,MS,EL TO EGGE ON,PATCH,TOUCH=PGC20735,APPEAR AS ONE,AGC 576,R=P
PGC 20740		Galaxy
Mar 06 2010 31"	17mmT4	PF,PS,PATCH,UB,AGC 576,R=F
PGC 20745		Galaxy
Mar 06 2010 31"	17mmT4	EF,VS,PATCH,* LIKE NUC,AGC 576,R=P
PGC 20747		Galaxy
Mar 06 2010 31"	17mmT4	VF,VS,PATCH,AV ONLY ONCE,AGC 576,R=P
PGC 20752		Galaxy
Mar 06 2010 31"	17mmT4	EF,VS,PATCH,AV COMES AND GOES,AGC 576,R=P
PGC 20753		Galaxy
Mar 06 2010 31"	17mmT4	EF,VS,PATCH,AV COMES AND GOES,AGC 576,R=P
PGC 20759		Galaxy
Mar 08 2010 31"	17mmT4	EF,VS,PATCH,TOOK AV AWHILE,COMES AND GOES,AGC 576,R=P
PGC 20760		Galaxy
Mar 08 2010 31"	17mmT4	EF,VS,PATCH,TOOK AV A WHILE TO LOC THEN HOLDS,AGC 576,R=P
PGC 20761		Galaxy
Mar 06 2010 31"	17mmT4	MF,MS,PATCH,UB,NND,AGC 576,R=F
PGC 20762		Galaxy
Mar 06 2010 31"	17mmT4	EF,VS,SUSP,AGC 576,R=P

Lynx - The Lynx

PGC 20767		Galaxy
Mar 08 2010 31"	17mmT4	EF,VS,PATCH,UB,V CLOSE TO *,AGC 576,R=P
PGC 20768		Galaxy
Mar 06 2010 31"	17mmT4	PF,PS,OVAL,FSNUC,AGC 576,R=F
PGC 20769		Galaxy
Mar 06 2010 31"	17mmT4	PF,PS,OVAL,FSNUC,AGC 576,R=F
PGC 20770		Galaxy
Mar 08 2010 31"	17mmT4	EDIF,EF,VS,PATCH,TOO CLOSE TO COMP,SUSP,AGC 576,R=P
PGC 20777		Galaxy
Mar 06 2010 31"	17mmT4	VF,VS,R,UB,NND,AGC 576,R=P
PGC 20778		Galaxy
Mar 06 2010 31"	17mmT4	EF,VS,PATCH,SUSP,ENCOMPASSES PGC20785 AND PGC20781,AGC 576,R=P
PGC 20781		Galaxy
Mar 06 2010 31"	17mmT4	PF,PS,OVAL,FSNUC,CLOSE COMP=PGC20785,COULD BE PART OF PGC20778,AGC 576,R=F
PGC 20783		Galaxy
Mar 08 2010 31"	17mmT4	EF,VS,PATCH,UB,AGC 576,R=P
PGC 20785		Galaxy
Mar 06 2010 31"	17mmT4	PF,PS,OVAL,FSNUC,CLOSE COMP=PGC20781,COULD BE PART OF PGC20778,AGC 576,R=F
PGC 20787		Galaxy
Mar 08 2010 31"	17mmT4	VF,VS,PATCH,UB,LOC IN BARRON AREA,AV HOLDS,AGC 576,R=P
PGC 20789		Galaxy
Mar 06 2010 31"	17mmT4	PF,PS,OVAL,PATCH,UB,AGC 576,R=F
PGC 20790		Galaxy
Mar 08 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,AV EASY THEN HOLDS,AGC 576,R=P
PGC 20795		Galaxy
Mar 06 2010 31"	17mmT4	EF,VS,PATCH,SUSP,AGC 576,R=P
PGC 20796		Galaxy
Mar 06 2010 31"	17mmT4	VF,VS,PATCH,UB,NND V CLOSE TO F*,AGC 576,R=P
PGC 20797		Galaxy
Mar 06 2010 31"	17mmT4	PF,PS,VAL,FSNUC,F HINT OF ANOTHER VF GLXY CLOSE BY,COMES AND GO, HARD TO ID WHICH ONE IS WHICH,AGC 576,R=F
PGC 20800		Galaxy

Lynx - The Lynx

PGC 20800		Galaxy
Mar 08 2010 31"	17mmT4	EF,ES,PATCH,V CLOSE TO PGC20797,AV HOLDS,AGC 576,R=P
PGC 20802		Galaxy
Mar 06 2010 31"	17mmT4	EF,VS,PATCH,AV ONLY ONCE,AGC 576,R=P
PGC 20804		Galaxy
Mar 08 2010 31"	17mmT4	EF,VS,PATCH,HARD TO HOLD WITH AV,AGC 576,R=P
PGC 20812		Galaxy
Mar 06 2010 31"	17mmT4	PF,VS,OVAL,FSNUC,AGC 576,R=F
PGC 20816		Galaxy
Mar 08 2010 31"	17mmT4	EF,VS,PATCH,AV HOLDS,V CLOSE TO *,AGC 576,R=P
PGC 20819		Galaxy
Mar 06 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,AGC 576,R=P
PGC 20823		Galaxy
Mar 06 2010 31"	17mmT4	MF,MS,OVAL,FLNUC,AGC 576,R=F
PGC 20824		Galaxy
Mar 06 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,AGC 576,R=P
PGC 20829		Galaxy
Mar 06 2010 31"	17mmT4	MF,MS,EL,BSNUC,AGC 576,R=F
PGC 20850		Galaxy
Mar 08 2010 31"	17mmT4	EF,VS,PATCH,AV COMES AND GOES,AGC 576,R=P
PGC 20871		Galaxy
Mar 06 2010 31"	17mmT4	VF,VS,PATCH,UB,AV A FEW TIMES,AGC 576,R=P
PGC 20872		Galaxy
Mar 08 2010 31"	17mmT4	VF,VS,PATCH,UB,AV FIRST THEN HOLDS,BARRON AREA,AGC 576,R=P
PGC 20890		Galaxy S
Mar 06 2010 31"	17mmT4	MF,MS,EL,PATCH,UB,NND,OUTSIDE AGC 576,R=F
PGC 21362		Galaxy
Mar 20 2007 31"	17mmT4	VF,MS,PATCH,VFSNUC,COMP=MAC,CAN SPLIT WITH AV,R=P
PGC 21419		Galaxy Dwarf Spiral
Nov 24 2003 31"	17mmT4	DIF,MF,PS,OVAL,PATCH,NND,SBM,PAIR=PGC21425,R=F
PGC 21425		Galaxy SB?
Nov 24 2003 31"	17mmT4	DIF,MF,VL,EL-OVAL,PATCH,UB,NND,PAIR=PGC21419,R=G

Lynx - The Lynx

PGC 21475		Galaxy Scd:
Feb 20 2006 31"	17mmT4	PF,ML,EL,UB,NND,VF* OFF ONESIDE,R=F
PGC 21635		Galaxy S
Feb 01 2005 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,VF* IN EDGE,R=F
PGC 21650		Galaxy
Feb 01 2005 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,R=P
PGC 21719		Galaxy
Feb 01 2005 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,PAIR=PGC21729,R=P
PGC 21729		Galaxy S
Feb 01 2005 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,PAIR=PGC21719,R=P
PGC 21970		Galaxy Sd
Nov 17 2012 36"	17mmT4	MF,MS,EDGE ON,UB,NND,SLT TAPERED ENDS,PA~0,R=F
PGC 22161		Galaxy D
Feb 01 2005 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,PAIRS=2457/PGC22172,R=F
PGC 22172		Galaxy S
Feb 01 2005 31"	17mmT4	VF,MS,EDGE ON,PATCH,UB,NND,PAIRS=2457/PGC22161,R=F
PGC 22175		Galaxy S pec
Feb 01 2005 31"	17mmT4	MF,MS,OVAL,BLNUC,SHISB CNTR,TAPERED ENDS,R=F
PGC 22309		Galaxy C
Feb 17 2004 31"	17mmT4	PF,MS,OVAL,FLNUC,PAIR=MAC,R=F
PGC 22344		Galaxy
Feb 17 2004 31"	17mmT4	MF,PS,OVAL,FSNUC,* OFF ONE SIDE,PAIR=MAC,R=F
PGC 22373		Galaxy E
Feb 20 2006 31"	17mmT4	MF,ML,EL,BLNUC,MHISB CNTR,VF* BET,PAIR=PGC22376,R=F
PGC 22376		Galaxy S0
Feb 20 2006 31"	17mmT4	MF,MS,EL,FSNUC,F* BET,PAIR=PGC22373,R=F
PGC 22406		Galaxy SBbc
Nov 17 2012 36"	17mmT4	VF,PS,R,UB,F* BOTH ENDS,R=P
PGC 22446		Galaxy Sd:
Nov 17 2012 36"	17mmT4	EF,MS,EDGE ON,UB,NND,VF* IN TIP,AV FIRST THEN HOLDS,PA~20,R=P
PGC 22463		Galaxy
Feb 17 2004 31"	17mmT4	PF,VS,FSNUC,*NUC LIKE,PAIRS=2493/2495,R=F

Lynx - The Lynx

PGC 22512		Galaxy E
Feb 17 2004 31"	17mmT4	MF,PS,R,FSNUC,PAIRS=MAC'S,R=F
PGC 22533		Galaxy S0/a
Feb 17 2004 31"	17mmT4	MF,MS,EL,FSNUC,GMBM,PAIRS=2488/PGC22557,R=F
PGC 22536		Galaxy E
Feb 17 2004 31"	17mmT4	PF,MS,OVAL,FSNUC,COMP=PGC22544,GRP WITH 2497,R=F
PGC 22544		Galaxy
Feb 17 2004 31"	17mmT4	PF,MS,OVAL,FLNUC,COMP=PGC22536,GRP WITH 2497,R=F
PGC 22550		Galaxy S
Feb 17 2004 31"	17mmT4	EDIF,EF,VS,PATCH,AV,GRP WITH 2497,R=P
PGC 22557		Galaxy
Feb 17 2004 31"	17mmT4	PF,MS,OVAL,FLNUC,F* CLOSE BY,GRADUALLY BM,PAIRS=PGC22533/MAC,R=F
PGC 22567		Galaxy L
Feb 17 2004 31"	17mmT4	PF,PS,PATCH,UB,NND,COMP=PGC22574,R=P
PGC 22574		Galaxy L
Feb 17 2004 31"	17mmT4	VF,VS,OVAL,FSNUC,COMP=PGC22567,SBM,R=P
PGC 22709		Galaxy S0/a
Dec 07 2005 31"	17mmT4	MF,VS,EL,BSNUC,CLOSE TO F*,PAIRS=IC2222/PGC/MAC,R=F
PGC 22713		Galaxy C
Dec 07 2005 31"	17mmT4	PF,VS,EL,VBSNUC,PAIRS=IC2222/PGC/MAC,R=F
PGC 22766		Galaxy SA(rs)b
Nov 24 2003 31"	17mmT4	DIF,PF,ML,OVAL,PATCH,UB,NND,R=F
PGC 22787		Galaxy E/S0
Dec 07 2005 31"	17mmT4	MF,MS,OVAL,FLNUC,R=F
PGC 22885		Galaxy Sb
Feb 01 2005 31"	17mmT4	PF,PS,EL,PATCH,UB,VF* IN TIP,NND,PAIRS=2521/PGC'S,R=F
PGC 22890		Galaxy Sab
Feb 01 2005 31"	17mmT4	MB,PL,EL,FLNUC,CNTR BULGE,SHISB CNTR,PAIRS=2521/PGC'S,R=F
PGC 22891		Galaxy E/S0
Feb 01 2005 31"	17mmT4	MB,MS,OVAL,FLNUC,SHISB CNTR,PAIRS=2521/PGC'S,R=F
PGC 22906		Galaxy E
Feb 01 2005 31"	17mmT4	MF,PS,OVAL,FLNUC,PAIRS=PGC22914/MAC,R=F

Lynx - The Lynx

PGC 22914		Galaxy S?
Feb 01 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,CLOSE TO *,PAIRS=PGC22906/MAC,R=P
PGC 23022		Galaxy S0?
Mar 08 2010 31"	17mmT4	MF,MS,EL,FLNUC,OUTSIDE AGC 634,R=F
PGC 23032		Galaxy L
Mar 08 2010 31"	17mmT4	PF,PS,OVAL,PATCH,UB,OUTSIDE AGC 634,R=P
PGC 23041		Galaxy S
Mar 08 2010 31"	17mmT4	MF,MS,EL,PATCH,UB,NND,AGC 634,R=F
PGC 23047		Galaxy SAB(rs)bc
Mar 08 2010 31"	17mmT4	DEF,MF,MS,PATCH,UB,NND,OUTSIDE AGC 634,R=F
PGC 23063		Galaxy L
Mar 08 2010 31"	17mmT4	VF,PS,OVAL,UB,NND,CAN JUST SEP,COMP=MAC,AGC 634,R=P
PGC 23068		Galaxy
Mar 08 2010 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,AGC 634,R=F
PGC 23069		Galaxy Scd:
Nov 17 2012 36"	17mmT4	VF,MS,EDGE ON,UB,NND,TAPERED,PA~100,R=P
PGC 23083		Galaxy
Mar 08 2010 31"	17mmT4	VF,VS,R,UB,AV HOLDS,AGC 634,R=P
PGC 23092		Galaxy L
Nov 24 2003 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,R=F
PGC 23111		Galaxy Sab
Mar 08 2010 31"	17mmT4	PF,MS,EL-EDGE ON,UB,SHISB,SOME PATCHY AREAS DET,IRR IN SHAPE,AGC 634,R=F
PGC 23114		Galaxy
Mar 08 2010 31"	17mmT4	MF,MS,EL-OVAL,BLNUC,MHISB CNTR,TOUCH=PGC23115,AGC 634,R=F
PGC 23115		Galaxy C
Mar 08 2010 31"	17mmT4	MF,VS,OVAL,*NUC,VF* IN NUC,ALM *,TOUCH=PGC23114,AGC 634,R=F
PGC 23119		Galaxy SB?
Mar 08 2010 31"	17mmT4	VF,MS,OVAL,FLNUC,VF* OFF EDGE,AGC 634,R=F
PGC 23121		Galaxy C
Mar 08 2010 31"	17mmT4	VF,VS,PATCH,AGC 634,R=P
PGC 23126		Galaxy E
Mar 08 2010 31"	17mmT4	EF,VS,PATCH,TOOK A WHILE FOR AV TO HOLD,AGC 634,R=P

Lynx - The Lynx

PGC 23150		Galaxy E
Mar 08 2010 31"	17mmT4	MF,MS,R,FLNUC,SHISB CNTR,AGC 634,R=F
PGC 23159		Galaxy S
Mar 08 2010 31"	17mmT4	MB,PL,OVAL,FLNUC,OUTSIDE AGC 634,PAIR=PGC23160,R=G
PGC 23160		Galaxy E
Mar 08 2010 31"	17mmT4	MB,ML,OVAL,FLNUC,OUTSIDE AGC 634,PAIR=PGC23159,SHISB CNTR,R=G
PGC 23179		Galaxy E
Mar 08 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,AGC 634,R=P
PGC 23180		Galaxy C
Mar 08 2010 31"	17mmT4	MF,MS,EL,FLNUC,2VF*S OFF EDGE,SHISB CNTR,AGC 634,R=F
PGC 23267		Galaxy Sc
Feb 17 2004 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,PAIR=PGC23276,R=F
PGC 23276		Galaxy
Feb 17 2004 31"	17mmT4	DIF,EF,PS,PATCH,PAIR=23267,R=P
PGC 23341		Galaxy S?
Nov 24 2003 31"	17mmT4	DIF,PF,PS,OVAL,PATCH,UB,NND,R=F
PGC 23989		Galaxy S
Oct 25 2006 31"	17mmT4	MF,MS,OVAL,BLNUC,SHISB CNTR,BM,R=F
PGC 23993		Galaxy Sa
Oct 25 2006 31"	17mmT4	PF,MS,EL,FLNUC,PAIR=MAC,R=F
PGC 24002		Galaxy S0
Oct 25 2006 31"	17mmT4	MF,MS,OVAL,FLNUC,SHISB CNTR,R=F
PGC 24017		Galaxy S
Oct 25 2006 31"	17mmT4	PF,PS,OVAL,FSNUC,PAIR=PGC24041,R=F
PGC 24041		Galaxy Sb
Oct 25 2006 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIR=PGC24017,R=F
PGC 24230		Galaxy SBa
Oct 25 2006 31"	17mmT4	MF,PS,R,BLNUC,GMBM,MHISB CNTR,R=F
PGC 24254		Galaxy L
Oct 25 2006 31"	17mmT4	PF,PS,ELOGN,PATCH,UB,NND,R=F
PGC 24325		Galaxy Compact
Oct 25 2006 31"	17mmT4	PF,PS,OVAL,BSNUC,SHISB CNTR,SBM,R=F

Lynx - The Lynx

PGC 24586		Galaxy L
Mar 20 2007 31"	17mmT4	PF,MS,OVAL,FLNUC,PAIR=PGC24587,R=F
PGC 24587		Galaxy S R
Mar 20 2007 31"	17mmT4	PF,MS,OVAL,FLNUC,PAIR=PGC24586,R=F
PGC 24596		Galaxy S0?
Mar 20 2007 31"	17mmT4	VF,MS,OVAL,FSNUC,V CLOSE COMPS,NICE HICKSON GRP,R=F
PGC 24597		Galaxy S0?
Mar 20 2007 31"	17mmT4	VF,MS,OVAL,FSNUC,V CLOSE COMP=PGC24598,NICE HICKSON GRP,R=F
PGC 24598		Galaxy L
Mar 20 2007 31"	17mmT4	EF,ES,PATCH,AV,APPEARS AS A BUMP ON SIDE OF PGC24597,OTHER COMPS,NICE HICK,R=P
PGC 24599		Galaxy S
Mar 20 2007 31"	17mmT4	EF,VS,PATCH,NND,AV,OTHER COMP'S,NICE HICKSON GRP,R=P
PGC 24600		Galaxy E
Mar 20 2007 31"	17mmT4	DID NOT FIND,18,4MAG,LOC GOOD,R=P
PGC 24601		Galaxy S?
Mar 20 2007 31"	17mmT4	VF,MS,OVAL,FSNUC,V CLOSE COMPS,NICE HICKSON GRP,R=F
PGC 24620		Galaxy S?
Oct 25 2006 31"	17mmT4	MF,MS,OVAL-R,BLNUC,SHISB CNTR,R=G
PGC 24718		Galaxy Sbc
Dec 07 2005 31"	17mmT4	PF,ML,EL,UB,NND,R=F
PGC 24964		Galaxy Sab
Nov 24 2003 31"	17mmT4	MF,MS,OVAL,FLNUC,SBM,R=F
PGC 24981		Galaxy SB(s)b
Mar 20 2007 31"	17mmT4	PF,MS,OVAL,UB,NND,INTRACT=MAC,CAN JUST BARELY SEP TWO,R=F
PGC 25173		Galaxy S
Nov 24 2003 31"	17mmT4	VDIF,VF,MS,OVAL,PATCH,UB,NND,R=P
PGC 25232		Galaxy Sdm:
Feb 09 2013 36"	17mmT4	VF,ML,EDGE ON,UB,NND,PA~40,THIN SLIVER,VF* IN TIP,AV TOOK A WHILE,HOLDS,PAIR=MAC,R=P
PGC 25342		Galaxy C
Dec 07 2005 31"	17mmT4	MF,PS,OVAL,PATCH,VFSNUC,R=F
PGC 25692		Galaxy S
Dec 07 2005 31"	17mmT4	VF,PS,EDGE ON,PATCH,UB,NND,THIN SLIVER,PAIRS=2759/PGC,R=P

Lynx - The Lynx

PGC 25734		Galaxy SB
Dec 07 2005 31"	17mmT4	PF,MS,EL,FLNUC,PAIRS=2759/PGC'S,R=F
PGC 25760		Galaxy S
Dec 07 2005 31"	17mmT4	VDIF,EF,MS,PATCH,AV,SUSP,PAIRS=PGC'S,R=P
PGC 25769		Galaxy
Dec 07 2005 31"	17mmT4	EDIF,EF,MS,PATCH,AV,PAIR=2770,R=P
PGC 25786		Galaxy
Dec 07 2005 31"	17mmT4	EF,VS,PATCH,PAIR=PGC,R=P
PGC 25831		Galaxy
Dec 07 2005 31"	17mmT4	MF,MS,EL,FLNUC,PAIR=PGC,R=F
PGC 26068		Galaxy SAB(s)d
Dec 26 2003 31"	17mmT4	DIF,VF,VL,PATCH,UB,NND,R=F
PGC 26124		Galaxy C
Mar 20 2007 31"	17mmT4	PF,MS,OVAL,BLNUC,B* CLOSE BY,PAIR=MAC,R=F
PGC 26132		Galaxy Double System
Mar 20 2007 31"	17mmT4	MF,MS,OVAL,BAR LIKE NUC,F OUTER RING PART DET,2VF*S IN EDGE,PAIR=MAC,R=F
PGC 26231		Galaxy SB
Dec 26 2003 31"	17mmT4	DIF,PF,PL,OVAL,PATCH,UB,NND,R=F
PGC 26285		Galaxy S
Mar 17 2009 31"	17mmT4	MB,MS,OVAL TO R,SHISB CNTR,FLNUC,AGC,R=F
PGC 26290		Galaxy S
Mar 17 2009 31"	17mmT4	PF,MS,OVAL,FLNUC,AGC,R=F
PGC 26299		Galaxy S
Mar 17 2009 31"	17mmT4	PF,MS,OVAL,FLNUC,AGC,R=F
PGC 26366		Galaxy S?
Mar 17 2009 31"	17mmT4	MF,MS,R,FSNUC,AGC,R=F
PGC 26427		Galaxy S?
Dec 26 2003 31"	17mmT4	DIF,PF,MS,ELOGN,PATCH,UB,NND,R=F
PUWE 1		Planetary Neb 3
Feb 20 2006 31"	17mmT4	DIF,VF,VS,PATCH,S AREA OF NEB CLOSE TO F*,NEB OFF ONE SIDE,W/OIII,BM,NEB DET SUR F*,R=F

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IC 1288		Galaxy SBa	
Jun 20 2004 31"	17mmT4	MB,VS,OVAL,NND,VF* OFF EDGE,SHISB,R=F	
IC 1289		Galaxy S	
Jun 19 2004 31"	17mmT4	MB,PL,NGC6778 IN FOV,OC ~8 *S,VERIFIED W/DSS IMAGE,NO CL,R=P	
IC 1296		Galaxy SBbc	
Sep 23 2003 31"	17mmT4	DIF,PF,MS,OVAL,PATCH,FNUC,F* ON EDGE,SBM,SNUC DET,PAIR/M57,R=F	
Apr 26 2003 12.5"	9mmT6	EDIF,EF,ES,PATCH,AV,SUSP,CLOSE TO M57,R=P	
IC 4772		Galaxy C	
Jun 20 2004 31"	17mmT4	MB,ML,OVAL,FLNUC,SHISB,GBM,PAIRS=6685/MAC,R=F	
MAC 1815+4318		Galaxy	
Jun 20 2004 31"	17mmT4	VF,VS,PATCH,PAIRS=PGC61650,PGC61649,R=P	
MAC 1828+3406		Galaxy	
Jun 20 2004 31"	17mmT4	VF,VS,PATCH,NND,R=P	
MAC 1828+3413		Galaxy	
Jun 20 2004 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=PGC61919,R=P	
MAC 1834+3157		Galaxy	
Jun 20 2004 31"	17mmT4	VF,VS,PATCH,UB,NND,R=P	
MAC 1837+4001		Galaxy	
Jun 20 2004 31"	17mmT4	VF,VS,PATCH,UB,PAIR=6675,R=P	
MAC 1839+4001		Galaxy	
Jun 20 2004 31"	17mmT4	VF,VS,PATCH,CLOSE COMP=IC4772,PAIR=6685,R=P	
MAC 1840+4006		Galaxy	
Jun 20 2004 31"	17mmT4	DIF,VF,VS,PATCH,NND,AV,PAIR=6686,R=P	
MAC 1851+2629		Galaxy	
Sep 19 2004 31"	17mmT4	VF,VS,PATCH,VFSNUC,PAIRS=PGC'S,MAC,R=P	
MAC 1854+3259		Galaxy	
Jun 19 2004 31"	17mmT4	DIF,VF,VS,PATCH,NND,R=P	
MAC 1854+3320		Galaxy	
Jun 19 2004 31"	17mmT4	DIF,VF,VS,PATCH,NND,R=P	
NGC 6606		Galaxy S	VF,S,R,GBM,VF*INV
Jun 20 2004 31"	17mmT4	MB,MS,EL,FSNUC,F* ON EDGE,R=G	
NGC 6612		Galaxy C	EEF,ES,R,VDIFFIC

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NGC 6612		Galaxy C	EEF,ES,R,VDIFFIC
Jun 20 2004 31"	17mmT4	MB,PS,NND,SHISB,IRR IN SHAPE,V*IN AND SUR=G	
NGC 6640		Galaxy Scd:	VF,S,R,VLBM
Jun 20 2004 31"	17mmT4	MB,ML,OVAL,FLNUC,R=F	
NGC 6646		H907-2 Galaxy Sa	F,S,IF
Jun 20 2004 31"	17mmT4	MB,ML,OVAL,FLNUC,SLT HISB CNTR,R=G	
NGC 6657		Galaxy SB	VF,VS,SBM
Jun 20 2004 31"	17mmT4	MF,MS,FSNUC,SLT BM,R=F	
NGC 6662		Galaxy SBab?	F*IN VF,VS,LE NEBY
Jun 20 2004 31"	17mmT4	MF,PS,EL,FSNUC,SMWHT BM,R=F	
NGC 6663		Galaxy SAB(r)cd:	EEF,PS,R,VDIFFIC
Jun 20 2004 31"	17mmT4	MF,ML,R,UB,NND,R=F	
NGC 6665		Galaxy Sc	VF,VS
Jun 20 2004 31"	17mmT4	MF,MS,OVAL,NND,SHISB,2F*S BOTH SIDES,R=G	
NGC 6671		Galaxy S	VF,VS,R,MBM
Jun 20 2004 31"	17mmT4	PB,MS,OVAL,BSNUC,HISB CNTR,R=G	
NGC 6672		Galaxy	2CLOSE*,N ONE NEBS
Sep 19 2004 31"	17mmT4	PF,PS,PATCH,FSNUC,R=F	
NGC 6675		Galaxy Sbc	VF,E,45"
Jun 20 2004 31"	17mmT4	PB,PL,OVAL,UB,MHISB,SLT BM,PAIR=MAC,R=G	
NGC 6685		Galaxy S0-:	EEF,VS,R,VDIFFI,SP-2
Jun 20 2004 31"	17mmT4	PB,PL,OVAL,BLNUC,HISB CNTR,GMBM,PAIRS=IC4772/MAC,R=G	
NGC 6686		Galaxy C	EEF,ES,R,VDIFFI,NF-2
Jun 20 2004 31"	17mmT4	MF,ML,R,FSNUC,KEEP B* OUT OF FOV,GBM,PAIR=MAC,R=F	
NGC 6688		Galaxy SA0+	F,PS,R,BM
Jun 20 2004 31"	17mmT4	PB,ML,OVAL,BSNUC,F* ON SIDE,* OR H2 RGN OTHER SIDE,PAIR=PGC'S,R=G	
NGC 6692		Galaxy E/S0	VF,VS,IRRE,SEVVF*INV
Jun 20 2004 31"	17mmT4	MF,PS,OVAL,UB,NND,SHISB,R=F	
NGC 6695		Galaxy SBb	VF,S,IRRE,NS,VLBM
Sep 19 2004 31"	17mmT4	PF,PS,OVAL,PATCH,VFSNUC,R=F	
NGC 6700		Galaxy SB(rs)c	EF,LE,DIF,IR
Sep 19 2004 31"	17mmT4	MB,ML,OVAL,UB,NND,SHISB,F* ON EDGE,R=F	

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NGC 6702		Galaxy E:	PF,S,LE
Sep 19 2004 31"	17mmT4	PB,ML,R,BLNUC,SHISB,HISB CNTR,GMBM,R=G	
NGC 6703		Galaxy SA0-	B,S,R,MBM
Sep 19 2004 31"	17mmT4	VB,VL,R,BLNUC,HISB,HISB CNTR,GMBM,PAIR=PGC62403,R=E	
NGC 6710		Galaxy SA0+?	VF,S,R,BM
Sep 19 2004 31"	17mmT4	MF,MS,OVAL,FLNUC,SHISB,R=F	
NGC 6713		Galaxy Pec	VF,S,R,BM
Sep 19 2004 31"	17mmT4	MF,MS,EL-OVAL,PATCH,UB,NND,R=F	
NGC 6720	M57	Planetary Neb 4+3	RINGNEB,B,PL,CE,LYRA
Aug 23 2009 31"	12mmT4	VB,VL,OVAL,HISB,BTHICK SIDES,F NEB INSIDE,CNTR*15TH MAG,EXT NEB ONE SIDE,OIII HELPS	
Mar 22 2004 12.5"	12mmT4	LTL,KNOCKS OUT CNTR*,R=E	
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Sep 23 2003 31"	17mmT4	EB,EL,FIRST LIGHT WITH 17MM,CNTR * DET,BEST OBSERVATION TODATE,OBLONG RING	
Sep 01 2002 31"	9mmT6	CNTR * SEEN, FT DETAIL IN NEB,BEST VIEW TO DATE	
Sep 20 1981 12.5"	24mm		
Jun 04 1981 12.5"	9mm	WITH BARROW,CNTR * COMES AND GOES WITH AV,2B*'S INSIDE RING	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Sep 10 1980 12.5"	24mm		
Sep 07 1980 12.5"	24mm		
Sep 03 1980 12.5"	24mm		
Aug 19 1980 12.5"	24mm		
Jul 15 1980 12.5"	24mm		
Jul 12 1980 12.5"	24mm		
Jul 11 1980 12.5"	24mm		
Jul 05 1980 12.5"	24mm		
Jun 20 1980 12.5"	24mm		
Jun 18 1980 12.5"	24mm		
Jun 17 1980 12.5"	24mm		
Jun 10 1980 6"	24mm		
May 07 1980 5"	9mm		
Apr 18 1980 6"	24mm		
Apr 16 1980 6"	24mm		
NGC 6740		Galaxy S	EEF,S
Sep 19 2004 31"	17mmT4	PF,PS,OVAL,FLNUC,F* OFF ONE SIDE,R=F	
NGC 6743		Open Cluster cluster?	CL,PL,P,ST11...12
Sep 19 2004 31"	17mmT4	MB,VL,~20*S,VAR MAG,ONE B* IN CNTR,M CL,SC,R=F	
NGC 6745		Galaxy Sm	VF,LE NS
Sep 19 2004 31"	17mmT4	MB,ML,EL,PATCH,UB,NND,SHISB,R=G	
NGC 6765		Planetary Neb 5	F,S,E

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NGC 6765		Planetary Neb 5	F,S,E
Sep 02 2008 31"	17mmT4	MF,MS,EL,OIII HELPS,HISB IN CNTR REG,BKN HALVES 1 S & FTR CNTR*, BM,R=G	
Sep 19 2004 31"	17mmT4	PB,ML,EL,HSIB,W/OIII,COMET LIKE,PATCHY,2 HALVES ONE BTR THAN OTHER,R=E	
NGC 6779	M56	Globular	GCL,B,L,IR,GVMCM,RRR
Jul 01 2019 36"	17mmT4	(Class VIII),VB,ML,MHISB,RSLV TO CORE,OUTER *S SMWHT SC,CORE MHISB,*S RSLV,R=GE	
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Jun 04 1981 12.5"	16mm	MF,ML,*S ~SAME MAG	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Sep 07 1980 12.5"	24mm		
Jul 12 1980 12.5"	24mm		
Jul 11 1980 12.5"	24mm		
Jun 20 1980 12.5"	24mm		
Jun 17 1980 12.5"	24mm		
May 07 1980 5"	9mm		
NGC 6791		Open Cluster I 2 r	VF
May 30 2022 36"	17mmT4	(I 2 r),VB,VL,NICE FOV,100+ *S SIM MAG NICELY CL AM BTR FOV *S,(2:51am),R=FG	
Jun 04 1981 12.5"	16mm	PF,PL	
Jul 12 1980 12.5"	24mm		
NGC 6792		Galaxy SBb	F,E26,GLBM,*9.5SF
Sep 19 2004 31"	17mmT4	MB,PL,EL,BLNUC,SHISB,FARMS DET,B BAR,GMBM,2F*S OFF ONE EDGE,R=G	
PGC 61649		Galaxy L R	
Jun 20 2004 31"	17mmT4	PF,MS,OVAL,UB,NND,R=F	
PGC 61650		Galaxy Multiple System	
Jun 20 2004 31"	17mmT4	MF,PS,PATCH,UB,NND,CLOSE COMP=MAC,PAIR=PGC61649,R=F	
PGC 61919		Galaxy S	
Jun 20 2004 31"	17mmT4	MF,VS,EL,SBM,PAIR=MAC,R=F	
PGC 62037		Galaxy Scd:	
Jun 20 2004 31"	17mmT4	DIF,VF,MS,EDGE ON,UB,NND,F* ON TIP,R=P	
PGC 62058		Galaxy	
Jun 20 2004 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIR=PGC62062,R=F	
PGC 62062		Galaxy	
Jun 20 2004 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIR=PGC62058,R=F	
PGC 62080		Galaxy SB	
Jun 20 2004 31"	17mmT4	PF,VS,EL,VFSNUC,*NUC,R=F	
PGC 62237		Galaxy Sb-c	
Jun 20 2004 31"	17mmT4	PF,MS,UB,NND,B* IN GLXY,PAIRS=6688/PGC62245,R=P	

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PGC 62245		Galaxy Sb
Jun 20 2004 31"	17mmT4	MF,PS,EDGE ON,FSNUC,TAPERED ENDS,PAIRS=6688/PGC62237,R=F
PGC 62251		Galaxy S
Jun 20 2004 31"	17mmT4	MF,VS,OVAL,VBSNUC,R=F
PGC 62403		Galaxy S
Sep 19 2004 31"	17mmT4	VDIF,EF,PS,PATCH,AV,PAIR=6703,R=P
PGC 62432		Galaxy Sdm:
Sep 19 2004 31"	17mmT4	VF,VS,R,*NUC OR * IN GLXY,R=P
PGC 62500		Galaxy S0/a
Sep 19 2004 31"	17mmT4	PF,PS,OVAL,FSNUC,2*S BOTH SIDES,SBM,PAIRS=PGC'S,MAC,R=F
PGC 62506		Galaxy Sdm:
Sep 19 2004 31"	17mmT4	VDIF,EF,MS,EL,PATCH,NND,3F*S IN LINE POINT TO TIP,PAIRS=PGC'S,MAC,R=P
PGC 62509		Galaxy S?
Sep 19 2004 31"	17mmT4	VF,MS,EL,PATCH,UB,NND,KEEP B* OUT OF FOV,* NEXT TO NUC,PAIRS=PGC'S,MAC,R=P
STEPH 1		Open Cluster IV 3 p
May 30 2022 36"	17mmT4	(IV 3 p),EF,EEL,FILLS FOV,B&F*S,SOME CL DET,FIELD RICH OF *S,(2:16am),R=F

Monoceros - The Unicorn

BI	9		Open Cluster II 2 m	
Nov 13 2020	36"	17mmT4	(II 2 m),MF,PL,~40*S,1 B* IN CL,REST SIM MAG,EASILY DET,NICE FOV,(4:20am),R=F	
CR	95		Open Cluster III 2 p n	
Mar 18 2007	31"	31mmT5	VB,VL,~20*S VAR MAG,LOOSELY SC,LTL CL,R=F	
CR	115		Open Cluster IV 2 m	
Mar 18 2007	31"	17mmT4	VB,EL,~50*S,GOOD CL,SIM MAG WITH FEW BTR *S,NICE,R=G	
IC	446		Brt Nebula bipolar	
Mar 18 2007	31"	31mmT5	PB,ML,W/OIII,NEB PATCH SUR B* IN CNTER,OIII DOESNOT HELP MUCH,R=G	
IC	448		Brt Nebula R	
Mar 18 2007	31"	17mmT4	VF,VL,W/OIII,B* WITH FHALO,BEST WITH OIII,PATCHY AREAS DET,R=F	
IC	466		Brt Nebula E+R	
Mar 18 2007	31"	17mmT4	MF,PS,W/OIII,F BLUE BALL WITH NEB DET,OIII HELPS SMWHT RICH * FOV,R=F	
IC	2169		Brt Nebula R	
Mar 05 2021	36"	31mmT5	(Lb 4),DIF,VF,EL,W/UHC,NEB DET SUR *S IN THE AREA,SOME PATCHES DET WITH AV,CR 95 INSIDE	
Mar 18 2007	31"	31mmT5	IC2169,WHO IS WHO,OIII DOES NOT HELP,(9:54pm),R=P	
			MF,EL,W/OIII,FILLS FOV,NEB PATCHES ALM LOOSE CL,=CR95,R=G	
IC	2177		Brt Nebula E	
Mar 05 2021	36"	31mmT5	(Lb 3),DIF,EF,EEEL,W/OIII,5-7 FOV'S,SLEW AREA,SOME F PATCHES DET HERE AND	
Mar 18 2007	31"	31mmT5	THERE,(10:54pm),R=P	
			DIF,MF,EEL,W/OIII,10-15 FOV'S,E L AREA OF NEB WITH OC'S WITHIN,SCAN,R=F	
NGC	2149		Brt Nebula R	F,*12INV
Mar 04 2021	36"	31mmT5	(Lb 4),DIF,VF,VS,W/OIII,PATCH SUR F*,EASILY DET W/O OIII,BEST IN 17MM W/O OIII,(9:37pm),R=PF	
Mar 18 2007	31"	17mmT4	PB,PL,SHISB,B* WITH LOTS OF PATCHY NEB,OIII DOESNOT HELP MUCH,R=G	
NGC	2170		H19-4	Brt Nebula R
Mar 04 2021	36"	31mmT5	(Lb 1),DIF,PB,MS,OVAL PATCH SUR *,SOME GRAN,W/OIII,MUCH BTR,EDGES SMWHT DEF,OVAL,FEW	*9 INV,PL,NEB,E170
Oct 05 2002	12.5"	9mmT6	VF*S NEXT TO NEB,(9:45pm),R=FG	
			PB,ML,B NEB SUR B*,NEB MHISB	
NGC	2182		H38-4	Brt Nebula R
Mar 04 2021	36"	31mmT5	(Lb 1),DIF,MB,PS,W/OIII,LIKE B BLUE PL NEB SUR BY NEB,PATCH,SMWHT GRAN,VF*S IN EDGE OF	PB**,L*NEB,E90
Nov 24 2006	12.5"	17mmT4	NEB,(9:55pm),R=F	
Oct 05 2002	12.5"	9mmT6	DIF,MF,VS,VF* WITH FT AREA OF NEB,OIII DOES NOT HELP,R=F	
			SUSP ONLY,F* OFF TO ONE SIDE,LOC GOOD	
NGC	2183		Brt Nebula R	EF,S,LE,*11,12SP
Mar 04 2021	36"	17mmT4	(Lb 3),DIF,VF,VS,W/O OIII,VF* WITH NEB PATCH,EDGES NOT DET,OIII NO DOESNOT HELP,BEST IN	
Nov 24 2006	12.5"	17mmT4	31MM W/O OIII,N2185 CLOSE,(10:08pm),R=F	
			DIF,VF,VS,SLT NEB DET AMONG *S,PAIR=2185,R=P	
NGC	2185		H20-4	Brt Nebula R
				*11\$4S*IN VF,L,NEB

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NGC 2185		H20-4	Brт Nebula R	*11\$4S*IN VF,L,NEB
Mar 04 2021 36"	17mmT4	(Lb 3),DIF,MF,VS,W/O OIII,PATCH SUR *,OIII DOES NOT HELP MUCH,BEST IN 31MM W/O OIII,N2183 CLOSE,(10:04pm),R=PF		
Nov 24 2006 12.5"	17mmT4	DIF,MF,VS,S PATCH OF NEB SUR *,PAIR=2183OIII DOES NOT HELP,R=F		
Aug 21 1982 12.5"	24mm	MB,PS,B* JUST TO S,R,GBM,B CNTR RGN		
NGC 2215		H20-7	Open Cluster II 2 m	CL,CL,PRI,PC,ST11.15
Feb 25 1984 12.5"	24mm	SAME		
Oct 16 1982 12.5"	24mm	MF,PL,LOOSE AND SC,~20*S,WELL DEFINED		
NGC 2219			Open Cluster	CL,P,VLC,*6,11...12
Nov 24 2006 12.5"	17mmT4	MB,PS,~10*S,FEW B*S,LOOSELY SC,SLT CL,R=F		
NGC 2225		H26-7	Open Cluster cluster?	CL,P,LCM,*12...15
Nov 24 2006 12.5"	17mmT4	MF,VS,~5*S?,CAN'T TELL TWO APART,PAIR=2226,APPEAR AS ONE OBJ,R=P		
NGC 2226			Open Cluster	S,VDIFFIC,*10CLOSE S
Nov 24 2006 12.5"	17mmT4	MF,VS,~5-10*S,F GLOW,SLT CL,EL IN SHAPE,PAIR=2225,R=F		
NGC 2232		H25-8	Open Cluster III 2 p	B* 10MON +CL
Nov 13 2020 36"	55mm	(III 2 p),EB,EL,SOME NEB SUR BTEST *,~20*S WIDELY SDISPERSED,(3:35am),R=PF		
Oct 16 1982 12.5"	24mm	VB,VL,BKN IN 2 HALVES,12*S LOOSE AND SC,USE FINDER		
NGC 2236		H5-7	Open Cluster II 2 m	CL,PRI,PC,*10,12..15
Oct 05 2002 12.5"	9mmT6	PB,PL,~50*S VAR MAG,*S SPR INTO CNTR		
NGC 2237			Brт Nebula E	PB,VVL,DIF,(2238)
Nov 13 2020 36"	31mmT5	(Lb 1),DIF,VB,EEL,W/OIII,VB PATCHES,DARK AREAS,DEF EDGES SOME AREAS,FINE DETAIL WHEN SCANNING,N2244 IN LBN,(3:54am),R=GE		
Mar 18 2007 31"	31mmT5	VB,EEL,HISB,W/OIII,4-5 FOV'S,SCAN AREA,PATCHY,DUST,DISTINCT FEATURES,R=E		
Oct 31 1980 12.5"	24mm			
NGC 2239			Open Cluster II 3 p	*8 IN L,P,BCL
Mar 20 2007 31"	31mmT5	MB,VL,~20*S,FEW BTR W/F BG,SOME CL,LOOSE,R=P		
NGC 2244		H2-7	Open Cluster II 3 r n	CL,BEAUTIFUL,STSC
Nov 13 2020 36"	55mm	(II 3 m n),EB,EL,JUST FITS IN FOV,~60*S,SVRL VB*S,LOC IN N2237,NEB W/OIII,(3:42am),R=PF		
Mar 18 2007 31"	31mmT5	EB,EEL,SVRL FOV'S,NICE,FEW B*S WITH VAR MAG,LOOSELY SC,R=G		
Feb 25 1984 12.5"	24mm	SAME		
Aug 21 1982 12.5"	24mm	MB,VL,SC,7...9 MAG *S,~20*S,ALM FILLS 24MM FOV		
Sep 10 1980 12.5"	24mm			
NGC 2245		H3-4	Brт Nebula R	PL,COM,MBN SFALM*
Mar 05 2021 36"	31mmT5	(Lb 1),DIF,MB,MS,W/UHC,* ON EDGE,NEB 'U' SHAPED,SOME GRAN,OIII DARKENS FOV,F* IN EDGE BTR,N2247 CLOSE,(10:00pm),R=FG		
Oct 05 2002 12.5"	9mmT6	PB,PL,DIF NUBULA,CLOSE TO A B*,NEB OFF SET FROM *,MHISB		
NGC 2246			Brт Nebula EN	EEF,L,IRRR,EDIFFIC

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NGC 2246		Brт Nebula EN	EEF,L,IRRR,EDIFFIC
Mar 20 2007 31"	31mmT5	DIF,MF,VL,W/OIII,PART OF ROSETTE,RIDGE OF NEB DET,SCAN,OIII HELPS,R=G	
NGC 2247		Brт Nebula R	NEB*IN EF,EL NEBY
Mar 05 2021 36"	31mmT5	(Lb 1),DIF,MB,MS,W/UHC,* IN CNTR OF PATCH OF NEB,GRAN,SLT L THAN N2245,EDGES FADE AWAY,OIII,CNTR RGN BTR,(10:01pm),R=FG	
Oct 05 2002 12.5"	9mmT6	PB,MS,DIF NEB AOURND B*,MHISB	
NGC 2250		Open Cluster IV 2 p	CL,PRI,LC,IF,*812.14
Mar 18 2007 31"	17mmT4	VB,VL,~20"S,MOSTLY SAME MAG,SMWHT CL,LOOSE,SC,R=P	
NGC 2251		H3-8	Open Cluster III 2 m
Feb 25 1984 12.5"	24mm	SAME	CL,VL,E,RI,LC
Oct 16 1982 12.5"	24mm	LOOSE AND SC,RECTANGLE SHAPE,~40"S,ALM FILLS 24MM FOV	
NGC 2252		H50-8	Open Cluster III 2 m n
Oct 05 2002 12.5"	24mm	PB,PL,~50"S SC AND LOOSE,DIFF MAG	CL,VL,PRI,LC,STS
NGC 2254		H22-7	Open Cluster I 1 m
Oct 05 2002 12.5"	9mmT6	MB,PS,SC,*S DIFF MAG,NICE IN 9MM	CL,S,PC,IF,*11...13
NGC 2259		H28-6	Open Cluster II 1 p n
Oct 05 2002 12.5"	9mmT6	MF,ML,E,WELL PLACED IN 9MM,*S ~SAME MAG	CL,CRI,EC,IF,ST ES
NGC 2260		H48-8	Open Cluster cluster?
Mar 18 2007 31"	31mmT5	VB,EL,~15"S,FEW B*,MOST SAME MAG,V LTL CL,LOOSE,R=P	CL,VL,P,VLC,ST L\$S
NGC 2261		H2-4	Brт Nebula E+R
Mar 04 2021 36"	17mmT4	(Lb 1),DIF,VB,VL,W/OIII,NEB MORE DETAILED,GRAN,(10:25pm),R=E	B,VME330,N COM=*11
Mar 04 2021 36"	31mmT5	(Lb 1),DIF,VB,ML,W/O OIII,V SHARP 'V' SHAPE WITH BGN/BL * AT POINT,BEST VIEW TO DATE,SOFT DET IN NEB,TAIL FADES AWAY,(10:23pm),R=EE	
Oct 05 2002 12.5"	9mmT6	PB,ML,TRIANGLE SHAPE,F* AT HEAD,COMET LIKE,NEB UB,MHISB	
Oct 31 1980 12.5"	24mm		
Sep 10 1980 12.5"	24mm	COMET LIKE APP,NICE	
NGC 2262		H37-7	Open Cluster II 1 m
Mar 18 2007 31"	17mmT4	MB,ML,3-4 BTR *S,NO CL DET,F BG GLOW,R=P	CL,VC,IR,BM,ST ES
NGC 2264		H5-8	Open Cluster III 3 m n
Mar 05 2021 36"	31mmT5	(III 3 p n),VB,PL,W/OIII,LOOSELY SC,VAR MAG,NEB SUR BTEST *S,SH2-273 SUR N2264,(10:15pm),R=F	15MON,CL,**,(NEB)
Feb 25 1984 12.5"	24mm	SAME	
Oct 16 1982 12.5"	24mm	MF,ML,11 F"S SUR A B* WITH AN OVAL PATCH OF NEB	
Sep 10 1980 12.5"	24mm		
NGC 2269		H3-6	Open Cluster II 1 p
Oct 05 2002 12.5"	9mmT6	PB,ML,EL,* DIFF MAG,~10...11 MAG	CL,VMC,NOT RI,ST VS
NGC 2282		Open Cluster R	*10IN F,R,NEBY

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NGC 2282			Open Cluster R	*10IN F,R,NEBY
Mar 18 2007 31"	17mmT4	VF,ML,FEW *S,NO CL,VF BG GLOW OF NEB,OIII DOES NOT HELP,R=P		
NGC 2286		H31-8	Open Cluster III 2 m	CL,L,C,AB100*9...15
Feb 25 1984 12.5"	24mm	SAME		
Oct 16 1982 12.5"	24mm	MF,EL,V POOR,NO CL DET		
NGC 2301		H27-6	Open Cluster I 3 r	CL,RI,L,IF,ST L\$\$
Feb 25 1984 12.5"	24mm	SAME		
Oct 16 1982 12.5"	24mm	MB,VL,~50*S,LOOSE SC,V SHAPE,SOME PARTS CL BY THEMSELVES		
NGC 2302		H39-8	Open Cluster III 2 m	CL,L,P,LC
Oct 05 2002 12.5"	9mmT6	MB,ML,~30*S,LOOSE		
NGC 2306		H51-8	Open Cluster cluster?	CL,P,VLC
Mar 18 2007 31"	31mmT5	VB,EL,NO CL DET,RICH * FOV,SC,VAR MAG,R=P		
NGC 2309		H18-6	Open Cluster I 2 m	CL,PL,PRI,MC,ST13
Oct 05 2002 12.5"	9mmT6	PB,PL,SCATERED,NICE IN 9MM,*S ~SAME MAG		
NGC 2311		H60-8	Open Cluster III 2 m	CL,LC,NOT RI
Oct 16 1982 12.5"	24mm	MF,ML,~40*S SAME MAG,R		
NGC 2313			Brn Nebula bipolar I	F,VS,R
Mar 18 2007 31"	17mmT4	MG,MS,F NEB PATCH SUR F*,SBM,NOT VISIBLE IN OIII,R=P		
NGC 2316		H304-2	Brn Nebula E+R	PF,S,R,R,S ST INV
Oct 05 2002 12.5"	9mmT6	EL,MHISB,DIF NEB,APPEARS AS AN IRR GLXYAXY		
NGC 2323	M50		Open Cluster II 3 r	CL,VL,RI,PC,E,
Mar 08 2013 36"	17mmT4	MESSIER MARATHON 2013		
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984 10"	20mm	SAME		
Feb 25 1984 12.5"	24mm	SAME		
Mar 27 1982 12.5"	24mm	MB,PL,HUNDREDS OF *S SAME MAG,SMWHT SET ASIDE FROM FIELD *S		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
Sep 10 1980 12.5"	24mm			
NGC 2324		H38-7	Open Cluster II 2 r	CL,L,RI,CC,ST12...16
Feb 25 1984 12.5"	24mm	SAME		
Oct 16 1982 12.5"	24mm	VF,ML,~100*S,BG GLOW,SOME B*S IN CL,WELL PLACED		
NGC 2335		H32-8	Open Cluster III 2 m n	CL,L,LC
Mar 05 2021 36"	31mmT5	(II 2 m),VB,VL,LOOSELY SC,CL DET,MOST * SAME MAG,R=F		
Feb 25 1984 12.5"	24mm	SAME		
Oct 16 1982 12.5"	24mm	MF,MS,~30*S,LOOSE AND SC,CLOSE TO 2343		

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NGC 2338		Open Cluster asterism?	CL,VLC
Mar 18 2007 31"	17mmT4	MB,ML,APPEARS TO BE A CL ~20-30"S,VAR MAG,CLASTER,R=P	
NGC 2343		H33-8	Open Cluster II 2 p n
Feb 25 1984 12.5"	24mm	SAME	CL,CL,P,LC
Oct 16 1982 12.5"	24mm	MB,ML,~15"S,LOOSE,SC	
NGC 2346		H65-4	Planetary Neb 3b+4
Dec 28 2008 31"	17mmT4	VB,PL,R,HISB,B CNTR*11,B GREENISH,MORE NEB WITH AV,OIII DOESNOT HELP MUCH,R=E	*10AFF W/ S,VF,NEB
Oct 05 2002 12.5"	9mmT6	PB,PS,BNUC,VBM,CNTR * ~8 MAG,R,HISB,BLUE GREEN CNTR RGN	
NGC 2353		H34-8	Open Cluster III 3 p
Mar 03 2021 36"	55mm	(III 3 p),PB,PL,~20"S L OOSLY SC,VAR MAG,1 B* IN CL,STANDS OUT WELL IN FOV,NICE,(8:23pm),R=PF	CL,L,LC,ONEVB*
Feb 25 1984 12.5"	24mm	SAME	
Oct 16 1982 12.5"	24mm	MB,ML,OVAL,SC,1 B* IN EDGE OF CL,WELL PLACED	
NGC 2364		Open Cluster cluster?	CL,PC,ST PL,BIFID
Mar 18 2007 31"	17mmT4	MB,ML,2 GRP,S OF *S IN 2 HALVES,~20"S,LTL CL EFF,BKN,R=F	
NGC 2368		Open Cluster IV 1 p	CL,S,PRI,ST15
Mar 18 2007 31"	17mmT4	MB,ML,~20"S,LOOSELY CL,SIM MAG,SC,WELL PLACED FOV,R=F	
NGC 2377		Galaxy SA(s)c:	EF,VS*INV,*11S
Mar 18 2007 31"	17mmT4	MB,MS,EL-OVAL,F* BOTH ENDS,VF* SUR NUC,*NUC,* OR PATCH IN GLXY,R=F	
NGC 2494		Galaxy (R')SB(rs)0/a	F,S,LE
Mar 18 2007 31"	17mmT4	MF,MS,OVAL,VFLNUC,VF* ON EDGE,PATCHY CNTR,SHISB CNTR,R=F	
NGC 2506		H37-6	Open Cluster I 2 r
Oct 16 1982 12.5"	24mm	MF,ML,SC 'S SUR CLDENSE CL TOWARDS CNTR,~60"S	CL,PL,VRI,C,*11...20
SH2 273		Brt Nebula E	
Mar 05 2021 36"	31mmT5	(Lb 1-4),DIF,VF,EEEL,W/OIII,SEV FOV'S,SLEW,SOME AREAS HAVE DARK AREAS (SUR B39),BTEST PART SUR OPCL N2264,NEB PATCHES & WISPS DET,GRAN IN SPOTS,(10:20pm),R=PF	
SH2 280		Brt Nebula E	
Mar 05 2021 36"	31mmT5	(Lb 6),DIF,EF,W/OIII,JUST A HINT OF NEB SUR A B* IN FOV,UHC NOT MUCH BTR,(10:11pm),R=P	
SH2 282		Brt Nebula E	
Mar 05 2021 36"	31mmT5	(Lb 6),DIF,W/OIII,NO FIND,LOC GOOD,(10:30pm),R=P	
Mar 18 2007 31"	31mmT5	MF,EEL,W/OIII,4-5 FOV'S,SCAN,SVRL AREAS OF NEB DET,DISTINCT SHAPES,R=G	
SH2 292		Brt Nebula E+R	
Mar 05 2021 36"	31mmT5	(Lb 5),DIF,EF,MS,W/OIII,VF PATCH DET WITH AV JUST S OF B*,(10:45pm),R=P	
Mar 04 2021 36"	31mmT5	(Lb 2),DIF,PB,EEL,W/OIII,SVRL FOV'S,PATCHY AREAS,DARK LANE STR IN CNTR BY B*,EDGES FADE,(10:36pm),F=G	

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VDB 69

Brt Nebula R

Mar 04 2021 36" 31mmT5 (Lb 2),DIF,MB,VS,W/OIII,LIKE B BLUE VS PL NEB SUR BY OVAL FT NEB,(9:49pm),R=F

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CR	331		Open Cluster II 1 m
May 12 2021	36"	31mmT5	(IV 2 m),VB,VL,~50*S MOSTLY SAME MAG WITH FEW BETER **S,LOOSELY SC,V LTL CL,RICH * FOV,(2:35am),R=F
DOL	27		Open Cluster IV 2 p n
May 12 2021	36"	55mm	(IV 3 p),VB,EL,FILLS FOV,NICE,~20*S VAR MAG,WIDELY SC,(1:02am),R=F
HP	1		Globular
Jun 28 2019	36"	17mmT4	(Class XII ?),EF,VS,PATCH UC,AV HOLDS,R=P
IC	1242		Galaxy S?
Jun 27 2003	12.5"	9mmT6	MF,MS,PATCH,UB,NND,PAIR=6296,R=F
IC	1255		Galaxy S
May 16 2004	31"	17mmT4	MF,MS,PATCH,UB,NND,VF* IN GLXY,R=F
IC	1257		Globular
Jun 28 2019	36"	17mmT4	(Class X),VF,VS,PATCH UB,NND,WORST GC TO DATE,R=P
May 16 2004	31"	17mmT4	DIF,VF,ML,OVAL,UB,LOC IN BARRON * FIELD,R=P
IC	4603		Brn Nebula R
May 12 2021	36"	55mm	(Lb 4),EF,VL,W/OIII,S PATCH NEB DET SUR ** SE SIDE,EDGES FADE,W/O FILTER NO NEB,(12:52am),R=P
Jun 19 2004	31"	17mmT4	DIF,WITH OIII IN FINDER,SLT HINT OF NEB,2 B*S IN CNTR,NEB SUSP IN 25MM,R=P
IC	4604		Brn Nebula R
May 12 2021	36"	55mm	(Lb 4),DIF,EF,VL,W/OIII,SL BTR THAN IC4603,NEB DET SUR TRI **S,EDGES NOT WELL DEF,(12:59am),R=PF
Jun 19 2004	31"	17mmT4	DIF,EF,EL,WITH OIII IN FINDER,SLT HINT OF NEB,3 B*S IN CNTR,R=P
IC	4634		Planetary Neb 2a+3
May 17 2009	31"	17mmT4	PB,PS,B BLUEISH BALL,NO CNTR*,NEB ,EL W/TAPERED ENDS,OIII DOES NOT HELP,R=G
Jun 19 2004	31"	17mmT4	VF,PS,R,UB,WITH OIII,B BLUE,TAPERED ENDS,NO CNTR *,R=E
IC	4665		Open Cluster III 2 m
May 12 2021	36"	55mm	(III 2 m),EB,EEL,B*S W/F*S,SC,SEV FOV'S,BEST IN FINDER,CL DET,NICE FOV,(3:19am),R=P
Jul 01 2019	36"	17mmT4	EB,EEL,~20*S LOOSELY CL,SVRL FOV'S,BTR IN FINDER,R=F
Jun 18 1980	12.5"	32mm	BEAUTIFUL!!!,VIS IN FINDER SHOWS NICE IN 32MM
Jun 10 1980	6"	24mm	
IC	4676		Galaxy
May 16 2004	31"	17mmT4	VDIF,EF,MS,PATCH,UB,NND,AV,R=P
IC	4688		Galaxy Scd:
May 16 2004	31"	17mmT4	VDIF,EF,MS,PATCH,UB,NND,R=P
IC	4691		Galaxy
May 16 2004	31"	17mmT4	PF,VS,PATCH,UB,VF* IN GLXY SUSP,R=F

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MAC 1723+1234		Galaxy	
May 16 2004 31"	17mmT4	EF,VS,PATCH,AV,PAIR=P60210,R=P	
MINK 2-9		Planetary Neb ?+6	
May 17 2009 31"	12mmT4	MB,PS,EL,V S CNTR RGN OR CNTR* ~12TH MAG,NEB ,EL (BAR) FROM CNTR*, LOOKS LIKE EDGE ON GLXY W/VSNUC,OIII DOES NOT HELP,R=F	
NGC 6171	M107	H40-6	Globular X
May 09 2010 31"	17mmT4	(Class VI),VB,VL,RSLV TO CORE,L OUTER HALO SC *S VAR MAG,R=E	GCL,L,VRI,VMC,R,RRR
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Jul 21 1984 12.5"	16mm	SAME	
Aug 13 1982 12.5"	16mm	MB,PL,SBM,R,3B*S SUR OBJ,SOME F* SC	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Sep 10 1980 12.5"	24mm		
Jul 11 1980 12.5"	24mm		
Jun 18 1980 12.5"	24mm		
Jun 10 1980 6"	24mm		
May 07 1980 5"	9mm		
Apr 16 1980 6"	24mm		
NGC 6218	M12	Globular	GCL,VB,VL,IR,GMBM
May 05 2021 36"	17mmT4	(Class IV),EEB,EL,SLT S THAN M10,RSLV TO CORE,F DEEP PATCHY GLOW OF *S IN NUCLEUS,BEST TO DATE,R=EE	
Jun 25 2019 36"	17mmT4	(Class III),EB,EL,SPYDER LIKE B*S,FTR *S IN CORE,RSLV,WELL PLACED IN FOV,CORE IS RECT SHAPE,R=EEE	
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Jul 21 1984 12.5"	16mm	EB,VL,BNUC,B* OUTSIDE CNTR,MANY B*S RSLV,MHISB,HUNDREDS OF FIELD *S	
Jun 04 1981 12.5"	24mm	EB,EL,BNUC,6 MAG *S	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Sep 10 1980 12.5"	24mm		
Jul 11 1980 12.5"	24mm		
Jun 18 1980 12.5"	24mm		
Jun 10 1980 6"	24mm		
May 07 1980 5"	9mm		
Apr 16 1980 6"	24mm		
NGC 6220		Galaxy SA(s)ab?	EEF,PS,IR,3F*S
Jun 27 2003 12.5"	9mmT6	PF,MS,PATCH,UB,NND,R=F	
NGC 6234		Galaxy	F,S,R
Jun 27 2003 12.5"	9mmT6	DIF,VF,MS,PATCH,UB,R=P	
NGC 6235		H584-2	Globular X
Jun 25 2019 36"	17mmT4	(Class X),FEW BTR *S,F CORE RECT SHAPE,BTR *S SC,R=G	PB,CL,IR,RRR,*14..16
Jul 21 1984 12.5"	16mm	VDIF,VF,MS,F PATCH,F TRI OF *S SUR OBJ	
Jun 04 1981 12.5"	24mm	DIF,MB,ML,10 MAG *S	
Jun 18 1980 12.5"	24mm	VF,3F*S SUR OBJ	
NGC 6240		Galaxy I0: pec	VF,PL,LE,DIF

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NGC 6240		Galaxy I0: pec	VF,PL,LE,DIF
Jun 27 2003	12.5" 9mmT6	PB,ML,OVAL-R,SHISB,B* IN GLXY,R=G	
NGC 6254	M10	Globular	GCL,B,VL,R,GVMBM,RRR
May 05 2021	36" 17mmT4	(Class VI),EEB,EL,RSLV TO CORE,F DEEP PATCHY GLOW OF *S IN NUCLEUS,BEST TO DATE,R=EE	
Jun 25 2019	36" 17mmT4	(Class VI),100'S *S RSLV,BTR *S W/MANY FTR,WELL PLACED IN FOV,R=EEE	
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Jul 21 1984	12.5" 12mm	VB,VL,BNUC,BTR THAN M12,CORE RESOLVING WITH F BG GLOW,HISB	
Jun 04 1981	12.5" 24mm	EB,PL,BNUC,6 MAG *S	
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Sep 10 1980	12.5" 24mm		
Jul 11 1980	12.5" 24mm		
Jun 18 1980	12.5" 24mm		
Jun 10 1980	6" 24mm		
May 07 1980	5" 9mm		
Apr 16 1980	6" 24mm		
NGC 6266	M62	Globular	GCL,VB,L,GMBM,RRR,
Jun 25 2019	36" 17mmT4	(Class IV),EB,EL,BNUC,HISB,100'S *S RSLV TO CORE,MBM,*S SIM MAG, WELL PLACED,R=EEE	
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Jun 04 1981	12.5" 24mm	MB,ML,BNUC	
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Jun 18 1980	12.5" 24mm		
Jun 10 1980	6" 24mm		
NGC 6273	M19	Globular	GCL,VB,L,R,VCM,RRR
Jun 25 2019	36" 17mmT4	(Class VII),EB,EL,WELL PLACED,100'S *S RSLV,SOFT LNUC,R=EEE	
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Jul 21 1984	12.5" 16mm	MB,PL,BNUC,B* JUST OUTSIDE CORE,NOT MANY *S RSLV,HISB	
Jun 04 1981	12.5" 24mm	MB,ML,BNUC	
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Jun 18 1980	12.5" 24mm		
NGC 6280		Galaxy L	PB,S,LE
Jun 27 2003	12.5" 9mmT6	PF,MS,OVAL,PATCH,UB,NND,R=F	
NGC 6284		H11-6 Globular IX	GCL,B,L,R,CM,ST16...
Jun 25 2019	36" 17mmT4	(Class IX),MB,ML,L DISBURSED UB *S SUR TIGHT BNUC,R=G	
Jul 21 1984	12.5" 16mm	PF,PS,FNUC,NOT RSLV,SBM,PATCHY	
Jun 04 1981	12.5" 24mm	MB,PL,BNUC	
Jun 18 1980	12.5" 24mm		
Jun 18 1980	12.5" 24mm	BTR THAN 6287,BNUC	
NGC 6287		H195-2 Globular XII	GCL,CB,L,R,GPMC,RRR
Jun 28 2019	36" 17mmT4	(Class XI),MF,MS,US,*S UB SPREAD CLOST TO NUC,NOT MUCH * BIN CNTR,R=FG	
Jul 21 1984	12.5" 16mm	VDIF,VF,MS,OVAL,UB,NO *S RSLV	
Jun 04 1981	12.5" 24mm	DIF,PF,MS	

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NGC 6287		H195-2	Globular XII	GCL,CB,L,R,GPMC,M,RRR
Jun 18 1980	12.5" 24mm	EF,NND,LOC IN BARREN * FIELD		
NGC 6293		H12-6	Globular IV	GCL,VB,L,R,PSBM,ST16
Jun 28 2019	36" 17mmT4	(Class III),MB,PS,*S RSLV TO CORE,SNUC,R=G		
Jul 21 1984	12.5" 12mm	MB,PL,BNUC,R,SBM,NO *S RSLV		
Jun 04 1981	12.5" 24mm	MB,ML,BNUC		
Jun 18 1980	12.5" 24mm			
NGC 6296			Galaxy SAB(s)bc:	PB
Jun 27 2003	12.5" 9mmT6	MF,MS,PATCH,FNUC,VSNUC,PAIR=IC1242,R=F		
NGC 6304		H147-1	Globular XI	GCL,B,CL,R,LBM,RRR
Jun 28 2019	36" 17mmT4	(Class XI),MF,MS,UB,PATCH OF *S,NO BM,R=G		
Jun 04 1981	12.5" 24mm	DIF,MF,PS		
Jun 18 1980	12.5" 24mm			
NGC 6309			Planetary Neb 3b+6	B,S,BET2*VNR
May 18 2009	31" 17mmT4	VB,ML,B BLUEISH,HISB,F* ON END,VF* OFF SIDE TOUCH,NO CNTR*,BOX LIKE NUC RGN FT NEB EXTENDED OFF SIDES,RECTANGLE SHAPE,OIII DOESNOT HELP MUCH,R=E		
Jul 21 1984	12.5" 12mm	VF,ES,DBL * TO W,F* JUST N SIDE,B BAR N-S DET,NSS,MHISB		
Jun 04 1981	12.5" 16mm	WITH 2X BARLOW,BLUE,BESIDE F*,NO CNTR * DET		
NGC 6316		H45-1	Globular III	GCL,CB,PS,R,GVMBM
Jun 28 2019	36" 17mmT4	(Class XI),MF,MS,R,UB,HARD TO RESOLVE *S,R=G		
Jun 04 1981	12.5" 24mm	DIF,MF,MS		
NGC 6325			Globular	PF,L,R,RR
Jun 28 2019	36" 17mmT4	(Class XII),MF,MS,PATCH,UB,NO *S RSLV,F SOF GLOW IN NUC,R=FG		
Jun 04 1981	12.5" 24mm	DIF,EF,ML,LOCATED N OF DBL *		
NGC 6333	M9		Globular	GCL,B,L,R,ECM,RRR,
Jun 28 2019	36" 17mmT4	(Class VI),MB,ML,*S RSLV INTO CORE,LOOSELY SC,R=G		
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Jul 21 1984	12.5" 12mm	MB,ML,BNUC,OUTER *S RSLV,HISB,*S GLOWING BEHIND		
Jun 04 1981	12.5" 24mm	MB,ML,BNUC		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jul 11 1980	12.5" 24mm			
Jun 18 1980	12.5" 24mm			
Jun 10 1980	6" 24mm			
Apr 16 1980	6" 24mm			
NGC 6342		H149-1	Globular IV	CB,PS,LE,ER
Jun 28 2019	36" 17mmT4	(Class VII),MF,PS,MHISB,FEW *S RSLV,SOFT MHISB CORE,S PATCH JUST OF NUC,R=FG		
Jul 21 1984	12.5" 12mm	VF,VS,VF* ON S EDGE,PATCH-UB,NO I'S RSLV		
Jun 04 1981	12.5" 24mm	DIF,PF,PS		
Jun 18 1980	12.5" 24mm	VS,LOOKS LIKE NEB		

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NGC 6342		H149-1	Globular IV	CB,PS,LE,ER
Jun 10 1980	6"	24mm	VF,HARD TO SEE	
NGC 6355		H46-1	Globular	CF,L,R,GBM,RRR
Jun 28 2019	36"	17mmT4	(Class XI),PF,PS,S TIGHT GRP OF F*S,UB,R=F	
Jun 04 1981	12.5"	24mm	DIF,PF,PS	
NGC 6356		H48-1	Globular II	GCL,VB,CL,VGMBM,RRR
Jun 28 2019	36"	17mmT4	(Class XI),MB,ML,UB,HALO OF F*S SUR SOFT UB NUC,R=G	
Jul 21 1984	12.5"	12mm	MB,ML,BNUC,R,HISB CNTR,*S NOT RSLV	
Jun 04 1981	12.5"	24mm	MB,ML,BNUC	
Jun 18 1980	12.5"	24mm		
Jun 10 1980	6"	24mm		
NGC 6366			Globular	F,L,VLBM
Jun 28 2019	36"	17mmT4	(Class XII),PF,ML,VF NUC,OUTER *S RSLV,SMWHT CL,LOOKS LIKE OPCL,R=F	
Jun 04 1981	12.5"	24mm	DIF,VF,EL,E OF B*	
NGC 6368			Galaxy Sb	F,S,E
Jun 08 2002	12.5"	16mm	DIF,PF,MS,EL13* TO EDGE,PATCHY,OVAL	
NGC 6369		H11-4	Planetary Neb 4+2	RINGNEB,PB,S,R
May 18 2009	31"	17mmT4	MB,ML,R,RESEMBLES M57,CNTR* ~15TH MAG,RING WITH FT NEB INSIDE,SMWHT BTR SUR CNTR*,OIII DOESNOT HELP MUCH,NEB SLT BTR,R=E	
Jun 04 1981	12.5"	24mm	GREEN,MF,MS,NO CNTR * DET	
Jun 18 1980	12.5"	9mm	GOOD,LOC BESIDE F*,DISK DET	
NGC 6378			Galaxy S?	VDIFFICULT
Jun 27 2003	12.5"	9mmT6	MF,MS,OVAL,PATCH,*NUC,SHISB,R=F	
NGC 6384			Galaxy SAB(r)bc	PB,S,VLE
Jun 27 2003	12.5"	9mmT6	PB,VL,EL,BNUC,VHISB,BLNUC,GMBM,R=E	
Jun 04 1981	12.5"	24mm	DIF,MF,ML,DIM HALO,NND	
NGC 6401		H44-1	Globular XIII	PB,PL,R,*12F INV
Jul 01 2019	36"	17mmT4	(Class XI),MB,ML,PATCH,UB,B* JUST OF CNTR OF NUC,OBLONG PATCH,R=G	
Jun 04 1981	12.5"	24mm	DIF	
NGC 6402	M14		Globular	GCL,B,VL,R,ERI,VGMBM
Jul 01 2019	36"	17mmT4	(Class VIII),EB,VL,RSLV OUTER *S TO CORE *S,MHISB NUC,R=E	
Apr 14 2004	31"	17mmT4	EB,EL,VBNUC,M14,100'S OF *S RSLV TO CORE,BEST TO DATE,L CORE AREA	
Mar 22 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Jul 21 1984	12.5"	12mm	MB,PL,BNUC,OUTER *S RSLV,R,HISB CNTR	
Jun 04 1981	12.5"	24mm	VB,VL	
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Jun 18 1980	12.5"	24mm		
Jun 10 1980	6"	24mm		

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NGC 6426		H587-2	Globular IX	VF,CL,E,VLBM
Jul 01 2019	36"	17mmT4	(Class XI),MF,MS,VF NUC,F OUTER **S RSLV INTO CNTR RGN,R=F	
Jun 04 1981	12.5"	24mm	DIF,MF,PS	
NGC 6509			Galaxy Sd	VF,PL,IRRR,LBM
Jun 27 2003	12.5"	9mmT6	MB,ML,FNUC,SHISB,SNUC,SBM,KEEP B* OUT OF FOV,R=G	
NGC 6517		H199-2	Globular IV	PB,PL,R,RR
Jul 01 2019	36"	17mmT4	(Class VII),MB,ML,R,HISB CNTR,GMBM,F OUTER HALO,R=G	
Jun 04 1981	12.5"	24mm	DIF,PF,PS	
NGC 6570			Galaxy SB(rs)m:	PF,PL,R
Jun 27 2003	12.5"	9mmT6	PB,PL,OVAL-R,NND,SHISB,PATCHY AREAS DET,R=G	
NGC 6572			Planetary Neb 2a	PLN,VB,VS,R,LHAZY
May 19 2009	31"	17mmT4	VB,ML,B BLUEISH GREEN (TORQUOISE),UNIQUE COLOR,BM,OIII L HALO NEB SUR BALL,R=E	
Jun 27 2003	12.5"	9mmT6	EB,PL,B BLUE,F HALO SUR CNTR REG,OUTER SHELL DET OIII FILTER,R=E	
Sep 21 1984	12.5"	12mm	PB,PS,BR BALL,CNTR * NOT DET,UB,HISB	
Jun 04 1981	12.5"	24mm	BLUE,MB,PS	
Jun 18 1980	12.5"	24mm	WITH BARLOW,LOOKS LIKE B* AT TIP OF TRI	
Jun 18 1980	12.5"	24mm	LOOKS LIKE B* AT TIP OF TRI	
Jun 18 1980	12.5"	9mm	VB BLUE WITH BARLOW AND 9MM,SHAPE EASILY DET	
Jun 18 1980	12.5"	9mm	WITH BARLOW SHAPE EASILY DET	
NGC 6615			Galaxy SB0+:	VF,VS
Jun 27 2003	12.5"	9mmT6	PB,ML,OVAL,BNUC,SHISB,BLNUC,GMBM,R=G	
NGC 6633		H72-8	Open Cluster III 2 m	CL,LC,ST L
Jun 04 1981	12.5"	32mm	EB,EL	
PAL 6			Globular	
Jul 01 2019	36"	17mmT4	(Class II),VF,VS,OVAL,VS NUC,FEW F*S RSLV,R=PF	
PGC 58994			Galaxy	
Apr 26 2003	12.5"	9mmT6	EDIF,EF,VS,PATCH,AV,FI* IN GLXY,R=P	
PGC 59025			Galaxy Scd: sp	
May 05 2021	36"	17mmT4	EF,ES,PATCH,AV COMES AND GOES,LOC GOOD,R=P	
Apr 26 2003	12.5"	9mmT6	EDIF,EF,VS,PATCH,AV,F* IN OR SUR GLXY,R=P	
PGC 59202			Galaxy	
Jun 27 2003	12.5"	9mmT6	VDIF,VF,VS,PATCH,UB,AV,R=P	
PGC 59441			Galaxy	
Jun 27 2003	12.5"	9mmT6	VDIF,EF,VS,PATCH,NND,AV,PAIR=PGC59451,R=F	
PGC 59451			Galaxy S?	

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PGC 59451		Galaxy S?
Jun 27 2003 12.5"	9mmT6	VDIF,EF,PS,PATCH,AV COMES AND GOES,PAIR=PGC59441,R=P
PGC 60169		Galaxy
May 16 2004 31"	17mmT4	VF,VS,PATCH,UB,NND,R=P
PGC 60181		Galaxy
May 16 2004 31"	17mmT4	PF,VS,PATCH,UB,NND,R=F
PGC 60210		Galaxy
May 16 2004 31"	17mmT4	OVAL,PATCH,FSNUC,PAIR=MAC,R=F
PGC 60417		Galaxy
Jun 27 2003 12.5"	9mmT6	VDIF,VF,VS,PATCH,UB,AV,R=P
PGC 61300		Galaxy Scd:
Sep 28 2013 36"	17mmT4	PF,MS,EDGE ON,UB,NND,* IN OUTER THIRD,VF* OTHER SIDE,PA~0,R=F

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ABELL 12**Planetary Neb**

Jan 24 2004 31" 16mmT5 MF,PL,OVAL,UB,SHISB,WITH OIII,R=G
 Jan 24 2004 31" 17mmT4 NEB NOT VISIBLE WITHOUT OIII,R=P
 Jan 24 2004 31" 24mmTP MF,MS,OVAL,UB,MHISB,WITH OIII,* CLOSE BY ALM TOUCH,R=G

B 33**Drk Nebula Ir**

Oct 12 2012 36" 17mmT4 VF,VL,W/HBETA,BEST TO DATE,HH EASILY DET,COULD EASILY FOLLOW IC434 OUTLINE FROM BOTH SIDES OF HH NECK,R=E
 Dec 19 2006 31" 31mmT5 VF,PL,W/H-BETA,SHAPE AND OUTLINE EASILY DET,IC434 BG NEB EASILY DET,R=E
 Feb 20 2006 31" 31mmT5 W/BETA,VF,EL,DARK NEB,ABSOLUTELY AMAZING,STR,OUTLINE,DUST,GAS,R=E
 Dec 07 2005 31" 31mmT5 VDIF,MF,VL,W/BETA,FIRST VIEWING WITH 31MM/BETA,AWSOME,COMPLETE OUTLINE DET,IC434 BG GAS DET,R=E
 Feb 15 2004 31" 12mmT4 H-BETA FILTER,L DARK AREA EASILY SEEN,SHAPE NOT AS NOTICABLE,40MM BTR,R=F
 Feb 15 2004 31" 40mm DARK NEB,VF,ML,H-BETA FILTER,AWSOME,ENTIRE SHAPE DET,BEST TODATE,R=E
 Jan 24 2004 31" 17mmT4 WITHOUT OIII,JUST BARELY ABLE TO DETECT DARD AREA,LOC GOOD,R=P
 Jan 24 2004 31" 24mmTP HORSEHEAD NUB,JUST ABLE TO NOTICE A DARK AREA,LOG GOOD,R=P

CR 69**Open Cluster III 3 p n**

Nov 13 2020 36" 17mmT4 (III 3 p n),W/OIII,NEB DET SWEEPING AREA,SVRL FOV'S,(3:05am),R=P
 Nov 13 2020 36" 55mm (III 3 p n),EB,EEEL,VB* IN CL,TOO L FOR ANY EYEPIECE,BEST IN FINDER (50% FOV),NEB DET,(3:01am),R=P

IC 392**Galaxy S0**

Sep 30 2005 31" 17mmT4 MF,MS,EL-OVAL,FLNUC,VF* IN EDGE,R=F

IC 395**Galaxy S0:****EF, VS, R, F* CLOSE F**

Oct 04 2005 31" 17mmT4 PF,PS,OVAL,FSNUC,R=F

IC 404**Galaxy**

Oct 01 2005 31" 17mmT4 PF,PS,R,VFSNUC,F* OFF EDGE,R=F

IC 409**Galaxy S**

Oct 01 2005 31" 17mmT4 PF,PS,PATCH,FLNUC,PAIR=MAC,R=F

IC 412**Galaxy Sab**

Oct 01 2005 31" 17mmT4 MF,MS,EL,FSNUC,FORMS A TRI WITH A *,PAIR=IC413,R=F

IC 413**Galaxy S0**

Oct 01 2005 31" 17mmT4 MF,MS,EL,FSNUC,FORMS A TRI WITH A *,PAIR=IC412,R=F

IC 414**Galaxy**

Oct 01 2005 31" 17mmT4 DIF,VF,ML,OVAL,PATCH,UB,NND,R=F

IC 420**Brn Nebula R**

Feb 20 2006 31" 31mmT5 VDIF,EF,VS,V LTL NEB DET SUR *,W/OIII,LTL MORE NEB DET,R=P

IC 421**Galaxy SAB(rs)bc**

Oct 01 2005 31" 17mmT4 VDIF,EF,VL,OVAL,UB,NND,SVRL F*'S IN AREA OF PATCH,FARMS SUSP,R=P

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IC	423		Brtn Nebula R
	Mar 04 2021 36"	31mmT5	(Lb 2),DIF,W/OIII,MF,MS,PATCH,F* IN CNTR,DARK LANE,BKN,EDGES NOT DEF,V HARD TO DET W/O OIII,(8:51pm),R=F
	Feb 20 2006 31"	31mmT5	W/OIII,LOC GOOD,A HINT OF NEB SUSPECTED,AV,SUSP,R=P
IC	424		Brtn Nebula R
	Mar 03 2021 36"	31mmT5	(Lb 3),DIF,PF,PS,PATCH,SEV F*S IN AND SUR NEB,W/OIII,F BG GLOW SUR *S,NO EDGES,17MM HARD TO DET,(8:45pm),R=F
	Feb 20 2006 31"	31mmT5	W/OIII,EDIF,VF,VL,JUST A HINT OF NEB DET,S VF GRP OF *S IN NEB,R=P
IC	426		Brtn Nebula R
	Mar 04 2021 36"	31mmT5	(Lb 2),DIF,VF,MS,W/OIII,NEB EASILY DET SUR *S THEN FADES,RECT IN SHAPE,EDGES NOT WELL DEF,(9:00pm),R=F
	Feb 20 2006 31"	31mmT5	W/OIII,VDIF,EF,VL,SOME HINT OF NEB DET,PATCHY AREAS,AV,SUSP,R=P
IC	430		Brtn Nebula R
	Feb 21 2006 31"	31mmT5	EDIF,EF,VL,SUSP,WITH OIII ONLY NEB SUR B* DET,R=P
IC	431		Brtn Nebula R
	Jan 24 2009 31"	17mmT4	W/OIII,MF,MS,F NEB SUR CLOSE DBL *,R=F
	Feb 21 2006 31"	31mmT5	VDIF,VF,VL,OVAL-R,PATCH,W/OIII,NEB SUR B* DET,OTHER *S NO NEB,PAIR=IC432,R=P
IC	432		Brtn Nebula R
	Mar 04 2021 36"	31mmT5	(Lb 1),DIF,VB,MS,W/OIII,OVAL PATCH OF NEB WITH B* IN CNTR,V GRAN,EDGES NOT WELL DEF,(9:07pm),R=G
	Jan 24 2009 31"	17mmT4	VF,PS,OIII HELPS DETECT MORE NEB,V LTL NEB DET WITHOUT OIII,R=P
	Feb 21 2006 31"	31mmT5	W/OIII,VDIF,VF,VL,OVAL-R,PATCH SUR B*,SIM *S NO NEB,PAIR=IC431,R=P
IC	434		Brtn Nebula E
	Mar 05 2021 36"	31mmT5	(Lb 1),DIF,MF,EEL,W/OIII,BET THAN UHC,SEV FOV'S,EDGE DET BOTH SIDES OF HORSEHEAD,SEE PREVIOUS OBS,H-BETA FILTER BEST FOR HH,(8:42PM),R=F
	Oct 12 2012 36"	17mmT4	DIF,W/HBETA,NEB CONTAINS HH NEB,OUTLINE OF DIF NEB EASILY FOLLOWED FROM BOTH SIDES OF HH NECK FOR SVRL FOV'S,R=G
	Feb 21 2006 31"	31mmT5	VF,EL,NEB SUR HORSEHEAD,NEB DET W/WO FILTERS,BEST WITH H-BETA,R=G
IC	435		Brtn Nebula R
	Mar 05 2021 36"	31mmT5	(Lb 1),DIF,MB,MS,W/OIII,SIM TO N2023 BUT SM,(8:54pm),R=F
	Jan 24 2009 31"	17mmT4	MF,MS,OIII DOESNOT HELP AT ALL,F NEB SUR B* W/O OIII,R=F
	Jan 24 2004 31"	24mmTP	DIF,MF,MS,PATCH,UB,WITH OIII,PATCHY NEB SUR *,1/2 SIZE OF 2023,R=F
IC	2093		Galaxy S
	Oct 04 2005 31"	17mmT4	MB,MS,R,UB,NND,SHISB,R=F
IC	2112		Galaxy SAd: sp
	Oct 01 2005 31"	17mmT4	PF,MS,EL,PATCH,UB,NND,PAIR=MAC,R=F
IC	2162		Brtn Nebula E
	Feb 21 2006 31"	31mmT5	W/OIII,PB,PL,SLT MORE NEB DET,MHISB,PAIRS=SH2'S,R=G
	Feb 21 2006 31"	31mmT5	MB,PL,PATCH,NEB DET SUR CNTR *,R=F

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J	320		Planetary Neb 2+4
	Dec 28 2008 31"	17mmT4	PF,VS,NO CNTR*,VS UB BALL,BLUEISH,OIII DOESNOT HELP MUCH,R=G
	Oct 04 2005 31"	17mmT4	VB,PS,R,WOIII,B BLUE,SOME F NEB DET OUTSIDE R BALL,R=G
MAC	0447-0208		Galaxy
	Sep 30 2005 31"	17mmT4	EF,VS,PATCH,AV,PAIR=1661,R=P
MAC	0451-0235		Galaxy
	Sep 30 2005 31"	17mmT4	VF,PS,PATCH,UB,NND,PAIR=1678/PGC16180,R=P
MAC	0452-0304		Galaxy
	Sep 30 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=NGC'S,R=P
MAC	0459-0030		Galaxy
	Oct 01 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=PGC16481,R=P
MAC	0500+0425		Galaxy
	Oct 01 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,VF* IN EDGE OR CLOSE BY,PAIR=IC2112,R=P
MAC	0516+0619		Galaxy
	Oct 12 2012 36"	17mmT4	PF,PS,OVAL-R,NND,SHISB,* ON EDGE,R=PF
MAC	0516+0620		Galaxy
	Nov 17 2012 36"	17mmT4	VF,VS,PATCH,AGC 539,R=F
	Oct 12 2012 36"	17mmT4	VF,VS,PATCH,AGC539,R=P
MAC	0516+0621		Galaxy
	Oct 12 2012 36"	17mmT4	VF,ES,PATCH,F* OFF EDGE,AGC539,R=P
MAC	0516+0622		Galaxy
	Nov 17 2012 36"	17mmT4	EF,ES,PATCH,AV HOLDS,AGC 539,R=P
	Oct 12 2012 36"	17mmT4	VF,ES,PATCH,AF FIRST THEN HOLDS,AGC539,R=P
MAC	0516+0623		Galaxy
	Nov 17 2012 36"	17mmT4	VF,VS,PATCH,AGC 539,R=P
	Oct 12 2012 36"	17mmT4	VF,ES,PATCH,AV FIRST THEN HOLDS,AGC539,R=P
MAC	0516+0626A		Galaxy
	Nov 17 2012 36"	17mmT4	PF,VS,EL,FSNUC,AGC 539,R=F
	Oct 12 2012 36"	17mmT4	PF,VS,OVAL,FLNUC,R=PF
MAC	0516+0626C		Galaxy
	Nov 17 2012 36"	17mmT4	PF,PS,EL,NND,TOUCH MAC0516+0626B,BOTH IRR IN SHAPE,CAN JUST BARELY SEP,AGC 539,R=F
	Oct 12 2012 36"	17mmT4	PF,VS,PATCH,CAN JUST BARELY SPLIT COMP=MAC,AGC539,R=PF
MAC	0516+0627B		Galaxy
	Nov 17 2012 36"	17mmT4	PF,PS,EL,NND,TOUCH MAC0516+0626C,BOTH IRR IN SHAPE,CAN JUST BARELY SEP,AGC 539,R=F

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MAC 0516+0627B		Galaxy	
Oct 12 2012 36"	17mmT4	PF,VS,PATCH,CAN JUST BARELY SPLIT COMP=MAC,AGC539,R=PF	
MAC 0516+0627C		Galaxy	
Nov 17 2012 36"	17mmT4	PF,VS,PATCH,NND,AGC 539,R=PF	
Oct 12 2012 36"	17mmT4	VF,VS,PATCH,UB,AGC539,R=P	
MAC 0516+0629B		Galaxy	
Nov 17 2012 36"	17mmT4	EF,VS,PATCH,AV TOOK AWHILE,AGC 539,R=P	
Oct 12 2012 36"	17mmT4	EF,ES,PATCH,TOOK AV A WHILE,AV HOLDS A FEW TIMES,AGC539,R=P	
MAC 0516+0630A		Galaxy	
Nov 17 2012 36"	17mmT4	PF,PS,OVAL,NND,AGC 539,R=F	
Oct 12 2012 36"	17mmT4	EF,ES,PATCH,TOOK AV A WHILE,F* JUST OFF ONE SIDE,AV FIRST THEN HOLDS,AGC539,R=P	
MAC 0516+0630B		Galaxy	
Nov 17 2012 36"	17mmT4	PF,PS,OVAL,NND,AGC 539,R=F	
Oct 12 2012 36"	17mmT4	PF,VS,OVAL,FSNUC,AGC539,R=PF	
MAC 0516+0630C		Galaxy	
Nov 17 2012 36"	17mmT4	PF,VS,UB,NND,CLOSE TO *,AGC 539,R=F	
Oct 12 2012 36"	17mmT4	VF,VS,PATCH,* ON OUTER EDGE,AGC539,R=P	
MAC 0516+0633A		Galaxy	
Oct 12 2012 36"	17mmT4	EF,ES,PATCH,AV,AGC539,R=P	
MAC 0517+0629		Galaxy	
Oct 12 2012 36"	17mmT4	EF,ES,*NUC OR VF* IN CNTER,AV FIRST THEN HOLDS,AGC539,R=P	
MAC 0517+0630A		Galaxy	
Oct 12 2012 36"	17mmT4	EF,VS,PATCH,AV FIRST THEN HOLDS,TOOK AV A WHILE,AGC539,R=P	
MAC 0519+0319		Galaxy	
Oct 01 2005 31"	17mmT4	EF,VS,PATCH,AV,PAIR=IC409,R=P	
MAC 0552-0736		Galaxy	
Dec 07 2005 31"	17mmT4	VF,VS,PATCH,NND,R=P	
NGC 1661		Galaxy SA(s)bc pec:	VF,VS,BM
Sep 30 2005 31"	17mmT4	PF,MS,OVAL,FSNUC,SMWHT BM,PAIR=MAC,R=F	
NGC 1662		H1-7	Open Cluster II 3 m
Nov 13 2020 36"	55mm	(II 2 p),EB,EL,WELL PRESENTED IN FOV,~20*S VAR MAG,STANDS OUT,*S IN PAIRS OF 2,(1:55am),R=F	CL OF L\$S SC ST
Sep 06 2002 12.5"	24mm	PB,PL,APROX 15 *S,LOOSELY SC,STANDS OUT WELL	
NGC 1663		H7-8	Open Cluster IV 2 p
			CL,LRI,ST L\$S

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NGC 1663 Sep 06 2002 12.5" 9mmT6	H7-8 PB,ML,~20*S,305 B*S WITH FTR OTHERS,TAKES POWER WELL	Open Cluster IV 2 p	CL,LRI,ST L\$S
NGC 1670 Sep 30 2005 31" 17mmT4	H501-3 MB,MS,OVAL,BLNUC,MHISB CNTR,R=G	Galaxy SA0^:	VF,VS
NGC 1678 Sep 30 2005 31" 17mmT4	H502-3 MB,MS,EL,BLNUC,PAIRS=PGG/MAC,R=G	Galaxy SA0^ pec?	VF,S
NGC 1682 Sep 30 2005 31" 17mmT4	H527-2 PF,PS,R,BLNUC,MHISB CNTR,PAIRS=NGC'S,R=F	Galaxy E/S0	VF,VS,1684F12S,*9S4'
NGC 1683 Sep 30 2005 31" 17mmT4	H528-2 MF,MS,EDGE ON,FSNUC,PAIRS=NGC'S,R=F	Galaxy Sa	VF,R
NGC 1684 Sep 30 2005 31" 17mmT4	H528-2 MB,ML,EL,BNUC,EL NUC OR BAR,HISB CNTR,PAIRS=NGC'S,R=G	Galaxy E+ pec:	PF,PS,R,BM,*9SF
NGC 1685 Sep 30 2005 31" 17mmT4	H528-2 PB,PL,OVAL,FLNUC,SLT BM,PAIRS=NGC'S,R=G	Galaxy SB(r)0/a	F
NGC 1690 Sep 30 2005 31" 17mmT4	H528-2 PF,PS,OVAL,PATCH,UB,NND,PAIR=PGC16290,R=F	Galaxy SB(s)b	VF,VS,AM VS ST,L*SP
NGC 1691 Oct 01 2005 31" 17mmT4	H528-2 MB,MS,OVAL,BSNUC,MHISB CNTR,SBM,R=F	Galaxy (R)SB(s)0/a:	F,S,*11INV
NGC 1709 Oct 01 2005 31" 17mmT4	H528-2 MF,MS,OVAL,FSNUC,PAIR=PGC'S/1713,R=F	Galaxy SB0^:	VF,VS,1713NP
NGC 1713 Oct 01 2005 31" 17mmT4	H516-2 MB,PL,OVAL,FLNUC,MHISB CNTR,PAIR=PGC'S/1709,R=G	Galaxy E+:	F,S,R,BM
NGC 1719 Oct 30 1981 12.5" 12mm	H516-2 VDIF,VF,MS,PATCHY-OVAL,NNS	Galaxy Sa: sp	PF,S,IR,PSLBM
NGC 1729 Oct 01 2005 31" 17mmT4	H503-3 MB,PL,OVAL,SOME SPR STR SUSP,PATCHY,NND,MHISB,R=G	Galaxy SA(s)c	VF,PL,2B*V NR
NGC 1740 Oct 01 2005 31" 17mmT4	H503-3 MB,PS,R,BSNUC,MHISB,SBM,F* CLOSE BY,R=G	Galaxy S0-:	EF,VS,*12SP
NGC 1753 Oct 01 2005 31" 17mmT4	H503-3 DIF,VF,PL,OVAL,PATCH,UB,NND,VF* IN EDGE,R=F	Galaxy (R')SBa pec?	EEF,PS,R,SF1740
NGC 1762 Sep 06 2002 12.5" 9mmT6	H453-3 DIF,PF,MS,OVAL,*NUC,SBM,MHISB	Galaxy SA(rs)c:	VF,VS

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NGC 1788		H32-5	Brtn Nebula R	B,CL,R,BM,***15,*1'F
Mar 05 2021 36"	17mmT4	(Lb 1),DIF,MB,PL,W/OIII,* IN EDGE OF BTEST PART OF NEB,BTR * CLOSE BY WITH NEB SUR		
Oct 16 1982 12.5"	16mm	BH2 RGN OR BET NEB AND *		
Oct 16 1982 12.5"	24mm	PB,ML,EL,BM,B* TO W IN NEB,VMBM		
NGC 1819			Galaxy SB0	VF,S,R
Oct 01 2005 31"	17mmT4	MF,MS,OVAL,FLNUC,SHISB CNTR,R=G		
NGC 1843			Galaxy SAB(s)cd:	F,S,R,LBM
Oct 01 2005 31"	17mmT4	PF,PL,OVAL,UB,NND,R=G		
NGC 1875			Galaxy S0?	EF,S,R
Oct 01 2005 31"	17mmT4	PF,MS,R,FLNUC,SHISB CNTR,PAIR=PGC'S,R=F		
NGC 1924		H447-3	Galaxy SB(r)bc	VF,PL,IR,ST NR
Oct 01 2005 31"	17mmT4	DIF,PF,ML,PATCH,NND,VF* ON EDGE,R=F		
NGC 1975			Brtn Nebula E	B**INV IN NEB
Mar 05 2021 36"	31mmT5	(Lb 1),DIF,EB,EEL,UHC BTR THAN OIII,MORE NEB DET,MANY B*S WITH NEB,SLEWING REVEALS		
Feb 20 2006 31"	31mmT5	PATCHY AREAS, DARK SPOTS,EDGE NOT DEF,(8:24pm),R=G W/OIII,DIF,PB,EL,PATCHES OF NEB DET,DARK AREAS,NEB SUR B*S OF NGC1977,R=E		
NGC 1976	M42		Brtn Nebula EN+RN	THETAORI \$GREAT NEB
Sep 22 2022 12.5"	17mmT4	EB,EL,REDS,PINKS,GREENISH,BLUEISH,BEST EVER TODATE,BREATH TAKING,DET		
Mar 05 2021 36"	31mmT5	EVERYWHERE,R=EEE (Lb 1),DIF,EB,EL,W/UHC, DETAIL BEYOND DESCRIPTION,UHC DETAILS NEB DIF THAN		
Mar 08 2013 36"	17mmT4	OIII,(8:10pm),R=EEE MESSIER MARATHON 2013		
Feb 05 2005 31"	31mmT5	EEB,EEL,SVRL FOV'S,AWSOME,COLORS DET,R=E		
Dec 04 2004 31"	31mmT5	DIF,EB,EL,WITH OIII,EVEN BTR,MORE NEB DET,MUCH MORE DETAIL,THE BEST,R=E		
Dec 04 2004 31"	31mmT5	DIF,EB,EL,2 FOV'S,ABSOLUTLY THE BEST EVER SEEN TO DATE,COLOR AND SHADES OF COLOR		
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984 10"	20mm	SAME		
Mar 27 1982 12.5"	24mm	VB,ML,3 SHADES OF COLOR VIS,DARK PATCHES,BEAUTIFUL!!!		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
Dec 03 1980 12.5"	24mm			
Oct 31 1980 12.5"	24mm			
Oct 29 1980 8"	24mm			
Sep 18 1980 12.5"	24mm	TRAPIZUM BLUE-GREEN,BLUER AS YOU GO OUT,TIPS SHOW RED		
Sep 10 1980 12.5"	24mm			
Sep 09 1980 12.5"	24mm			
Aug 22 1980 12.5"	24mm	BEAUTIFUL!!!		
NGC 1977		H30-5	Open Cluster	42ORIONIS\$NEB
Sep 06 2002 12.5"	32mm	VB,PL,~5 *S ASSOC WITH M43		
NGC 1980		H31-5	Open Cluster III 3 m n	VF,VVL,44ORIONIS INV
Oct 16 1982 12.5"	24mm	MB,ML,B* IN CNTR,2F*S CLOSE TO B*,L OVAL AREA SUR B*,CLOSE TO M42		

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NGC 1980		H31-5	Open Cluster III 3 m n	VF,VVL,44ORIONIS INV
Sep 09 1980 12.5"	24mm	NEB SUR A NICE DBL *		
NGC 1981			Open Cluster III 3 p n	CL,VB,LRI,ST L,SC
Mar 03 2021 36"	55mm	(III 3 p),~20"S,SC,FILLS FOV,VAR MAG'S,(7:20pm),R=F		
Oct 01 2005 31"	31mmT5	EB,EL,~15"S LOOSELY SC,FILLS FOV,SOME CL DET,R=F		
NGC 1982	M43	H1-3	Brn Nebula E	VB,VL,RW/TAIL,MBM*8
Mar 08 2013 36"	17mmT4	MESSIER MARATHON 2013		
Dec 04 2004 31"	31mmT5	DIF,EB,EL,WITH OIII,SHADES OF COLORS,INCREDIBLE DETAIL,BEST SEEN TO DATE,R=E		
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984 10"	20mm	SAME		
Mar 27 1982 12.5"	24mm	MF,PL,OVERWHELMED BY M42,R,BLUE GREEN GAS,2"S IN NEB		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
Dec 03 1980 12.5"	24mm			
Oct 31 1980 12.5"	24mm			
Oct 29 1980 8"	24mm			
Sep 18 1980 12.5"	24mm			
Sep 10 1980 12.5"	24mm			
Aug 22 1980 12.5"	24mm			
NGC 1990		H34-5	Brn Nebula E+R	EL,E,EPSILONORI INV P
Mar 05 2021 36"	31mmT5	(Lb 1),DIF,EB,VL,OIII DET MORE NEB THAN UHC,VB* IN MID WITH HALO OF NEB,(8:30pm),R=P		
Mar 22 2004 12.5"	25mm	DIF,VF,ML,W/OIII,HINT OF NEB SUR B* DET,R=P		
NGC 1999		H33-4	Brn Nebula E	*10,11INV IN NEB
Mar 04 2021 36"	31mmT5	(Lb 1),DIF,PB,VS,NEB EASLY SEEN SUR B*,PATCHY,GRAN,W/OIII,MORE NEB DET,GRAN,VMBM,(8:56pm),R=FG		
Feb 20 2006 31"	31mmT5	W/OIII,DIF,MB,VL,NEB DETAIL DET SUR *,R=G		
Oct 16 1982 12.5"	24mm	MB,PS,BNUC,VMBM,R,12MM-EYE APPEARANCE,TAPERED ENDS,SOME DARK AREA IN NEB		
NGC 2022		H34-4	Planetary Neb 4+2	PLN,PB,VS,VLE
Dec 28 2008 31"	17mmT4	MB,ML,R,PATCH,VF CNTR* WITH AV,EDGES FRAILED,OIII DOESNOT HELP MUCH,R=G		
Dec 30 1983 12.5"	12mm	MF,PS,NO CNTR * DET,R,UB,LINE OF F*S OFF TO BOTH SIDES		
Oct 31 1980 12.5"	24mm	LOOKS LIKE PALE GREY *		
Sep 10 1980 12.5"	24mm			
Sep 10 1980 12.5"	32mm	EASILY DET,NICE		
NGC 2023		H24-4	Brn Nebula R+E	B*IN M OF L,LE NEB
Mar 05 2021 36"	31mmT5	(Lb 1),DIF,MB,ML,W/OIII,GRAN NEB SUR B*,PATCHY,EDGES FADE,(8:51pm),R=F		
Jan 24 2009 31"	17mmT4	MF,ML,BTR W/OIII,MORE NEB DET,FINE DETAIL IN NEB CLOSE TO *,R=F		
Jan 24 2004 31"	24mmTP	DIF,MF,PL,PATCH,UB,WITH OIII,PATCHY AREA OF GAS SUR *,R=F		
Oct 05 2002 12.5"	25mm	PB,VL,NEB SUR B*,PARTS OF NEB HAVE HISB		
Sep 09 1980 12.5"	24mm	NEED TO KEEP B* OUT OF FIELD TO DETECT		
NGC 2024		H28-5	Brn Nebula E	IRR,B,VVL,BLACKSPINC
Mar 04 2021 36"	31mmT5	(Lb 1),DIF,MB,EL,W/OIII,KEEP B* OUT OF FOV,L AREAS OF PATCHY NEB,SOME AREAS BKN WITH DARK LANES,EDGES NOT DEF,(9:11pm),R=G		

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NGC 2024		H28-5	Brtn Nebula E	IRR,B,VVL,BLACKSPINC
Jan 24 2004	31"	24mmTP	DIF,MF,EL,SVRL FOV'S,WITH OIII,PATCHY AREAS,R=F	
Aug 21 1982	12.5"	24mm	PF,EL,DARK DUST LANES DET,BREAKS H2 RGN APART,~SAME SIZE AS HELIX	
Dec 03 1980	12.5"	24mm		
Oct 31 1980	12.5"	24mm		
Sep 18 1980	12.5"	24mm	CRACKS IN NEB DET,GREAT!!	
NGC 2064			Brtn Nebula R	EF,VS,*9,10NP4'
Mar 04 2021	36"	31mmT5	(Lb 1),DIF,MS,PS,W/OIII,S PATCHY NEB SUR *,EDGES NOT DEF,CLOSE TO OTHERS,(9:16pm),R=F	
Feb 21 2006	31"	31mmT5	EDIF,EF,MS,PATCH,AV,CLOSE TO M78,TRIED BOTH FILTERS,HINT OF NEB DET WITH OIII,R=	
NGC 2067			Brtn Nebula R	F,PL,2068S
Mar 04 2021	36"	31mmT5	(Lb 5),DIF,EF,MS,EL,NEXT TO M78,W/OIII,CAN JUST BARELY DEET NEB,AV HOLDS,(9:20pm),R=P	
Feb 21 2006	31"	31mmT5	EDIF,EF,VS,PATCH,CLOST TO M78,TRIED BOTH FILTERS,SUSP IN OIII,R=P	
NGC 2068	M78		Brtn Nebula R	B,L,WISP,GMBN,3*INV
Mar 04 2021	36"	31mmT5	(Lb 1),M78,DIF,VB,VL,W/OIII,2 B**S IN NEB,OVAL,SMOOTH AND UNIFORM,EDGES FADE AWAY,OTHERS CLOSE,(9:16pm),R=GE	
Mar 08 2013	36"	17mmT4	MESSIER MARATHON 2013	
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 02 1984	10"	20mm	SAME,ONE EDGE WELL DEFINED	
Mar 27 1982	12.5"	24mm	MF,PL,LOCATED IN BARREN * FIELD,2F**S IN CNTR	
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Oct 31 1980	12.5"	24mm		
Oct 29 1980	8"	24mm		
Sep 10 1980	12.5"	24mm		
Sep 09 1980	12.5"	24mm		
Aug 22 1980	12.5"	24mm		
NGC 2071			H36-4	Brtn Nebula R
Mar 04 2021	36"	31mmT5	(Lb 4),DIF,VF,MS,W/OIII,S SMOOTH PATCHY NEB SUR * REACHES TO B* CLOSE BY,EDGES NOT WELL DEF,(9:25pm),R=F	D*10\$14 W/VF,L CHEV
Feb 21 2006	31"	31mmT5	MF,MS,PATCH,NEB DET SUR B*,B* APPEARS AS CLOSE DBL WITH F*,R=F	
Oct 05 2002	12.5"	25mm	PBPL,DIF NEB,B* TO EDGE OF NEB,CLOSE TO M78	
NGC 2110			H448-3	Galaxy SAB0-
Dec 07 2005	31"	17mmT4	PB,MS,OVAL,BLNUC,MHISB CNTR,R=G	EF,CS,LE,PSLBM,ER
NGC 2112			H24-7	Open Cluster II 2 m n
Dec 30 1983	12.5"	24mm	MF,PS,BARREN * FIELD,B**S FORM SHAPE OF A 'Y',~60*S	CL,PL,LRI,PC,ST S
Sep 09 1980	12.5"	24mm		
NGC 2119			Galaxy E	F,VS,R,BM
Oct 04 2005	31"	17mmT4	MB,MS,R,FLNUC,RICH * FIELD,MHISB CNTR,R=G	
NGC 2141			Open Cluster I 2 r	F,PS,DIF,
Mar 03 2021	36"	17mmT4	(I 2 r),VR CL~SIM MAG FEW B**S,NICE FOV,F DEFINED CL ALM BG *S,(7:43pm),R=F	
Dec 30 1983	12.5"	24mm	NOT SURE OF FIND	

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NGC 2163		Brtn Nebula bipolar	EF,E,DIF,*11ATT S
Mar 05 2021 36"	17mmT4	(Lb 2),DIF,MF,PS,UHC BET THAN OIII,MORE NEB DET,B* WITH RECTANGLE LIKE NEB,EDGES SMWHT DET WITH AV,(9:01pm),R=F	
Nov 22 2006 12.5"	12mmT4	DIF,PB,PS,* WITH NEB SUR IT,SMWHT GREENISH,OIII DOESNOT HELP,R=G	
NGC 2169		H24-8	Open Cluster III 3 m
Mar 03 2021 36"	17mmT4	(III 3 p),VB,PL,B**S WITH F**S,~20 *S,B**S OFF TO NW NOT PART OF CL,LOOSELY SC,(7:53pm),R=G	CL,S,LRI,PMC,**
Dec 30 1983 12.5"	24mm	SAME	
Aug 21 1982 12.5"	24mm	MB,MS,20**S COUNTED,SPLIT THROUGH CNTR,ON SIDE RESEMBLES HOUR GLASS	
NGC 2174		Brtn Nebula E	EF,BET3VF*
Mar 05 2021 36"	31mmT5	(Lb 1),DIF,MB,EEL,BEST IN OIII,RICH * FIELDS,BTEST PART S OF B* IN NEB,SLEW 2-3 FOV'S,PATCHES,WISPS,SOME EDGES DET,(9:13pm),R=G	
Feb 21 2006 31"	31mmT5	DIF,PB,EL,SOME NEB DET SUR CNTR AREA,PATCH OF NEB DET OUTER RGN	
Feb 21 2006 31"	31mmT5	W/OIII,AWSOME,PERFECT FOR OBJ,MUCH MORE NEB,PATCHES,DARK AREAS,SCAN FOV,R=E	
NGC 2175.1		Open Cluster II 2 p n	
Feb 21 2006 31"	31mmT5	PB,VL,~15**S LOOSELY SC,VAR MAG,PAIR=2174,R=F	
NGC 2180		H6-8	Open Cluster cluster?
Feb 21 2006 31"	31mmT5	VB,VL,~10**S,NOT MUCH CL,VAR MAG,R=P	CL,PRI,LC,ST L\$\$
NGC 2184		Open Cluster cluster?	CL,L,VLC
Feb 21 2006 31"	31mmT5	EB,EEF,SVRL FOV'S,LOOSELY SC,VAR MAG,~50**S,R=F	
NGC 2186		H25-7	Open Cluster II 2 m
Dec 30 1983 12.5"	24mm	NO FIND	CL,PL,PRI,PC,ST L\$\$
Aug 21 1982 12.5"	24mm	MF,PS,~25**S,F**S WITH B**S,CL SLT ,EL	
NGC 2194		H5-6	Open Cluster II 2 r
Dec 30 1983 12.5"	24mm	SAME	CL,L,RI,GVMCM
Aug 21 1982 12.5"	24mm	MF,PS,40-50**S,F GLOW BET **S,SLT OVAL	
NGC 2195		Non-Existent	F,S,2S*INV,*10N31"
Feb 21 2006 31"	17mmT4	PB,MS,ASTERISM,5**S(4 VF**S) IN A CLOSE LINE,R=G	
NGC 2202		Open Cluster cluster?	**CHIEF OF CL
Feb 21 2006 31"	17mmT4	VB,EL,~15**S,SAME MAG,SOME CL,LOOSE,SC,R=F	
PGC 16180		Galaxy S?	
Sep 30 2005 31"	17mmT4	MF,PS,EL,FSNUC,PAIRS=1678/MAC,R=F	
PGC 16256		Galaxy SB(s)cd	
Sep 30 2005 31"	17mmT4	DIF,PF,PL,OVAL,PATCH,UB,NND,R=F	
PGC 16290		Galaxy E	
Sep 30 2005 31"	17mmT4	PB,MS,R,BSNUC,MHISB CNTR,PAIR=1690,R=F	

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PGC 16447		Galaxy
Oct 01 2005 31"	17mmT4	PF,PS,OVAL,VFSNUC,VF* ON EDGE,SOME HISB CNTR,PAIR=1709/1713/PGC,R=F
PGC 16448		Galaxy SB(rs)0-:
Oct 01 2005 31"	17mmT4	MF,PS,OVAL,BSNUC,F* OFF ONE EDGE,PAIR=1709/1713/PGC16447,R=F
PGC 16481		Galaxy Sbc
Oct 01 2005 31"	17mmT4	PF,PS,EL,UB,NND,PAIR=MAC,R=F
PGC 17020		Galaxy S
Nov 17 2012 36"	17mmT4	VF,VS,OVAL,UB,V CLOSE TO *,AGC 539,R=F
Oct 12 2012 36"	17mmT4	VF,PS,PATCH,UB,NEXT TO *, CAN DETECT WITH AV,AGC539,R=P
PGC 17022		Galaxy
Nov 17 2012 36"	17mmT4	PF,PS,OVAL,FSNUC,AGC 539,R=F
Oct 12 2012 36"	17mmT4	PF,VS,OVAL,FSNUC,AGC539,R=F
PGC 17024		Galaxy S
Nov 17 2012 36"	17mmT4	PF,PS,OVAL,*NUC,AGC 539,R=F
Oct 12 2012 36"	17mmT4	PF,VS,OVAL,FSNUC,AGC539,R=PF
PGC 17025		Galaxy S?
Nov 17 2012 36"	17mmT4	MB,MS,FSNUC,AGC 539,R=F
Oct 12 2012 36"	17mmT4	PF,VS,PATCH,AGC539,R=PF
PGC 17028		Galaxy S
Nov 17 2012 36"	17mmT4	PF,VS,UB,NND,AGC 539,R=F
Oct 12 2012 36"	17mmT4	PF,VS,OVAL,FSNUC,AGC539,R=PF
PGC 17031		Galaxy S?
Nov 17 2012 36"	17mmT4	VF,PS,EDGE ON,UB,NND,AV FIRST THEN HOLDS,R=P
Oct 12 2012 36"	17mmT4	VF,PS,EL-EDGE ON,UB,NND,R=PF
PGC 17033		Galaxy S
Nov 17 2012 36"	17mmT4	VF,VS,R,FLNUC,F* OFF EDGE,AGC 539,R=F
Oct 12 2012 36"	17mmT4	PF,VS,R,FLNUC,VF* ON EDGE,AGC539,R=PF
PGC 17109		Galaxy
Oct 25 2006 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,R=F
PGC 17173		Galaxy S
Oct 01 2005 31"	17mmT4	EF,ES,AV,APPEARS AS A LINE OF FT NEB FROM 1875,R=P
PGC 17175		Galaxy S
Oct 01 2005 31"	17mmT4	EF,ES,AV,APPEARS AS A LINE OF FT NEB FROM 1875,R=P
PGC 17176		Galaxy SA0-:

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PGC 17176		Galaxy SA0-:
Oct 01 2005 31"	17mmT4	EF,ES,AV,APPEARS AS A LINE OF FT NEB FROM 1875,BTR OF THE 3,R=P
PGC 17532		Galaxy
Oct 04 2005 31"	17mmT4	VF,VS,OVAL,VFSNUC,R=P
PGC 17535		Galaxy Sb
Oct 04 2005 31"	17mmT4	VF,PS,PATCH,UB,NND,R=P
SH2 254		Brt Nebula E
Mar 05 2021 36"	31mmT5	(Lb 3),DIF,VF,ML,W/OIII,SUR 5"S IN 'V' SHAPE,BARELY DET WITH UHC,OIII SMWHT
		BTR,OVAL,PATCH,NO EDGES,4 OTHERS CLOSE BY,(9:43pm),R=P
Feb 21 2006 31"	31mmT5	W/OIII,LOC GOOD,DID NOT FIND,R=P
SH2 256		Brt Nebula
Mar 05 2021 36"	31mmT5	(Lb 6),DIF,EF,VS,W/OIII,JUST OFF EDGE OF SH2-257,AV,SUSP,4 OTHERS CLOSE BY,(9:30pm),R=P
Feb 21 2006 31"	31mmT5	EDIF,W/OIII,EF,VS,PATCH,AV,VS PATCH DET WITH AV,SIM TO SH2-258,R=P
SH2 257		Brt Nebula E
Mar 05 2021 36"	31mmT5	(Lb 6),DIF,PF,VS,W/OIII,BLUEISH * WITH FT NEB SURNO EDGES DET,4 OTHERS CLOSE
		BY,(9:28pm),R=F,
Feb 21 2006 31"	31mmT5	W/OIII,PF,ML,F BG GLOW DET SUR S GRP OF F"S,R=F
SH2 258		Brt Nebula
Mar 05 2021 36"	31mmT5	(Lb 6),DIF,EF,ES,W/OIII,2 F"S AND OBJ MAKE A TRI,NEB SUSP,AV,*S SUR NEB ALM TOUCH,4
		OTHERS CLOSE BY,(9:39pm),R=P
Feb 21 2006 31"	31mmT5	VDIF,W/OIII,VF,VS,PATCH,AV,S PATCH DET CLOSE TO *,AV FIRST THEN HOLDS,R=P
SH2 264		Brt Nebula E
Mar 05 2021 36"	31mmT5	(Lb 1-5),DIF,VB,EEEL,W/UHC,3-4 FOV'S,VF IN AREAS (AV REQ),NEB DET SUR B"S,(8:36pm),R=P
SH2 276		H35-5
Nov 13 2020 36"	55mm	Brt Nebula E DIF,SCANNED SVRL DEGREES WITH AND WITHOUT OIII,NOTHING DET,(3:15am),R=P

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4ZW 123B		Galaxy
Sep 23 2003 31"	17mmT4	DIF,VF,PS,PATCH,UB,NND,69951 CL GRP,R=P
CGCG 454-73		Galaxy
Sep 05 2007 31"	17mmT4	PF,PS,OVAL,FSNUC,PAIRS=PGC71542/MAC,R=P
CGCG 476-92		Galaxy S0
Sep 25 2003 31"	17mmT4	PF,MS,FSNUC,7720 CL,R=F
CGCG 496-15		Galaxy Sc
Sep 23 2003 31"	17mmT4	MB,ML,R,BLNUC,SHISB,69951 CL GRP,R=G
IC 4		Galaxy S?
Oct 06 2004 31"	17mmT4	MF,PL,OVAL-R,NND,PATCHY,R=F
IC 1380		Galaxy
Oct 06 2004 31"	17mmT4	PF,MS,OVAL,FSNUC,R=F
IC 1394		Galaxy C
Oct 06 2004 31"	17mmT4	MB,ML,R,BLNUC,MHISB CNTR,PAIR=MAC,R=G
IC 1395		Galaxy C
Oct 06 2004 31"	17mmT4	MF,MS,R,FLNUC,SBM,R=F
IC 1398		Galaxy Sc
Oct 06 2004 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,R=F
IC 1399		Galaxy C
Oct 06 2004 31"	17mmT4	MF,MS,OVAL,PATCH,FLNUC,PATCHY,R=F
IC 1414		Galaxy CB
Oct 06 2004 31"	17mmT4	MF,PS,OVAL,BSNUC,F* OFF ONE SIDE,R=F
IC 1418		Galaxy S?
Oct 06 2004 31"	17mmT4	PF,ML,OVAL-R,PATCH,UB,NND,F* OFF ONE EDGE,R=F
IC 1420		Galaxy SB?
Oct 06 2004 31"	17mmT4	PB,PL,OVAL,HISB,PATCHY AREAS IN GLXY,R=G
IC 1422		Galaxy
Oct 06 2004 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIR=1425,R=F
IC 1423		Galaxy SBb
Oct 06 2004 31"	17mmT4	PF,ML,OVAL,PATCH,UB,NND,R=F
IC 1425		Galaxy
Oct 06 2004 31"	17mmT4	MF,MS,R,BSNUC,GMBM,PAIR=IC1422,R=G

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IC 1427		Galaxy E	
Oct 06 2004 31"	17mmT4	MF,MS,OVAL-R,BSNUC,MHISB,R=G	
IC 1428		Galaxy	
Oct 06 2004 31"	17mmT4	PF,PS,EL,UB,NND,R=F	
IC 1444		Galaxy	
Oct 06 2004 31"	17mmT4	MF,VS,R,FSNUC,PAIRS=PGC68664,MAC,R=F	
IC 1461		Galaxy S?	
Sep 23 2003 31"	17mmT4	MF,MS,OVAL-R,FNUC,SBM,F* ON EDGE,R=F	
IC 1472		Galaxy S0/a	
Oct 06 2004 31"	17mmT4	MB,PS,OVAL,BSNUC,PAIR=MAC,R=F	
IC 1473		Galaxy S0	
Oct 06 2004 31"	17mmT4	MB,PL,OVAL,UB,NND,SHISB,R=G	
IC 1476		Galaxy S	
Dec 03 2004 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,3-5F*S IN AND SUR GLXY,R=F	
IC 1478		Galaxy Sb	VF, S, DIF
Oct 04 2005 31"	17mmT4	MB,ML,OVAL,PATCHY NUC,PAIRS=7594/IC5305/MAC,R=F	
IC 1484		Galaxy	
Oct 20 2006 31"	17mmT4	PF,VS,R,UB,NND,PAIRS=7369/7638/KUG/IRAS,R=P	
IC 1487		Galaxy SB?	
Sep 10 2010 31"	17mmT4	PF,PS,PATCH,UB,AGC 2634,R=F	
Oct 25 2006 31"	17mmT4	PF,PS,OVAL,FLNUC,AGC2593,R=F	
IC 1508		Galaxy Sdm:	
Sep 05 2007 31"	17mmT4	MF,MS,EL-EDGE ON,UB,NND,SHISB,R=F	
IC 1513		Galaxy S?	
Nov 20 2003 31"	17mmT4	DIF,MF,PL,EL-EDGE ON,UB,NND,VF* OFF EDGE,R=F	
IC 1518		Galaxy	
Oct 01 2005 31"	17mmT4	PF,VS,OVAL,PATCH,FSNUC,PAIR=IC1519,R=F	
IC 1519		Galaxy	
Oct 01 2005 31"	17mmT4	PF,VS,OVAL,PATCH,FSNUC,PAIR=IC1518,R=F	
IC 1526		Galaxy Sc	
Oct 06 2004 31"	17mmT4	MF,PS,OVAL-R,PATCH,UB,NND,SHISB,R=F	
IC 5104		Galaxy SBab?	

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IC	5104			Galaxy SBab?
	Oct 06 2004	31"	17mmT4	MF,ML,EL,UB,NND,CNTR BULGE,R=G
IC	5115			Galaxy
	Sep 17 2003	31"	25mm	MF,MS,OVAL,PATCH,FNUC,SLT BM,SHISB,R=F
	Aug 30 2003	31"	25mm	DIF,EF,VS,PATCH,UB,NND,R=P
IC	5119			Galaxy Sa
	Oct 06 2004	31"	17mmT4	MB,ML,EL,BLNUC,HISB CNTR,V* ON EDGE,B* OUTSIDE,R=F
IC	5144			Galaxy SB
	Oct 06 2004	31"	17mmT4	DIF,VF,MS,PATCH,UB,NND,PAIRS=MACS,PGC67621,R=F
IC	5145			Galaxy Sab
	Oct 06 2004	31"	17mmT4	MF,PL,R,FLNUC,FACE ON,PATCHY AREAS DET,FARMS,R=G
IC	5151			Galaxy C
	Oct 06 2004	31"	17mmT4	PF,PS,OVAL,FSNUC,VF* CLOSE TO CNTR,KEEP B* OUT OF FOV,R=F
IC	5160			Galaxy SB0
	Jun 27 2003	12.5"	9mmT6	VF,PS,PATCH,UB,R=P
IC	5161			Galaxy
	Oct 06 2004	31"	17mmT4	PF,PS,OVAL,BSNUC,GBM,R=F
IC	5172			Galaxy
	Oct 06 2004	31"	17mmT4	PF,PS,EL,UB,NND,F* ON TIP,R=F
IC	5177			Galaxy SBb
	Oct 06 2004	31"	17mmT4	MF,PS,FLNUC,* OFF EDGE,R=F
IC	5223			Galaxy Triple System
	Oct 06 2004	31"	17mmT4	PF,VS,OVAL,BSNUC,R=F
IC	5231			Galaxy C
	Oct 06 2004	31"	17mmT4	MF,MS,FLNUC,R=F
IC	5233			Galaxy S?
	Oct 06 2004	31"	17mmT4	MF,PL,PATCH,UB,NND,MHISB,B* ON EDGE,R=G
IC	5242			Galaxy S?
	Oct 06 2004	31"	17mmT4	MF,PL,OVAL-R,FLNUC,MHISB,GBM,PAIR=IC5243,R=G
IC	5243			Galaxy S?
	Oct 06 2004	31"	17mmT4	MB,PL,OVAL-R,FLNUC,MHISB,GBM,PAIR=IC5242,R=G
IC	5253			Galaxy S0/a

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IC	5253		Galaxy S0/a
	Oct 06 2004	31"	17mmT4 MF,PS,EL,UB,NND,F* BOTH SIDES,R=F
IC	5254		Galaxy
	Sep 20 2003	31"	25mm MF,MS,PATCH,UB,NND,F* IN GLXY,PAIR/7375,R=F
IC	5258		Galaxy S0-:
	Oct 06 2004	31"	17mmT4 MB,PS,OVAL,BLNUC,MHISB CNTR,R=F
IC	5274		Galaxy S0:
	Oct 06 2004	31"	17mmT4 MB,MS,OVAL,FLNUC,PAIRS=IC5276,MAC,R=F
IC	5276		Galaxy S
	Oct 06 2004	31"	17mmT4 MF,MS,FLNUC,BET 2F*S,PAIRS=IC5274,MAC,R=F
IC	5282		Galaxy Sd
	Oct 06 2004	31"	17mmT4 DIF,VF,VL,OVAL,PATCH,UB,NND,R=F
IC	5283		Galaxy SA(r)cd pec?
	Oct 06 2004	31"	17mmT4 MF,ML,EL-EDGE ON,UB,NND,PAIR=NGC7469,R=F
IC	5284		Galaxy Sa: sp
	Oct 06 2004	31"	17mmT4 PF,PS,EL,FLNUC,BM,CNTR BULGE,R=F
IC	5285		Galaxy S?
	Sep 20 2003	31"	25mm MF,PS,OVAL-R,FNUC,F* IN GLXY,FSNUC,GBM,PAIR/7489,R=F
IC	5291		Galaxy C
	Oct 06 2004	31"	17mmT4 PF,VS,OVAL,PATCH,UB,R=F
IC	5292		Galaxy
	Sep 25 2003	31"	17mmT4 MF,ML,R,UB,NND,R=G
	Sep 20 2003	31"	25mm MF,ML,PATCH,UB,NND,PAIR/7535,R=F
IC	5293		Galaxy
	Jul 29 2005	31"	17mmT4 MF,MS,R,BSNUC,GMBM,R=F
IC	5295		Galaxy
	Jul 29 2005	31"	17mmT4 PF,PS,R,FLNUC,PAIRS=IC5297/IC5296,R=F
IC	5296		Galaxy SBb
	Jul 29 2005	31"	17mmT4 PF,MS,EL,NND,PAIRS=IC5297/IC5295,R=F
IC	5297		Galaxy C
	Jul 29 2005	31"	17mmT4 MF,PS,R,FLNUC,PAIRS=IC5296/IC5295,R=F
IC	5298		Galaxy S?

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IC	5298		Galaxy S?
Oct 01 2005	31"	17mmT4	PF,PS,OVAL,FLNUC,R=F
IC	5300		Galaxy
Oct 01 2005	31"	17mmT4	PF,VS,OVAL,FSNUC,PAIR=MAC'S,R=F
IC	5305		Galaxy S
Oct 04 2005	31"	17mmT4	MF,PS,R,BSNUC,PAIRS=7594/IC5305/MAC,R=F
IC	5312		Galaxy Sb
Oct 30 2005	31"	17mmT4	MF,MS,OVAL,PATCH,FSNUC,GBM,PAIR=IC5314,R=F
IC	5314		Galaxy C
Oct 30 2005	31"	17mmT4	MF,MS,OVAL,PATCH,SNUC,SHISB CNTR,GBM,PAIR=IC5312,R=F
IC	5315		Galaxy E?
Oct 30 2005	31"	17mmT4	PB,ML,R,BSNUC,GMBM,R=G
IC	5317		Galaxy S0
Oct 20 2006	31"	17mmT4	VF,VS,R,PATCH,UB,NND,R=P
IC	5329		Galaxy Scd:
Sep 05 2007	31"	17mmT4	PF,VS,EL,PATCH,UB,NND,PAIR=IC5331,R=P
IC	5331		Galaxy Sab
Sep 05 2007	31"	17mmT4	VF,VS,EL,PATCH,UB,NND,PAIR=IC5329,R=F
IC	5337		Galaxy S?
Dec 03 2004	31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,PAIR=IC5338,R=F
IC	5338		Galaxy E?
Dec 03 2004	31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,PAIR=IC5337,R=F
IC	5341		Galaxy S0/D
Sep 25 2003	31"	17mmT4	PF,MS,FSNUC,ABELL 2634,R=F
IC	5342		Galaxy E:
Sep 25 2003	31"	17mmT4	MF,MS,OVAL,PATCH,FSNUC,ABELL 2634,R=F
IC	5346		Galaxy
Dec 03 2004	31"	17mmT4	VF,PS,OVAL,PATCH,VF SNUC,R=P
IC	5347		Galaxy
Dec 03 2004	31"	17mmT4	VF,PS,PATCH,UB,NND,R=P
IC	5377		Galaxy Irr
Oct 06 2004	31"	17mmT4	EDIF,EF,PL,PATCH,AV,SUSP,LOC GOOD,R=P

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IC 5379		Galaxy S
Oct 06 2004 31"	17mmT4	VF,VS,EL,PATCH,UB,NND,PAIRS=PGC178,PGC179,R=P
IC 5381		Galaxy Sab? sp
Oct 06 2004 31"	17mmT4	PF,MS,EDGE ON,UB,NND,R=F
IRAS 2320+111		Galaxy
Oct 20 2006 31"	17mmT4	VDIF,EF,VS,PATCH,NND,AV,SUSP,PAIRS=IC1484/7639/7638/KUG,R=P
JONES 1		Planetary Neb 3b
Sep 02 2008 31"	17mmT4	DIF,VF,VL,PATCH,OIII HELPS MUCH,2 CRESENT HALVES,SVRL VF*S IN CNTR REG,CNTR* 16TH MAG,BKN IN HALF,R=F
KUG 2247		Galaxy
Sep 20 2003 31"	25mm	VDIF,EF,VS,PATCH,UB,NND,KUG 2247-117 OFFICAL DESIGNATION,R=P
KUG 2320+110C		Galaxy Spiral
Oct 20 2006 31"	17mmT4	VDIF,EF,PS,PATCH,UB,NND,PAIRS=IC1484/7639/7638/IRAS,R=P
MAC 0000+2826		Galaxy
Sep 05 2007 31"	17mmT4	VF,PS,PATCH,UB,NND,PAIRS=PGC'S,R=P
MAC 0001+1309		Galaxy
Sep 04 2005 31"	17mmT4	EF,VS,PATCH,PAIRS=PGC'S/7803,R=P
MAC 0001+3122		Galaxy
Oct 06 2004 31"	17mmT4	VF,VS,PATCH,NND,PAIRS=7805,7806,PGC111,R=P
MAC 0002+1253		Galaxy
Oct 06 2004 31"	17mmT4	VF,VS,PATCH,NND,PAIR=7810,R=P
MAC 2139+1437		Galaxy
Oct 06 2004 31"	17mmT4	VF,VS,PATCH,NND,PAIR=IC1394,R=P
MAC 2140+1437		Galaxy
Oct 06 2004 31"	17mmT4	VF,ES,*,CLOSE TO F* ON EDGE,R=P
MAC 2154+1501		Galaxy
Oct 06 2004 31"	17mmT4	EFID,EF,VS,PATCH,NND,AV,EF* IN OR BY GLXY,PAIRS=MAC,IC5144,PGC67621,R=P
MAC 2154+1502		Galaxy
Oct 06 2004 31"	17mmT4	PF,PS,R,BSNUC,SHISB CNTR,BM,PAIRS=IC5144,MACS,PGC67621,R=F
MAC 2154+1503		Galaxy
Oct 06 2004 31"	17mmT4	VF,VS,OVAL,FSNUC,PAIRS=MACS,PGC67621,IC5144,R=F
MAC 2207+1014		Galaxy

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MAC 2207+1014		Galaxy
Sep 14 2012 36"	17mmT4	EF,VS,AV,JUST TOUCH 7212,R=P
MAC 2211+2549		Galaxy
Sep 14 2012 36"	17mmT4	EF,VS,PATCH,JUST TO SIDE OF * IN FOV,AV FIRST THEN HOLDS,PAIR=7224,R=P
MAC 2222+0513		Galaxy
Oct 06 2004 31"	17mmT4	VDIF,EF,VS,PATCH,NND,PAIRS=IC1444,PGC68664,R=P
MAC 2240+0314		Galaxy
Sep 12 2007 31"	17mmT4	EF,VS,PATCH,AV,PAIR=PGC69458,R=P
MAC 2258+1856		Galaxy
Oct 06 2004 31"	17mmT4	VF,VS,PATCH,NND,PAIRS=IC5274,IC5276,R=P
MAC 2308+1718		Galaxy
Oct 06 2004 31"	17mmT4	VF,PS,EL,PATCH,NND,PAIR=IC1472,R=P
MAC 2313+1042		Galaxy
Oct 06 2004 31"	17mmT4	PF,VS,OVAL,PATCH,*NUC,PAIR=NGC7519,R=P
MAC 2314+1037		Galaxy
Jul 29 2005 31"	17mmT4	DIF,EF,VS,PATCH,NND,PAIR=7542,R=P
MAC 2314+2809		Galaxy
Dec 03 2004 31"	17mmT4	VF,VS,PATCH,NND,AV FIRST THEN HOLDS,PAIR=7543/MAC,R=P
MAC 2314+2830		Galaxy
Dec 03 2004 31"	17mmT4	EF,VS,PATCH,AV,PAIRS WITH MANY OTHER PGC'S,R=P
MAC 2315+1858		Galaxy
Sep 27 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,E HICKSON CL,R=P
MAC 2315+2816		Galaxy
Dec 03 2004 31"	17mmT4	PF,PS,EL,PATCH,UB,NND,F* ON TIP,PAIR 7543/MAC,R=P
MAC 2316+1838		Galaxy
Sep 27 2005 31"	17mmT4	EF,VS,PATCH,NND,AV,PAIR=MAC,R=P
MAC 2316+1842		Galaxy
Sep 27 2005 31"	17mmT4	EF,VS,PATCH,NND,AV,PAIR=MAC,R=P
MAC 2316+1845		Galaxy
Sep 27 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=NGC/PGC/MAC,R=P
MAC 2316+2049		Galaxy
Oct 01 2005 31"	17mmT4	EF,VS,PATCH,NND,AV,PAIR=IC5300/MAC,R=P

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MAC 2316+2051		Galaxy
Oct 01 2005 31"	17mmT4	PF,VS,PATCH,UB,NND,F* IN GLXY,PAIR=IC5300/MAC,R=F
MAC 2317+0826B		Galaxy
Oct 04 2005 31"	17mmT4	EF,VS,OVAL,PATCH,UB,NND,R=P
MAC 2317+0925		Galaxy
Oct 01 2005 31"	17mmT4	EF,VS,PATCH,UB,NND,AV,PAIR=7579/7584/PGC70978,R=P
MAC 2317+1325		Galaxy
Oct 01 2005 31"	17mmT4	VDIF,EF,ES,AV,R=P
MAC 2317+1357		Galaxy
Oct 01 2005 31"	17mmT4	VF,VS,PATCH,NND,PAIR=7580,R=P
MAC 2318+1014		Galaxy
Oct 04 2005 31"	17mmT4	MF,PS,OVAL,FSNUC,F* OFF EDGE,PAIRS=7594/IC5305/IC1478/MAC,R=F
MAC 2318+1014A		Galaxy
Oct 04 2005 31"	17mmT4	EF,VS,PATCH,NND,AV,PAIRS=7594/IC5305/IC1478/MAC,R=P
MAC 2318+1831		Galaxy
Oct 04 2005 31"	17mmT4	EF,VS,PATCH,AV,SUSP,AGC2572,R=P
MAC 2318+1838A		Galaxy
Sep 12 2007 31"	17mmT4	NO FIND,LOC GOOD,R=P
MAC 2318+1838B		Galaxy
Oct 04 2005 31"	17mmT4	EF,VS,PATCH,UB,NND,AV,AGC2572,R=P
MAC 2318+1839		Galaxy
Oct 04 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,AGC2572,R=P
MAC 2318+1842		Galaxy
Oct 04 2005 31"	17mmT4	EF,ES,PATCH,SUSP,AGC2572,R=P
MAC 2318+1843		Galaxy
Oct 04 2005 31"	17mmT4	EF,VS,PATCH,AV,AGC2572,R=P
MAC 2318+1844A		Galaxy
Oct 04 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,AV FIRST THEN HOLDS,AGC2572,R=P
MAC 2318+1844B		Galaxy
Oct 04 2005 31"	17mmT4	EF,VS,PATCH,AV,AGC2572,R=P
MAC 2318+1848		Galaxy
Oct 04 2005 31"	17mmT4	EF,ES,AGC2572,R=P

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MAC 2318+1852		Galaxy
Oct 04 2005 31"	17mmT4	VF,VS,EL,UB,NND,AGC2572,R=P
MAC 2318+1854		Galaxy
Oct 04 2005 31"	17mmT4	EF,ES,SUSP,AGC2572,R=P
MAC 2319+0819		Galaxy
Oct 04 2005 31"	17mmT4	VF,VS,PATCH,NND,PAIR=PGC71085,R=P
MAC 2319+0835		Galaxy
Oct 04 2005 31"	17mmT4	EF,VS,PATCH,NND,AV,PAIRS=7612/PGC71091/MAC,R=P
MAC 2319+0836		Galaxy
Oct 04 2005 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIR=7612/PGC71091/MAC'S,R=P
MAC 2319+0930		Galaxy
Sep 27 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,V CLOSE COMP,PAIR=7609/PGC'S,R=P
MAC 2319+1836		Galaxy
Oct 04 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,AGC2572,R=P
MAC 2319+1840		Galaxy
Oct 04 2005 31"	17mmT4	VF,VS,PATCH,VFSNUC,AGC2572,R=P
MAC 2319+1856		Galaxy
Oct 04 2005 31"	17mmT4	EF,VS,PATCH,UB,NND,AGC2572,R=P
MAC 2320+2711		Galaxy
Oct 30 2005 31"	17mmT4	NO FIND,S DBL * RIGHT ON TOP OF THIS LOC,LOC GOOD,R=P
MAC 2320+2712		Galaxy
Oct 30 2005 31"	17mmT4	PF,VS,PATCH,VFSNUC,PAIRS=7624/MAC'S,R=F
MAC 2320+2714		Galaxy
Oct 30 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=7624/MAC'S,R=P
MAC 2321+0815		Galaxy
Oct 30 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=7631,R=P
MAC 2321+2551		Galaxy
Oct 30 2005 31"	17mmT4	VF,ES,OVAL,PATCH,UB,NND,PAIR=7628,R=P
MAC 2322+1201		Galaxy
Oct 20 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=7643,R=P
MAC 2323+0944		Galaxy
Oct 25 2006 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIR=7648,R=F

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MAC 2323+0944A**Galaxy**

Oct 25 2006 31" 17mmT4 DIF,VF,PS,OVAL,PATCH,UB,NND,PAIR=MAC,R=P

MAC 2323+0948**Galaxy**

Oct 25 2006 31" 17mmT4 DIF,VF,PS,OVAL,PATCH,UB,NND,PAIR=MAC,R=P

MAC 2323+1433**Galaxy**

Sep 11 2012 36" 17mmT4 VF,VS,EL,PATCH,UB,AV FIRST THEN HOLDS,AGC 2593,R=P

Sep 10 2010 31" 17mmT4 EF,VS,PATCH,AV COMES AND GOES,AGC 2634,R=P

MAC 2323+1434**Galaxy**

Sep 10 2010 31" 17mmT4 EF,VS,PATCH,AV COMES AND GOES,BARRON FOV,OUTSIDE AGC 2593,R=P

MAC 2323+1437**Galaxy**

Sep 10 2010 31" 17mmT4 VF,VS,PATCH,UB,NND,AGC 2634,R=P

MAC 2323+1443**Galaxy**

Sep 10 2010 31" 17mmT4 PF,PS,OVAL,PATCH,FSNUC,AGC 2634,R=FP

MAC 2323+1448**Galaxy**

Sep 10 2010 31" 17mmT4 PF,PS,OVAL,PATCH,FSNUC,AGC 2634,R=FP

MAC 2323+1649**Galaxy**

Oct 25 2006 31" 17mmT4 VF,PS,OVAL,PATCH,UB,NND,AGC2589,R=F

MAC 2323+1654**Galaxy**

Oct 25 2006 31" 17mmT4 VF,VS,PATCH,AGC2589,R=P

MAC 2323+1656**Galaxy**

Oct 25 2006 31" 17mmT4 VF,MS,PATCH,AGC2589,R=F

MAC 2324+0929A**Galaxy**

Oct 25 2006 31" 17mmT4 VF,VS,OVAL,PATCH,UB,NND,VF* OFF ONE SIDE,PAIRS=MAC/PGC'S,R=P

MAC 2324+0931**Galaxy**

Oct 25 2006 31" 17mmT4 EF,VS,AV ONLY,SUSP,PAIRS=MAC'S/PGC'S,R=P

MAC 2324+0932**Galaxy**

Oct 25 2006 31" 17mmT4 VF,VS,OVAL,PATCH,UB,NND,PAIRS=MAC'S/PGC'S,R=P

MAC 2324+1357**Galaxy**

Oct 25 2006 31" 17mmT4 VF,VS,PATCH,NND,AV,PAIRS=NGC'S/MAC'S,R=P

MAC 2324+1357A**Galaxy**

Oct 25 2006 31" 17mmT4 MF,MS,PATCH,UB,NND,PAIRS=NGC'S/MAC'S,R=F

MAC 2324+1357B**Galaxy**

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MAC 2324+1357B	Galaxy
Oct 25 2006 31" 17mmT4	PF,VS,OVAL,PATCH,UB,NND,CLOSE COMP=7651,PAIRS=NGC'S/MAC'S,R=F
MAC 2324+1358	Galaxy
Oct 25 2006 31" 17mmT4	MF,PS,OVAL,PATCH,UB,NND,PAIRS=NGC'S/MAC'S,R=F
MAC 2324+1359	Galaxy
Oct 25 2006 31" 17mmT4	PF,MS,PATCH,UB,NND,PAIRS=NGC'S/MAC'S,R=F
MAC 2324+1359A	Galaxy
Oct 25 2006 31" 17mmT4	MF,PS,OVAL,PATCH,UB,NND,PAIRS=NGC'S/MAC'S,R=F
MAC 2324+1425B	Galaxy
Sep 10 2010 31" 17mmT4	PF,MS,PATCH,KEEP B* OUT OF FOV,NND,AGC 2634,R=F
MAC 2324+1426	Galaxy
Sep 11 2012 36" 17mmT4	EF,VS,OVAL,PATCH,UB,AGC 2593,R=P
MAC 2324+1430A	Galaxy
Sep 11 2012 36" 17mmT4	EF,ES,PATCH,VF* ONE SIDE,B* IN FOV,AV FIRST THEN HOLDS,AGC 2593,R=P
MAC 2324+1430B	Galaxy
Sep 11 2012 36" 17mmT4	EF,ES,B* IN FOV,AV FIRST THEN HOLDS,AGC 2593,R=P
MAC 2324+1431	Galaxy
Sep 10 2010 31" 17mmT4	PF,MS,OVAL,FLNUC,AGC 2634,R=F
MAC 2324+1433	Galaxy
Sep 11 2012 36" 17mmT4	EF,VS,AV COMES AND GOES,SUSP,AGC 2593,R=P
MAC 2324+1434A	Galaxy
Sep 11 2012 36" 17mmT4	EF,ES,AV ONLY A FEW TIMES,AGC 2593,R=P
MAC 2324+1434B	Galaxy
Sep 10 2010 31" 17mmT4	PF,PS,PATCH,UB,NND,AGC 2634,R=F
MAC 2324+1434C	Galaxy
Aug 23 2014 36" 17mmT4	EF,VS,PATCH AV FIRST THEN HOLDS,AGC 2593,R=P
MAC 2324+1436A	Galaxy
Sep 11 2012 36" 17mmT4	VF,VS,PATCH,UB,NND,AGC 2593,R=P
MAC 2324+1436B	Galaxy
Sep 11 2012 36" 17mmT4	EF,ES,ALM *,AV COMES AND GOES,AGC 2593,R=P
MAC 2324+1437A	Galaxy
Oct 25 2006 31" 17mmT4	MF,MS,OVAL,PATCH,FLNUC,AGC2593,R=P

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MAC 2324+1437B**Galaxy**

Oct 25 2006 31" 17mmT4 PF,PS,OVAL,BLNUC,AGC2593,R=F

MAC 2324+1438A**Galaxy**

Sep 10 2010 31" 17mmT4 PF,VS,PATCH,UB,AGC 2634,R=P

Oct 25 2006 31" 17mmT4 MF,MS,OVAL,PATCH,UB,NND,AGC2593,R=F

MAC 2324+1438B**Galaxy**

Sep 10 2010 31" 17mmT4 PF,PS,PATCH,UB,AGC 2634,R=F

Oct 25 2006 31" 17mmT4 PF,MS,OVAL,FLNUC,AGC2593,R=F

MAC 2324+1439A**Galaxy**

Sep 11 2012 36" 17mmT4 TOO CLOSE TO NGC 7649 TO DETECT,AGC 2593,R=P

MAC 2324+1439B**Galaxy**

Oct 25 2006 31" 17mmT4 MF,MS,OVAL,PATCH,FSNUC,AGC2593,R=F

MAC 2324+1439C**Galaxy**

Sep 10 2010 31" 17mmT4 PF,VS,PATCH,UB,AGC 2634,R=P

Oct 25 2006 31" 17mmT4 VF,PS,PATCH,UB,NND,AGC2593,R=P

MAC 2324+1440A**Galaxy**

Sep 11 2012 36" 17mmT4 EF,ES,ALM *,AGC 2593,R=P

MAC 2324+1440B**Galaxy**

Sep 10 2010 31" 17mmT4 VF,VS,PATCH,CAN JUST BARELY SEP THE TWO,COMP=MAC,AGC 2634,R=F

Oct 25 2006 31" 17mmT4 VF,PS,OVAL,PATCH,UB,NND,AGC2593,R=P

MAC 2324+1440C**Galaxy**

Sep 10 2010 31" 17mmT4 VF,VS,PATCH,CAN JUST BARELY SEP THE TWO,COMP=MAC,AGC 2634,R=P

Oct 25 2006 31" 17mmT4 VF,PS,OVAL,PATCH,UB,NND,AGC2593,R=P

MAC 2324+1440D**Galaxy**

Sep 11 2012 36" 17mmT4 SUSP,AGC 2593,R=P

MAC 2324+1441A**Galaxy**

Sep 11 2012 36" 17mmT4 EF,ES,AV HOLDS,PATCH,AGC 2593,R=P

MAC 2324+1441B**Galaxy**

Sep 11 2012 36" 17mmT4 EF,VS,PATCH,AV FIRST THEN HOLDS,AGC 2593,R=P

MAC 2324+1442**Galaxy**

Sep 10 2010 31" 17mmT4 PF,PS,PATCH,UB,NND,AGC 2634,R=FP

MAC 2324+1443A**Galaxy**

Sep 11 2012 36" 17mmT4 EF,ES,ALM *,VF* OFF ONE SIDE,AGC 2593,R=P

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MAC 2324+1443B Galaxy
 Sep 10 2010 31" 17mmT4 VF,VS,PATCH,TOOK AV A WHILE TO FIND,AGC 2634,R=P

MAC 2324+1445 Galaxy
 Sep 11 2012 36" 17mmT4 EF,ES,ALM *,SUSP,AGC 2593,R=P

MAC 2324+1446 Galaxy
 Sep 11 2012 36" 17mmT4 EF,ES,PATCH,AV COMES AND GOES,AGC 2593,R=P

MAC 2324+1450 Galaxy
 Sep 10 2010 31" 17mmT4 VF,VS,OVAL,PATCH,UB,AGC 2634,R=P

MAC 2324+1519 Galaxy
 Oct 25 2006 31" 17mmT4 MF,MS,PATCH,UB,NND,PAIRS=7653,PGC71386/MAC'S,R=F

MAC 2324+1643 Galaxy
 Sep 10 2010 31" 17mmT4 EF,VS,PATCH,AV COMES AND GOES,AGC 2589,R=P

MAC 2324+1647 Galaxy
 Oct 25 2006 31" 17mmT4 MF,PS,PATCH,UB,*NUC,NND,AGC2589,R=F

MAC 2325+0927 Galaxy
 Oct 25 2006 31" 17mmT4 EF,VS,AV,SUSP,PAIRS=MAC'S/PGC'S,R=P

MAC 2325+1514 Galaxy
 Oct 25 2006 31" 17mmT4 VF,VS,PATCH,UB,NND,PAIRS=PGC71386/7653/MAC,R=P

MAC 2325+2700 Galaxy
 Sep 30 2005 31" 17mmT4 PF,PS,PATCH,UB,NND,PAIR=7660,R=F

MAC 2327+0841 Galaxy
 Sep 27 2005 31" 17mmT4 VF,VS,OVAL,VFSNUC,PAIR=MAC'S,R=P

MAC 2327+0843 Galaxy
 Sep 27 2005 31" 17mmT4 DIF,EF,ES,AV,PAIR=MAC'S,R=P

MAC 2327+0845 Galaxy
 Sep 27 2005 31" 17mmT4 VF,VS,OVAL,VFSNUC,PAIR=MAC'S,R=F

MAC 2328+1714 Galaxy
 Sep 05 2007 31" 17mmT4 EF,VS,PATCH,NND,AV,PAIRS=CGCG454-73/PGC71542,R=P

MAC 2331+2118 Galaxy
 Sep 05 2007 31" 17mmT4 VF,VS,PATCH,UB,NND,R=P

MAC 2337+2653 Galaxy
 Sep 10 2010 31" 17mmT4 EF,VS,PATCH,AV FIRST THEN HOLDS,AGC 2634,R=P

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MAC 2337+2658 **Galaxy**
 Sep 10 2010 31" 17mmT4 PF,PS,OVAL,FSNUC,AGC 2634,R=F

MAC 2338+2652 **Galaxy**
 Sep 10 2010 31" 17mmT4 PF,PS,PATCH,NND,AGC 2634,R=P

MAC 2338+2655 **Galaxy**
 Sep 10 2010 31" 17mmT4 VF,VS,PATC,NND,AGC 2634,11,000TH OBJ LOGGED,R=P

MAC 2338+2700 **Galaxy**
 Sep 10 2010 31" 17mmT4 PF,VS,PATCH,UB,AGC 2634,R=P

MAC 2338+2701 **Galaxy**
 Sep 10 2010 31" 17mmT4 VF,VS,PATCH,AV FIRST THEN HOLDS,AGC 2634,R=P

MAC 2338+2701A **Galaxy**
 Sep 25 2003 31" 17mmT4 COMP=NGC7720,ABELL 2634

MAC 2338+2702A **Galaxy**
 Sep 10 2010 31" 17mmT4 VF,VS,PATCH,UB,NND,AGC 2634,R=P

MAC 2338+2702B **Galaxy**
 Sep 25 2003 31" 17mmT4 COMP=NGC7720,ABELL 2634

MAC 2338+2703 **Galaxy**
 Sep 10 2010 31" 17mmT4 EF,VS,PATCH,AV ONLY ONCE,SUSP,AGC 2634,R=P

MAC 2338+2704 **Galaxy**
 Sep 10 2010 31" 17mmT4 EF,VS,PATCH,AV COMES AND GOES,AGC 2634,R=P

MAC 2338+2705 **Galaxy**
 Sep 10 2010 31" 17mmT4 VF,VS,PATCH,UB,NND,AGC 2634,R=P

MAC 2338+2707 **Galaxy**
 Sep 10 2010 31" 17mmT4 VF,VS,OVAL,PATCH,UB,AGC 2634,R=P

MAC 2340+2710A **Galaxy**
 Dec 03 2004 31" 17mmT4 VF,VS,PATCH,UB,NND,F* OFF ONE SIDE,PAIR=7728,R=P

MAC 2342+2707 **Galaxy**
 Sep 05 2007 31" 17mmT4 VF,VS,PATCH,UB,NND,PAIRS=7737/PGC/MAC,R=P

MAC 2342+2707A **Galaxy**
 Sep 05 2007 31" 17mmT4 VF,VS,PATCH,UB,NND,PAIRS=7737/PGC/MAC,R=P

MAC 2342+2717 **Galaxy**
 Sep 05 2007 31" 17mmT4 EF,VS,PATCH,AV FIRST THEN HOLDS,PAIR=PGC72169,R=P

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MAC 2342+2731		Galaxy
Sep 05 2007 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=PGC72189,R=P
MAC 2343+2719		Galaxy
Sep 05 2007 31"	17mmT4	EF,ES,PATCH,AV,VF* ON EDGE,PAIRS=7740/PGC72216,R=P
MAC 2348+2647		Galaxy
Sep 12 2007 31"	17mmT4	EF,VS,PATCH,AV,R=P
MAC 2348+2659		Galaxy
Sep 12 2007 31"	17mmT4	PF,VS,PATCH,UB,NND,R=P
MAC 2348+2702		Galaxy
Sep 12 2007 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,R=P
MAC 2348+2708		Galaxy
Sep 12 2007 31"	17mmT4	EF,VS,PATCH,UB,AV HOLDS,R=P
MAC 2349+2649		Galaxy
Sep 12 2007 31"	17mmT4	EF,VS,PATCH,AV HOLDS,PAIR=PGC72506,R=P
MAC 2349+2656		Galaxy
Sep 12 2007 31"	17mmT4	EF,VS,PATCH,AV HOLDS,R=P
MAC 2349+2659		Galaxy
Sep 12 2007 31"	17mmT4	EF,VS,PATCH,UB,AV HOLDS,R=P
MAC 2350+2706		Galaxy
Sep 30 2005 31"	17mmT4	EF,VS,OVAL,PATCH,NND,AV,PAIRS=NGC'S/MAC'S,R=P
MAC 2350+2708		Galaxy
Sep 30 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=NGC'S/MAC'S,R=P
MAC 2350+2709		Galaxy
Sep 12 2007 31"	17mmT4	EEF,VS,PATCH,SUSP,PAIR=MAC,R=P
MAC 2350+2712		Galaxy
Sep 12 2007 31"	17mmT4	EF,VS,PATCH,AV,PAIR=MGC,R=P
MAC 2350+2713		Galaxy
Sep 30 2005 31"	17mmT4	EF,VS,UB,NND,AV,R=P
MAC 2351+2653		Galaxy
Sep 12 2007 31"	17mmT4	EF,VS,PATCH,SUSP,PAIR=MAC,R=P
MAC 2351+2655		Galaxy
Sep 12 2007 31"	17mmT4	EF,VS,PATCH,NND,AV,PAIR=MAC,R=P

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MAC 2351+2703		Galaxy	
Sep 12 2007 31"	17mmT4	NO FIND,LOC GOOD,16TH MAG?,SUSP,R=P	
MAC 2351+2707		Galaxy	
Sep 30 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,AV,PAIRS=NGC'S/MAC'S,R=P	
MAC 2351+2736		Galaxy	
Sep 12 2007 31"	17mmT4	NO FIND,VF* AT LOC,SUSP,R=P	
MAC 2352+2708		Galaxy	
Sep 12 2007 31"	17mmT4	PF,PS,PATCH,NND,VF*'S SUR EDGE OF GLXY,*'S CLOSE BY,PAIR=PGC72716,R=P	
MAC 2352+2730		Galaxy	
Sep 12 2007 31"	17mmT4	NO FIND,LOC GOOD,SUSP,R=P	
MAC 2352+2845		Galaxy	
Sep 30 2005 31"	17mmT4	MF,MS,PATCH,UB,NND,PAIR=7775,R=F	
MAC 2353+2713		Galaxy	
Sep 12 2007 31"	17mmT4	VF,VS,PATCH,NND,AV,AV FIRST THEN HOLDS,R=P	
MAC 2353+2818		Galaxy	
Sep 30 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=7777/MAC,R=P	
MAC 2353+2820		Galaxy	
Sep 30 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=7777/MAC,R=P	
MAC 2355+2149		Galaxy	
Sep 30 2005 31"	17mmT4	EF,VS,UB,NND,AV,R=P	
NGC 1		Galaxy SA(s)b:	F,S,R,BET*11\$*14 VF,
Sep 12 2002 12.5"	9mmT6	PB,ML,EL,SBM,MHISB,COMP=2	
Jul 31 1981 12.5"	24mm	DIF,PF,ES,DIM FT ARMS	
NGC 2		Galaxy Sab	VF,S,S OF1
Sep 12 2002 12.5"	9mmT6	VDIF,VF,PS,UB,OVAL,F* OFF ONE SIDE,COMP=1	
NGC 9		Galaxy Sb: pec	F,R,*9,10 SF
Sep 12 2002 12.5"	9mmT6	EDIF,EF,PS,COMES & GOES WITH AV,PATCH,SMWHT BM	
NGC 14		H591-2 Galaxy (R)IB(s)m pec	VF,PS,R,GLBM
Sep 12 2002 12.5"	9mmT6	DIF,PF,PL,FACE ON,UB,NND,VF* OFF ONE SIDE,R	
NGC 15		Galaxy Sa	VF,VS,R,BM
Sep 12 2002 12.5"	9mmT6	DIF,PF,PS,OVAL,SBM,S MHISB,EF* SUSP IN GLXY	
NGC 16		H15-4 Galaxy SAB0- sp	PB,S,R,BM

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NGC 16		H15-4	Galaxy SAB0- sp	PB,S,R,BM
Aug 30 2003 31"	25mm	VB,PL,EL,BLNUC,HISB,FARMS TAPERED,R=G		
Sep 12 2002 12.5"	9mmT6	VF,PL,EL,VBLNUC,HISB,FARMS,EL-OVAL,PAIR/22		
Sep 21 1984 12.5"	12mm	DIF,EF,ES,STAR LIKE,S EL,B* JUST TO N SVRL GLXY DIAMETER,		
Sep 21 1984 12.5"	16mm	DIF,VF,VS,EL,BM,NO *S,PAIR WITH NGC 1		
Sep 10 1980 12.5"	24mm			
NGC 22			Galaxy Sb	VF,PS,R,LBM,R
Aug 30 2003 31"	25mm	MB,PL,PATCH,UB,FVSNUC,R=G		
Sep 12 2002 12.5"	9mmT6	VDIF,PF,PS,R,UB,NND,B* OFF TO SIDE,PAIR/16		
NGC 23		H147-3	Galaxy SB(s)a	3S*+NEB
Sep 12 2002 12.5"	9mmT6	PB,PL,VBLNUC,F* IN GLXY, HISB,PAIR/26		
Sep 21 1984 12.5"	12mm	DIF,VF,MS,EL,VF* IN S ARM,SBM		
Jul 07 1981 12.5"	24mm	DIF,EF,MS,FARMS		
Sep 10 1980 12.5"	24mm			
NGC 26			Galaxy SA(rs)ab	VF,PL,R,2F*N
Sep 12 2002 12.5"	9mmT6	DIF,PF,PL,3F*S OFF TO ONE SIDE,OVAL,SMWHT BM,SLT HISB,PAIR/23		
NGC 41			Galaxy S?	PF,S,LE,GBM
Sep 12 2002 12.5"	9mmT6	DIF,PF,MS,UB,PATCH,PAIR/42		
NGC 42			Galaxy S0-:	F,VS,STELL
Sep 12 2002 12.5"	9mmT6	PB,MS,SBM,OVAL-EL,SHISB,PAIR/41		
NGC 52		H183-3	Galaxy S?	VF,S,E
Sep 12 2002 12.5"	9mmT6	DIF,PF,PL,EDGE ON,UB,NND,VF* EDGE OF GLXY		
NGC 7033			Galaxy S?	VF,S,R
Jun 27 2003 12.5"	9mmT6	MF,MS,PATCH,UB,NND,PAIR=7034,R=F		
NGC 7034			Galaxy E	VF,VS,R
Jun 27 2003 12.5"	9mmT6	MF,ML,PATCH,BNUC,LNUC AREA,SHISB CNTR,PAIR=7033,R=G		
NGC 7042		H209-3	Galaxy Sb	VF,S,R
Aug 10 2002 12.5"	12mm	DIF,MF,PL,OVAL,PATCHY,UB,COMP=7043		
Aug 10 2002 12.5"	9mmT6	DIF,MF,MS,EL,MHISB,MBM		
NGC 7043			Galaxy SBa:	VF,S,R
Aug 10 2002 12.5"	9mmT6	DIF,PF,PS,PATCH,UB,SBM		
Aug 10 2002 12.5"	9mmT6	EDIF,EF,MS,AV ONLY,PATCH,UB,COMP=7042		
NGC 7053			Galaxy S?	PB,S,VLE
Jun 27 2003 12.5"	9mmT6	MB,ML,R,NND,SHISB,R=G		
NGC 7056			Galaxy SBb	PF,S,R

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NGC 7056		Galaxy SBb	PF,S,R
Aug 25 1982	12.5" 16mm	DIF,PF,PS,F*N AND S,MHISB,R-OVAL,NND	
NGC 7066		Galaxy S?	EEF,CLOSE SF OF 3F*
Jun 27 2003	12.5" 9mmT6	MF,ML,OVAL,PATCH,FNUC,SBM,R=G	
NGC 7068		Galaxy Sc	VF,CLOSE TO A S*
Jun 27 2003	12.5" 9mmT6	MF,PS,OVAL,PATCH,*NUC,*NUC OR F* IN GLXY,R=F	
NGC 7074		Galaxy C	VF,S,E
Jun 27 2003	12.5" 9mmT6	VDIF,VF,PS,PATCH,NND,B*S IN FOV WASH OUT GLXY,R=P	
NGC 7078	M15	Globular	GCL,VB,VL,IR,VSMBM
Jul 01 2019	36" 17mmT4	(Class IV),EB,EL,HISB MID,COMPLETELY RSLV,GRAD BM,PEASE 1 B BLUE OFF CNTR,R=EEE	
Jul 05 2008	31" 17mmT4	(Class V),EB,EL,RSLV,THOUS *S,3D EFFECT,*S OUTER EDGE SC,R=E	
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Sep 21 1984	12.5" 16mm	SAME	
Jul 06 1983	12.5" 12mm	VB,VL,BNUC,BSNUC,RSLV HALO OF HUNDREDS OF *S	
Jul 29 1981	12.5" 16mm	EB,PL,BNUC,B HALO OF *S	
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Sep 07 1980	12.5" 24mm		
Jul 15 1980	12.5" 24mm		
Jul 12 1980	12.5" 24mm		
Jul 11 1980	12.5" 24mm		
Jul 11 1980	12.5" 24mm		
Jul 05 1980	12.5" 24mm		
Jun 20 1980	12.5" 24mm		
Jun 17 1980	12.5" 24mm		
NGC 7085		Galaxy Sc	EF,S,E
Jun 27 2003	12.5" 9mmT6	MF,MS,PATCH,FSNUC,TIGHT NUC,R=F	
NGC 7094		Planetary Neb 4	*IN EEF NEBY,VDIFFIC
Sep 02 2008	31" 17mmT4	VF,ML,R,NEB BARELY DET,CNTR* 12MAG,OIII HELPS MUCH,CNTR* W/RND NEB,DARK CNTR AREA,R=F	
Sep 20 2003	31" 25mm	PF,VL,R,B CNTR *,AREAS OF PATCHES IN NEB,R=G	
NGC 7100		Galaxy C	VF,RESOLVABLE
Jun 27 2003	12.5" 9mmT6	MF,PS,R,BNUC,GBM,PAIR=7101,R=F	
NGC 7101		Galaxy	F,VS,R,STELL
Jun 27 2003	12.5" 9mmT6	EDIF,EF,ES,SUSP,LOC GOOD,PAIR=7100,R=P	
NGC 7102		Galaxy SB(rs)b?	F,PL,R
Jun 27 2003	12.5" 9mmT6	DIF,VF,PL,PATCH,UB,NND,R=P	
NGC 7112		Galaxy Sab	EEF,S,R,PB*CLOSE P

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NGC 7112		Galaxy Sab	EEF,S,R,PB*CLOSE P
Jun 27 2003	12.5" 9mmT6	DIF,VF,MS,PATCH,UB,NND,PAIR=7113,R=P	
NGC 7113		Galaxy E	VF,S,STELL
Jun 27 2003	12.5" 9mmT6	DIF,VF,VS,PATCH,UB,NND,PAIR=7112,R=P	
NGC 7132		Galaxy Sc	VF,PL,LE,BET2*
Jun 27 2003	12.5" 9mmT6	PF,MS,PATCH,UB,NND,R=P	
NGC 7137		H261-2 Galaxy SAB(rs)c	F,PS,R,VGLBM,R
Sep 21 1984	12.5" 16mm	DIF,MF,MS,R-OVAL,UB,MAYBE SMB,NO *S	
Aug 25 1982	12.5" 16mm	VF,MS,MHISB,OVAL-PATCH	
Jul 07 1981	12.5" 16mm	DIF,PF,ES,VF HALO	
Sep 10 1980	12.5" 24mm		
NGC 7138		Galaxy SBa	VF,VS,STELL
Jun 27 2003	12.5" 9mmT6	PF,VS,PATCH,UB,F* TO EDGE,R=P	
NGC 7146		Galaxy SAB(s)ab:	F,R
Jun 27 2003	12.5" 9mmT6	VDIF,EF,MS,PATCH,AV,PAIR=7147,R=P	
NGC 7147		Galaxy SB(s)0+:	F,S,LE
Jun 27 2003	12.5" 9mmT6	PF,MS,OVAL,PATCH,UB,PAIR=7146,R=F	
NGC 7148		Galaxy C	VF,VS,R
Oct 06 2004	31" 17mmT4	PF,MS,R,FSNUC,R NUC,BM,NGC7149 CLOSE BY,R=F	
Jun 27 2003	12.5" 9mmT6	VDIF,VF,PS,OVAL,PATCH,AV COMES AND GOES,PAIR=7149,R=P	
NGC 7149		Galaxy E	VF,VS,R
Jun 27 2003	12.5" 9mmT6	MF,MS,OVAL,PATCH,UB,FNUC,SNUC AREA,PAIR=7148,R=F	
NGC 7156		H452-3 Galaxy SAB(rs)cd:	F,PL,R,BM,R
Aug 10 2002	12.5" 9mmT6	VDIF,VF,PL,OVAL,UB,NND	
NGC 7159		Galaxy	EEF,ES,R,VF*SF
Jun 27 2003	12.5" 9mmT6	PF,MS,OVAL,FNUC,SNUC,R=F	
NGC 7177		H247-2 Galaxy SAB(r)b	PB,PS,R,BMN,R,*SP
Aug 10 2002	12.5" 9mmT6	VDIF,VF,PS,PATCHY,SLT,EL	
Sep 21 1984	12.5" 16mm	MB,PL,BNUC,R,BM,4F*S IN A LOOP STARTING TOWARDS S,MHISB	
Aug 25 1982	12.5" 16mm	MB,PL,MHISB,F*S 1 GLXY DIA,R,VMBM	
Jul 07 1981	12.5" 16mm	DIF,MF,PS,DIM HALO	
Sep 10 1980	12.5" 24mm		
Jul 15 1980	12.5" 24mm		
Jul 11 1980	12.5" 24mm		
NGC 7190		Galaxy SB0	EF,VS,IR,LBM

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NGC 7190		Galaxy SB0	EF,VS,IR,LBM
Jun 27 2003 12.5"	9mmT6	PF,PS,OVAL,PATCH,UB,R=P	
NGC 7194		Galaxy E	VF,VS,R,LBM
Aug 25 1982 12.5"	16mm	VDIF,VF,ES,R,COMP GLXY TO N SUSP(7195),SBM	
NGC 7195		Galaxy	EEF,R,VDIFFIC
Aug 25 1982 12.5"	16mm	EEDIF,EF,EDGE OF AV,COMP 7194	
NGC 7206		Galaxy S0:	F,S,LE,BM
Jun 27 2003 12.5"	9mmT6	MF,MS,EL,BNUC,BSNUC,PAIR=7207,R=F	
NGC 7207		Galaxy	VF,S
Jun 27 2003 12.5"	9mmT6	VF,PS,PATCH,UB,PAIR=7206,R=P	
NGC 7212		Galaxy S?	EF,VS,LE
Sep 14 2012 36"	17mmT4	PF,PS,OVAL,BSNUC,JUST TOUCH MAC,R=F	
Jun 27 2003 12.5"	9mmT6	VF,PS,OVAL,PATCH,NND,R=P	
NGC 7217		H207-2 Galaxy (R)SA(r)ab	B,PL,GBM,ER
Sep 14 2012 36"	17mmT4	PB,PL,OVAL-R,BLNUC,HISB,GMBM,F* OFF SIDE,R=G	
Sep 21 1984 12.5"	12mm	PB,PL,BNUC,R,VMBM,SOFT LNUC	
Aug 25 1982 12.5"	16mm	MB,PL,R,VMBM	
Jul 07 1981 12.5"	24mm	MB,PB,ELDIM NUC,F HALO	
Sep 10 1980 12.5"	24mm		
Jul 15 1980 12.5"	24mm		
Jul 12 1980 12.5"	24mm		
Jul 11 1980 12.5"	24mm		
NGC 7224		Galaxy E	F,S,R
Sep 14 2012 36"	17mmT4	MF,PS,OVAL,BSNUC,VF* IN EDGE,PAIR=MAC,R=F	
Aug 25 1982 12.5"	12mm	MILKY PATCH,NND,HISB	
Aug 25 1982 12.5"	16mm	VDIF,VF,PS,PATCH-OVAL,NND	
NGC 7236		Galaxy SA0-	VF,S,STELLAR
Aug 25 1982 12.5"	16mm	EDIF,EF,ES,INSIDE S TRI OF *S,COMP 7237,SEEN WITH AV	
NGC 7237		Galaxy SA0-	VF,S,STELLAR
Sep 18 1982 12.5"	16mm	EDIF,EF,ES,COMP 7236,AV,PATCH	
NGC 7241		Galaxy SB(s)bc? pec	PF,LE,*10ATT S
Aug 03 2013 36"	17mmT4	PB,ML,NND,IRR,*S BOTH ENDS,ONE SIDE THICKER THAN OTHER,DUST SUSP,HISB,R=G	
Sep 18 1982 12.5"	12mm	S PART BTR THAN N, S PART THICKER THAN N	
Sep 18 1982 12.5"	16mm	DIF,MF,MS,EL3F*S S TIP,1*N TIP,F*W 1 GLXY DIA,HISB	
NGC 7244		Galaxy S?	EF,ES,R,BM
Sep 18 1982 12.5"	16mm	EDIF,VF,F*S IN LINE POINT TO IT,OVAL-PATCH,SEEN WITHOUT AV	

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NGC 7253A		Galaxy SB?	VF,PE
Oct 20 2006 31"	17mmT4	MF,PL,EL,FLNUC,INTRACT=7253B,SHISB CNTR,R=G	
Sep 18 1982 12.5"	16mm	VDIF,PF,MS,2F*S AT EACH END,INTRACT PAIR(7253B),PATCH,OVAL	
NGC 7253B		Galaxy S?	
Oct 25 2006 31"	17mmT4	MF,ML,EL,UB,NND,INTRACT=7253A,2F*S IN EDGE,R=F	
NGC 7270		Galaxy S?	VF,S,E
Jun 27 2003 12.5"	9mmT6	MB,ML,OVAL,BNUC,SHISB,BSNUC,GBM,PAIRS=7271/7275,R=F	
Sep 18 1982 12.5"	16mm	DIF,MF,VS,MHISB,OVAL-PATCH,*NUC SUSP,PAIR/7271	
NGC 7271		Galaxy L	VF,S,VLE
Jun 27 2003 12.5"	9mmT6	DIF,VF,PS,PATCH,AV COMES AND GOES,PAIRS=7270/7275,R=P	
Sep 18 1982 12.5"	16mm	STELL WITH A FT FUZZ USING AV,V CLOSE TO 7270	
NGC 7275		Galaxy Sa	EF,S,ME
Jun 27 2003 12.5"	9mmT6	PF,MS,EL,UB,NND,PAIRS=7270/7271,R=F	
NGC 7280		H248-2 Galaxy SAB(r)0+	F,CS,R,GBMS*,3*N,NF
Sep 18 1982 12.5"	16mm	DIF,MF,PS,BNUC,TRI OF *S TO N,GMBM,DIF HALO	
NGC 7283		Galaxy S?	VF,VS,R
Jun 27 2003 12.5"	9mmT6	DIF,VF,MS,PATCH,UB,NND,R=P	
NGC 7286		Galaxy S0/a	VF,S,R,AM ST
Sep 18 1982 12.5"	16mm	DIF,PF,MS,SOME F*S TO N,MHISB,OVAL-PATCH,SLT ,EL	
NGC 7290		Galaxy SA(r)bc	PB,S,PME
Jun 27 2003 12.5"	9mmT6	MF,PL,OVAL,UB,SHISB,R=F	
Sep 18 1982 12.5"	16mm	VDIF,PF,PS,NND,OVAL,PATCH	
NGC 7291		Galaxy S0	EF,ES,R,SMBM
Sep 18 1982 12.5"	16mm	VDIF,VF,VS,SLT BM,R,F*NE 1 GLXY DIA	
NGC 7292		Galaxy IBm	EF,S,OVAL,F*INV
Jun 27 2003 12.5"	9mmT6	MB,VL,OVAL,PATCH,F* ON EDGE,R=G	
NGC 7303		Galaxy Sbc	VF,S,R,GVLBM
Sep 14 2012 36"	17mmT4	MF,ML,PATCH,MHISB,SOME SPR STR SUSP,SLT GRADUALLY BM,R=FG	
Sep 18 1982 12.5"	16mm	VDIF,VF,MS,R,DIF HALO,NND	
NGC 7305		Galaxy E/S0	EF,S,R,4F*AROUND
Sep 17 2003 31"	25mm	MF,MS,R,PATCH,BNUC,SHISB,VF* OFF TO ONE EDGE,R=F	
NGC 7311		H428-2 Galaxy Sab	PF,S,R,PSBM,R
Sep 17 2003 31"	25mm	PB,PL,EL,BNUC,HISB,LNUC AREA,GMBM,FARMS,R=E	
Sep 18 1982 12.5"	16mm	DIF,PF,MS,BNUC,R,GBM	

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NGC 7312		Galaxy SB(s)b	F,S
Sep 17 2003 31"	25mm	MF,PL,EL,PATCH,FNUC,SBM,R=F	
NGC 7315		Galaxy S0	VF,ES,R,BM
Sep 14 2012 36"	17mmT4	MB,ML,OVAL,BLNUC,2-3F*S IN GLXY EDGE,HISB CNTR,PAIR=PGC69245,R=FG	
Sep 18 1982 12.5"	16mm	VDIF,VF,VS,SBM,R	
NGC 7316		H180-3 Galaxy S	F,S,R,*8SP
Sep 14 2012 36"	17mmT4	MB,MS,OVAL,VSNUC,SHISB,VF * ON OUTER EDGE,B* IN FOV,R=FG	
Jul 06 1983 12.5"	16mm	DIF,VF,VS,EL,* OFF *NUC SUSP,CIGAR SHAPE	
Sep 18 1982 12.5"	16mm	DIF,MF,MS,OVAL,SBM,B* CLOSE BY	
NGC 7317		Galaxy E4	VF,VS
Oct 06 2004 31"	17mmT4	MB,PS,OVAL,FLNUC,GBM,MHISB CNTR,STEPHAN'S QUINTET,R=F	
Sep 01 2002 12.5"	16mm	EEEDIF,VF,VS,F* ON EDGE OF GLXY,SBM,STEPHEN'S QUINTET	
NGC 7318A		Galaxy E2 pec	EF,ES
Oct 06 2004 31"	17mmT4	MF,PS,OVAL,BSNUC,GBM,MHISB CNTR,STEPHAN'S QUINTET,R=F	
Sep 01 2002 12.5"	16mm	EEDIF,PF,PS,EL,COMP=7318B,CONNECTED,COULD NOT SPLIT,OVAL,PATCH,NND	
Jul 06 1983 12.5"	16mm	EEDIF,EF,ES,F*S SUR,PATCH,EDGE OF VIS	
Sep 18 1982 12.5"	16mm	STEPHENS QUINTET,VDIF,VF,MS,PATCH-OVAL,ONE OF THE BMEMBERS	
NGC 7318B		Galaxy SB(s)bc pec	EF,ES
Oct 06 2004 31"	17mmT4	MB,PS,OVAL,BSNUC,GBM,MHISB CNTR,STEPHAN'S QUINTET,R=G	
Sep 01 2002 12.5"	16mm	EEDIF,PF,PS,COMP=7318A,CONNECTED,COULD NOT SPLIT,STEPHAN'S QUINTET	
NGC 7319		Galaxy SB(s)bc pec	EF,ES
Oct 06 2004 31"	17mmT4	PB,ML,OVAL,PATCH,FSNUC,SHISB,STEPHAN'S QUINTET,R=G	
Sep 01 2002 12.5"	16mm	EEDIF,VF,PS,NND,OVAL PATCH,STEPHEN'S QUINTET	
NGC 7320		Galaxy SA(s)d	F,VS
Oct 06 2004 31"	17mmT4	PB,PL,OVAL,UB,NND,MHISB,*IN GLXY,PATCHY AREAS DET,STEPHAN'S QUINTET,R=E	
Sep 01 2002 12.5"	16mm	VDIF,PF,PS,EL,BTR OF GRP,OVAL,NND,COMP,STEPHAN'S QUINTET	
Sep 21 1984 12.5"	16mm	VDIF,VF,VS,F PATCH,2 COMP CLOSE BY DET	
Sep 18 1982 12.5"	16mm	STEPHENS QUINTET,EDIF,VF,MS,OBLONG,BMEMBER	
NGC 7320C		Galaxy (R)SAB(s)0/a	
Oct 06 2004 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,PAIR=STEPHAN'S QUINTET,R=P	
NGC 7321		H237-3 Galaxy SB(r)b	F,S,IR,VGVLBM
Sep 17 2003 31"	25mm	PB,PL,EL,BNUC,MHISB,L CNTR NUC,F*ON EDGE,CLOSE PAIR=69282,R=G	
NGC 7323		Galaxy Sb	PF,PL,IR
Sep 14 2012 36"	17mmT4	MB,ML,OVAL,UB,NND,MHISB,PAIR=7324,R=G	
Sep 18 1982 12.5"	16mm	DIF,VF,ES,CLOSEPAIR/7324,F* TO W,R,PATCH	
NGC 7324		Galaxy E	VF,VS,NEB*

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NGC 7324		Galaxy E	VF,VS,NEB*
Sep 14 2012 36"	17mmT4	MF,MS,EL,BSNUC,F* BOTH ENDS,PAIR=7323,R=F	
Sep 18 1982 12.5"	16mm	VDIF,EF,ES,CLOSE PAIR/7323,R,PATCH	
NGC 7328		Galaxy Sab	EF,PS,LE90,VGLBM
Jul 06 1983 12.5"	16mm	DIF,VF,VS,PATCHY,OBLONG,NND,UB	
Sep 18 1982 12.5"	16mm	VDIF,VF,MS,EL,F*E SUSP,NND,LOCATED IN BARREN FIELD	
NGC 7331		H53-1 Galaxy SA(s)b	B,PL,PME163,SMBM
Sep 17 2003 31"	25mm	EB,EL,EDGE ON,BNUC,HISB,TIGHT BNUC,DUST LANE,COMP DET,7331 CL,R=E	
Jun 27 2003 12.5"	9mmT6	EB,EL,BNUC,VHISB,DUST DET,BLNUC,F HALO & ARMS,OTHERS PRESENT,R=E	
Sep 01 2002 12.5"	12mm	SAME	
Sep 21 1984 12.5"	12mm	MB,ML,EDGE ON,SAME,COMP CLOSE BY	
Jul 06 1983 12.5"	16mm	MB,PL,EDGE ON,BLNUC,TAPERED ENDS,DUST LANE SUSP IN 12MM	
Sep 18 1982 12.5"	16mm	MB,ML,EDGE ON,BNUC,DUST LANE SUSP,TAPERED ENDS,7335 CLOSE BY	
Jul 29 1981 12.5"	24mm	SAME,3 COMP GLXY SEEN,7335/7336/7340	
Jul 07 1981 12.5"	24mm	PB,PL,EDGE ON,BNUC,DIM AREA	
Sep 18 1980 12.5"	24mm		
Sep 10 1980 12.5"	24mm		
Sep 07 1980 12.5"	24mm		
Jul 17 1980 12.5"	24mm		
Jul 15 1980 12.5"	24mm		
Jul 12 1980 12.5"	24mm		
Jul 11 1980 12.5"	24mm		
Jun 20 1980 12.5"	24mm		
Jun 17 1980 12.5"	24mm	TWILIGHT STARTING,OBJ WASHED OUT	
NGC 7332		H233-2 Galaxy S0 pec sp	CB,S,ME156,SMBMN,P-2
Sep 14 2012 36"	17mmT4	VB,VL,EDGE ON,BSNUC,E PAIR,CNTR BULGE,GMBM,HISB CNTR,PAIR=7339,R=E	
Aug 10 2002 12.5"	12mm	SAME	
Sep 21 1984 12.5"	12mm	SAME,NO *S	
Jul 06 1983 12.5"	16mm	MF,MS,EDGE ON,BNUC,CLOSE PAIR/7339,MINATURE M104,BBULGE,TAPERED ENDS	
Sep 18 1982 12.5"	16mm	MB,ML,EDGE ON,BNUC,GMBM,TAPERED,PAIR/7339	
Jul 29 1981 12.5"	16mm	EDGE ON,GMBM	
Jul 07 1981 12.5"	16mm	DIF,MB,ML,F HALO,F COMP CLOSE BY	
Sep 10 1980 12.5"	24mm		
Sep 07 1980 12.5"	24mm		
Jul 15 1980 12.5"	24mm		
Jul 12 1980 12.5"	24mm		
Jul 11 1980 12.5"	24mm	LOC BET 2B*S	
NGC 7335		H166-3 Galaxy SA(rs)0+	VF,VS
Sep 17 2003 31"	25mm	MB,ML,UB,NND,7331 CL,R=F	
Sep 01 2002 12.5"	12mm	VDIF,VF,PS,PATCH-OVAL,UB,CLOSE TO 7331	
Sep 18 1982 12.5"	16mm	VDIF,VF,VS,OVAL,PATCH,NND	
Jul 29 1981 12.5"	24mm	DIF,VF,VS,SMWHT EL,UB THROT GLXY,PAIR/7331 AND OTHERS	

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NGC 7336		Galaxy S	EF,VS
Sep 17 2003 31"	25mm	PF,VS,PATCH,NND,7331 CL,R=P	
Sep 18 1982 12.5"	16mm	VDIF,VF,PS,SAME FIELD WITH 7331,R-OVAL,2F*S POINT AT OBJ	
Jul 29 1981 12.5"	24mm	VDIF,EF,ES,PAIR/7331	
NGC 7337		Galaxy SB(rs)b	EF,S,STELLAR
Sep 01 2002 12.5"	12mm	DIF,VF,VS,OVAL PATCH,SBM,F*EDGE,CLOSE TO 7331	
Jul 29 1981 12.5"	24mm	DIF,EF,ES	
NGC 7339		H234-2 Galaxy SAB(s)bc:?	F,PS,ME89,VGLBM,FOF2
Sep 14 2012 36"	17mmT4	PB,VL,EDGE ON,UB,NND,E PAIR,SMWHT IRR EDGE ON,PAIR=7332,R=E	
Aug 10 2002 12.5"	12mm	SAME	
Sep 21 1984 12.5"	12mm	SAME,NO *S	
Jul 06 1983 12.5"	16mm	DIF,MF,PS,EDGE ON,CLOSE PAIR/7332,UB,NND,MHISB	
Sep 18 1982 12.5"	16mm	DIF,PF,ML,EDGE ON,NND,UB,PAIR/7332	
Jul 29 1981 12.5"	16mm	GOOD PAIR/7332,DIF,EDGE ON,SMWHT BM,	
Jul 12 1980 12.5"	24mm	CLOSE TO 7332,F	
NGC 7340		Galaxy E?	VF,VS
Sep 17 2003 31"	25mm	PF,MS,R,FNUC,F HALO SUR NUC,7331 CL,R=F	
Sep 01 2002 12.5"	12mm	DIF,VF,PS,F OVAL PATCH,UB,CLOSE TO 7331	
Sep 18 1982 12.5"	24mm	NO FIND	
Jul 29 1981 12.5"	24mm	DIF,MF,MS,FNUC,SAME DECLINATION AS 7331,R,PAIR/7331	
NGC 7342		Galaxy SBa	EF,VS
Sep 17 2003 31"	25mm	MF,PL,R,FNUC,F* IN GLXY EDGE,SNUC,GBM,PAIT/7345/69406,R=G	
NGC 7343		Galaxy (R')SB(s)bc:	EF,VS,R,LBM,S*INV
Sep 17 2003 31"	25mm	PB,ML,PATCH,FNUC,FSNUC,R=F	
Sep 01 2002 12.5"	12mm	EEDIF,EF,VS,OVAL PATCH,UB,2F*S FORM TRI WITH GLXY	
Sep 18 1982 12.5"	16mm	EDIF,EF,ES,VF* E 1 GLXY DIA,COMES AND GOES WITH AV,R,PATCH	
NGC 7345		Galaxy Sa	EF,VS
Sep 17 2003 31"	25mm	PB,ML,EDGE ON,FNUC,NUC BULDGE,SHISB,PAIR/7342/69406,R=G	
NGC 7346		Galaxy E	EF,VS,STELLAR
Sep 17 2003 31"	25mm	PF,PS,OVAL,PATCH,FNUC,SBM,PAIR=7347,MOON ON HRZN,R=F	
NGC 7347		Galaxy S?	EF,PL,E
Sep 17 2003 31"	25mm	PF,ML,EDGE ON,UB,PAIR=7346,MOON ON HRZN,R=F	
NGC 7348		Galaxy Scd:	VF,PL,IR
Sep 17 2003 31"	25mm	VF,MS,OVAL,PATCH,UB,NND,MOON UP,R=F	
NGC 7353		Galaxy Sbc	EF
Sep 17 2003 31"	25mm	PF,MS,PATCH,UB,NND,MOON UP,R=F	

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NGC 7356		Galaxy Sbc	EF,PS,R,GLBM,*ATT
Sep 20 2003 31"	25mm	MF,ML,PATCH,FNUC,SHISB,SBM,F* OFF ON EDGE,R=G	
NGC 7357		Galaxy Sb	VF,VS,VF*INV
Sep 20 2003 31"	25mm	MF,MS,OVAL,PATCH,VFNUC,SBM,JUST BARELY HISB,F* ON EDGE,R=F	
NGC 7360		Galaxy S?	EF,VS
Jul 06 1983 12.5"	16mm	EDIF,EF,MS,EL,UB,PATCH	
NGC 7362		Galaxy E:	VF,S,R,LBM
Sep 20 2003 31"	25mm	MB,PL,R,BNUC,MHISB,BLNUC,PAIR/69582,R=F	
NGC 7363		Galaxy SAB(s)d:	PF,PL,E,D*F
Sep 20 2003 31"	25mm	MB,PL,R,NND,SHISB,3F*S IN GLXY,FACE ON,FARMS,R=G	
Jul 06 1983 12.5"	16mm	EDIF,VF,VS,SOME VF*S SUR,*NUC	
NGC 7366		Galaxy S	EF,S,STELLAR
Sep 20 2003 31"	25mm	DIF,PF,MS,PATCH,NND,R=F	
NGC 7367		Galaxy Sab:	VF,PS,LE
Sep 20 2003 31"	25mm	PB,ML,EL,PATCH,FNUC,SBM,SHISB,F* IN GLXY,R=G	
Sep 20 2003 31"	25mm	MF,MS,EL,FNUC,VF* IN GLXY,SBM,R=G	
NGC 7369		Galaxy S?	PF,BET2F*
Sep 20 2003 31"	25mm	PF,MS,PATCH,UB,NND,R=F	
NGC 7370		Galaxy	EF,VS
Sep 20 2003 31"	25mm	DIF,PF,MS,PATCH,UB,PAIR/7372,R=P	
NGC 7372		Galaxy S?	F,S,IR
Sep 20 2003 31"	25mm	MB,ML,OVAL,PATCH,VFNUC,SBM,PAIR/7370,R=F	
NGC 7373		Galaxy SAB(s)0^?	F,VS,BM,STELLAR
Sep 20 2003 31"	25mm	MB,ML,R,BNUC,MHISB,GMBM,BNUC,R=G	
NGC 7374		Galaxy S?	VF,PL,R
Sep 20 2003 31"	25mm	MB,PL,PATCH,UB,NND,PAIR/69675,R=F	
NGC 7375		Galaxy S(r)0	EF,VS,R
Sep 20 2003 31"	25mm	PB,ML,BNUC,HISB CNTR,PAIR/IC 5254,R=G	
NGC 7376		Galaxy SB0+:	EF,VS,R
Sep 20 2003 31"	25mm	DIF,PF,MS,PATCH,UB,NND,R=F	
NGC 7383		Galaxy SB0	VF,VS,R,7385NF
Sep 20 2003 31"	25mm	MF,ML,OVAL,BNUC,7385 CL OF 9,R=F	

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NGC 7384		Galaxy	EF,5'NF7383
Sep 20 2003 31"	25mm	DIF,PF,PS,PATCH,UB,NND,7385 CL OF 9,R=P	
NGC 7385		H216-3 Galaxy E pec:	CF,S,R,GLBM,*11NP
Sep 20 2003 31"	25mm	PB,PL,OVAL,PATCH,BNUC,MHISB,LNUC AREA,9 GLXY IN CL,R=G	
NGC 7386		H217-3 Galaxy SA0:	CF,S,R,PGBM,F OF 2
Sep 20 2003 31"	25mm	PB,PL,EL,BNUC,SNUC AREA,MHISB,7386 CL OF 9,R=G	
NGC 7387		Galaxy S0-:	EF,VS,R,2*11S
Sep 20 2003 31"	25mm	MF,ML,OVAL,BNUC,SHISB,BSNUC,GBM,CLOSE COMP,7385 CL OF 9,R=G	
NGC 7388		Galaxy	VF,*11F2.5'
Sep 20 2003 31"	25mm	EDIF,EF,PS,PATCH,SUSP,LOC GOOD,7385 CL OF 9,R=P	
NGC 7389		Galaxy SB0	VF,R
Sep 20 2003 31"	25mm	MF,MS,BNUC,NND,BSNUC,BARELY HISB,7385 CL OF 9,R=F	
NGC 7390		Galaxy S0?	EF,S OF 7389
Sep 20 2003 31"	25mm	PF,PS,PATCH,VFNUC,SBM,7385 CL OF 9,R=F	
NGC 7405		Galaxy Sc	EF,S,R
Sep 23 2003 31"	17mmT4	DIF,PF,MS,OVAL,PATCH,UB,NND,R=P	
NGC 7407		Galaxy Sbc	EF,VS
Sep 23 2003 31"	17mmT4	VF,VL,OVAL,PATCH,UB,MHISB,R=G	
NGC 7409		Galaxy E	EF
Sep 23 2003 31"	17mmT4	MB,ML,OVAL-R,BSNUC,SHISB,PAIRS/69955/7411,R=G	
NGC 7411		Galaxy E:	VF,VS
Sep 23 2003 31"	17mmT4	MF,ML,R,BSNUC,SHISB/PAIRS/69955/69984/7415,R=G	
NGC 7413		Galaxy S0- pec:	EEF,PS,R,SOF2,VDIFFI
Sep 23 2003 31"	17mmT4	PB,ML,EL,BSNUC,SHISB,R=F	
NGC 7414		Galaxy	EEF,S,R,NOF2,VDIFFIC
Sep 23 2003 31"	17mmT4	VDIF,VF,MS,PATCH,UB,NND,R=P	
NGC 7415		Galaxy Sab	EF
Sep 23 2003 31"	17mmT4	DIF,PF,MS,EL,PATCH,UB,NND,INTRACT WITH 69984,R=F	
NGC 7420		Galaxy S?	VF,S
Sep 23 2003 31"	17mmT4	PB,PL,R,BSNUC,F* IN ARM,SPR STR SUSP,R=G	
NGC 7427		Galaxy Compact	F,S,*9SF4'
Sep 23 2003 31"	17mmT4	DIF,MB,PL,PATCH,UB,R=G	

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NGC 7430			Galaxy S	EF,VS
Sep 23 2003 31"	17mmT4	MF,PL,R,FSNUC,F*	ON EDGE,R=F	
NGC 7431			Galaxy S?	EF,VS
Sep 23 2003 31"	17mmT4	DIF,PF,MS,EDGE ON,PATCH,VFNUC,5	GLXY INTRACT,R=F	
NGC 7432		H465-3	Galaxy E	EF,S,R
Sep 23 2003 31"	17mmT4	PB,PL,R,BLNUC,GMBM,MHISB,R=G		
NGC 7433			Galaxy S0/a	EF,VS,P 7436
Sep 23 2003 31"	17mmT4	MF,ML,EL,PATCH,FNUC,SHISB,ON TOP OF 7436,5	GLXY INTRACT,R=F	
NGC 7435			Galaxy SB(s)a	EF,S OF 7436
Sep 23 2003 31"	17mmT4	PF,ML,EL,VFSNUC,ON EDGE OF 7436,VF*	IN EDGE,5 GLXY INTRACT,R=F	
NGC 7436		H243-3	Galaxy E	F,PS,F*ATT P,GBM
Sep 23 2003 31"	17mmT4	VF,PL,R,B*NUC,GMBM,5	GLXY INTRACT,R=G	
NGC 7437			Galaxy SAB(rs)d	EEF,L,R,F*NRNF,
Sep 23 2003 31"	17mmT4	DIF,VF,VL,OVAL,PATCH,NND,R=F		
NGC 7439			Galaxy SB0	LONG PATCH OF F NEBY
Sep 23 2003 31"	17mmT4	MF,PS,OVAL,FSNUC,SHISB,R=F		
NGC 7442			Galaxy SAc:	PF,R,BET2*16,*13NF
Sep 23 2003 31"	17mmT4	PF,VL,OVAL,PATCH,SHISB THROT,R=G		
NGC 7448		H251-2	Galaxy SA(rs)bc	PB,L,E173,VGBM,*F2'
Sep 21 1984 12.5"	12mm	MF,PL,EL,MHISB,BET 2*S,SBM,NO *S		
Jul 07 1981 12.5"	24mm	DIF,MF,ML,F ARM		
Sep 10 1980 12.5"	24mm			
Jul 15 1980 12.5"	24mm	PF,LOC BET 2F*S		
Jul 12 1980 12.5"	24mm			
NGC 7451			Galaxy SBbc	PF,PL,*10,11SP2'
Sep 23 2003 31"	17mmT4	MF,ML,OVAL,UB,NND,SHISB,IRR IN SHAPE,R=G		
NGC 7454		H249-2	Galaxy E4	F,CS,LE,LBM,*11P1'
Aug 20 2003 31"	25mm	VB,VL,BNUC,VHISB,SOFT LNUC,R=E		
Jul 29 2003 31"	25mm	VB,VL,EL,BNUC,VHISB,BSNUC,R=E		
Sep 21 1984 12.5"	16mm	DIF,VF,VS,2F*S ON OUTER EDGES TO NW,PATCH-OVAL,SBM,SN?		
NGC 7457		H212-2	Galaxy SA(rs)0-?	CB,CL,LE,GMBM,R,2S*N
Aug 10 2002 12.5"	12mm	MF,ML,OVAL,PATCHY,GMBM,MHISB,SPR STR SUSP		
Sep 21 1984 12.5"	16mm	MF,MS,*NUC,SLT EL2*S SAME MAG SW CLOSE BY		
Jul 07 1981 12.5"	24mm	DIF,MF,PS,FNUC		
Sep 10 1980 12.5"	24mm			

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NGC 7461		Galaxy SB0	VF,VS,ALMSTELLAR
Aug 20 2003 31"	25mm	PF,MS,EL,FNUC,FSNUC,R=F	
Jul 29 2003 31"	25mm	PB,PL,BNUC,MHISB,LNUC AREA,R=G	
NGC 7463		H210-3 Galaxy SABb: pec	VF,S,LE,P OF 2
Aug 20 2003 31"	25mm	PB,PL,PATCH,UB,NND,SHISB,COMP=7464,PAIRS=7465/7464,R=G	
Jul 29 2003 12.5"	9mmT6	PB,PL,EL,PATCH,UB,PAIR/7464/7465,R=G	
Aug 10 2002 12.5"	9mmT6	DIF,MF,PL,EDGE ON,COMP=7465,SBM	
NGC 7464		Galaxy E1 pec:	VF,VS,E,SF7463
Aug 20 2003 31"	25mm	MB,MS,COMP=7463,PAIRS=7465/7463,R=F	
Jul 29 2003 12.5"	9mmT6	DIF,PF,PS,PATCH,UB,APPEARS ATTACHED TO 7463,PAIR/7465/7463,R=F	
Aug 10 2002 12.5"	9mmT6	VDIF,VF,VS,CLOSE COMP=7463,PATCH,UB	
NGC 7465		H211-3 Galaxy (R')SB(s)0⁺:	VF,VS,FOF 2
Aug 20 2003 31"	25mm	PB,PL,BNUC,MHISB,BLNUC,PAIRS=7464/7463,R=E	
Jul 29 2003 12.5"	9mmT6	MB,ML,R,BNUC,HISB,GMBM,LNUC,PAIR/7484/7463,R=G	
Aug 10 2002 12.5"	9mmT6	PB,ML,BNUC,GMBM,OVAL,COMP=7463	
NGC 7466		Galaxy Sb	EF,ES,BM
Sep 23 2003 31"	17mmT4	MB,ML,PATCH,FSNUC,SHISB,R=G	
NGC 7467		Galaxy E/S0	EF,VS
Aug 20 2003 31"	25mm	PF,MS,OVAL,PATCH,FNUC,R=F	
Jul 29 2003 31"	25mm	MB,ML,R,FNUC,SHIST,BAR LIKE NUC,VF* EDGE OF GLXY,R=G	
NGC 7468		H202-3 Galaxy E3: pec	EF,VS
Jul 29 2003 31"	25mm	PB,PL,BNUC,VHISB,BLNUC,R=G	
NGC 7469		H230-3 Galaxy (R')SAB(rs)a	VF,VS,VSMBM *12
Oct 06 2004 31"	17mmT4	MF,PS,OVAL,BSNUC,F* AND B* IN GLXY,SBM,PAIR=IC5283,R=F	
Sep 21 1984 12.5"	16mm	DIF,VF,VS,R,SLT PATCH,VMBM,VF HALO	
Jul 07 1981 12.5"	24mm	DIF,EF,ES,EXT F HALO	
NGC 7473		Galaxy SB0	VF,S,R
Sep 23 2003 31"	17mmT4	MB,ML,OVAL,PATCH,MHISB,GMBM,R=G	
NGC 7474		Galaxy L	EF,VS
Sep 25 2003 31"	17mmT4	MF,PL,OVAL-R,PATCH,BLNUC,HISB CNTR,SHISB,PAIR=7475,R=G	
NGC 7475		Galaxy Double System	VF,S
Sep 25 2003 31"	17mmT4	PB,PL,OVAL-R,FSNUC,FACE ON,MHISB,HISB CNTR,INTRACT=70382,PAIR=7474,R=E	
NGC 7479		H55-1 Galaxy SB(s)c	PB,CL,ME12,BET2ST
Oct 07 2010 31"	17mmT4	PB,PL,BSNUC,SCORPIN TAIL,BARRED SPR,ONE SIDE,BTR ARM THAN OTHER,ARMS,R=E	
Sep 21 1984 12.5"	16mm	SAME,MB,PL,VF* ON N TIP,FACE ON,SPR STR DET,S ARM BTR THAN N	
Jul 07 1981 12.5"	24mm	DIF,MF,PL,DIM ARMS,F* (15MAG) ON N SIDE	

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NGC 7479		H55-1	Galaxy SB(s)c	PB,CL,ME12,BET2ST
Jul 15 1980	12.5"	24mm	EF,PL	
Jul 11 1980	12.5"	24mm		
NGC 7485			Galaxy S0	VF,S,R,BM,*10P
Sep 25 2003	31"	17mmT4	VB,ML,EL,BLNUC,MHISB CNTR,PAIRS/7486/70463,R=G	
NGC 7486			Galaxy	VF,VS,2'F7485
Sep 25 2003	31"	17mmT4	EDIF,EF,PS,PATCH,UB,NND,PAIRS/7485/70463,R=P	
NGC 7487			Galaxy Compact	VF,S,R
Sep 25 2003	31"	17mmT4	PB,PL,R,BLNUC,F HALO,MHISB,R=G	
NGC 7489			Galaxy Sd	F,S,R
Sep 20 2003	31"	25mm	PB,PL,PATCH,UB,NND,MHISB,F*IN GLXY EDGE,PAIR/IC 5285,R=G	
NGC 7490			Galaxy Sbc	VF,VS,IR,LBM
Sep 25 2003	31"	17mmT4	VB,VL,R,BSNUC,MHISB CNTR,KNTS DET,ARMS,HISB,GMBM,2F*S IN GLXY,R=E	
NGC 7495			Galaxy SAB(s)c	EF,S,LE,*9NF NR
Sep 25 2003	31"	17mmT4	MF,VL,PATCH,UB,NND,SHISB,F* ON EDGE,ANOTHER * FURTHER OUT,R=G	
NGC 7497			H203-3 Galaxy SB(s)d	VF,L,PME45,LBM
Sep 25 2003	31"	17mmT4	PB,EL,EDGE ON,UB,NND,SHISB,F* IN EDGE,CNTR BULGE,R=E	
NGC 7500			Galaxy S0	EF,VS,R
Sep 25 2003	31"	17mmT4	VF,PL,BLNUC,HISB CNTR,GMBM,MHISB,R=G	
NGC 7505			Galaxy	EEF,ES,LE,BET B*\$2F*
Sep 25 2003	31"	17mmT4	MB,ML,OVAL,BSNUC,SBM,R-F	
NGC 7508			Galaxy S	EF,BM*,*11NP2'
Sep 25 2003	31"	17mmT4	MF,MS,EL,SBM,*NUC,R=F	
NGC 7509			Galaxy C	VF,S,R,BET2*
Sep 25 2003	31"	17mmT4	PB,MS,OVAL,BLNUC,GMBM,R=G	
NGC 7511			Galaxy S?	EEF,S,R,SEV*NF,
Sep 25 2003	31"	17mmT4	PB,ML,PATCH,UB,NND,MHISB,F* OFF EDGE,R=G	
NGC 7512			Galaxy E	F,S,R,VS*IN CENTRE
Sep 25 2003	31"	17mmT4	PB,ML,BLNUC,MHISB,PAIR=70692,R=G	
NGC 7514			Galaxy S?	EF,PL,IR
Nov 20 2003	31"	17mmT4	MB,VL,R,TIGHT BSNUC,SPR STR DET,DUST AND PATCHY AREAS DET,MHISB,R=G	
NGC 7515			H220-3 Galaxy S?	F,CS,R,VGLBM,R

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NGC 7515		H220-3	Galaxy S?	F,CS,R,VGLBM,R
Sep 25 2003 31"	17mmT4	VB,VL,OVAL,PATCH,BSNUC,GMBM,MHISB ARMS,MHISB,R=G		
NGC 7516			Galaxy S0	F,VS,STELLAR
Nov 20 2003 31"	17mmT4	MB,ML,R,BLNUC,HISB CNTR,R=F		
NGC 7519			Galaxy Sb:	VF,PL
Oct 06 2004 31"	17mmT4	DIF,PF,VL,OVAL-R,UB,NND,PAIR=MAC,R=F		
NGC 7523			Galaxy	EEF,E
Sep 20 2003 31"	25mm	PF,PL,OVAL,PATCH,UB,F* IN GLXY,PAIR/7525,R=F		
NGC 7525			Galaxy E	EF,VS,VLE,GBM
Sep 20 2003 31"	25mm	MF,ML,EL,PATCH,*NUC,PAIR/7523,R=F		
NGC 7527			Galaxy E	VF,VS,STELLAR
Oct 06 2004 31"	17mmT4	MB,MS,R,BLNUC,SBM,PAIR=PGC70727,R=G		
NGC 7528			Galaxy	F,S
Oct 30 2005 31"	17mmT4	PF,PS,R,VFSNUC,R=F		
NGC 7529			Galaxy S?	VF
Oct 06 2004 31"	17mmT4	DIF,VF,PL,OVAL-R,PATCH,UB,R=F		
NGC 7535			Galaxy Sd	EEF,PS,R,NOF2,VDIFFI
Sep 20 2003 31"	25mm	MF,VL,R,PATCH,UB,NND,F* IN GLXY,PAIR/7536/IC 5292,R=F		
NGC 7536			Galaxy SBbc	EEF,PS,R,AM6*,SOF 2
Sep 20 2003 31"	25mm	VF,VL,UB,MHISB THROT,CIGAR SHAPE,PAIR/7535,R=G		
NGC 7539			Galaxy S0	F,S,R,PSBM
Dec 03 2004 31"	17mmT4	MB,MS,R,BNUC,BMBM,HISB CNTR,F* OFF EDGE,R=G		
NGC 7540			Galaxy	F,VS,STELLAR
Dec 03 2004 31"	17mmT4	MF,MS,EL,FSNUC,EL OR BULGE ON EDGE SUSP,COMP=7551,R=F		
NGC 7542			Galaxy	EF,ES,STELLAR
Jul 29 2005 31"	17mmT4	MB,PS,OVAL,FLNUC,SBM,PAIR=MAC,R=F		
NGC 7543			Galaxy S?	VF,S,R,LBM
Dec 03 2004 31"	17mmT4	PB,ML,OVAL,FLNUC,S BTIGHT CORE,SBM,PAIRS=MAC,R=G		
NGC 7547			Galaxy (R')SAB(s)0/a p	VF,S,IR
Sep 27 2005 31"	17mmT4	PB,PL,EL,BSNUC,MHISB CNTR,E HICKSON CL,R=G		
NGC 7548			Galaxy (R)SAB(r)0^:	VF,VS,*16P11S
Jul 29 2005 31"	17mmT4	PF,MS,EL,FLNUC,R=F		

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NGC 7549		Galaxy SB(s)cd pec	PF,PS,R,*10,11P
Oct 30 2005 31"	17mmT4	DIF,VF,PS,PATCH,UB,NND,OTHERS PRESENT,VERIFY FOV AGAIN,R=P	
Sep 27 2005 31"	17mmT4	VB,VL,OVAL,PATCH,UB,NND,MHISB,E HICKSON CL,R=E	
NGC 7550		H181-3 Galaxy SA0-	CF,S,R
Sep 27 2005 31"	17mmT4	VB,VL,OVAL,BLNUC,GMBM,HISB,E HICKSON CL,R=E	
NGC 7551		Galaxy	NEB*13M
Dec 03 2004 31"	17mmT4	EF,ES,SUSP,COMP=7540,R=P	
NGC 7558		Galaxy E?	EEF,NEB*13M
Sep 27 2005 31"	17mmT4	PF,PS,OVAL,FSNUC,E HICKSON CL,R=F	
NGC 7559		H221-3 Galaxy S0-	F,CS,R,BM*16,NP OF 2
Oct 25 2006 31"	17mmT4	PB,ML,EL,BLNUC,INTRACT=7559A,HISB CNTR,SMWHT MBM,R=G	
Sep 20 2003 31"	25mm	PB,PL,OVAL,BNUC,MHISB,BLNUC,F* OFF EDGE,PAIRS/7563/7559A,R=G	
NGC 7559A		Galaxy S	F,CS,R,BM*16,NP OF 2
Oct 25 2006 31"	17mmT4	EF,VS,PATCH,UB,NND,INTRACT=7559,R=P	
Sep 20 2003 31"	25mm	DIF,VF,VS,PATCH,NND,ATTACHED TO 7559,INTRACT,PAIRS/7559/7563,R=P	
NGC 7563		H222-3 Galaxy SBa	PF,CS,R,SBM*16,SFOF2
Oct 25 2006 31"	17mmT4	PB,ML,EL,BLNUC,MHISB CNTR,GMBM,PAIRS=7559A/B,R=G	
Sep 20 2003 31"	25mm	PB,PL,OVAL,BNUC,LNUC,F* OFF ON EDGE 1 GLXY DIA,MHISB,PAIRS/7559/7559A,R=G	
NGC 7567		Galaxy S?	EEF,VS,E
Sep 20 2003 31"	25mm	MF,MS,EDGE ON,PATCH,UB,SHISB THROT,GRP OF 4,R=F	
NGC 7568		Galaxy S?	EF,PL,IR,SEV ST INV
Sep 20 2003 31"	25mm	PB,PL,PATCH,MHISB,NND,UB,R=G	
NGC 7570		H238-3 Galaxy SBa	EF,ES
Oct 01 2005 31"	17mmT4	MF,MS,OVAL,BLNUC,SHISB CNTR,R=F	
NGC 7572		Galaxy S0/a	EEF,ALM STELLAR
Oct 01 2005 31"	17mmT4	PF,MS,OVAL,FLNUC,BTR CNTR,PAIR=PGC70904,R=F	
NGC 7578A		H182-3 Galaxy S0^ pec	VF,AM VS ST
Sep 27 2005 31"	17mmT4	MB,PS,EL,FLNUC,CLOSE COMP=7578B,R=F	
NGC 7578B		H182-3 Galaxy E1:	
Sep 27 2005 31"	17mmT4	PF,PS,UB,SHISB,F* ON EDGE,CLOSE COMP=7578A/PGC,R=F	
NGC 7579		Galaxy S?	EF,VS,STELLAR
Oct 01 2005 31"	17mmT4	MF,MS,OVAL,FLNUC,PAIR=7584/PGC70978/MAC,R=F	
NGC 7580		Galaxy S?	VF,PS,R,F*SP

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NGC 7580		Galaxy S?	VF,PS,R,F*SP
Oct 01 2005 31"	17mmT4	MB,MS,R,BLNUC,SHISB CNTR,GMBM,PAIR=MAC,R=F	
NGC 7584		Galaxy S0?	EF,VS,STELLAR
Oct 01 2005 31"	17mmT4	MF,MS,OVAL,FLNUC,PAIR=7579/PGC70978/MAC,R=F	
NGC 7586		Galaxy	EF,VS,ALM STELLAR
Oct 04 2005 31"	17mmT4	VF,MS,OVAL,FSNUC,PATCHY NUC,R=P	
NGC 7587		Galaxy SBab: sp	VF,VS,LE,GBM
Oct 04 2005 31"	17mmT4	MB,ML,EDGE ON,BLNUC,INTRACT=PGC70985,MHISB CNTR,R=G	
NGC 7588		Galaxy S	EF,ES
Oct 04 2005 31"	17mmT4	PF,PS,PATCH,UB,NND,AGC2572,R=F	
NGC 7593		Galaxy S?	F,S,R
Oct 04 2005 31"	17mmT4	MB,ML,OVAL,UB,NND,MHISB,F* IN EDGE,R=G	
NGC 7594		Galaxy S?	PF,R,3ST P
Oct 04 2005 31"	17mmT4	PF,PS,EL,FSNUC,PAIRS=IC5305/IC1478/MAC,R=F	
NGC 7595		Galaxy	F,STELLAR
Oct 30 2005 31"	17mmT4	MF,MS,R,FLNUC,SHISB CNTR,R=F	
NGC 7597		Galaxy S?	EF,VS,GBM
Oct 04 2005 31"	17mmT4	PB,ML,R,BLNUC,MHISB CNTR,AGC2572,R=G	
NGC 7598		Galaxy E	EF,ES,STELLAR
Oct 04 2005 31"	17mmT4	MF,VS,R,FSNUC,AGC2572,R=F	
NGC 7601		Galaxy SAB(s)c:	PB,DIF
Oct 04 2005 31"	17mmT4	MB,PL,OVAL,NND,SHISB,R=G	
NGC 7602		Galaxy S?	EF,ES,STELLAR
Oct 04 2005 31"	17mmT4	MB,PS,R,BLNUC,AGC2572,R=G	
NGC 7608		Galaxy S?	VF,PS,LE,LBM
Oct 04 2005 31"	17mmT4	MF,PL,EDGE ON,UB,NND,SHISB,CNTR BULGE,TAPERED ENDS,R=G	
NGC 7609		Galaxy Pec	VF,VS,GBM
Sep 27 2005 31"	17mmT4	PF,PS,OVAL,UB,NND,V CLOSE COMP,PAIR=MAC,PGC'S,SHISB,R=F	
NGC 7610		Galaxy Scd:	F,S,DIF
Sep 12 2007 31"	17mmT4	DIF,MF,VL,OVAL,PATCH,UB,NND,F* OFF EDGE,PAIR=7616,R=F	
Oct 04 2005 31"	17mmT4	MB,ML,OVAL,UB,NND,SHISB,* OFF ONE END,R=G	
NGC 7612		Galaxy S0	PB,VS,R,BM

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NGC 7612		Galaxy S0	PB,VS,R,BM
Oct 04 2005 31"	17mmT4	PB,ML,EL,BLNUC,HISB CNTR,BM,PAIR=PGC71091/MAC'S,R=G	
NGC 7615		Galaxy Sb?	EF,CS
Oct 04 2005 31"	17mmT4	MF,ML,OVAL,UB,NND,SHISB,R=G	
NGC 7616		Galaxy	PF,DIF
Oct 13 2007 31"	17mmT4	EF,VS,PATCH,NND,AV FIRST THEN HOLDS,R=P	
Sep 12 2007 31"	17mmT4	EF,VS,OVAL,PATCH,UB,NND,ONE OF THE FT NGC'S TO DATE,PAIR=7610,R=P	
NGC 7619		H439-2 Galaxy E	CB,PS,R,PSBM
Oct 04 2005 31"	17mmT4	VB,VL,R,BLNUC,HISB,GMBM,PAIR=7619,R=E	
Sep 21 1984 12.5"	12mm	PF,PS,3 COMP DET,FORMS A TRI WITH A B* IN CNTR,R,BM,NO *S	
Sep 24 1981 12.5"	16mm	MF,PS,DNUC,R,GBM	
Oct 31 1980 12.5"	24mm	PAIR/7626	
Sep 07 1980 12.5"	24mm	COMP PRESENT,BOTH HAVE BNUC	
NGC 7620		Galaxy Scd:	F,S,VLE
Oct 30 2005 31"	17mmT4	PB,ML,R,BSNUC,B L CNTR AREA,GMBM,HISB CNTR,R=G	
NGC 7621		Galaxy S	EF,VS,STELLAR
Oct 30 2005 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,R=P	
NGC 7623		H435-3 Galaxy SA0^:	F,VS,R,PSBM
Sep 27 1981 12.5"	16mm	VDIF,MF,PS,NNS,R,DIF HALO,4 COMP GLXY	
NGC 7624		Galaxy Scd:	VF,LEORIR,DIF,VLBM
Oct 30 2005 31"	17mmT4	PB,PL,OVAL,UB,NND,MHISB,PAIRS=MAC'S,R=G	
NGC 7625		H250-2 Galaxy SA(rs)a pec	PB,CS,R,SMBM
Sep 21 1984 12.5"	16mm	MB,PS,MHISB,PATCHY,UB	
Jul 07 1981 12.5"	16mm	DIF,PF,ES,F HALO,3*S 11 MAG SUR GLXY	
Sep 10 1980 12.5"	24mm	F,W OF B* IN FOV	
NGC 7626		H440-2 Galaxy E pec:	CB,PS,R,PSBM
Sep 21 1984 12.5"	12mm	PF,PS,F* CLOSE BY,R-OVAL,SBM,PAIR/7619	
Sep 24 1981 12.5"	16mm	MF,PS,DNUC,COMP SUSP SE BY B*,SAME VIS APPAREANCE AS 7619,PAIR/7319	
Oct 31 1980 12.5"	24mm	PAIR/7619	
NGC 7628		Galaxy E	VF,S,R,BM
Oct 30 2005 31"	17mmT4	PB,PL,R,BLNUC,GMBM,HISB,PAIR=MAC,R=G	
NGC 7630		Galaxy S?	F,S
Oct 30 2005 31"	17mmT4	PB,ML,EL,FLNUC,VF* OUTER EDGE,BAR LIKE NUC SUSP,R=G	
NGC 7631		Galaxy SA(r)b:	VF,VS
Oct 30 2005 31"	17mmT4	PB,PL,EL,BLNUC,HISB CNTR,TAPERED ENDS,PAIR=MAC,R=G	

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NGC 7634		H441-2	Galaxy SB0	F,S,F**ATT
Oct 20 2006	31"	17mmT4	MF,MS,EL,BLNUC,MHISB,F* OFF EDGE,R=F	
NGC 7638			Galaxy S	2NEB,F,S
Oct 20 2006	31"	17mmT4	MB,MS,OVAL,UB,NND,PAIRS=IC1484/7639/KUG/IRAS,R=F	
NGC 7639			Galaxy E/S0	2NEB,F,S
Oct 20 2006	31"	17mmT4	MB,ML,BLNUC,GMBM,PAIRS=IC1484,7638/KUG/IRAS,R=F	
NGC 7641			Galaxy	VF,S,IR,DIF,LBM
Oct 20 2006	31"	17mmT4	MF,MS,EL,UB,NND,PAIR=PGC71260,R=F	
NGC 7643			Galaxy S?	F,PS,IR,DIF,LBM
Oct 20 2006	31"	17mmT4	PB,ML,OVAL,PATCH,UB,NND,PAIR=MAC,R=G	
NGC 7644			Galaxy	VF,PS,LE
Oct 25 2006	31"	17mmT4	PF,ML,EDGE ON,PATCH,UB,NND,PAIRS=NGC'S/MAC'S,R=F	
NGC 7647		H473-3	Galaxy E	EF,(CL),P A ROW OF ST
Oct 25 2006	31"	17mmT4	PB,ML,OVAL,FLNUC,MHISB CNTR,ABELL CL 2589,R=G	
NGC 7648		H218-3	Galaxy S0	VF,PS,LE,BM
Oct 25 2006	31"	17mmT4	PB,ML,OVAL,BLNUC,F*S BOTH ENDS,MHISB CNTR,BAR SUSP,PAIR=MAC,R=G	
NGC 7649			Galaxy E	VF,PL,R
Oct 25 2006	31"	17mmT4	PB,PL,OVAL,PATCH,FLNUC,AGC2593,R=G	
NGC 7651			Galaxy cD	EF,S,R
Oct 25 2006	31"	17mmT4	PB,PL,OVAL,BLNUC,MHISB,CLOSE COMP=MAC,PAIRS=MAC'S,GMBM,R=G	
NGC 7653			Galaxy Sb	VF,PS,R,GBM
Oct 25 2006	31"	17mmT4	PB,PL,R,BSNUC,GMBM,HISB CNTR,PAIRS=MAC'S/PGC71386,R=G	
NGC 7659		H212-3	Galaxy S0/a	VF,VS,R,PSBM
Nov 24 2006	12.5"	12mmT4	MF,MS,EL,BLNUC,SBM,R=F	
NGC 7660			Galaxy E	F,VS,PSMBM,*10P
Sep 30 2005	31"	17mmT4	VB,PL,OVAL,BLNUC,HISB CNTR,BM,PAIR=MAC,R=G	
NGC 7664			Galaxy Sc:	VF,*S,2ST11,12P
Nov 24 2006	12.5"	12mmT4	MB,ML,OVAL,BLNUC,MHISB CNTR,R=G	
NGC 7671		H226-3	Galaxy SA0:	PB,S,R,VSMBM,*9P
Nov 24 2006	12.5"	12mmT4	MB,ML,OVAL,BLNUC,MHISB CNTR,PAIR=7672,R=G	
NGC 7672			Galaxy Sb	VF,S,5'S OF 7671
Nov 24 2006	12.5"	12mmT4	PF,MS,OVAL,PATCH,UB,PAIR=7671,NND,R=F	

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NGC 7673		Galaxy (R')SAc? pec	F,S,R
Nov 24 2006 12.5"	12mmT4	PB,MS,OVAL,HISB,R=G	
NGC 7674		Galaxy SA(r)bc pec	F,CS,GBM,P OF 2
Sep 27 2005 31"	17mmT4	MB,ML,R,BSNUC,V CLOSE COMP,MHISB CNTR,SUDLY MBM,R=G	
NGC 7675		Galaxy SAB(s)0-:	VF,S,R,GBM,F OF 2
Sep 27 2005 31"	17mmT4	MB,MS,OVAL,BLNUC,SHISB CNTR,PAIR=PGC'S/7674,R=G	
NGC 7677		Galaxy SAB(r)bc:	EF,VS,STELL
Nov 24 2006 12.5"	12mmT4	PF,PS,OVAL,PATCH,UB,NND,R=F	
NGC 7678		H226-2 Galaxy SAB(rs)c	VF,PL,VLE,LBM,AM4ST
Sep 21 1984 12.5"	16mm	SAME,DIF,PF,MS,UB,NND	
Jul 29 1981 12.5"	12mm	DIF,MF,PS,F HALO,3*S ~11TH MAG	
Sep 10 1980 12.5"	24mm	3B*S IN GLXY	
NGC 7680		H860-3 Galaxy S0-:	VF,S,R,LBM,R
Sep 05 2007 31"	17mmT4	MB,ML,R,BLNUC,MHISB CNTR,GMBM,R=G	
NGC 7681		H242-2 Galaxy S0^: sp	VF,S,IR,R,**F
Sep 05 2007 31"	17mmT4	PB,ML,R,BLNUC,HISB CNTR,GMBM,R=G	
NGC 7683		Galaxy S0	F,*13N
Sep 05 2007 31"	17mmT4	PB,ML,OVAL,BLNUC,MHISB CNTR,R=G	
NGC 7688		Galaxy S0	F,VS,DIF,*11S80"
Sep 05 2007 31"	17mmT4	MB,MS,OVAL-R,BSNUC,PAIR=PGC71641,R=F	
NGC 7691		H213-3 Galaxy SAB(rs)bc	EF,PL,TRI W/2*10
Sep 05 2007 31"	17mmT4	DIF,VF,PL,OVAL,PATCH,UB,NND, 3 *S IN TRIANGLE SUR GLXY,R=F	
NGC 7698		Galaxy S0	VF,ES,R,BMSN
Sep 05 2007 31"	17mmT4	MF,PS,R,BLNUC,R=F	
NGC 7703		Galaxy S0	VF,VS,GBM,*14NF1'
Sep 05 2007 31"	17mmT4	MB,MS,EL,BLNUC,MHISB CNTR,R=F	
NGC 7711		H244-2 Galaxy S0	F,S,R,PSBM,STELLAR
Dec 03 2004 31"	17mmT4	VB,VL,EL,BLNUC,HISB CNTR,R=G	
NGC 7712		Galaxy E?	VF
Dec 03 2004 31"	17mmT4	PF,VL,PATCH,NND,SHISB,PATCHY,RESEMBLES A PLANETARY,R=G	
NGC 7718		Galaxy S?	VF,S,R
Sep 05 2007 31"	17mmT4	PF,MS,OVAL,UB,NND,PAIR=PGC71946,R=F	

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NGC 7720		H146-3	Galaxy E+ pec:	F,S,LE,BM,AM ST
Sep 25 2003 31"	17mmT4	PB,ML,EL,BLNUC,SHISB,2 MAC COMP,ABELL 2634,R=G		
NGC 7722			Galaxy S0/a	PB,PL,R,MBM
Sep 25 2003 31"	17mmT4	VF,VL,OVAL,BLNUC,DUST SUSP,KNTS DET,FARMS,MHISB CNTR,R=E		
NGC 7726			Galaxy SB(s)b	EEF,PS,R,VDIFFIC
Sep 25 2003 31"	17mmT4	MF,ML,EL,PATCH,UB,NND,7720 CL,R=G		
NGC 7728			Galaxy E	VF,VS,LE,*10SP
Dec 03 2004 31"	17mmT4	PB,MS,OVAL,BSNUC,GBM,PAIR=MAC,R=G		
NGC 7729			Galaxy Sa	VF,S,IE,F*INV S
Dec 03 2004 31"	17mmT4	MB,PL,EL TO EDGE ON,BLNUC,L CNTR BULGE,FARMS,R=F		
NGC 7735			Galaxy E	VF,S,VLE,*13NF VNR
Dec 03 2004 31"	17mmT4	MB,MS,BSNUC,MHISB CNTR,*S BOTH SIDES,R=G		
NGC 7737			Galaxy S0/a	VF,S,MBMN
Sep 05 2007 31"	17mmT4	MF,PS,OVAL,FSNUC,PAIRS=PGC/MAC'S,R=F		
Dec 03 2004 31"	17mmT4	MB,PL,OVAL,BSNUC,R=G		
NGC 7740			Galaxy E	VF,S,LBM,STELLAR
Sep 05 2007 31"	17mmT4	PF,MS,VFSNUC,BET 2F*S,PAIRS=MAC,PGC72216,R=F		
NGC 7741		H208-2	Galaxy SB(s)cd	CF,CL,IR,D*10,12NP2'
Sep 21 1984 12.5"	16mm	SAME		
Jul 07 1981 12.5"	24mm	DIF,VF,ML,F HALO,LOC BY B DBL *		
Sep 10 1980 12.5"	24mm	B* IN EDGE OF GLXY		
NGC 7742		H255-2	Galaxy SA(r)b	CB,CS,GMBM,*12F72"
Sep 21 1984 12.5"	16mm	DIF,PF,MS,F* TO W SIDE,R,PATCHY,SBM		
Jul 07 1981 12.5"	24mm	DIF,VF,MS,F HALO		
Sep 10 1980 12.5"	24mm			
NGC 7743		H256-2	Galaxy (R)SB(s)0+	PF,S,R,*14SF
Sep 21 1984 12.5"	16mm	DIF,PF,PS,F* IN S ARM,R,SBM,SNUC		
Jul 07 1981 12.5"	24mm	DIF,VF,MS,F HALO, A F* IS BY THE GLXY		
Sep 10 1980 12.5"	24mm			
NGC 7745			Galaxy E	EF
Sep 05 2007 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,R=P		
NGC 7747			Galaxy (R')SB(s)b	VF,VS,IR
Sep 05 2007 31"	17mmT4	MB,ML,EL,BLNUC,PAIR=PGC72341,R=F		
NGC 7752			Galaxy I0:	F,S,LE,P 7753

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NGC 7752		Galaxy I0:	F,S,LE,P 7753
Sep 05 2007 31"	17mmT4	MB,PL,BLNUC,2*S IN GLXY,MBM,CNTR RGN PATCHY,PAIR=7753,R=F	
NGC 7753		H213-2	Galaxy SAB(rs)bc
Sep 05 2007 31"	17mmT4	MF,ML,NND,MHISB,PAIR=7752,R=F	CF,CL,VLE,VGLBM,R
NGC 7760		H854-3	Galaxy E?
Sep 05 2007 31"	17mmT4	PB,PS,R,UB,NND,SHISB,B* IN EDGE OF GLXY,R=F	CB,VS,R,PSBM,*12ATT
NGC 7765		Galaxy SB?	VVF,100"NP 7768
Sep 30 2005 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,PAIRS=NGC'S/MAC'S,R=P	
NGC 7766		Galaxy S?	VF,S,85"S OF 7768
Sep 30 2005 31"	17mmT4	PF,MS,OVAL,FSNUC,SMWHT BM,PAIRS=NGC'S/MAC'S,R=F	
NGC 7767		Galaxy S0/a	VF,S,LE,*P19"
Sep 30 2005 31"	17mmT4	MB,ML,EL,BSNUC,GRADUALLY,BM,PAIRS=NGC'S/MAC'S,R=G	
NGC 7768		Galaxy E	VF,S,E,*INV,*P VNR
Sep 30 2005 31"	17mmT4	MB,ML,OVAL,FSNUC,VF* ON EDGE,PAIRS=NGC'S/MAC'S,R=G	
NGC 7769		H230-2	Galaxy (R)SA(rs)b
Sep 21 1984 12.5"	16mm	DIF,MF,MS,SBM,F* SW 1 GLXY DIA,MHISB,PAIR/7771/7770	PF,PS,R,MBM
Sep 10 1980 12.5"	32mm	NICE PAIR OF GLXY	
NGC 7770		Galaxy S0/a?	VF,VS,IR,S OF 2
Sep 21 1984 12.5"	16mm	VDIF,VF,VS,CLOSE COMP 7771,R,PATCH	
NGC 7771		H231-2	Galaxy SB(s)a
Sep 21 1984 12.5"	16mm	DIF,MF,MS,EL,SBM,NO *S,PAIR/7769/7770	PB,PL,E84,BM,N OF 2
NGC 7772		Open Cluster III 1 p	CL OF SC ST 10M
Sep 30 2005 31"	17mmT4	PB,PL,~10*S VAR MAG,SOME CL DET,LOOSELY SC,R=F	
NGC 7773		H851-2	Galaxy SBbc
Nov 20 2003 31"	17mmT4	MF,ML,R,FSNUC,SHISB,B* OFF EDGE,FARMS,R=G	PF,CS,R,*13NF NR
NGC 7774		Galaxy E	EF,S,R,INCENTRE OF3*
Nov 20 2003 31"	17mmT4	MB,PL,EL,UB,FSNUC,KNT SUSP,R=G	
NGC 7775		Galaxy Scd:	VF,PS,LE,GLBM
Sep 30 2005 31"	17mmT4	MB,PL,OVAL,PATCH,VF LNUC,PATCHY CNTR RGN,PAIR=MAC,R=G	
NGC 7777		Galaxy S0	VF,VS,R,BM
Sep 30 2005 31"	17mmT4	PB,ML,OVAL,BLNUC,MHISB CNTR,PAIRS=MAC'S,R=G	
NGC 7784		Galaxy C	VF,ES,LBM,(R),P OF 2

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NGC 7784		Galaxy C	VF,ES,LBM,(R),P OF 2
Sep 30 2005 31"	17mmT4	MB,VS,R,BLNUC,BSNUC,R=F	
NGC 7786		Galaxy S?	PF,PS,LE,VFSTINV,F-2
Oct 01 2005 31"	17mmT4	PB,MS,OVAL,UB,NND,MHISB,R=G	
NGC 7792		Galaxy Sb	EF,ES,BM
Oct 01 2005 31"	17mmT4	PB,ML,R,*NUC,VS*NUC,MHISB CNTR,PAIR=PGC'S,R=G	
NGC 7794		H466-3 Galaxy S?	VF,PS,IR
Oct 01 2005 31"	17mmT4	PB,ML,OVAL,VFSNUC,MHISB,R=G	
NGC 7798		H232-2 Galaxy S	PF,S,R,SBM,*10SP
Oct 01 2005 31"	17mmT4	VB,PL,R,HISB,SPR STR DET,BVS*NUC,SN?,R=E	
NGC 7799		Galaxy Scd	VF,VS,*16CLOSE P
Sep 05 2007 31"	17mmT4	EF,PS,PATCH,AV,WORST NGC OBSERVED TO DATE,AV FIRST THEN HOLDS,R=P	
NGC 7800		H10-2 Galaxy Im?	F,PS,E39
Oct 01 2005 31"	17mmT4	VB,VL,EL,BNUC,EL HISB NUC,VF*S OFF ONE EDGE,R=G	
NGC 7803		Galaxy S0/a	PF,PS,R,F*NP VNR
Sep 04 2005 31"	17mmT4	PB,MS,R,BLNUC,HISB CNTR,PAIRS=PGC'S/MAC,R=G	
Oct 06 2004 31"	17mmT4	MB,PS,EL-EDGEON,BLNUC,SHISB,PAIRS=PGC108,134,89,R=G	
NGC 7805		H855-3 Galaxy SAB0^: pec	EF,S,R,SBM,SP OF 2
Oct 06 2004 31"	17mmT4	PB,MS,R,BSNUC,SHISB,HISB CNTR,GMBM,PAIRS=7806,PGC111,MAC,R=G	
NGC 7806		H856-3 Galaxy SA(rs)bc? pec	EF,S,R,NF OF 2,STELL
Oct 06 2004 31"	17mmT4	PB,MS,R,BSNUC,SHISB,HISB CNTR,GMBM,PAIRS=7805,PGC111,MAC,R=G	
NGC 7810		H984-3 Galaxy S0	PF,STELL,2*NP INLINE
Oct 06 2004 31"	17mmT4	MF,PS,R,BSNUC,F* ON OFF EDGE,PAIR=MAC,R=F	
NGC 7814		H240-2 Galaxy SA(s)ab: sp	CB,CL,E,VGBM
Sep 21 1984 12.5"	16mm	MB,PL,EL,SOFT LNUC,HISB,NO *S	
Jul 07 1981 12.5"	24mm	DIF,MF,ML,VF HALO	
Sep 10 1980 12.5"	24mm		
NGC 7817		H227-2 Galaxy SAbc: sp	PF,CL,ME45,LBM
Sep 25 2003 31"	17mmT4	EF,EL,EDGE ON,UB,NND,HISB,F* IN GLXY BY NUC,KNTS SUSP,R=E	
NGC 7819		Galaxy SB(s)b	EF,L
Sep 25 2003 31"	17mmT4	PB,VL,R,FSNUC,FARMS,FACE ON,SHISB,R=G	
PAL 13		Globular	
Jul 01 2019 36"	17mmT4	(Class XII),VDIF,EF,VS,PATCH,UB,NND,AV HOLDS, LOC GOOD,R=P	

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PEASE 1		Planetary Neb 1
Jul 05 2008 31"	17mmT4	MF,ES,R,W/OIII,HELPS NEB LTL BY KNOCKING OUT *S,ALM DEAD CNTER,NO CNTR*,R=P
Sep 23 2003 31"	9mmT6	VF,ES,NEB FILTER,R,STANDS OUT,V CLOSE TO CNTR OF CL,R=F
Sep 20 2003 31"	25mm	EDIF,EF,VS,PLANTARY IN M15,BLUIISH GREY BALL OFF CNTR OF CL,R=G
PGC 4		Galaxy S
Oct 20 2006 31"	17mmT4	EF,VS,PATCH,NND,B* CLOSE BY,R=P
PGC 25		Galaxy Double System
Oct 20 2006 31"	17mmT4	PF,PS,EL,FSNUC,VF* IN GLXY,R=F
PGC 49		Galaxy
Oct 20 2006 31"	17mmT4	DIF,EF,VS,NND,AV FIRST THEN HOLDS,R=P
PGC 54		Galaxy Sab
Sep 05 2007 31"	17mmT4	MF,MS,EL,NND,B* ON EDGE,SHISB,PAIRS=PGC'S/MAC,R=F
PGC 57		Galaxy
Aug 17 2012 36"	17mmT4	EF,VS,PATCH,UB,AV COMES AND GOES,VF* CLOSE BY,R=P
PGC 58		Galaxy S?
Sep 05 2007 31"	17mmT4	PF,PS,OVAL,NND,PAIRS=PGC'S/MAC,R=P
PGC 60		Galaxy S
Aug 17 2012 36"	17mmT4	EF,VS,OVAL,PATCH,UB,DIRECT,R=P
PGC 63		Galaxy S0?
Sep 05 2007 31"	17mmT4	MF,MS,OVAL,FLNUC,PAIRS=PGC'S/MAC,R=F
PGC 89		Galaxy S?
Sep 04 2005 31"	17mmT4	VF,VS,EL,PATCH,UB,NND,PAIRS=PGC'S/MAC/7803,R=P
Oct 06 2004 31"	17mmT4	EF,VS,PATCH,AV,PAIRS=NGC7803,PGC108,134,R=P
PGC 92		Galaxy S
Sep 04 2005 31"	17mmT4	EF,ES,SUSP,PAIRS=PGC'S/MAC/7803,R=P
PGC 108		Galaxy S?
Sep 04 2005 31"	17mmT4	PF,MS,PATCH,UB,NND,PAIRS=PGC'S/MAC,R=F
Oct 06 2004 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,PAIRS=NGC7803,PGC134,89,R=F
PGC 111		Galaxy S
Oct 06 2004 31"	17mmT4	EF,VS,PATCH,AV FIRST THEN HOLDS,PAIRS=7805,7806,MAC,R=P
PGC 134		Galaxy
Oct 06 2004 31"	17mmT4	PF,VS,OVAL,PATCH,FSNUC,PAIRS=NGC7803,PGC108,89,R=F
PGC 177		Galaxy S

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PGC 177		Galaxy S
Oct 06 2004 31"	17mmT4	MF,MS,FSNUC,PAIRS=PGC178,IC5379,R=F
PGC 178		Galaxy SB
Oct 06 2004 31"	17mmT4	EDIF,EF,MS,PAIRS=PGC177,IC5379,SUSP,LOC GOOD,R=P
PGC 251		Galaxy S
Sep 25 2003 31"	17mmT4	VDIF,EF,PS,PATCH,UB,NND,R=P
PGC 687		Galaxy E?
Aug 30 2003 31"	25mm	PB,MS,BLNUC,F* OFF TO ONE SIDE,S HALO SUR NUC, SN?, R=F
PGC 688		Galaxy C
Aug 30 2003 31"	25mm	VF,VS,*NUC,ALM * WITH F HALO,R=P
PGC 689		Galaxy S
Aug 30 2003 31"	25mm	VDIF,EF,ES,PATCH,AV HOLDS,R=P
PGC 707		Galaxy Sb
Aug 30 2003 31"	25mm	PB,VL,R,NND,SHISB,PATCHY AREAS DET,PAIR/PGC709,R=G
PGC 709		Galaxy S
Aug 30 2003 31"	25mm	DIF,PF,MS,EL,UB,NND,PAIR/PGC707,R=F
PGC 889		Galaxy Im
Nov 17 2012 36"	17mmT4	EF,VS,EDGE ON,PATCH,NND,F* JUST OFF EDGE,PA~100,R=P
PGC 66827		Galaxy C
Sep 17 2003 31"	25mm	VF,VS,PATCH,R=P
Aug 30 2003 31"	25mm	DIF,PF,MS,PATCH,UB,R=F
PGC 66834		Galaxy SB
Aug 30 2003 31"	25mm	MF,MS,PATCH,UB,NND,SHISB,COMP=PGC66835,R=F
PGC 66835		Galaxy
Aug 30 2003 31"	25mm	PF,PS,PATCH,UB,NND,COMP=PGC66834,FTR OF THE TWO,R=P
PGC 67076		Galaxy SB(s)m
Jun 27 2003 12.5"	9mmT6	VDIF,VF,ML,PATCH,UB,NND,F* IN OR NEAR GLXY,R=P
PGC 67083		Galaxy
Jun 27 2003 12.5"	9mmT6	EDIF,EF,VS,PATCH,AV COMES AND GOES,R=P
PGC 67621		Galaxy Sb-c
Oct 06 2004 31"	17mmT4	VDIF,EF,ML,PATCH,UB,PAIRS=MACS,IC5144,R=P
PGC 67741		Galaxy C

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PGC 67741		Galaxy C
Oct 06 2004 31"	17mmT4	DIF,VF,MS,OVAL,PATCH,UB,NND,R=P
PGC 67762		Galaxy
Oct 06 2004 31"	17mmT4	DIF,VF,PL,EL,PATCH,UB,NND,R=F
PGC 67998		Galaxy
Oct 06 2004 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,R=F
PGC 68420		Galaxy Scd:
Aug 03 2013 36"	17mmT4	VF,MS,UB,NND,PA~35,2VF*S ONE TIP,R=P
PGC 68543		Galaxy SA(s)c
Oct 25 2006 31"	17mmT4	DIF,PF,MS,OVAL-R,UB,NND,R=F
PGC 68617		Galaxy Sbc
Oct 30 2005 31"	17mmT4	VF,PL,EDGE ON,UB,NND,VF* IN TIP,SLIVER,NO CNTR BULGE,R=F
PGC 68664		Galaxy SBc
Oct 06 2004 31"	17mmT4	DIF,EF,MS,EL,PATCH,UB,NND,PAIRS=IC1444,MAC,R=P
PGC 69245		Galaxy
Sep 14 2012 36"	17mmT4	EF,PS,PATCH,TOOK AV SVRL MINUTES TO DET,COMES AND GOES,PAIR=7315,R=P
PGC 69281		Galaxy Sb
Sep 17 2003 31"	25mm	PF,MS,PATCH,UB,NND,7331 CL,R=F
PGC 69282		Galaxy
Sep 17 2003 31"	25mm	DIF,VF,PS,PATCH,UB,NND,INSIDE KITE SHAPE *S,PAIR=7321,R=P
PGC 69345		Galaxy C
Sep 17 2003 31"	25mm	VF,ES,R,NND,CLOSE TO VF*,R=P
PGC 69378		Galaxy S0/a
Sep 17 2003 31"	25mm	MF,MS,EDGE ON,FNUC,69385 CL 2 OF 5,R=F
PGC 69384		Galaxy S
Sep 17 2003 31"	25mm	VF,VS,R,VFNUC,69385 CL 4 OF 5,R=P
PGC 69385		Galaxy E
Sep 17 2003 31"	25mm	MF,ML,OVAL-R,FNUC,CL 1 OF 5,E GRP OF GLXY,R=F
PGC 69386		Galaxy S
Sep 17 2003 31"	25mm	PF,PS,PATCH,NND,69385 CL 3 OF 5,R=F
PGC 69387		Galaxy E
Sep 17 2003 31"	25mm	MB,MS,R,BNUC,PAIR=69402,R=G

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PGC 69389		Galaxy L
Sep 17 2003 31"	25mm	VF,VS,OVAL,PATCH,UB,NND,69385 CL 5 OF 5,R=P
PGC 69402		Galaxy SB?b
Sep 17 2003 31"	25mm	MF,MS,PATCH,UB,NND,PAIR=69387,R=F
PGC 69406		Galaxy S0
Sep 17 2003 31"	25mm	PF,PS,R,PATCH,FNUC,SBM,PAIR/7345/7342,R=F
PGC 69457		Galaxy Sab
Nov 17 2012 36"	12mmT4	PF,VS,OVAL,*NUC WITH F HALO SUR NUC,EINSTEIN CROSS,R=PF
Oct 07 2010 31"	17mmT4	PF,VS,OVAL,BNUC,WITH IMAGE INT,BM WITH VF HALO SURHALO IS EINSTEIN CROSS,R=F
Sep 12 2007 31"	12mmT4	MB,ML,R,BLNUC,B HALO,CROSS SHAPE BARELY DET,R=F
Sep 12 2007 31"	9mmT6	MB,ML,R,BLNUC,OUTER HALO LOOKS BUMPY,4 VF ALM * COMP SUSP W/AV,R=F
Sep 11 2007 31"	17mmT4	MF,MS,R,BSNUC,BM,F HALO SUR NUC,EINSTEIN'S CROSS,PAIR=QUASAR,R=F
PGC 69458		Galaxy
Sep 12 2007 31"	17mmT4	VF,MS,EL,BSNUC,BFIELD *S IN FOV,PAIR=MAC,R=F
PGC 69528		Galaxy
Sep 20 2003 31"	25mm	VDIF,EF,PS,PATCH,UB,AV HOLDS,R=P
PGC 69552		Galaxy
Sep 20 2003 31"	25mm	VF,PS,PATCH,UB,NND,R=P
PGC 69553		Galaxy SB
Sep 20 2003 31"	25mm	MF,VS,R,BNUC,LNUC AREA,V LTL GLOW SUR NUC DET,R=F
PGC 69559		Galaxy Sb
Sep 20 2003 31"	25mm	PF,PS,PATCH,UB,NND,VF* OFF ONE SIDE,R=F
PGC 69582		Galaxy
Sep 20 2003 31"	25mm	PF,MS,PATCH,UB,NND,PAIR/7362,R=F
PGC 69616		Galaxy S?
Sep 20 2003 31"	25mm	DIF,VF,MS,PATCH,NND,PAIRS/69618/69617,R=P
PGC 69617		Galaxy E
Sep 20 2003 31"	25mm	PF,MS,OVAL,FNUC,HISB IN CNTR,LNUC AREA,PAIRS/69616/69618,R=F
PGC 69618		Galaxy S0
Sep 20 2003 31"	25mm	PF,MS,OVAL,FNUC,HISB IN CNTR,LNUC AREA,PAIRS/69616/69617,R=F
PGC 69622		Galaxy S
Sep 20 2003 31"	25mm	PF,MS,PATCH,FNUC,SNUC,SBM,R=F
PGC 69647		Galaxy S0

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PGC 69647		Galaxy S0
Sep 20 2003 31"	25mm	PB,ML,R,BNUC,HISB CNTR,PAIRS/69656/69648,R=G
PGC 69648		Galaxy C
Sep 20 2003 31"	25mm	VDIF,VF,VS,PATCH,UB,NND,CLOSE TO F*,PAIRS/69656/69647,R=P
PGC 69656		Galaxy
Sep 20 2003 31"	25mm	PF,MS,PATCH,UB,NND,NICE DBL * IN FOV,PAIRS/69647/69648,R=F
PGC 69675		Galaxy
Sep 20 2003 31"	25mm	PF,PS,OVAL,*NUC,PAIR/7374,R=F
PGC 69682		Galaxy L
Sep 20 2003 31"	25mm	PF,PS,PATCH,UB,NND,R=F
PGC 69699		Galaxy Sc
Sep 20 2003 31"	25mm	DIF,PF,PS,OVAL,PATCH,UB,VF* IN GLXY,R=F
PGC 69719		Galaxy S
Sep 20 2003 31"	25mm	EDIF,EF,VS,PATCH,SUSP,LOC GOOD,R=P
PGC 69778		Galaxy S R
Sep 20 2003 31"	25mm	EDIF,EF,ES,PATCH,SUSP,LOC GOOD,R=P
PGC 69788		Galaxy S
Sep 20 2003 31"	25mm	DIF,VF,VS,PATCH,UB,NND,EDGE OF 7385 CL OF 9,PAIR/7383,R=P
PGC 69803		Galaxy Sa
Sep 20 2003 31"	25mm	PF,MS,PATCH,FNUC,SBM,R=F
PGC 69808		Galaxy
Sep 20 2003 31"	25mm	DIF,PF,MS,PATCH,UB,F* IN EDGE OF GLXY,PAIR/69822,R=P
PGC 69822		Galaxy S?
Sep 20 2003 31"	25mm	MF,MS,R,FNUC,SNUC,SHISB CNTR,PAIR/69808,R=F
PGC 69835		Galaxy
Sep 20 2003 31"	25mm	VDIF,EF,ES,AV,EXTENSION TO 7387,7385 CL OF 9,R=F
PGC 69848		Galaxy SB
Sep 20 2003 31"	25mm	VDIF,EF,PS,PATCH,AV,IN GLOW OF F* IN FOV,R=P
PGC 69853		Galaxy S
Sep 20 2003 31"	25mm	EDIF,EF,ES,PATCH,SUSP,LOC GOOD,PAIR/69854,R=P
PGC 69854		Galaxy S?
Sep 20 2003 31"	25mm	DIF,VF,VS,PATCH,UB,NND,PAIR/69853,R=P

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PGC 69857		Galaxy Spiral
Sep 20 2003 31"	25mm	DIF,VF,PS,PATCH,UB,NND,R=P
PGC 69929		Galaxy SBcd:
Sep 23 2003 31"	17mmT4	DIF,PF,VS,PATCH,UB,NND,PAIR=PGC69930,R=P
PGC 69930		Galaxy SBc
Sep 23 2003 31"	17mmT4	MF,PS,OVAL,BNUC,LNUC,MHISB,PAIR=PGC69929,R=G
PGC 69942		Galaxy
Sep 23 2003 31"	17mmT4	MF,PS,PATCH,UB,NND,SHISB,R=F
PGC 69951		Galaxy S0
Sep 23 2003 31"	17mmT4	PB,PL,R,BLNUC,HISB CNTR,12 MEMBER CL GRP,R=G
PGC 69955		Galaxy
Sep 23 2003 31"	17mmT4	DIF,MF,ML,PATCH,UB,NND,PAIRS/7409/7411,R=P
PGC 69957		Galaxy S0
Sep 23 2003 31"	17mmT4	VDIF,VF,VS,PATCH,UB,69951 CL GRP,R=P
PGC 69963		Galaxy SAB0^
Sep 23 2003 31"	17mmT4	VF,ML,R,BLNUC,GMB,MHISB,69951 CL GRP,R=G
PGC 69968		Galaxy E:
Sep 23 2003 31"	17mmT4	DIF,PF,MS,OVAL,PATCH,UB,NND,COMP DET BUT NOT ID,69951 CL GRP,R=F
PGC 69970		Galaxy E:
Sep 23 2003 31"	17mmT4	PB,PL,R,BNUC,MHISB,F* OFF EDGE,69951 CL GRP,R=G
PGC 69972		Galaxy C
Sep 23 2003 31"	17mmT4	DIF,VF,PS,PATCH,UB,NND,CLOSE TO F*,69951 CL GRP,R=P
PGC 69977		Galaxy Elliptical
Sep 23 2003 31"	17mmT4	VDIF,EF,PS,PATCH,UB,CLOSE COMP=CGCG49615,69951 CL GRP,R=P
PGC 69981		Galaxy Sbc
Sep 23 2003 31"	17mmT4	FID,MF,ML,EL,PATCH,UB,NND,69951 CL GRP,R=F
PGC 69984		Galaxy S
Sep 23 2003 31"	17mmT4	DIF,MP,MS,EL,PATCH,UB,NND,INTRACT WITH 7415,R=F
PGC 69992		Galaxy
Sep 23 2003 31"	17mmT4	DIF,PF,MS,PATCH,UB,NND,3F*S IN AND SUR GLXY,69951 CL GRP,R=P
PGC 70002		Galaxy E_p_/shells
Sep 23 2003 31"	17mmT4	MB,ML,R,BSNUC,SHISB,69951 CL GRP,R=F

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PGC 70100			Galaxy
Sep 23 2003 31"	17mmT4	DIF,PF,PS,PATCH,UB,NND,R=P	
PGC 70122			Galaxy
Sep 23 2003 31"	17mmT4	VDIF,VF,VS,PATCH,UB,AV HOLDS,5 GLXY INTRACT,ANOTHER COMP NOT ID,R=P	
PGC 70140			Galaxy S
Sep 23 2003 31"	17mmT4	MB,ML,EL,FNUC,MHISB,F* IN EDGE,B* OFF TIP,R=G	
PGC 70174			Galaxy S
Sep 23 2003 31"	17mmT4	PF,MS,OVAL,FNUC,SBM,R=F	
PGC 70175			Galaxy Sdm:
Aug 03 2013 36"	17mmT4	VF,ML,EDGE ON,UB,NND,PA~30,VF* ON EDGE,SLT CNTR BULGE,R=F	
PGC 70180			Galaxy
Sep 23 2003 31"	17mmT4	DIF,PF,MS,PATCH,UB,R=P	
PGC 70211			Galaxy SB
Sep 23 2003 31"	17mmT4	EDIF,VF,VS,PATCH,NND,CLOSE TO *,WASHED OUT,R=P	
PGC 70231			Galaxy C
Jul 29 2003 31"	25mm	PF,VS,R,FNUC,R=F	
PGC 70233			Galaxy
Jul 29 2003 31"	25mm	DIF,VF,MS,PATCH,UB,NND,R=F	
PGC 70244			Galaxy S?
Aug 20 2003 31"	25mm	VDIF,EF,PS,PATCH,UB,NND,R=P	
Jul 29 2003 31"	25mm	DIF,MF,PS,PATCH,UB,NND,R=F	
PGC 70251			Galaxy
Jul 29 2003 31"	25mm	VF,VS,PATCH,UB,AV FIRST THEN HOLDS,R=P	
PGC 70285			Galaxy Dwarf
Jul 29 2003 31"	25mm	VDIF,EF,VS,PATCH,UB,R=P	
PGC 70307			Galaxy Sb-c
Jul 29 2003 31"	25mm	MF,MS,EL,UB,R=F	
PGC 70320			Galaxy S
Sep 25 2003 31"	17mmT4	EDIF,EF,PS,PATCH,AV,R=P	
PGC 70342			Galaxy
Sep 25 2003 31"	17mmT4	MF,MS,R,PATCH,FSNUC,SBM,PAIRS/70349/70354,R=F	
PGC 70349			Galaxy SBb

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PGC 70349		Galaxy SBb
Sep 25 2003 31"	17mmT4	MF,MS,EL,PATCH,NND,CNTR BULGE,PAIRS/70342/70354,R=F
PGC 70353		Galaxy C
Sep 25 2003 31"	17mmT4	MF,PS,BSNUC,B* CLOSE BY,R=F
PGC 70354		Galaxy
Sep 25 2003 31"	17mmT4	MF,PS,R,FSNUC,SBM,PAIRS/70349/70342,R=F
PGC 70375		Galaxy S
Jul 29 2003 31"	25mm	VDIF,EF,VS,PATCH,AV,R=P
PGC 70376		Galaxy
Sep 25 2003 31"	17mmT4	PF,PS,PATCH,UB,NND,B* ON EDGE,R=P
PGC 70382		Galaxy L
Sep 25 2003 31"	17mmT4	DIF,MF,MS,PATCH,UB,INTRACT WITH 7475,R=F
PGC 70434		Galaxy Sb
Jul 29 2003 31"	25mm	DIF,PF,MS,PATCH,UB,NND,R=F
PGC 70463		Galaxy Sb-c
Sep 25 2003 31"	17mmT4	MF,MS,EL,PATCH,UB,NND,F* ON TIP,PAIRS/7485/7486,R=F
PGC 70467		Galaxy Sc
Jul 29 2003 31"	25mm	DIF,PF,VL,PATCH,UB,NND,R=F
PGC 70477		Galaxy S?
Aug 20 2003 31"	25mm	MF,PL,R,PATCH,NND,R=F
PGC 70482		Galaxy Irr
Jul 29 2003 31"	25mm	EDIF,EF,VS,PATCH,AV,SUSP,R=P
PGC 70483		Galaxy SBbc
Jul 29 2003 31"	25mm	DIF,VF,PS,PATCH,UB,NND,R=P
PGC 70489		Galaxy
Jul 29 2003 31"	25mm	DIF,VF,MS,PATCH,UB,R=F
PGC 70507		Galaxy Sc
Jul 29 2003 31"	25mm	DIF,PF,PL,OVAL,PATCH,UB,NND,CLOSE TO B*,R=F
PGC 70512		Galaxy S?
Jul 29 2003 31"	25mm	PB,MS,EL,BNUC,MHISB,BLNUC,R=F
PGC 70525		Galaxy S?
Sep 20 2003 31"	25mm	PF,MS,PATCH,UB,F* IN GLXY,R=P

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PGC 70535		Galaxy Sc
Jul 29 2003 31"	25mm	DIF,PF,VL,PATCH,UB,NND,R=F
PGC 70537		Galaxy SBb/Sb
Sep 20 2003 31"	25mm	DIF,PF,MS,OVAL,PATCH,UB,NND,R=F
PGC 70540		Galaxy
Jul 29 2003 31"	25mm	MB,PL,PATCH,FNUC,R=F
PGC 70552		Galaxy Sb
Sep 25 2003 31"	17mmT4	DIF,PF,MS,PATCH,UB,NND,R=P
PGC 70562		Galaxy S0
Sep 20 2003 31"	25mm	PF,PS,OVAL,PATCH,FNUC,SBM,R=F
PGC 70570		Galaxy L
Sep 25 2003 31"	17mmT4	VDIF,VF,PS,PATCH,UB,NND,R=P
PGC 70596		Galaxy Im
Sep 25 2003 31"	17mmT4	VDIF,EF,MS,PATCH,UB,NND,R=P
PGC 70637		Galaxy SB:c
Sep 25 2003 31"	17mmT4	EDIF,EF,PS,EL,PATCH,UB,NND,R=P
PGC 70659		Galaxy
Sep 25 2003 31"	17mmT4	EDIF,EF,VS,PATCH,UB,NND,R=P
PGC 70664		Galaxy Scd:
Sep 25 2003 31"	17mmT4	DIF,MF,PL,EDGE ON,PATCH,UB,NND,R=F
PGC 70672		Galaxy C
Sep 25 2003 31"	17mmT4	EDIF,EF,ES,PATCH,AV,R=P
PGC 70692		Galaxy C
Sep 25 2003 31"	17mmT4	DIF,PF,PS,OVAL,PATCH,UB,NND,PAIR=7512
PGC 70695		Galaxy Pec
Oct 06 2004 31"	17mmT4	PF,VS,R,BSNUC,BM,R=F
PGC 70710		Galaxy
Sep 25 2003 31"	17mmT4	VDIF,VF,PS,OVAL,PATCH,UB,NND,R=P
PGC 70727		Galaxy
Oct 06 2004 31"	17mmT4	VF,VS,R,UB,NND,PAIR=7525,R=F
PGC 70734		Galaxy Sd
Aug 03 2013 36"	17mmT4	MF,MS,EDGE ON,UB,NND,PA~150,CIGAR SHAPE,R=F

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PGC 70758		Galaxy S
Dec 03 2004 31"	17mmT4	PF,MS,OVAL,FSNUC,PAIRS WITH MANY OTHER PGC'S/MAC,R=F
PGC 70775		Galaxy C
Dec 03 2004 31"	17mmT4	MF,MS,OVAL,PATCH,FSNUC,PAIRS WITH MANY OTHER PGC'S/MAC,R=F
PGC 70797		Galaxy SB(rs)bc: pec
Oct 04 2005 31"	17mmT4	VF,PS,PATCH,UB,NND,R=P
Jul 29 2005 31"	17mmT4	MF,PS,EL,FSNUC,R=F
PGC 70798		Galaxy
Dec 03 2004 31"	17mmT4	PF,MS,OVAL,FSNUC,F* OFF ONE SIDE,BAR LIKE NUC,PAIRS WITH OTHER PGC'S/MAC,R=F
PGC 70816		Galaxy
Dec 03 2004 31"	17mmT4	VF,PS,PATCH,NND,F* CLOSE BY,R=P
PGC 70842		Galaxy E?
Oct 30 2005 31"	17mmT4	PF,PS,R,FLNUC,CLOSE TO NGC7549,R=F
Sep 27 2005 31"	17mmT4	MB,PS,R,PATCH,BSNUC,E HICKSON CL,R=F
PGC 70848		Galaxy Sb-c
Jul 29 2005 31"	17mmT4	VDIF,EF,MS,EL,UB,NND,B* IN FOV HINDERS OBJ,R=P
PGC 70878		Galaxy S
Sep 20 2003 31"	25mm	VDIF,VF,VS,PATCH,UB,NND,R=P
PGC 70889		Galaxy S?
Sep 20 2003 31"	25mm	VF,PS,PATCH,UB,NND,7567 GRP OF 4,R=F
PGC 70890		Galaxy
Sep 20 2003 31"	25mm	PF,MS,OVAL,PATCH,FNUC,SBM,7567 GRP OF 4,R=F
PGC 70896		Galaxy S
Sep 20 2003 31"	25mm	VF,PS,PATCH,UB,NND,VF* IN GLXY EDGE,PAIR/70905,R=P
PGC 70902		Galaxy S?
Sep 20 2003 31"	25mm	PF,PS,PATCH,UB,NND,7567 GRP OF 4,R=F
PGC 70904		Galaxy SB
Oct 01 2005 31"	17mmT4	VF,MS,OVAL,PATCH,UB,NND,PAIR=7572,R=F
PGC 70905		Galaxy
Sep 20 2003 31"	25mm	VF,VS,PATCH,UB,NND,VF* IN GLXY,PAIR/70896,R=P
PGC 70935		Galaxy Sc
Sep 05 2007 31"	17mmT4	VF,MS,PATCH,UB,NND,V CLOSE TO B*,R=P

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PGC 70936		Galaxy S0?
Sep 27 2005 31"	17mmT4	VF,VS,F* IN GLXY,CLOSE COMP=7578B,R=P
PGC 70937		Galaxy S
Sep 11 2012 36"	17mmT4	EF,VS,PATCH,AV ONLY FEW TIMES AFTER SVRL SECONDS,HICKSON 94,R=P
PGC 70939		Galaxy E
Sep 11 2012 36"	17mmT4	EF,ES,PATCH,AV ONLY ONCE AFTER 1 MINUTE,HICKSON 94,R=P
PGC 70941		Galaxy L
Sep 11 2012 36"	17mmT4	EF,ES,PATCH,AV ONLY ONCE AFTER 1 MINUTE,HICKSON 94,R=P
PGC 70943		Galaxy S?
Sep 27 2005 31"	17mmT4	PF,PS,PATCH,VFSNUC,PAIR=NGC/PGC/MAC,R=F
PGC 70949		Galaxy Spiral
Oct 01 2005 31"	17mmT4	DIF,EF,PS,OVAL,UB,NND,R=P
PGC 70978		Galaxy
Oct 01 2005 31"	17mmT4	VF,MS,PATCH,UB,NND,PAIR=7579/7584/MAC,R=F
PGC 70985		Galaxy
Oct 04 2005 31"	17mmT4	MF,MS,EL,UB,NND,F* IN TIP,INTRACT =7587,R=F
PGC 71054		Galaxy S
Oct 04 2005 31"	17mmT4	MF,MS,OVAL,F* OFF EDGE,FLNUC,R=F
PGC 71074		Galaxy S
Sep 27 2005 31"	17mmT4	EF,VS,PATCH,UB,NND,AV,PAIR=7609/MAC/PGC,R=P
PGC 71078		Galaxy Scd:
Aug 03 2013 36"	17mmT4	MF,MS,EDGE ON,UB,NND,PA~90,CNTR THICKNESS,SLT CNTR BULGE,R=F
PGC 71080		Galaxy S?
Sep 27 2005 31"	17mmT4	VF,VS,EL,PATCH,UB,NND,VF* ON SIDE,PAIR=7609/MAC/PGC,R=P
PGC 71085		Galaxy Dwarf?
Oct 04 2005 31"	17mmT4	VDIF,VF,PL,EL,PATCH,UB,NND,PAIR=MAC,R=P
PGC 71091		Galaxy LB
Oct 04 2005 31"	17mmT4	PF,MS,UB,NND,PAIRS=7612/MAC'S,R=F
PGC 71102		Galaxy SB?
Aug 03 2013 36"	17mmT4	MF,MS,OVAL,UB,NND,SHISB,R=FG
PGC 71197		Galaxy S?
Oct 20 2006 31"	17mmT4	VF,MS,OVAL,PATCH,UB,NND,2F*;S IN AND SUR GLXY,R=P

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PGC 71200		Galaxy IB(s)m
Oct 20 2006 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,R=P
PGC 71255		Galaxy
Sep 12 2007 31"	17mmT4	MF,MS,EL,UB,NND,SHISB,IRR IN SHAPE,PAIRS=PGC'S/IC1505,R=F
PGC 71260		Galaxy Sc-Irr
Oct 20 2006 31"	17mmT4	VF,VS,VFSNUC,PAIR=7641,R=P
PGC 71299		Galaxy
Oct 25 2006 31"	17mmT4	MF,MS,EL,FSNUC,AGC2589,R=F
PGC 71315		Galaxy
Oct 25 2006 31"	17mmT4	VF,PS,PATCH,UB,NND,AGC2589,R=P
PGC 71317		Galaxy
Oct 25 2006 31"	17mmT4	MF,PS,OVAL,PATCH,UB,NND,AGC2589,R=F
PGC 71319		Galaxy
Oct 25 2006 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,AGC2589,R=F
PGC 71320		Galaxy
Oct 25 2006 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,AGC2589,R=F
PGC 71322		Galaxy
Oct 25 2006 31"	17mmT4	MF,MS,OVAL-R,UB,NND,PATCHY,AGC2589,R=F
PGC 71323		Galaxy Sc
Oct 25 2006 31"	17mmT4	VF,PS,PATCH,UB,NND,AGC2589,R=P
PGC 71324		Galaxy
Oct 25 2006 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,AGC2589,R=F
PGC 71326		Galaxy
Oct 25 2006 31"	17mmT4	MF,PS,OVAL,PATCH,UB,NND,AGC2589,R=F
PGC 71327		Galaxy E
Oct 25 2006 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,AGC2589,R=F
PGC 71330		Galaxy
Oct 25 2006 31"	17mmT4	VF,ES,R,*NUC,CLOSE COMP=PGC71332,AGC2589,F* CLOSE BY,R=P
PGC 71331		Galaxy
Oct 25 2006 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,AGC2589,R=F
PGC 71332		Galaxy
Oct 25 2006 31"	17mmT4	VF,MS,OVAL,PATCH,UB,NND,CLOSE COMP=PGC71330,F* CLOSE BY,AGC2589,R=F

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PGC 71337		Galaxy
Oct 25 2006 31"	17mmT4	MF,MS,OVAL,PATCH,FSNUC,AGC2589,R=F
PGC 71342		Galaxy
Oct 25 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,AV,AGC2589,R=P
PGC 71355		Galaxy SB?
Oct 25 2006 31"	17mmT4	MF,ML,OVAL-R,PATCH,UB,PATCHY,AGC2589,R=F
PGC 71359		Galaxy SBab
Oct 25 2006 31"	17mmT4	DIF,VF,ML,OVAL,PATCH,UB,NND,PATCHY,R=G
PGC 71371		Galaxy L
Oct 25 2006 31"	17mmT4	PF,PS,OVAL,BSNUC,F* CLOSE BY,BM,PAIRS=MAC/PGC71371,R=F
PGC 71374		Galaxy
Oct 25 2006 31"	17mmT4	PF,PS,OVAL,BSNUC,BM,PAIRS=PGC71371/MAC,R=F
PGC 71386		Galaxy S0/a
Oct 25 2006 31"	17mmT4	PF,PS,EDGE ON,BLNUC,L CNTR BULGE,PAIRS=7653/MAC'S,R=F
PGC 71398		Galaxy
Oct 25 2006 31"	17mmT4	VF,ML,R,PATCH,UB,NND,R=F
PGC 71505		Galaxy S?
Sep 27 2005 31"	17mmT4	PF,PS,OVAL,VFSNUC,V CLOSE COMP=7674,PAIR=PGC/7675,R=F
PGC 71506		Galaxy S
Sep 27 2005 31"	17mmT4	PF,ML,OVAL,PATCH,UB,NND,R=F
PGC 71507		Galaxy S
Sep 27 2005 31"	17mmT4	EF,ES,PATCH,UB,AV,PAIR=7675/PGC,R=P
PGC 71513		Galaxy S?
Sep 05 2007 31"	17mmT4	MF,MS,EL,FLNUC,R=F
PGC 71525		Galaxy S0
Sep 05 2007 31"	17mmT4	MB,ML,EL,FSNUC,R=F
PGC 71542		Galaxy S0/a
Sep 05 2007 31"	17mmT4	MF,MS,OVAL,FLNUC,PAIRS=CGCG454-73/MAC,R=F
PGC 71641		Galaxy
Sep 05 2007 31"	17mmT4	MF,PS,OVAL-R,FSNUC,PAIR=7688,R=F
PGC 71746		Galaxy Sc
Sep 05 2007 31"	17mmT4	EF,VS,PATCH,R=P

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PGC 71748		Galaxy S
Sep 05 2007 31"	17mmT4	VF,PL,OVAL,PATCH,UB,NND,VF* CLOSE TO NUC,PAIR=PGC71753,R=P
PGC 71753		Galaxy Scd:
Sep 05 2007 31"	17mmT4	MF,PL,OVAL,PATCH,UB,NND,FEW F*S IN GLXY TO ONE SIDE,PAIR=PGC71748,R=F
PGC 71849		Galaxy S0
Sep 05 2007 31"	17mmT4	MF,MS,OVAL-R,FLNUC,R=F
PGC 71897		Galaxy S
Sep 25 2003 31"	17mmT4	DIF,MF,PS,EL,PATCH,UB,NND,R=F
PGC 71923		Galaxy C
Sep 25 2003 31"	17mmT4	MF,PS,OVAL,SBM,7720 CL,R=F
PGC 71927		Galaxy S0
Sep 25 2003 31"	17mmT4	DIF,PF,PS,OVAL,PATCH,SBM,R=F,7720 CL,R=F
PGC 71945		Galaxy
Sep 25 2003 31"	17mmT4	MF,MS,FSNUC,SBM,PAIR=71958,R=F
PGC 71946		Galaxy S
Sep 05 2007 31"	17mmT4	VF,P,OVAL,UB,NND,PAIR=7718,R=P
PGC 71958		Galaxy
Sep 25 2003 31"	17mmT4	MF,PS,EL,FSNUC,PAIR=71945,R=F
PGC 71976		Galaxy S?
Sep 25 2003 31"	17mmT4	PF,PS,PATCH,FSNUC,SBM,ABELL 2634,R=F
PGC 71977		Galaxy C
Sep 25 2003 31"	17mmT4	PF,PS,OVAL,PATCH,FSNUC,SBM,ABELL 2634,R=F
PGC 71978		Galaxy C
Sep 25 2003 31"	17mmT4	PF,PS,FSNUC,SBM,ABELL 2634,R=F
PGC 71986		Galaxy I?
Sep 25 2003 31"	17mmT4	FID,VF,ML,OVAL-R,PATCH,UB,NND,R=F
PGC 71987		Galaxy E
Sep 25 2003 31"	17mmT4	PF,MS,FSNUC,7720 CL,R=F
PGC 71988		Galaxy I?
Sep 25 2003 31"	17mmT4	PF,PS,OVAL,PATCH,FSNUC,SBM,7720 CL,R=F
PGC 71994		Galaxy
Sep 25 2003 31"	17mmT4	PF,PS,FSNUC,SBM,7720 CL,R=F

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PGC 71995		Galaxy S0/a
Sep 25 2003 31"	17mmT4	VF,VS,PATCH,UB,NND,B* ON EDGE,7720 CL,R=P
PGC 71999		Galaxy E
Sep 25 2003 31"	17mmT4	MF,PS,R,BSNUC,GMBM,7720 CL,R=F
PGC 72000		Galaxy
Sep 25 2003 31"	17mmT4	PF,PS,FSNUC,SBM,7720 CL,R-F
PGC 72027		Galaxy
Sep 25 2003 31"	17mmT4	DIF,PF,MS,EDGE ON,PATCH,UB,NND,R=F
PGC 72169		Galaxy
Sep 05 2007 31"	17mmT4	VF,PS,PATCH,UB,NND,PAIR=MAC,R=P
PGC 72179		Galaxy S?
Sep 05 2007 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIRS=7737/MAC'S,R=F
PGC 72188		Galaxy Sc
Sep 05 2007 31"	17mmT4	VF,MS,EL-EDGE ON,UB,NND,R=P
PGC 72189		Galaxy S0/a
Sep 05 2007 31"	17mmT4	MF,MS,R,FSNUC,PAIR=MAC,R=F
PGC 72216		Galaxy
Sep 05 2007 31"	17mmT4	MF,MS,OVAL,UB,NND,MHISB,PAIRS=MAC/7740,R=F
PGC 72273		Galaxy L
Sep 05 2007 31"	17mmT4	PF,ML,OVAL-R,UB,NND,R=F
PGC 72341		Galaxy C
Sep 05 2007 31"	17mmT4	MF,MS,OVAL,FLNUC,PAIR=7747,R=F
PGC 72346		Galaxy Sd
Sep 05 2007 31"	17mmT4	EF,PS,PATCH,UB,NND,VF* ON EDGE,R=F
PGC 72506		Galaxy SBb
Sep 12 2007 31"	17mmT4	MF,MS,EL-OVAL,UB,NND,PAIR=MAC,R=F
PGC 72581		Galaxy
Sep 12 2007 31"	17mmT4	VF,MS,EL,NND,VF* IN GLXY EDGE,SN?,R=F
PGC 72600		Galaxy Spiral
Sep 12 2007 31"	17mmT4	MF,MS,OVAL,UB,NND,PAIRS=PGC'S,R=F
Sep 30 2005 31"	17mmT4	DIF,PF,ML,OVAL,UB,NND,3 OTHER UNIDENTIFIED GLXY PRESENT,PAIR=PGC72607,R=F
PGC 72606		Galaxy

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PGC 72606		Galaxy
Sep 12 2007 31"	17mmT4	PF,MS,PATCH,UB,NND,MANY OTHERS PRESENT,PAIRS=PGC'S,R=F
PGC 72607		Galaxy S?
Sep 12 2007 31"	17mmT4	PF,MS,EL,FLNUC,PAIR=PGC'S,MANY OTHERS PRESENT,R=F
Sep 30 2005 31"	17mmT4	DIF,PF,MS,OVAL,UB,NND,3 OTHER UNIDENTIFIED GLXY PRESENT,PAIR=PGC72600,R=F
PGC 72608		Galaxy
Sep 12 2007 31"	17mmT4	PF,MS,EL,FLNUC,MANY OTHERS PRESENT,PAIRS=PGC'S,R=F
PGC 72609		Galaxy
Sep 12 2007 31"	17mmT4	PF,MS,EL,FLNUC,MANY OTHERS PRESENT,PAIRS=PGC'S,R=F
PGC 72628		Galaxy C
Sep 30 2005 31"	17mmT4	PF,MS,OVAL-R,BSNUC,R=F
PGC 72640		Galaxy C
Sep 12 2007 31"	17mmT4	MF,MS,PATCH,FSNUC,PAIR=PGC72647,R=F
PGC 72647		Galaxy
Sep 12 2007 31"	17mmT4	VF,VS,OVAL,UB,NND,PAIR=PGC72640,R=P
PGC 72665		Galaxy
Sep 12 2007 31"	17mmT4	MF,MS,EL,UB,NND,R=F
PGC 72685		Galaxy
Nov 20 2003 31"	17mmT4	MF,PS,PATCH,UB,NND,MHISB,* ON EDGE, * FARTHER OUT,R=F
PGC 72716		Galaxy SB0
Sep 12 2007 31"	17mmT4	MF,MS,R,FLNUC,PAIR=MAC,R=F
PGC 72723		Galaxy
Sep 12 2007 31"	17mmT4	EF,VS,PATCH,UB,AV HOLDS,R=P
PGC 72751		Galaxy
Sep 12 2007 31"	17mmT4	MF,MS,ELOVVAL,PATCH,UB,NND,R=F
PGC 72977		Galaxy IB(s)m
Sep 05 2007 31"	17mmT4	VF,ML,EL,UB,NND,BOTH APPREA AS ONE, LONG AND NARROW,PAIR=PGC72978,R=P
PGC 72978		Galaxy S
Sep 05 2007 31"	17mmT4	VF,ML,EL,UB,NND,BOTH APPEAR AS ONE, LONG AND NARROW,PAIR=PGC72977,R=P
PGC 73052		Galaxy L
Oct 01 2005 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,PAIR=7792,PGC,R=P
PGC 73074		Galaxy S

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PGC 73074**Galaxy S**

Oct 01 2005 31" 17mmT4 PF,MS,PATCH,UB,NND,PAIR=7792/PGC,R=F

QSO 2237+030**Galaxy Quasar**

Oct 07 2010 31" 17mmT4 PF,VS,OVAL,BNUC,WITH IMAGE INT,BM WITH VF HALO SURNUC IS PGC69457,R=P

Oct 07 2010 31" 31mmT5 PF,MS,EL,VS BNUC,31MM WITH 2" 4X BARLOW,EL ALONG ONE AXIS,PIN POINT GLIMSE OF * LIKE
SUR NUC COMES AND GOES,GLXY IS PGC 69457,R=F

Sep 11 2007 31" 17mmT4 VF,MS,UB,EINSTEIN'S CROSS,APPEARS AS A HALO SUR PGC69457,CROSS NOT DET,R=P

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ABELL 4		Planetary Neb
Oct 07 2010 31"	12mmT4	PF,PS,R,UB,2 PGC GLXY CLOSE BY,OIII DOESNOT HELP MUCH,17MM - COMP GLXY HARD TO DET,R=F
Feb 05 2005 31"	17mmT4	DIF,VF,MS,R,OIII,GREENISH,SOME PATCHY AREAS DET,PAIR=PGC10427,R=G
CR 29		Open Cluster II 2 p
Nov 13 2020 36"	55mm	(II 2 p),EB,EL,NICE IN FOV,~20"S VAR MAG,SC SMWHT EL,(11:08pm),R=PF
IC 257		Galaxy S0-:
Feb 04 2005 31"	17mmT4	MB,ML,EL,FLNUC,SOFT NUC,F* IN EDGE,PATCH OR KNOT SUSP,SHISB CNTR,R=G
IC 258		Galaxy SB0
Feb 04 2005 31"	17mmT4	PF,PS,EONG,FSNUC,COMP=IC259,F*IN GLXY,R=F
IC 259		Galaxy SB0
Feb 04 2005 31"	17mmT4	PF,PS,OVAL,UB,NND,F* IN EDGE,COMP=IC258,R=F
IC 260		Galaxy E:
Feb 04 2005 31"	17mmT4	MF,PS,OVAL,BSNUC,GBM,MHISB CNTR,R=F
IC 262		Galaxy SB0
Feb 04 2005 31"	17mmT4	MF,PS,OVAL,FLNUC,2F*S OFF ONE SIDE 90 DEG APART,SHISB CNTR,R=F
IC 265		Galaxy E
Feb 04 2005 31"	17mmT4	MF,MS,OVAL,FLNUC,SHISB CNTR,NGC1129 CL,R=F
IC 266		Galaxy S
Feb 04 2005 31"	17mmT4	MF,MS,EL,BSNUC,F* OFF TIP,R=F
IC 278		Galaxy E:
Feb 04 2005 31"	17mmT4	MF,MS,R,BLNUC,SHISB,VF* IN EDGE,R=G
IC 284		Galaxy SAdm
Feb 04 2005 31"	17mmT4	VF,PL,EL2 VF*S IN CNTR,F* IN EDGE,PATCHY AREA'S DET,KNOTS,R=G
IC 288		Galaxy S?
Feb 04 2005 31"	17mmT4	PF,MS,EL,BLNUC,SHISB CNTR,R=F
IC 290		Galaxy Sb
Dec 06 2002 12.5"	9mmT6	EDIF,EF,VS,PATCH,UB,COMES AND GOES WITH AV,PAIR/1883
IC 293		Galaxy E-S0
Feb 04 2005 31"	17mmT4	PF,ML,OVAL,PATCH,FLNUC,R=F
IC 296		Galaxy (R)SB(rs)0/a:
Sep 27 2005 31"	17mmT4	MB,PL,OVAL,FLNUC,F* IN EDGE,ANOTHER * FURTHER OUT,R=G
Feb 04 2005 31"	17mmT4	PF,PS,OVAL,PATCH,VFLNUC,GRP OF *S OFF ONE SIDE,V* IN EDGE,R=F

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IC 300		Galaxy	
Sep 27 2005 31"	17mmT4	VF,VS,OVAL,VFSNUC,=MAC0314+4224,PAIR=MAC,R=P	
IC 301		Galaxy E	
Feb 04 2005 31"	17mmT4	MB,PL,BLNUC,VF* BY NUC,* IN EDGE,MHISB CNTR,R=G	
IC 304		Galaxy Sb	
Feb 04 2005 31"	17mmT4	MF,MS,OVAL,FLNUC,SHISB CNTR,PAIRS=IC305/MAC,R=F	
IC 305		Galaxy E	
Feb 04 2005 31"	17mmT4	MF,MS,OVAL,BSNUC,SHISB CNTR,INTRACT=MAC,PAIR=IC304,R=P	
IC 308		Galaxy S0	
Sep 02 2005 31"	17mmT4	PF,VS,R,FSNUC,VF* ON EDGE,R=F	
IC 309		Galaxy SA(s)0^	
Feb 05 2005 31"	17mmT4	PB,MS,BSNUC,MHISB,PAIRS=PGC12132/MAC,R=G	
IC 310		Galaxy SA(r)0^:	
Sep 02 2005 31"	17mmT4	MB,PS,OVAL,BLNUC,SHISB CNTR,PAIR=PGC12185R=G	
IC 311		Galaxy S?	
Sep 02 2005 31"	17mmT4	PF,MS,EL,FNUC,EL NUC,VF* ON EDGE,R=F	
IC 312		Galaxy E:	
Sep 12 2002 12.5"	9mmT6	VDIF,PF,MS,OVAL,SBM,ABELL426	
IC 313		Galaxy E	
Sep 02 2005 31"	17mmT4	MF,PS,EL,FNUC,2VF*S OFF ONE SIDE,SHISB CNTR,R=F	
IC 316		Galaxy S?	
Sep 02 2005 31"	17mmT4	PF,PS,PATCH,FSNUC,S PATCH DET,COMP=PGC12576,R=F	
IC 319		Galaxy	STELLAR, = 13M
Sep 27 2005 31"	17mmT4	PF,VS,PATCH,UB,NND,NIM,F* OFF SIDE,2* OPPOSITE ENDS,R=F	
IC 320		Galaxy SB(rs)ab	
Sep 02 2005 31"	17mmT4	VF,ML,OVAL-R,NND,SVRL VF*S IN GLXY AND ON EDGE,PAIR=PGC12816,R=F	
IC 348		Open Cluster III 2 p n	
Oct 18 2023 12.5"	17mmT4	(III 2 p n),MF,MS,~15*S VAR MAG,LTL CONC,LOOSELY SC,NEB DET W PART,OIII NO GOOD,PAIR=IC 1985,IC 1985 IS THE NEB IN IC 348,(12:21am),R=FG	
Nov 13 2020 36"	55mm	(IV 2 p n),VB,ML,B* IN FOV,~15*S,COLORFULL ** IN CNTR WITH NEB (IC 1985),(12:50am),R=FG	
Sep 02 2005 31"	17mmT4	PB,PL,~12*S,VAR MAG,LOOSELY SC,CL DET,BARREN FOV,R=F	
IC 351		Planetary Neb 2a	
Oct 07 2010 31"	12mmT4	MB,VS,R,BNUC,B BLUE,SUDLY MBM,BNUC,OIII B NEB,HELPS LTL,R=G	

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IC	351		Planetary Neb 2a
	Dec 20 2003 31"	17mmT4	PB,MS,R,VHISB,B BLUE,NO CNTR *,R=G
IC	1874		Galaxy S0/a
	Feb 05 2005 31"	17mmT4	MF,PS,OVAL,FSNUC,2*S OFF ONE SIDE,R=F
IC	1883		Galaxy S0/a
	Dec 06 2002 12.5"	9mmT6	DIF,PF,PS,PATCH,UB,PAIR/IC 290/IC 292
IC	1887		Galaxy Sdm:
	Feb 04 2005 31"	17mmT4	MF,ML,EDGE ON,F* IN TIP,SHISB,CNTR BULGE,R=G
	Dec 06 2002 12.5"	9mmT6	VDIF,VF,PS,EL-OVAL,PATCH,UB,PAIR/IC 1883
IC	1900		Galaxy S0
	Feb 05 2005 31"	17mmT4	MF,PS,OVAL,BSNUC,SHISB,BM,PAIRS=IC1901/IC1902,NICE IN FOV,R=G
IC	1901		Galaxy S
	Feb 05 2005 31"	17mmT4	PF,PS,EL,BSNUC,SHISB,BM,PAIRS=IC1900/IC1902,NICE IN FOV,R=G
IC	1902		Galaxy
	Feb 05 2005 31"	17mmT4	MF,PS,EL,BSNUC,SHISB,BM,PAIRS=IC1900/IC1901,NICE IN FOV,R=G
IC	1907		Galaxy E?
	Sep 12 2002 12.5"	9mmT6	EDIF,EF,VS,TRI OF *S TO ONE SIDE,OVAL,UB,ABELL426
IC	1934		Galaxy S0
	Sep 02 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,* OFF ONE SIDE,R=P
IC	1985		Brn Nebula R
	Oct 18 2023 12.5"	17mmT4	(Lb 2),DIF,PF,MS,NEB DET W PART OF IC 348 OC,PATCHY,OIII NO GOOD,PAIR=IC 348,(12:21am),R=F
	Nov 13 2020 36"	31mmT5	(Lb 2),DIF,MB,ML,W/OIII,NEB SUR *S OF IC 348,B* IN FOV WITH F HALO OF NEB,EDGES FADE INTO OUTER AREAS,(12:55am),R=FG
IC	2003		Planetary Neb 2
	Oct 07 2010 31"	12mmT4	MB,VS,R,NO CNTR*,ONE HALF NEB BTR THAN OTHER,OIII HELPS LTL,R=G
	Feb 05 2005 31"	17mmT4	OIII,PB,VS,R,B BLUE,B AREA ON ONE SIDE,PAIR=MAC,R=E
IC	2005		Galaxy C
	Sep 19 2012 36"	17mmT4	MF,MS,OVAL,FLNUC,LOC IN CALIF NEB,R=F
	Sep 04 2005 31"	17mmT4	PF,PS,EL,FSNUC,SHISB CNTR,R=F
IC	2027		Galaxy E
	Sep 04 2005 31"	17mmT4	MF,PS,OVAL,UB,NND,MHISB,R=F
IC	2067		Brn Nebula
	Sep 27 2005 31"	17mmT4	PF,MS,PATCH,UB,F NEB CLOSE TO *,OIII DOES NOT HELP,R=F

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KING 7		Open Cluster I 2 r
Nov 13 2020 36"	17mmT4	(I 2 r),MF,MS,B* SUR BY MANY FTR **S SIM MAG,~60"S,(1:26am),R=FG
MAC 0245+4232		Galaxy
Feb 05 2005 31"	17mmT4	PF,VS,OVAL,PATCH,UB,NND,R=F
MAC 0249+4706		Galaxy
Feb 04 2005 31"	17mmT4	EF,VS,PATCH,UB,NND,B* IN FOV,COMP=PGC10717,R=P
MAC 0250+4639		Galaxy
Feb 04 2005 31"	17mmT4	EF,ES,ALM *,PAIR=PGC10770,R=P
MAC 0254+4136		Galaxy
Feb 04 2005 31"	17mmT4	VF,PS,PATCH,UB,NND,NGC1129 CL,R=F
MAC 0255+4136A		Galaxy
Feb 04 2005 31"	17mmT4	VF,VS,PATCH,NND,CLOSE TO *,NGC1129 CL,R=P
MAC 0300+3534		Galaxy
Nov 11 2009 31"	17mmT4	EF,ES,PATCH,AV SUSP,AV ONLY ONCE OR TWICE,AGC 407,R=P
MAC 0300+3541		Galaxy
Nov 11 2009 31"	17mmT4	VF,VS,PATCH,NND,AV FIRST THEN HOLDS,AGC 407,R=P
MAC 0300+3602		Galaxy
Nov 11 2009 31"	17mmT4	EF,ES,SUSP,LOC GOOD,AGC 407,R=P
MAC 0300+3604C		Galaxy
Oct 09 2010 31"	17mmT4	EF,VS,PATCH,VF* ON EDGE,AV ONCE OR TWICE,AGC 407,R=P
MAC 0300+3605		Galaxy
Nov 11 2009 31"	17mmT4	VF,VS,PATCH,EFSNUC,AGC 407,R=P
Nov 11 2009 31"	17mmT4	VF,VS,PATCH,NND,AV FIRST THEN HOLDS,COMES AND GOES,AGC 407,R=P
MAC 0301+3534		Galaxy
Nov 11 2009 31"	17mmT4	EF,VS,PATCH,AV ONLY ONCE OR TWICE,AGC 407,R=P
MAC 0301+3538		Galaxy
Nov 11 2009 31"	17mmT4	VF,VS,PATCH,NND,AV HOLDS,AGC 407,R=P
MAC 0301+3540		Galaxy
Nov 11 2009 31"	17mmT4	PF,PS,EL,PATCH,UB,NND,AGC 407,R=F
MAC 0301+3540A		Galaxy
Nov 17 2012 36"	17mmT4	VF,ES,JUST OFF EDGE OF MAC0301+3540,ALM *,AGC 407,R=P
MAC 0301+3542		Galaxy

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MAC 0301+3542 Galaxy
Nov 17 2012 36" 17mmT4 EF,ES,SUSP,AGC 407,R=P

MAC 0301+3543 Galaxy
Nov 17 2012 36" 17mmT4 EF,ES,AV FIRST THEN HOLDS,AGC 407,R=P

MAC 0301+3544 Galaxy
Nov 17 2012 36" 17mmT4 VF,VS,PATCH,UB,AGC 407,R=P

MAC 0301+3545 Galaxy
Nov 11 2009 31" 17mmT4 VF,VS,UB,TOUCH PGC 1144,CAN BARELY SEP,AV COMES AND GOES,AGC 407,R=P

MAC 0301+3547 Galaxy
Nov 17 2012 36" 17mmT4 EF,ES,PATCH,LOC GOOD,ONLY SUSP,AGC 407,R=P

MAC 0301+3547A Galaxy
Nov 11 2009 31" 17mmT4 EF,VS,PATCH,AV ONLY A FEW TIMES,AGC 407,R=P

MAC 0301+3550A Galaxy
Nov 17 2012 36" 17mmT4 EF,ES,UB,AV FIRST THEN HOLDS,AGC 407,R=P

MAC 0301+3550B Galaxy
Nov 11 2009 31" 17mmT4 VF,PS,PATCH,BARELY TUCHING PGC 11434,AGC 407,R=F

MAC 0301+3552A Galaxy
Nov 11 2009 31" 17mmT4 EF,VS,B* IN GLXY,HARD TO DET,AGC 407,R=P

MAC 0301+3552C Galaxy
Nov 17 2012 36" 17mmT4 EF,ES,AV ONLY ONCE OR TWICE,AGC 407,R=P

MAC 0301+3553 Galaxy
Nov 11 2009 31" 17mmT4 EF,VS,PATCH,AV,AGC 407,R=P

MAC 0301+3554A Galaxy
Nov 11 2009 31" 12mmT4 EF,VS,PATCH,AV ONLY ONCE,AGC 407,R=P

MAC 0301+3554B Galaxy
Nov 11 2009 31" 12mmT4 EF,VS,PATCH,AV TOOK A WHILE TO HOLD,AGC 407,R=P

MAC 0301+3554D Galaxy
Nov 11 2009 31" 12mmT4 EF,ES,PATCH,LOC GOOD,BARRON AREA,AV ONLY ONCE,SUSP,AGC 407,R=P

MAC 0301+3555A Galaxy
Nov 11 2009 31" 12mmT4 VF,VS,OVAL,BSNUC,AGC 407,R=P

MAC 0301+3555B Galaxy
Nov 11 2009 31" 12mmT4 EF,ES,PATCH,AV ONLY ONCE,AGC 407,R=P

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MAC 0301+3558A Galaxy
Nov 17 2012 36" 17mmT4 EF,ES,PATCH,TOOK AV AWHILE,AGC 407,R=P

MAC 0301+3558B Galaxy
Nov 11 2009 31" 17mmT4 VF,VS,PATCH,AGC 407,R=F

MAC 0301+3558C Galaxy
Nov 17 2012 36" 17mmT4 EF,ES,PATCH,TOOK AWHILE,AGC 407,R=P

MAC 0301+3559B Galaxy
Nov 11 2009 31" 17mmT4 EF,VS,PATCH,AV HOLDS,AGC 407,R=P

MAC 0302+3538 Galaxy
Nov 11 2009 31" 17mmT4 VF,VS,PATCH,B* CLOSE BY,AV HOLDS AFTER A WHILE,AGC 407,R=P

MAC 0302+3540 Galaxy
Nov 11 2009 31" 17mmT4 PF,PS,PATCH,UB,NND,AGC 407,R=F

MAC 0302+3543 Galaxy
Nov 11 2009 31" 17mmT4 EF,VS,PATCH,AV HARD TO HOLD,AGC 407,R=P

MAC 0302+3544 Galaxy
Nov 11 2009 31" 17mmT4 EF,VS,PATCH,AV ONLY A FEW TIMES,AGC 407,R=P

MAC 0302+3545A Galaxy
Nov 17 2012 36" 17mmT4 EF,VS,V CLOSE TO *,CANNOT DET,SUSP,AGC 407,R=P

MAC 0302+3546 Galaxy
Nov 11 2009 31" 17mmT4 VF,VS,PATCH,AV HOLDS AFTER A WHILE,AGC 407,R=P

MAC 0302+3603 Galaxy
Nov 17 2012 36" 17mmT4 EF,ES,PATCH,TOOK AV AWHILE,SUSP,ALM *,AGC 407,R=P

MAC 0302+3606A Galaxy
Oct 09 2010 31" 17mmT4 EF,VS,PATCH,AV TOOK A WHILE,HARD TO HOLD,AGC 407,R=P

MAC 0302+3606B Galaxy
Oct 09 2010 31" 17mmT4 PF,PS,OVAL,PATCH,AV HOLDS,AGC 407,R=P

MAC 0303+3538 Galaxy
Nov 11 2009 31" 17mmT4 EF,VS,PATCH,AV ONLY A FEW TIMES,AGC 407,R=P

MAC 0303+3546B Galaxy
Nov 11 2009 31" 17mmT4 PF,MS,OVAL,UB,NND,AGC 407,R=P

MAC 0305+3602 Galaxy
Feb 05 2005 31" 17mmT4 VF,VS,OVAL,PATCH,UB,NND,R=P

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MAC 0305+4244			Galaxy	
Feb 04 2005 31"	17mmT4	EF,VS,PATCH,UB,AV,SUSP,PAIR=1174,R=P		
MAC 0310+4200			Galaxy	
Oct 12 2007 31"	17mmT4	VF,MS,OVAL,FSNUC,R=F		
MAC 0311+3525			Galaxy	
Feb 04 2005 31"	17mmT4	EF,ES,* NUC,PAIRS=1226/1227/PGC11896,R=P		
MAC 0312+3927			Galaxy	
Feb 04 2005 31"	17mmT4	EF,ES,* NUC,AV,SUSP,R=P		
MAC 0312+4129A			Galaxy	
Oct 12 2007 31"	17mmT4	VF,VS,PATCH,UB,NND,R=P		
MAC 0312+4129B			Galaxy	
Oct 12 2007 31"	17mmT4	EF,ES,PATCH,UB,AV FIRST THEN HOLDS,R=P		
MAC 0312+4139			Galaxy	
Oct 12 2007 31"	17mmT4	EF,ES,PATCH,AV,SUSP,R=P		
MAC 0312+4151			Galaxy	
Oct 12 2007 31"	17mmT4	VF,VS,OVAL,PATCH,UB,VF* OFF ONE SIDE,R=P		
MAC 0314+4223			Galaxy	
Sep 27 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=IC300,R=P		
MAC 0315+3751			Galaxy	
Feb 04 2005 31"	17mmT4	EF,ES,PATCH,AV,ON EDGE OF IC305,INTRACT,MAKES IC305 LOOK ELR=P		
MAC 0315+4045			Galaxy	
Feb 05 2005 31"	17mmT4	PF,MS,EL,PATCH,UB,NND,PAIRS=PGC12132/IC309,R=F		
MAC 0323+4123			Galaxy	
Sep 27 2005 31"	17mmT4	VF,VS,OVAL,VFSNUC,R=P		
MAC 0356+3355			Galaxy	
Feb 05 2005 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,PAIR=IC2003,R=P		
MINK 1-2			Planetary Neb 1	
Sep 02 2008 31"	17mmT4	PF,ES,R,ALM *,BLUEISH,OIII DOESNOT HELP MUCH,R=P		
NGC 650	M76	H193-1	Planetary Neb 3+6	VB,P OF DNEB =M76
Sep 02 2008 31"	17mmT4	VB,VL,BHOUR GLASS CNTR RGN,F WISPS OF NEB SIDES,OIII NO HELP,F* EDGE OF HOUR GLASS,NO CNTR* DET,R=E		
Mar 19 2004 12.5"	12mmT4	W/OIII, VB,PL,HOUR GLASS SHAPE,BAR,TWO HALVES,MESSIER MARATHON 2004,R=E		
Dec 06 2002 12.5"	9mmT6	PB,PL,2 LOBES EASILY DET,MHISB,B RGN IN ONE LOBE, M76		

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NGC 650	M76	H193-1	Planetary Neb 3+6	VB,P OF DNEB =M76
Mar 02 1984	10" 20mm	SAME		
Aug 25 1982	12.5" 16mm	HOUR GLASS SHAPE,WHIPHS OF NEB SUR TIPS,SAME AS BEFORE		
Oct 03 1981	12.5" 24mm	BLUE GREEN,MB,PS,S PART BTR,HISB,2 PARTS DET,DARK PATCH		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Aug 22 1980	12.5" 24mm			
Aug 19 1980	12.5" 24mm			
Jul 24 1980	12.5" 24mm			
Jul 17 1980	12.5" 24mm			
Jul 11 1980	12.5" 24mm			
NGC 744			Open Cluster III 1 p	CL,PL,PRI,IF,*11..13
Oct 03 1981	12.5" 24mm	MB,PL,20*S,NOT THAT DIFF FROM * FIELD,SLT CL DET		
NGC 869		H33-6	Open Cluster I 3 r	CL,VVL,VRI,*7...14
Oct 03 1981	12.5" 32mm	VB,EL,B DIAMOND SHAPE *S IN CNTR,PAIR/884		
Sep 20 1981	12.5" 24mm			
Oct 31 1980	12.5" 24mm			
Sep 18 1980	12.5" 24mm	H & CHI DBL CL		
Jun 20 1980	12.5" 24mm			
NGC 884		H34-6	Open Cluster I 3 r	CL,VL,VRI,RUBY*M
Oct 03 1981	12.5" 32mm	VB,EL,PAIR/869,BEST IN 2" EYEPIECE		
Sep 20 1981	12.5" 24mm			
Oct 31 1980	12.5" 24mm			
Sep 18 1980	12.5" 24mm	H & CHI DBL CL		
Jun 20 1980	12.5" 24mm			
NGC 957			Open Cluster III 2 m	CL,PL,PRI,*13...15
Oct 03 1981	12.5" 24mm	MB,PL,2B*S SUR BY *S 2-3 MAG FTR,~40*S		
NGC 1001			Galaxy Sbc	VF,VS
Dec 06 2002	12.5" 9mmT6	DIF,MF,MS,EL,LINE OF *S POINT TO IT,PATCHY,UB,PAIR/999/996,CL OF 7 GLXY		
Aug 17 1982	12.5" 16mm	EDIF,EF,MS,2F*S TO SE 1 GLXY DIA,SL ELPAIR/996/999/1000		
NGC 1003		H198-3	Galaxy SA(s)cd	PF,L,E90,MBM,R
Aug 17 1982	12.5" 16mm	DIF,PF,MS,EL,F* IN E PART,NND,PATCHY		
NGC 1005			Galaxy E/S0	VF,VS
Dec 06 2002	12.5" 9mmT6	VDIF,PF,MS,PATCH,SBM,OVAL,CL OF 7 GLXY		
NGC 1023		H156-1	Galaxy SB(rs)0-	VB,VL,VME,VVMBM
Feb 04 2005	31" 17mmT4	VF,EL,EL,BLNUC,FARMS,GMBM,SVRL *S IN GLXY,COMP=1023A,R=E		
Aug 17 1982	12.5" 16mm	EDGE ON,MF,ML,LINE OF 3 *S OFF TO E,VMBM,DIF ARMS		
Oct 03 1981	12.5" 12mm	MB,ML,EL,F* OR PART OF GLXY W SIDE,LOOKS LIKE SB GLXY,VMBM,BNUC DET		
Sep 07 1980	12.5" 24mm			
Sep 03 1980	12.5" 24mm			

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NGC 1023		H156-1	Galaxy SB(rs)0-	VB,VL,VME,VVMBM
Aug 22 1980 12.5"	24mm			
Aug 19 1980 12.5"	24mm			
Jul 24 1980 12.5"	24mm	BNUC,GREAT!!!		
Jul 11 1980 12.5"	24mm			
Jun 20 1980 12.5"	24mm	GOOD LOOKING GLXY		
NGC 1023A			Galaxy IB?	
Feb 04 2005 31"	17mmT4	VF,VS,PATCH,UB,COMP=1023,IN ARMS OF 1023,R=P		
NGC 1039	M34		Open Cluster II 3 r	CL,B,VL,LC,SC ST9
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984 10"	20mm	SAME		
Oct 03 1981 12.5"	24mm	VB,VL,SC *S,BTR IN 32MM		
Sep 20 1981 12.5"	24mm			
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
Sep 10 1980 12.5"	24mm			
Sep 07 1980 12.5"	24mm			
Jul 17 1980 12.5"	24mm			
Jul 11 1980 12.5"	24mm			
NGC 1050			Galaxy (R')SB(s)a	F,S,*18INV N
Aug 17 1982 12.5"	16mm	VF,MS,VDIF,VF* N PART,VSBM,PATCH		
NGC 1053			Galaxy S0	VF,VS,LE,3OR4*LINENR
Aug 17 1982 12.5"	16mm	VDIF,VF,VS,EL,F*S TIP,NND,PATCH		
NGC 1058		H633-2	Galaxy SA(rs)c	PF,CL,R,GLBM
Aug 17 1982 12.5"	16mm	F* IN NE PART,B*S SUR GLXY,R-OVAL,NND,HISB		
Oct 03 1981 12.5"	16mm	DIF,MB,ML,VR,F* SUR GLXY,NND,UB		
Aug 19 1980 12.5"	24mm	EF AND DIF		
Jul 24 1980 12.5"	24mm	LOW SURFACE B,*NUC		
NGC 1077A			Galaxy SBb	
Feb 04 2005 31"	17mmT4	PF,MS,EL,PATCH,UB,NND,INTRACT 1077B,R=F		
Aug 17 1982 12.5"	16mm	EDIF,EF,MS,PATCHY-OVAL,IN BARREN AREA,VSBM,AKA 1077A		
NGC 1077B			Galaxy Sb	
Feb 04 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,AV,INTRACT 1077A,APPEARS AS A BUMP ON 1077B,R=P		
NGC 1086			Galaxy Scd:	VF,PS,D* NR
Aug 17 1982 12.5"	16mm	VDIF,VF,MS,F* OFF N TIP,VSBM,R-OVAL,4B*S TO THE E		
NGC 1106			Galaxy SA0+	VF,VS,VF*ATT S
Aug 17 1982 12.5"	16mm	MF,PS,F*E 1 GLXY DIA,F* SUSP W PART,MHISB,R-OVAL		
NGC 1122		H601-2	Galaxy SBb	VF,PS,R,*NR N

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NGC 1122 Aug 17 1982 12.5" 16mm	H601-2 VDIF,VF,VS,F*E SIDE(POSSIBLE 2*S),SOME B AREAS IN GLXY SUSP,OVAL,MHISB	Galaxy SBb	VF,PS,R,*NR N
NGC 1129 Feb 04 2005 31" 17mmT4 Aug 17 1982 12.5" 16mm	H602-2 PB,ML,OVAL,FLNUC,COMP=PGC10953,NGC1129 CL,R=G DIF,MF,MS,OVAL,UB-SBM,COMPANION TO N(1130),PAIR/1131	Galaxy E	CF,PS,IR,VGLBM, F*SP
NGC 1130 Feb 04 2005 31" 17mmT4 Aug 17 1982 12.5" 16mm	H602-2 MF,PS,R,FLNUC,* OFF ONE SIDE,NGC1129 CL,R=F VDIF,VF,ES,FNUC,*NUC,R,CLOSE COMP WITH 1129,PAIR 1131	Galaxy compact	EF,ES
NGC 1131 Feb 04 2005 31" 17mmT4 Aug 17 1982 12.5" 16mm	H602-2 PF,VS,R,FLNUC,NGC1129 CL,R=F VDIF,EF,ES,V *NUC,R,SBM,NO *S CLOSE,PAIR/1130/1129	Galaxy E/S0	EF,ES
NGC 1138 Aug 17 1982 12.5" 16mm	H580-3 DIF,VF,VS,BNUC,FORMS TRI WITH 2F*S,R,GBM	Galaxy SB0	VF,VS,R,GBM,2S* TRI
NGC 1159 Aug 17 1982 12.5" 16mm	H580-3 VDIF,EF,ES,F*SE SVRL GLXY DIA,SLT HISB,R	Galaxy Spiral HSB	VF,S,R,VLBM
NGC 1160 Aug 17 1982 12.5" 16mm	H199-3 VDIF,MF,MS,F*S EDGE,PATCHY,NND,NO *S N OR E,PAIR/1161	Galaxy Scd:	F,E
NGC 1161 Aug 17 1982 12.5" 16mm	H239-2 MF,PS,BNUC,2B*S JUST OFF TO W TIP,R,GBM,MHISB,PAIR/1160	Galaxy S0	F,PS,LE,SBM
NGC 1164 Aug 17 1982 12.5" 16mm	H239-2 EEDIF,EF,VS,2 OR 3 F*S IN OBJ,JUST VISIBLE WITH AV	Galaxy (R')SAB(s)ab	EF,VS
NGC 1167 Aug 17 1982 12.5" 16mm	H178-3 MF,PS,GBM,R	Galaxy SA0-	VF,PL,R,SPMBM
NGC 1169 Aug 17 1982 12.5" 16mm Oct 03 1981 12.5" 16mm	H620-2 DIF,MF,MS,FNUC,F*S AND E 1 OR 2 GLXY DIA,SBM,CLASS E3 DIF,VF,PS,DNUC,F*W PART OF GLXY,SBM,NUC DET	Galaxy SAB(r)b	PF,PS,IF,SBM
NGC 1171 Aug 17 1982 12.5" 16mm	H620-2 DIF,MF,MS,EL,F* OFF N TIP 1 GLXY DIA,SLT EL,SBM	Galaxy Scd:	VF,PL,IF
NGC 1175 Aug 17 1982 12.5" 16mm Oct 03 1981 12.5" 12mm	H607-2 DIF,MF,VS,SLT EL,SBM,PATCHY,F*S SUSP,COMPANION/1177 EDIF,VF,ES,EL,*NUC SUSP,OBLONG IN SHAPE	Galaxy SA(r)0+	F,CL,E
NGC 1177 Aug 17 1982 12.5" 16mm	H607-2 EDIF,EF,ES,SUSP WITH AV,COMPANION/1175	Galaxy S?	VF,S,R,NF1175

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NGC 1186		H43-4	Galaxy SB	F*W/NEB APPENDAGES
Feb 04 2005 31"	17mmT4		MB,PL,EDGE ON,VFLNUC,B* BY NUC,F* IN TIP,CNTR BULGE,SBM,PAIR=MAC,R=G	
Dec 06 2002 12.5"	9mmT6		PB,PL,EL,SVRL F*S ON EDGE,BSTELLER NUC,FARMS	
Aug 17 1982 12.5"	16mm		DIF,MF,PS,EL,BNUC,4F*S OFF E SIDE,1*IN E TIP,B* OR *NUC	
NGC 1193		H608-2	Open Cluster I 2 m	F,CL,ER
Aug 10 2002 12.5"	9mmT6		PF,PS,TIGHT GRP,*S SIM MAG	
NGC 1198			Galaxy S0-:	NEB*11
Aug 17 1982 12.5"	16mm		DIF,VF,VS,F*S TIP,R,GBM	
NGC 1207		H578-3	Galaxy SA(rs)b	CF,VS,R,PSB INNPPEND
Nov 13 2020 36"	55mm		(II 3 m),EB,EL,FITS NICE IN FOV,~50*S VAR MAG,SC BUT STANDS OUT WELL,OUTER EDGE IC 1805,(11:19pm),R=F	
Aug 21 1982 12.5"	16mm		CLASS AS E2,MF,PS,BNUC,F*N EDGE,F*W EDGE,LOC IN TRI OF B*S,R,GMBM	
Aug 17 1982 12.5"	16mm		DIF,PF,PS,FNUC,*NUC SUSP,PATCH	
NGC 1212			Galaxy	EF,S,R,ALGOL NR
Dec 06 2002 12.5"	9mmT6		EDIF,EF,PS,PATCH,AV,KEEP ALGOL OUT OF FIELD,	
NGC 1213			Galaxy SA(s)dm	EF,LE,*CLOSEN,DIFFIC
Feb 04 2005 31"	17mmT4		VDIF,EF,VL,OVVAL,PATCH,UB,NND,SVRL VF*S IN CNTR RGN,R=P	
NGC 1220			Open Cluster I 1 p	CL,VS,STVF
Oct 03 1981 12.5"	24mm		MF,VS,10*S,F GLOW,12MM-*S RSLV	
NGC 1224			Galaxy S0-:	EF,VS,R
Oct 12 2007 31"	17mmT4		MF,MS,EL,BSNUC,SHISB CNTR,R=F	
Feb 04 2005 31"	17mmT4		MF,MS,OVVAL,FLNUC,SUDLY BM,SHISB CNTR,R=G	
NGC 1226			Galaxy E	F,VS,R,BM
Feb 04 2005 31"	17mmT4		MB,ML,OVVAL,FLNUC,GRADUALLY BM,MHISB CNTR,PAIRS=1227/PGC11896/MAC,R=G	
NGC 1227			Galaxy (R)SB(s)0+	VF,VS
Feb 04 2005 31"	17mmT4		PF,MS,OVVAL,PATCH,UB,NND,PAIRS=1226/PGC11896/MAC,R=F	
NGC 1233			Galaxy Sb	F,VS,R,DIFF
Feb 04 2005 31"	17mmT4		MF,MS,LNUC,GBM,MHISB CNTR,PAIR=PGC11941,R=G	
NGC 1245		H25-6	Open Cluster II 2 r	CL,PL,RI,C,IR,*12.15
Oct 03 1981 12.5"	24mm		MF,ML,50-80*S	
Sep 03 1980 12.5"	24mm		GREAT!,LOOKS LIKE MINATURE BEEHIVE	
NGC 1250			Galaxy S0^: sp	VF,VS,R
Feb 04 2005 31"	17mmT4		PB,ML,OVVAL,PATCH,BLNUC,MHISB,R=G	
NGC 1257			Galaxy Sa	STELLAR NEB

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NGC 1257		Galaxy Sa	STELLAR NEB
Sep 27 2005 31"	17mmT4	MB,MS,EDGE ON,UB,NND,CLOSE TO *,SMWHT MHISB,PAIR=PGC12160,R=G	
NGC 1259		Galaxy S0	VF,S,R,VLBM
Sep 02 2005 31"	17mmT4	PF,PS,OVAL,FSNUC,F* ON EDGE,R=F	
NGC 1260		Galaxy S0/a: sp	VF,S,R
Sep 02 2005 31"	17mmT4	MB,MS,EL,BLNUC,LNUC AREA,R=G	
NGC 1264		Galaxy SBa-b	VF,S,VLBM
Sep 02 2005 31"	17mmT4	PF,MS,EL,UB,NND,F* OFF EDGE,R=F	
NGC 1265		Galaxy E+	VF,VS,MBM,
Sep 12 2002 12.5"	9mmT6	PB,PL,EB NUC,R,FACE ON,SUDDENDLY BM,ABELL426	
NGC 1267		Galaxy E+:	F,VS,R,STELL
Sep 12 2002 12.5"	9mmT6	DIF,VF,VS,OVAL,PATCH,UB,NND,ABELL426	
NGC 1268		Galaxy SAB(rs)b:	EF,S,LE,COM
Sep 12 2002 12.5"	9mmT6	EDIF,EF,VS,AV ONLY,LOC GOOD,ABELL426	
NGC 1270		Galaxy E:	VF,S,R
Sep 12 2002 12.5"	9mmT6	DIF,VFMPS,OVAL,*NUC,ABELL426	
Oct 03 1981 12.5"	12mm	EDIF,VF,ES,NUC DET,F*N 1 GLXY DIA,F*SUSP OTHER SIDE	
NGC 1271		Galaxy SB0?	VF,VS
Sep 12 2002 12.5"	9mmT6	VDIF,VF,PS,OVAL,PATCH,UB,NND,ABELL426	
NGC 1272		Galaxy E+	F,S,R
Sep 12 2002 12.5"	9mmT6	MB,PL,OVAL,SBM,ABELL426	
Aug 25 1982 12.5"	16mm	EDIF,EF,MS,R,SBM,CLOSE COMP/1275 AND 1278	
NGC 1273		Galaxy SA(r)0^?	VF,VS
Sep 12 2002 12.5"	9mmT6	VDIF,VF,VS,OVAL,PATCH,NND,UB,ABELL426	
NGC 1274		Galaxy E3	VF,VS
Sep 12 2002 12.5"	9mmT6	EDIF,VF,PS,OVAL,PATCH,ABELL426	
NGC 1275		H603-2 Galaxy Pec	F,S
Sep 12 2002 12.5"	9mmT6	PB,PL,BNUC,GMBM,OVAL,LNUC,HISB,ABELL426	
Aug 25 1982 12.5"	16mm	MB,ML,FNUC,F*N AND W,GMBM,R-OVAL,2 OTHER GLXY CLOSE BY/1272 AND 1278	
NGC 1276		Galaxy	VF,VS
Oct 12 2007 31"	17mmT4	VF,VS,PATCH,UB,CLOSE COMP=1278,R=P	
Sep 30 2005 31"	17mmT4	VF,PS,PATCH,VFSNUC,HEART OF ABELL 426,R=F	
NGC 1277		Galaxy S0+: pec	VF,VS,NP1278

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NGC 1277		Galaxy S0+: pec	VF,VS,NP1278
Sep 12 2002 12.5"	9mmT6	VDIF,PF,PS,PATCH,UB,NND,ABELL426	
NGC 1278		Galaxy E pec:	PB,PS,R,BM
Sep 27 2005 31"	17mmT4	PB,ML,R,FLNUC,MHISB CNTR,E CL FOV,R=G	
Sep 12 2002 12.5"	9mmT6	VDIF,PF,PS,PATCH,SMWHT BM,ABELL426	
Aug 25 1982 12.5"	16mm	VDIF,EF,MS,R,SBM,F*W EDGE,COMP 1272 AND 1275	
NGC 1279		Galaxy C	VF,VS
Sep 02 2005 31"	17mmT4	UNIDENTIFIED GLXY CLOSE BY,15TH MAG,PATCH,UB,NND,LOC GOOD,NO FIND,R=P	
NGC 1281		Galaxy E5	VF,S,*11P1'
Sep 12 2002 12.5"	9mmT6	VDIF,VF,VS,OVAL,PATCH,UB,NND,ABELL426	
NGC 1282		Galaxy E:	VF,S,LBMN
Sep 12 2002 12.5"	9mmT6	PF,MS,OVAL,SBM,F* ON OUTER EDGE,ABELL426	
NGC 1283		Galaxy E1:	VF,S,VLBM
Sep 12 2002 12.5"	9mmT6	PB,PS,OVAL,UB,PATCH,ABELL426	
NGC 1293		H574-3 Galaxy E0	VF,R,BM,NP OF 2
Sep 12 2002 12.5"	9mmT6	DIF,PF,MS,PATCH,UB,NND,ABELL426	
NGC 1294		H575-3 Galaxy SA0-?	VF,R,BM, SF OF 2
Sep 12 2002 12.5"	9mmT6	DIF,PF,MS,PATCH,UB,NND,ABELL426	
NGC 1330		Galaxy	VF ST IN VF,S NEB
Sep 27 2005 31"	17mmT4	PF,VS,PATCH,UB,NND,SHISB,2F*S IN EDGE,SHISB,R=F	
NGC 1333		Brn Nebula R	F,L,*10NF
Oct 18 2023 12.5"	17mmT4	(Lb 2),DIF,MB,PL,B CNTR *, FUZZY, BLUEISH,NEB DET IN OBLONG SHAPE ARND *, OFF CNTR,F NEB PATCHES IN AREAS,EDGES FADE,OIII NO GOOD,(11:27pm),R=FG	
Sep 27 2005 31"	17mmT4	PB,VL,REF NEB,NEB SUR *,B PATCH OF NEB CLOSE BY,L BG AREA GLOW,R=G	
NGC 1334		Galaxy S?	EF,PL,LBM
Sep 02 2005 31"	17mmT4	PF,MS,EL,FLNUC,VF* IN EDGE,R=F	
NGC 1335		Galaxy S0-:	VF,IN VF,ES NEB
Sep 02 2005 31"	17mmT4	PF,VS,EL,FSNUC,SHISB CNTR,R=F	
NGC 1342		H88-8 Open Cluster III 2 m	CL,VL,AB60*
Nov 13 2020 36"	55mm	(III 2 m),VB,VL,NICE FOV,STANDS OUT AGAINST FOV *S,EASILY DET,~50*S,SIM MAG,FEW B*S,(12:42am),R=FG	
Oct 03 1981 12.5"	24mm	VB,VL,~20*S,DISPURSED	
Sep 03 1980 12.5"	24mm	NOT SO GOOD,DOES NOT LIVE UP TO ASTRO CARD DESCRIPTION	
NGC 1348		H84-8 Open Cluster III 2 m	CL,LRI,ST L
Aug 10 2002 12.5"	25mm	PB,PL,* VARYING IN MAG,GRP NICELY	

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NGC 1444		H80-8	Open Cluster IV 1 p	CL OF AB30*12...14
Nov 13 2020	36"	17mmT4	(IV 2 p),VB,ML,B** IN CNTR HAS HINT OF NEB,~10**S VAR MAG,WIDELY SC,(1:09am),R=F	
Oct 03 1981	12.5"	24mm	MF,VS,SUR B DBL *,~10**S,SM	
Sep 03 1980	12.5"	24mm	POOR	
NGC 1465			Galaxy S0/a	PF,PS,R,PB*NR P
Sep 02 2005	31"	17mmT4	MF,VS,EL,SAMLL FNUC,R=F	
NGC 1491		H258-1	Brn Nebula E	VB,S,IF,BM,R,*INV
Oct 18 2023	12.5"	17mmT4	(Lb 1),DIF,MB,ML,GRAN,BLUEISH/GREEN,EL PATCHY NEB WITH A WEIRD SHAPE,EDGES FADE TO BLACK,OIII NO GOOD,(1:12am),R=G	
Aug 10 2002	12.5"	25mm	PB,PL,MHISB,IRR IN SHAPE,B NEB,L PATCH	
NGC 1496			Open Cluster III 2 p	CL,SEGMENT OF A RING
Nov 13 2020	36"	17mmT4	(III 2 p),VB,VL,~15**S SMWHT SIM MAG,ARRANED IN ARC SHAPE,FEW BTR **S,EASILY IDENT,(1:35am),R=F	
Sep 04 2005	31"	17mmT4	VB,VL,~20**S LOOSELY SC,SAME MAG,CL DET,R=G	
NGC 1499			Brn Nebula E	VF,VL,E NS,DIF
Oct 18 2023	12.5"	31mmT5	(Lb 1),DIF,MB,EEL,SVRL FOV'S,SCAN ENTIRE AREA,F PATCHES NEB DET,V RICH * FIELD,NEB FADES TO BLACK,WOULD BE BTR IN WIDE FIELD TELESCOPE,(1:07am),R=GE	
Sep 19 2012	36"	31mmT5	CALIFORNIA NEB,W/OIII,ABLE TO SLEW ENTIRE OUTLINE,MANY FOV'S WITH FINE NEB DETAIL,AWESOME,R=EE	
Sep 15 2012	6"	40mmEL	VF,EL,PATCH,W/HBETA FILTER ONLY WAY TO DET,DL'S COMET HUNTER SCOPE PERFECT FOR THE JOB,L RECT AREA,STANDS OUT WELL AGAINST BG,R=G	
NGC 1513		H60-7	Open Cluster II 1 m	CL,L,VRI,PC,ST VL
Oct 03 1981	12.5"	24mm	MB,ML,~40**S,DARK PATCH IN CNTER,U SHAPED	
Sep 03 1980	12.5"	24mm		
NGC 1528		H61-7	Open Cluster II 2 m	CL,B,VRI,CC
Oct 03 1981	12.5"	24mm	VB,VL,ONE HALF CL BTR THAN OTHER,~50**S	
Sep 03 1980	12.5"	24mm		
Jul 17 1980	12.5"	24mm		
NGC 1545		H85-8	Open Cluster IV 2 p	CL,PRI,LC,ST L
Oct 03 1981	12.5"	24mm	MB,ML,TRI OF B**S IN CNTER,~20**S,SPREAD OUT THIN	
Sep 03 1980	12.5"	24mm		
NGC 1548			Open Cluster IV 1 p	CL,VL,LRI,LC,*10..12
Sep 27 2005	31"	17mmT4	VB,EEL,10-15**S VAR MAG,NO CL DET,WORST OC TO DATE,R=PP	
NGC 1579		H217-1	Brn Nebula R	PB,VL,IR,MBM,*8 2'NF
Oct 18 2023	12.5"	17mmT4	(Lb 1),DIF,MB,MS,B GREENISH PATCHY NEB,MBM,F* ARND NEB,WITH 12MM,PATCH IF BKN WITH S PATCH TO SIDE,OIII NO GOOD,(1:59am),R=G	
Sep 27 2005	31"	17mmT4	VB,VL,PATCH,UB,MHISB,EM NEB,PATCHY,B PATCHES DET,IRR IN SHAPE,R=G	
Aug 10 2002	12.5"	16mm	PB,PL,B NEB,MHISB,NO **S,UB	
Aug 10 2002	12.5"	9mmT6	PATCH,UB	
NGC 1582		H70-8	Open Cluster IV 2 p	CL,VL,PRI,LC,ST L

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NGC 1582		H70-8	Open Cluster IV 2 p	CL,VL,PRI,LC,ST L
Aug 10 2002 12.5"	25mm	EL,VB,30-40*S,LOOSELY SC,MAG 7-9		
NGC 1605		H26-6	Open Cluster III 1 m	CL,VF,PS,C,ST ES
Aug 10 2002 12.5"	24mm	ML,VF,NOT WELL DEFINED,R IN SHAPE		
NGC 1624		H49-5	Open Cluster II 1 p n	F,CL,IF,60R7*+NEB
Aug 10 2002 12.5"	24mm	MS,PF,TIGHT GRP,STANDS OUT WELL,20*S,RSLV		
PGC 6619			Galaxy C	
Sep 02 2008 31"	17mmT4	DIF,VF,PS,OVAL,PATCH,UB,R=P		
PGC 10427			Galaxy	
Feb 05 2005 31"	17mmT4	EF,PS,PATCH,UB,NND,PAIR=ABELL4,R=F		
PGC 10663			Galaxy S	
Feb 04 2005 31"	17mmT4	PF,MS,EL,PATCH,UB,NND,R=F		
PGC 10717			Galaxy S	
Feb 04 2005 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,B* IN FOV,COMP=MAC,R=F		
PGC 10753			Galaxy Multi-Galaxy	
Feb 04 2005 31"	17mmT4	DIF,EF,MS,PATCH,UB,NND,R=P		
PGC 10770			Galaxy Sa	
Feb 04 2005 31"	17mmT4	MF,MS,OVAL,FLNUC,VF* IN EDGE,PAIR=MAC,R=F		
PGC 10953			Galaxy E/S0	
Feb 04 2005 31"	17mmT4	VF,ES,R,* NUC,COMP=1129,NGC1129 CL,R=F		
PGC 10962			Galaxy	
Feb 04 2005 31"	17mmT4	VDIF,EF,MS,EDGE ON,UB,NND,NGC1129 CL,R=P		
PGC 10970			Galaxy C	
Feb 04 2005 31"	17mmT4	EF,VS,PATCH,UB,NND,NGC1129 CL,R=P		
PGC 10980			Galaxy C	
Feb 04 2005 31"	17mmT4	MF,MS,OVAL,FLNUC,NGC1129 CL,R=F		
PGC 11369			Galaxy IAm	
Nov 11 2009 31"	17mmT4	MF,PS,OVAL,VBSNUC,AGC407,R=F		
PGC 11434			Galaxy Compact group	
Nov 11 2009 31"	17mmT4	PF,MS,PATCH,NND,F* OFF EDGE,BARELY TOUCH MAC,AGC 407,R=F		
PGC 11437			Galaxy SB(r)0/a	
Nov 11 2009 31"	17mmT4	MF,MS,R,BSNUC,L HALO AREA SUR NUC,AGC 407,R=F		

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PGC 11444		Galaxy Double System
Nov 11 2009 31"	17mmT4	PF,PS,EL,PATCH,UB,NND,TOUCH = MAC,AGC 407,R=F
PGC 11447		Galaxy S?
Oct 09 2010 31"	17mmT4	MF,MS,EL-EDGE ON,UB,NND,SHISB,ONE SIDE THICKER THAN OTHER,F* OFF TIP,AGC 407,R=F
PGC 11669		Galaxy
Feb 04 2005 31"	17mmT4	MF,PS,OVAL,BLNUC,F*S BOTH SIDES,MHISB CNTR,R=F
PGC 11679		Galaxy Sab
Feb 05 2005 31"	17mmT4	PF,MS,OVAL,PATCH,UB,F* IN GLXY,R=F
PGC 11863		Galaxy S0?
Oct 12 2007 31"	17mmT4	EF,ES,PATCH,*NUC,R=P
PGC 11896		Galaxy E?
Feb 04 2005 31"	17mmT4	PF,PS,OVAL,PATCH,FSNUC,PAIRS=1226/1227/MAC,R=F
PGC 11941		Galaxy
Feb 04 2005 31"	17mmT4	EF,ES,SUSP,LOC GOOD,PAIR=1233,R=P
PGC 12132		Galaxy SAB(s)d
Feb 05 2005 31"	17mmT4	DIF,VF,VL,OVAL,PATCH,UB,NND,PAIRS=IC309/MAC,R=F
PGC 12160		Galaxy
Sep 27 2005 31"	17mmT4	PF,PS,PATCH,PATCHY NUC,VF* ON EDGE,ANOTHER OPPOSITE SIDE,PAIR=1257,R=F
PGC 12185		Galaxy Sa?
Sep 02 2005 31"	17mmT4	MF,VS,EL,BSNUC,PAIR=IC310,R=F
Sep 02 2005 31"	17mmT4	MF,VS,EL,FSNUC,R=F
PGC 12254		Galaxy
Sep 02 2005 31"	17mmT4	MF,VS,EL,FLNUC,R=F
PGC 12288		Galaxy
Sep 12 2002 12.5"	9mmT6	VDIF,PF,PS,EL,VF* IN EDGE OF GLXY,ABELL426
PGC 12397		Galaxy Sc?
Sep 12 2002 12.5"	9mmT6	EEDIF,EF,ES,PATCH,AV,LOC GOOD,ABELL426
PGC 12430		Galaxy
Sep 12 2002 12.5"	9mmT6	EDIF,EF,PS,PATCH,OVAL,UB,NND,ABELL426
PGC 12576		Galaxy S
Sep 02 2005 31"	17mmT4	EF,ES,PATCH,NND,PATCHY PART OF IC316,R=P
PGC 12816		Galaxy Sb

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PGC 12816		Galaxy Sb
Sep 02 2005 31"	17mmT4	VDIF,VF,PL,EDGE ON,PATCH,UB,NND,THIN SLIVER,R=P
PGC 12960		Galaxy
Sep 02 2005 31"	17mmT4	PF,VS,EL,PATCH,FSNUC,R=P
PGC 13884		Galaxy Sbc
Dec 20 2003 31"	17mmT4	DIF,VF,VS,PATCH,UB,NND,R=P
PGC 14033		Galaxy Scd
Sep 02 2005 31"	17mmT4	DIF,PF,ML,OVAL,PATCH,UB,NND,PAIR=PGC14034,R=P
PGC 14034		Galaxy S?
Sep 02 2005 31"	17mmT4	DIF,PF,ML,OVAL,PATCH,UB,NND,PAIR=PGC14033,R=P
PGC 14455		Galaxy S
Sep 04 2005 31"	17mmT4	DIF,VF,PS,OVAL,PATCH,UB,NND,R=P
PGC 14951		Galaxy S
Sep 27 2005 31"	17mmT4	PF,PS,PATCH,UB,NND,CLOSE TO *,R=F
SH2 210		Brt Nebula E
Oct 18 2023 12.5"	17mmT4	(Lb 4),DIF,SCANNED AREA,SUSP SLT CHANGE VS BG,V RICH * FIELD,AV,(2:08am),R=P
SH2 212		Brt Nebula E
Oct 18 2023 12.5"	17mmT4	(Lb 1),DIF,MB,MS,PATCHY GREENISH NEB SUR NGC 1624,~10*S,OIII NO GOOD,(2:13am).R=G
SH2 216		Planetary Neb 3
Sep 19 2012 36"	31mmT5	W/OIII,SCANNED AREA ESP E END OF SUSP OBJ,AT MOST COULD ONLY SUSP SOME HINT OF EF GLOW JUST SLT BTR THAN BG,AFTER SVRL FOV'S NOTICED SOME DARKENING OF BG,SUSP,R=P
STOCK4		Open Cluster IV 1 p
Nov 13 2020 36"	55mm	(IV 1 p),EB,EL,FOV NICE,~20*S,SAME MAG,WIDELY SC,SIM TO FIELD *S,(10:21pm),R=PF

Pisces Australis - The Southern Fish

IC 5131		Galaxy SB0-	
Nov 13 2023	12.5" 12mmT4	VF,MS,PATCH,NND,PAIR=N7130,R=P	
IC 5157		Galaxy E:	
Nov 13 2023	12.5" 12mmT4	VF,VS,R,SFNUC,R=P	
IC 5168		Galaxy SB(s)c: sp	
Sep 04 2005	31" 17mmT4	EDIF,EF,MS,PATCH,AV,PAIRS=PGC'S,R=P	
IC 5271		Galaxy Sb?	
Sep 27 1981	12.5" 16mm	F*NW 1 GLXY DIA,UB,STILL NO NUC SUSP	
Sep 27 1981	12.5" 24mm	DIF,VF,MS,EL,NO NUC SUSP	
NGC 7130		Galaxy Sa pec	PB,S,R,GLBM
Nov 13 2023	12.5" 12mmT4	MF,MS,PATCH,SFNUC,PAIR=IC5131,R=PF	
NGC 7135		Galaxy SA0- pec	PB,PL,R,VGBM,*14ATTP
Nov 13 2023	12.5" 12mmT4	EF,MS,PATCH,NND,AV,R=P	
NGC 7154		Galaxy SB(s)m pec:	B,PL,IR,GLBM,R
Nov 13 2023	12.5" 12mmT4	EF,VS,LOC GOOD,AV,SUSP,R=P	
NGC 7172		Galaxy Sa pec sp	PB,PL,LE,GBM,1ST OF4
Sep 04 2005	31" 17mmT4	PB,VL,OVAL,FLNUC,PATCHY,PAIRS=NGC'S,R=G	
NGC 7173		Galaxy E+ pec:	CB,CS,R,SBM*,2ND OF4
Sep 04 2005	31" 17mmT4	PB,PL,R,BLNUC,GMBM,MHISB,PAIRS=NGC'S,COMP=7174,R=G	
NGC 7174		Galaxy Sab pec sp	CF,S,R,P OFDNEB,3OF4
Sep 04 2005	31" 17mmT4	PF,PL,EDGE ON,UB,NND,STICKING OUT OF NGC7173,PAIRS=NGC'S,R=F	
NGC 7176		Galaxy E pec:	B,PL,R,FOF DNEB,4OF4
Sep 04 2005	31" 17mmT4	PB,PL,R,BLNUC,GMBM,MHISB,PAIRS=NGC'S,R=G	
NGC 7214		Galaxy SB(s)bc pec:	GCL,PL,IR,RR
Sep 04 2005	31" 17mmT4	MF,MS,R,BSNUC,PAIRS=PGC'S,R=F	
NGC 7221		Galaxy SB(rs)bc pec:	F,S,R,GBM,R,2VS*NR
Nov 13 2023	12.5" 12mmT4	MF,MS,EL,PATCH,UB,NND,R=P	
NGC 7259		Galaxy Sb	EF,PL,R,VLBM
Aug 03 2013	36" 17mmT4	PF,MS,R,NND,PAIR=PGC,R=PF	
NGC 7267		Galaxy (R')SB(rs)a pec	CB,PS,VLE,GLBM,***SP
Nov 13 2023	12.5" 12mmT4	EF,MS,PATCH,UB,COMES AND GOES,AV,R=P	
NGC 7314		Galaxy SAB(rs)bc	CF,L,ME0,VLBM

Pisces Australis - The Southern Fish

NGC 7314		Galaxy SAB(rs)bc	CF,L,ME0,VLBM
Sep 27 1981	12.5" 16mm	DIF,MB,ML,PATCHY,*E SIDE,OVAL,NND,UB	
NGC 7361		Galaxy S(r)c:?	F,PL,VME0,VGVLBM
Jul 10 1981	12.5" 24mm	DIF,EEF,ML,NOT SEEN FOR SURE	
Sep 10 1980	12.5" 24mm	STELL IN APPEARANCE	
PGC 67158		Galaxy Sbc: sp	
Aug 03 2013	36" 17mmT4	MF,ML,EDGO ON,UB,NND,PA~0,2F*S ONE EDGE,* OTHER EDGE,SLT BULGE,R=F	
PGC 68155		Galaxy S0	
Sep 04 2005	31" 17mmT4	PF,PS,PATCH,FSNUC,PAIRS=PGC'S/7214,R=F	
PGC 68160		Galaxy S?	
Sep 04 2005	31" 17mmT4	DIF,VF,MS,PATCH,UB,NND,PAIRS=PGC'S/7214,R=P	
PGC 68164		Galaxy S?	
Sep 04 2005	31" 17mmT4	VDIF,VF,MS,EL,PATCH,UB,NND,PAIRS=PGC'S/7214,R=P	
PGC 68345		Galaxy Sc: sp	
Aug 03 2013	36" 17mmT4	PF,ML,EDGE ON,UB,PA~150,SMWHT CNTR BULGE,SMWHT BARREN FOV,R=PF	
PGC 68726		Galaxy Scd:sp	
Aug 03 2013	36" 17mmT4	EF,PS,EDGE ON,UB,NND,PA~50,F* OFF SIDE OF TIP,PAIR=7259,AV TOOK A WHILE THEN HOLDS,R=P	

Pisces - The Fishes

IC 3		Galaxy E/S0
Dec 12 2012 36"	17mmT4	MF,VS,R,BSNUC,GMBM,R=F
IC 12		Galaxy S
Sep 27 2013 36"	17mmT4	PF,PS,OVAL,FLNUC,VF* OFF SIDE,PAIR=PGC1300,R=F
IC 13		Galaxy Sbc
Sep 27 2013 36"	17mmT4	VF,MS,EL-EDGE ON,UB,NND,R=F
IC 31		Galaxy Sa
Sep 27 2013 36"	17mmT4	MF,MS,EDGE ON,UB,NND,THIN SLIVER,R=F
IC 34		Galaxy SB(r)a
Sep 27 2013 36"	17mmT4	MB,ML,OVAL,FLNUC,GMBM,R=FG
IC 35		Galaxy Scd:
Sep 27 2013 36"	17mmT4	PF,MS,OVAL,PATCH,NND,SOME GRAN,R=F
IC 101		Galaxy S?
Dec 12 2012 36"	17mmT4	PF,MS,OVAL,PATHY,NND,PAIR=IC102,R=F
IC 102		Galaxy S0/a
Dec 12 2012 36"	17mmT4	PF,MS,OVAL,PATCH,NND,PAIR=IC101,R=F
IC 114		Galaxy S0
Dec 12 2012 36"	17mmT4	VF,VS,PATCH,UB,NND,R=PF
IC 154		Galaxy Sb
Sep 04 2002 12.5"	9mmT6	DIF,PF,MS,EL,UB,F* ON EDGE OF GLXY
IC 156		Galaxy S?
Sep 04 2002 12.5"	9mmT6	VDIF,MF,PS,PATCH,UB,NND
IC 162		Galaxy S0
Nov 17 2012 36"	17mmT4	MF,MS,R,FLNUC,SHISB CNTR,PAIRS=OTHERS,R=F
IC 1455		Galaxy SBa
Sep 16 2009 31"	17mmT4	MB,ML,R,BLNUC,SBM,R=G
IC 1460		Galaxy E2 pec?
Sep 16 2009 31"	17mmT4	MB,MS,R,BLNUC,SHISB CNTR,R=G
IC 1467		Galaxy Sc
Sep 16 2009 31"	17mmT4	MF,MS,EL,UB,NND,R=F
IC 1468		Galaxy (R')SAB0+ pec:
Sep 16 2009 31"	17mmT4	MF,MS,EL,FLNUC,R=F

Pisces - The Fishes

IC	1474		Galaxy Scd:
Sep 17 2009	31"	17mmT4	MF,MS,OVAL,UB,NND,R=G
IC	1481		Galaxy S?
Nov 11 2009	31"	17mmT4	MB,ML,OVAL,LNUC,SHISB,B* CLOSE BY,GLXY STILL HISB,R=G
IC	1482		Galaxy C
Nov 11 2009	31"	17mmT4	PF,PS,OVAL,FSNUC,R=F
IC	1492		Galaxy SB0+?
Sep 12 2012	36"	17mmT4	MB,MS,R,BLNUC,HISB CNTR,GMBM,R=FG
IC	1496		Galaxy (R)SB(rs)0/a
Sep 12 2012	36"	17mmT4	BM,MS,OVAL,FLNUC,R=FG
IC	1501		Galaxy SAB(s)bc pec:
Sep 19 2012	36"	17mmT4	PF,ML,OVAL,UB,NND,R=F
IC	1527		Galaxy Sb
Oct 12 2012	36"	17mmT4	MF,PS,OVAL,LVFNUC,R=F
IC	1549		Galaxy S?
Sep 27 2013	36"	17mmT4	PF,MS,EL,FLNUC,SOME GRAN,R=F
IC	1551		Galaxy S?
Sep 27 2013	36"	17mmT4	MF,MS,PATCH,UB,NND,R=F
IC	1552		Galaxy S
Sep 27 2013	36"	17mmT4	MF,MS,EDGE ON,UB,NND,R=F
IC	1564		Galaxy SABbc:
Sep 28 2013	36"	17mmT4	MB,MS,OVAL,UB,NND,SHISB,R=F
IC	1565		Galaxy S?
Sep 27 2013	36"	17mmT4	MB,MS,OVAL,FLNUC,SHISB,AGC76,R=F
IC	1566		Galaxy E/S0
Sep 27 2013	36"	17mmT4	MF,MS,EL-OVAL,FLNUC,SHISB,AGC76,R=F
IC	1568		Galaxy S0
Sep 27 2013	36"	17mmT4	MF,MS,OVAL-R,FSNUC,AGC76,R=F
IC	1569		Galaxy S0
Sep 28 2013	36"	17mmT4	MF,MS,OVAL,BLNUC,BM,AGC76,R=F
IC	1687		Galaxy S?
Sep 12 2012	36"	17mmT4	PF,VS,R,VBSNUC,PAIRS=OTHERS,NICE FOV,R=F

Pisces - The Fishes

IC	1687		Galaxy S?
	Sep 04 2002 12.5"	9mmT6	EDIF,VF,ES,PATCH,B* CLOSE BY,F* CLOSE TO EDGE
IC	1689		Galaxy S0?
	Sep 12 2012 36"	17mmT4	PF,VS,OVAL,FLNUC,R=F
	Sep 04 2002 12.5"	9mmT6	DIF,VF,PS,EL,UB,NND,PATCH
IC	1690		Galaxy S0
	Sep 12 2012 36"	17mmT4	MF,PS,OVAL,FSNUC,PAIRS=OTHERS,NICE FOV,R=F
	Sep 04 2002 12.5"	9mmT6	VDIF,VF,MS,EL,SMWHT BM,PATCH
IC	5287		Galaxy (R')SB(r)b
	Sep 17 2009 31"	17mmT4	MF,PS,OVAL,PATCH,UB,NND,R=F
IC	5309		Galaxy Sb
	Nov 11 2009 31"	17mmT4	PF,PS,EDGE ON,UB,NND,* IN EDGE,R=F
IC	5351		Galaxy E?
	Sep 17 2009 31"	17mmT4	MF,MS,OVAL,VBSNUC,* IN GLXY,SN?,GOOD HICKSON,R=F
IC	5356		Galaxy S?
	Sep 17 2009 31"	17mmT4	MB,ML,OVAL,FLNUC,SHISB CNTR,GOOD HICKSON,R=G
IC	5357		Galaxy SAB0- pec:
	Sep 17 2009 31"	17mmT4	MB,ML,OVAL,FLNUC,SHISB CNTR,GOOD HICKSON,R=G
IC	5359		Galaxy S?
	Sep 17 2009 31"	17mmT4	PF,ML,EDGE ON,UB,NND,GOOD HICKSON,R=F
IC	5374		Galaxy S?
	Oct 12 2012 36"	17mmT4	MF,MS,EL,NND,PAIR=IC5375,R=F
IC	5375		Galaxy S?
	Oct 12 2012 36"	17mmT4	MF,MS,EL,FLNUC,SLT BM,PAIR=IC 5374,R=F
MAC	0002+0259		Galaxy
	Oct 12 2012 36"	17mmT4	VF,PS,PATCH,UB,PAIR=GNC7809,R=P
MAC	0011-0530		Galaxy
	Dec 12 2012 36"	17mmT4	VF,VS,PATCH,NND,R=PF
MAC	0030+0509		Galaxy
	Sep 19 2012 36"	17mmT4	VF,PS,PATCH,UB,AV FIRST THEN HOLDS,PAIRS=NGC'S,R=P
MAC	0039+0331		Galaxy
	Sep 28 2013 36"	17mmT4	MF,MS,OVAL,UB,NND,KEEP URANUS OUT OF FOV,R=F

Pisces - The Fishes

MAC 0039+0635C Galaxy
Sep 28 2013 36" 17mmT4 VF,VS,PATCH,TOOK AV A WHILE THEN HOLDS,AGC76,R=P

MAC 0039+0639 Galaxy
Sep 28 2013 36" 17mmT4 VF,PS,PATCH,UB,AGC76,R=P

MAC 0039+0641A Galaxy
Sep 28 2013 36" 17mmT4 MF,MS,PATCH,UB,NND,AGC76,R=F

MAC 0039+0641B Galaxy
Sep 28 2013 36" 17mmT4 EF,PS,V CLOSE TO *,AV COMES AND GOES,AGC76,R=P

MAC 0039+0642A Galaxy
Sep 28 2013 36" 17mmT4 EF,VS,PATCH,AV FIRST THEN HOLDS,AGC76,R=P

MAC 0039+0642B Galaxy
Sep 28 2013 36" 17mmT4 VF,PS,PATCH,NND,AV TOOK A WHILE,HARD TO HOLD,AGC76,R=P

MAC 0039+0643A Galaxy
Sep 28 2013 36" 17mmT4 EF,VS,PATCH,AV COMES AND GOES,VF* CLOSE BY,AGC76,R=P

MAC 0039+0643B Galaxy
Sep 28 2013 36" 17mmT4 PF,PS,PATCH,AGC76,R=PF

MAC 0039+0645 Galaxy
Sep 28 2013 36" 17mmT4 MF,PS,OVAL,FSNUC,AGC76,R=F

MAC 0039+0646A Galaxy
Sep 27 2013 36" 17mmT4 EF,ES,BARELY DET,NEXT TO *,AGC76,R=P

MAC 0039+0646B Galaxy
Sep 28 2013 36" 17mmT4 PF,PS,PATCH,AGC76,R=PF

MAC 0039+0651A Galaxy
Sep 27 2013 36" 17mmT4 VF,VS,AGC76,R=PF

MAC 0039+0651B Galaxy
Sep 28 2013 36" 17mmT4 VF,VS,PATCH,V CLOSE TO IC 1568,ALM TOUCH,CAN SEP,AGC76,R=F

MAC 0040+0637 Galaxy
Sep 28 2013 36" 17mmT4 VF,PS,PATCH,AGC76,R=P

MAC 0040+0641B Galaxy
Sep 28 2013 36" 17mmT4 PF,PS,PATCH,FSNUC,AGC76,R=F

MAC 0040+0642 Galaxy
Sep 28 2013 36" 17mmT4 EF,VS,PATCH,AV COMES AND GOES, HARD TO HOLD,AGC76,R=P

Pisces - The Fishes

MAC 0040+0644A Galaxy
Sep 28 2013 36" 17mmT4 VF,VS,PATCH,AV FIRST THEN HOLDS,AGC76,R=P

MAC 0040+0645 Galaxy
Sep 28 2013 36" 17mmT4 PF,MS,PATCH,AGC76,R=F

MAC 0040+0650A Galaxy
Sep 27 2013 36" 17mmT4 VF,VS,PATCH,NND,AGC76,R=PF

MAC 0040+0651A Galaxy
Sep 27 2013 36" 17mmT4 EF,VS,PATCH,AV COMES AND GOES,AGC76,R=P

MAC 0040+0653 Galaxy
Sep 27 2013 36" 17mmT4 VF,VS,PATCH,NND,AGC76,R=PF

MAC 0040+0657A Galaxy
Sep 27 2013 36" 17mmT4 EF,VS,PATCH,AGC76,R=P

MAC 0106+3225 Galaxy
Sep 18 2009 31" 17mmT4 PF,VS,PATCH,UB,NND,PAIRS=OTHER NGC'S,R=P

MAC 0107+3215 Galaxy
Sep 18 2009 31" 17mmT4 PF,PS,PATCH,UB,NND,PAIRS=OTHER NGC'S,R=P

MAC 0107+3220 Galaxy
Sep 18 2009 31" 17mmT4 VF,VS,PATCH,UB,NND,AV FIRST THEN HOLDS,PAIRS=OTHER NGC'S,R=P

MAC 0107+3222 Galaxy
Sep 18 2009 31" 17mmT4 EF,VS,PATCH,AV ONLY ONCE,SUSP,PAIRS=OTHER NGC'S,R=P

MAC 0109+1419B Galaxy
Sep 18 2009 31" 17mmT4 PF,PS,OVAL,FSNUC,PAIRS=PGC'S,R=F

MAC 0117+1437 Galaxy
Sep 18 2009 31" 17mmT4 VF,PS,OVAL,UB,NND,R=P

MAC 0117+1442 Galaxy
Sep 18 2009 31" 17mmT4 MF,PS,R,BSNUC,TOUCH=PGC4645,CAN JUST BARELY SEP THE TWO,R=F

MAC 0117+1442A Galaxy
Sep 18 2009 31" 17mmT4 EF,VS,PATCH,AV ONLY A FEW TIMES,PAIRS=PGC4645/MAC,R=P

MAC 0119+1230 Galaxy
Sep 18 2009 31" 17mmT4 VF,VS,PATCH,UB,NND,PAIR=PGC4728,R=P

MAC 0120+1217 Galaxy
Sep 18 2009 31" 17mmT4 EF,VS,PATCH,AV ONLY A FEW TIMES,PAIR=PGC4789,R=P

Pisces - The Fishes

MAC 0123+3046		Galaxy
Sep 19 2009 31"	17mmT4	PF,PS,OVAL,UB,NND,PAIR=PGC5085,R=P
MAC 0123+3305		Galaxy
Sep 12 2012 36"	17mmT4	VF,VS,OVAL,PATCH,UB,R=P
MAC 0123+3311		Galaxy
Sep 12 2012 36"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=OTHERS,NICE FOV,R=F
MAC 2252+0103		Galaxy
Sep 16 2009 31"	17mmT4	PF,PS,R,BSNUC,R=F
MAC 2252+0106		Galaxy
Sep 16 2009 31"	17mmT4	VF,PS,PATCH,UB,PAIR=7396,R=P
MAC 2305+0232		Galaxy
Sep 16 2009 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,PAIRS=7478/7489,R=P
MAC 2305+0306		Galaxy
Sep 16 2009 31"	17mmT4	VF,PS,PATCH,UB,NND,PAIRS=7472/PGC70466,R=P
MAC 2310+0732		Galaxy
Sep 17 2009 31"	17mmT4	VF,VS,PACH,UB,NND,PAIRS=MANY OTHERS,R=P
MAC 2310+0732A		Galaxy
Sep 17 2009 31"	17mmT4	EF,VS,PATCH,NND,AV TOOK A WHILE THEN HOLDS,PAIRS=MANY OTHERS,R=P
MAC 2310+0732B		Galaxy
Sep 17 2009 31"	17mmT4	EF,ES,AV COMES AND GOES,ALM *,PAIRS=MANY OTHERS,R=P
MAC 2310+0734		Galaxy
Sep 17 2009 31"	17mmT4	EF,VS,PATCH,NND,AV TOOK A WHILE THEN HOLDS,PAIRS=MANY OTHERS,R=P
MAC 2310+0734A		Galaxy
Sep 17 2009 31"	17mmT4	VF,VS,PATCH,UB,NND,JUST OFF EDGE OF 7499,PAIRS=MANY OTHERS,R=P
MAC 2310+0735C		Galaxy
Sep 17 2009 31"	17mmT4	EF,VS,PATCH,UB,NND,AV FIRST THEN HOLDS,PAIRS=MANY OTHERS,R=P
MAC 2310+0736A		Galaxy
Sep 17 2009 31"	17mmT4	EF,VS,PATCH,UB,NND,AV FIRST THEN HOLDS,PAIRS=MANY OTHERS,R=P
MAC 2310+0737		Galaxy
Sep 17 2009 31"	17mmT4	VF,VS,PATCH,NND,PAIRS=MANY OTHERS,R=P
MAC 2314-0205		Galaxy
Sep 17 2009 31"	17mmT4	PF,PS,EL,UB,NND,PAIR=7533,R=P

Pisces - The Fishes

MAC 2315-0219		Galaxy	
Sep 17 2009 31"	17mmT4	EF,VS,PATCH,TOOK A WHILE FOR AV,AV COMES AND GOES,R=P	
MAC 2315-0223A		Galaxy	
Sep 17 2009 31"	17mmT4	PF,PSOVAL,FSNUC,PAIRS=7554/7556/MAC,R=F	
MAC 2315-0226B		Galaxy	
Sep 17 2009 31"	17mmT4	VF,VS,PATCH,NND,AV FIRST THEN HOLDS,PAIRS=7554/7556/MAC,R=P	
MAC 2317+0725		Galaxy	
Nov 11 2009 31"	17mmT4	VF,VS,PVAL,PATCH,UB,NND,PAIRS=7583/7604,TOOK AV A WHILE TO HOLD,R=P	
Sep 17 2009 31"	17mmT4	VF,VS,PATCH,UB,NND,AV FIRST THEN HOLDS,PAIRS=7583/7604,R=P	
MAC 2320+0134		Galaxy	
Nov 11 2009 31"	17mmT4	VF,VS,PATCH,NND,AV COMES AND GOES,JUST BARELY SEP THE TWO,PAIR=PGC71130,R=P	
MAC 2325+0001		Galaxy	
Nov 11 2009 31"	17mmT4	EF,ES,PATCH,AV ONLY A FEW TIMES,PAIR=PGC71381,R=P	
MAC 2328+0330		Galaxy	
Sep 17 2009 31"	17mmT4	VF,VS,PATCH,NND,PAIRS=7679/7682,R=P	
MAC 2330+0005		Galaxy	
Sep 12 2012 36"	17mmT4	EF,ES,TOOK AV AWHILE,PAIRS=7684/PGC71611,R=P	
MAC 2330-0227		Galaxy	
Sep 12 2012 36"	17mmT4	VF,VS,EL,INTRACT=PGC71610,CANNOT SEP,APPEARS ELR=FG	
MAC 2354+0021		Galaxy	
Sep 11 2012 36"	17mmT4	EF,ES,OTHER HICKSON 98 MEMBERS PRESENT,NICE GRP,ONLY SUSP AFTER SVRL MINUTES,R=P	
NGC 3		Galaxy S0?	F,VS,R,ALMSTEL
Sep 16 2009 31"	17mmT4	PB,PS,BSNUC,MHISB,R=G	
NGC 4		Galaxy	EF
Sep 16 2009 31"	17mmT4	VF,VS,R,BVSNUC,ALM *NUC,R=P	
NGC 12		H868-3 Galaxy SAB(rs)c:	EF,PL,VGLBM
Dec 12 2012 36"	17mmT4	DIF,PF,MS,R,NND,VF* OFF W SIDE,R=F	
NGC 36		H456-3 Galaxy SAB(rs)b	VF,PS,IF
Dec 12 2012 36"	17mmT4	MF,MS,OVAL-R,FSNUC,TOUCH=PGC797,GRAN,R=F	
NGC 38		Galaxy (R)SAa:	F,S,R,MBM
Dec 12 2012 36"	17mmT4	MB,MS,OVAL,BLNUC,F HALO,GRAD MBM,HISB CNTR,R=F	
NGC 57		H241-2 Galaxy E	F,S,R,SBM

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NGC 57 Sep 27 2013 36"	17mmT4	H241-2 PB,ML,R,BLNUC,F HALO,GMBM,HISB,R=G	Galaxy E	F,S,R,SBM
NGC 61A Sep 19 2020 36"	17mmT4	H428-3 MF,MS,OVAL,BSNUC,SBM,MHISB,TOUCH=N61B,R=G	Galaxy S0 pec?	VF,S,IR,PSVLBM
NGC 61B Sep 19 2020 36"	17mmT4	H428-3 PF,PS,OVAL,BSNUC,SHISB,SBM,TOUCH=N61A,R=FG	Galaxy S0	VF,S,IR,PSVLBM
NGC 63 Sep 27 2013 36"	17mmT4	H428-3 PB,ML,EL,FLNUC,SHISB,GRAN LIKE,R=G	Galaxy S pec	PF,S,R,SBM
NGC 75 Sep 27 2013 36"	17mmT4	H428-3 MB,MS,R,UB,HARD TO TELL NUC SIZE,R=F	Galaxy S0	VF,VS,R
NGC 78A Sep 27 2013 36"	17mmT4	H428-3 PF,PS,EL,UB,NND,CAN BE SEP,D,PAIR=NGC78B,R=F	Galaxy SB0a	VF,S,R
NGC 78B Sep 27 2013 36"	17mmT4	H428-3 PF,PS,OVAL,BLNUC,CAN BE SEP,D,PAIR=NGC78A,SHISB,R=F	Galaxy S0^ pec?	
NGC 95 Sep 24 1981 12.5"	16mm	H257-2 VDIF,VF,VS,F* TO E 1 GLXY DIA,NEC SUSPECTED,PATCHY	Galaxy SAB(rs)c pec	F,PL,R,GBM
NGC 99 Sep 27 2013 36"	17mmT4	H257-2 MF,ML,OVAL-R,NND,F*OFF SIDE,R=F	Galaxy Scd:	VF,PL,R,GBM
NGC 100 Nov 17 2012 36"	17mmT4	H257-2 MF,ML,EDGE ON,UB,NND,SHISB,SLT BULGE,PA~50,R=G	Galaxy Scd: sp	VF,PS,ME
NGC 105 Sep 27 2013 36"	17mmT4	H257-2 MF,ML,OVAL,PATCH,UB,NND,MHISB,*OFF ONE SIDE,R=G	Galaxy SAab:	VF,S,R,VLBM
NGC 106 Sep 27 2013 36"	17mmT4	H257-2 MF,MS,OVAL,BLNUC,GBM,R=F	Galaxy Sc	PF,VS,R,LBM
NGC 125 Sep 04 2002 12.5" Sep 04 2002 12.5"	16mm 9mmT6	H869-3 DIF,PF,PS,PATCH,NND,2F*S ONE EDGE,GRP OF GLXY HISB,B CNTR BULGE,R	Galaxy (R)SA0+ pec:	VF,S,BM,D*SP
NGC 126 Sep 04 2002 12.5"	9mmT6	H869-3 EDIF,VF,VS,PATCH,UB,BTR THAN 130 AND 127,GRP OF GLXY	Galaxy SB0^?	VF,S,LE,
NGC 127 Sep 04 2002 12.5"	9mmT6	H869-3 EEDIF,EF,VS,COMP=128,AV,PATCH,GRP OF GLXY	Galaxy SA0^:	VF,VS,R,P 128
NGC 128		H854-2	Galaxy S0 pec sp	PB,PS,LE2,BM

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NGC 128		H854-2	Galaxy S0 pec sp	PB,PS,LE2,BM
Sep 04 2002 12.5"	16mm	MF,ML,EL,HISB,L	NEC BULGE,TAPERED,GRP OF GLXY	
Sep 24 1981 12.5"	16mm	DIF,MF,VS,FNUC,	SOME F*S IN AREA,SBM	
NGC 130			Galaxy SA0-:	VF,VS,R,F 128
Sep 04 2002 12.5"	9mmT6	EEDIF,EF,VS,COMP=128,AV,PATCH,GRP OF GLXY		
NGC 137		H471-2	Galaxy S0	F,IF,LBM
Sep 27 2013 36"	17mmT4	MB,MS,R,BLNUC,MHISB	CNTR,R=FG	
NGC 138			Galaxy Sa:	F,ES,SBM
Sep 19 2012 36"	17mmT4	MB,ML,BLNUC,HISB	CNTR,PAIRS=NGC'S/MAC,R=G	
NGC 139			Galaxy SB?	EF,S
Sep 19 2012 36"	17mmT4	PF,MS,OVAL,UB,NND,VF*	IN OUTER EDGE,PAIRS=NGC'S/MAC,R=F	
NGC 141			Galaxy	VF,VS,IR
Sep 19 2012 36"	17mmT4	MB,MS,OVAL,FLNUC,PAIRS=NGC'S/MAC,R=FG		
NGC 164			Galaxy S	EF
Sep 27 2013 36"	17mmT4	VF,PS,PATCH,UB,NND,PERHAPS THE FT NGC!!,R=P		
NGC 180		H876-3	Galaxy SB(rs)bc	VF,PL,IR,*NP INV
Sep 27 2013 36"	17mmT4	MB,MS,OVAL,PATCH,BSNUC,SHISB,KEEP B* OUT OF FOV,GMB,* OFF SIDE,R=F		
NGC 182		H870-3	Galaxy (R')SAB(rs)a p:	VF,S,IR,VGBM
Sep 04 2002 12.5"	9mmT6	GMBM,MHISB,B*	IN FOV	
NGC 186			Galaxy SB0+ pec:	F,S,R,LBM
Sep 04 2002 12.5"	9mmT6	MB,ML,OVAL,GMBM,MHISB		
NGC 190			Galaxy Sab	VF,S,LE,SEV*NR SP
Sep 17 2009 31"	12mmT4	PF,PS,OVAL,FLNUC,HICKSON,CAN JUST BARELY SPLIT THE 4,R=F		
NGC 193		H595-3	Galaxy SAB(s)0-:	F,L,P OF2,*15CLOSESP
Sep 04 2002 12.5"	9mmT6	MB,PL,MHISB,OVAL,2F**S OFF TO ONE SIDE		
NGC 194		H856-2	Galaxy E	PB,S,R,VGBM
Sep 04 2002 12.5"	9mmT6	MF,VL,OVAL,BNUC,MHISB,PAIR/198/200		
NGC 198		H857-2	Galaxy SA(r)c	F,S,VGBM
Sep 04 2002 12.5"	9mmT6	DIF,PF,VL,OVAL PATCH,PAIR/200/194		
NGC 199			Galaxy SA0^ pec:	F,VS,*8P27S,45"S
Sep 04 2002 12.5"	9mmT6	DIF,PF,ML,NND,MHISB,PATCH		
NGC 200		H858-2	Galaxy SB(s)bc	PB,S,VGBM

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NGC 200 Sep 04 2002 12.5" 9mmT6	H858-2 DIF,PF,VL,OVAL PATCH,PAIR/198/194	Galaxy SB(s)bc	PB,S,VGBM
NGC 202 Sep 28 2013 36" 17mmT4	MB,MS,EL,BLNUC,OVAL,MHISB,SBM,URANUS CLOSE BY,KEEP IT OUT OF FOV,R=FG	Galaxy SB(s)0+?	EF,VS,IBM
NGC 203 Sep 28 2013 36" 17mmT4 Sep 04 2002 12.5" 9mmT6	MF,MS,EL,BSNUC,URANUS BET 202 AND 203,KEEP URANUS OUT OF FOV,R=F VDIF,PF,MS,OVAL,UB,PATCHY	Galaxy S0^ pec:	F,R,*9SP8'
NGC 204 Sep 04 2002 12.5" 9mmT6	MB,PL,MHISB,OVAL	Galaxy SA(s)0^ pec:	F,PS,R,VGBM,F OF 2
NGC 208 Sep 28 2013 36" 17mmT4	MF,MS,OVAL,UB,NND,R=F	Galaxy SA(r)a?	PF
NGC 213 Sep 28 2013 36" 17mmT4	PB,MS,OVAL-R,BSNUC,MHISB,* OUTER EDGE,SBM,FINE GRAN HALO SUR NUC,R=FG	H200-3 Galaxy SB(rs)a	F,S,BET2S*
NGC 234 Sep 28 2013 36" 17mmT4	MF,ML,OVAL-R,FSNUC,GRAN SUR HALO,SHISB,MHISB CNTR,R=FG	H245-2 Galaxy SAB(rs)c	F,PS,ILE,BM
NGC 236 Sep 28 2013 36" 17mmT4	PF,ML,OVAL-R,PATCH,UB,NND,DIF,R=F	Galaxy SAB(s)c	VF,PL
NGC 240 Sep 28 2013 36" 17mmT4	MF,MS,OVAL-R,FSNUC,SHISB,R=F	Galaxy S0/a	VF,S,R,*NR S
NGC 250 Sep 28 2013 36" 17mmT4	MF,MS,EDGE ON,VBSNUC,R=F	Galaxy S0/a	EF,VS,R,AM3*
NGC 251 Sep 28 2013 36" 17mmT4	MF,ML,OVAL,FLNUC,R=F	H204-3 Galaxy Sc	VF,S,R,LBM,*INV,2S*F
NGC 257 Sep 28 2013 36" 17mmT4	MF,ML,OVAL,FLNUC,GBM,F* OUTER EDGE,R=FG	H863-2 Galaxy Scd:	PL,LE,GBM,R
NGC 266 Sep 19 2020 36" 17mmT4	PB,ML,OVAL,BLNUC,MHISB,L CNTR RGN,MBM,R=G	H153-3 Galaxy SB(rs)ab	PB,PS,LE,PSBM,*8SF4'
NGC 295 Sep 19 2020 36" 17mmT4	VB,VL,EL,BLNUC,HISB,F* OFF NUC,R=G	Galaxy SBb	F,S,R,*10"N,296NF
NGC 296 Sep 19 2020 36" 17mmT4	VF,VS,PATCH,NND,PGC3271 CLOSE BY,PERHAPS HERSCHEL OBSERVED THE PGC?,R=P	H214-2 Galaxy Scd:	F,LF,*10NF2'
NGC 311		Galaxy S0	PF,VS,R,GBM

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NGC 311		Galaxy S0	PF,VS,R,GBM
Sep 04 2002 12.5"	9mmT6	PF,ML,EL,SLT BM,PATCH,PAIR/315/318	
NGC 315		H210-2 Galaxy E+:	PB,PL,R,GBM,*9NF3'
Sep 04 2002 12.5"	9mmT6	PB,PL,OVAL,F* IN GLXY EDGE,GMBM,HISP,PAIR/311/318	
NGC 318		Galaxy S0	VF,VS,R,BM
Sep 04 2002 12.5"	9mmT6	VDIF,MF,VS,R,PATCH,CLOSE TO F*,PAIR/315/311	
NGC 373		Galaxy E	VF,VS
Sep 18 2009 31"	17mmT4	PF,VS,R,*NUC,VF* OFF EDGE,PAIRS=OTHER NGC'S,R=F	
NGC 374		Galaxy S0/a	F,S,BET2*15
Sep 18 2009 31"	17mmT4	MB,ML,OVAL,BLNUC,MHISB CNTR,R=G	
NGC 375		Galaxy E2:	VF,VS
Sep 18 2009 31"	17mmT4	MF,MS,R,FLNUC,PAIRS=OTHER NGC'S,R=F	
NGC 379		H215-2 Galaxy S0	PF,S,R,BM
Sep 18 2009 31"	17mmT4	PB,ML,EL,BLNUC,HISB CNTR,PAIRS=OTHER NGC'S,R=G	
NGC 380		H216-2 Galaxy E2	PF,S,R,SBM
Sep 18 2009 31"	17mmT4	PB,ML,OVAL,BLNUC,HISB CNTR,PAIRS=OTHER NGC'S,R=G	
NGC 382		Galaxy E:	VF,S,R,SP OF D NEB
Sep 18 2009 31"	17mmT4	MB,PS,OVAL,BSNUC,SHISB CNTR,PAIRS=OTHER NGC'S,R=F	
NGC 383		H217-2 Galaxy SA0-:	PF,PL,R,GBM,NF D NEB
Sep 18 2009 31"	17mmT4	VB,VL,R,BLNUC,HISB,GRAN HALO SUR NUC,PAIRS=OTHER NGC'S,R=E	
NGC 384		Galaxy E3	PF,PS,SP OF 2
Sep 18 2009 31"	17mmT4	PB,ML,R,BLNUC,HISB CNTR,PAIRS=OTHER NGC'S,R=G	
NGC 385		Galaxy SA0-:	PF,PS,R,NF OF 2
Sep 18 2009 31"	17mmT4	PB,ML,OVAL,BLNUC,HISB CNTR,PAIRS=OTHER NGC'S,R=G	
NGC 386		Galaxy E3:	CF,S,R
Sep 18 2009 31"	17mmT4	MB,ML,OVAL,FLNUC,MHISB CNTR,PAIRS=OTHER NGC'S,R=G	
NGC 387		Galaxy E	VF,S,R
Sep 18 2009 31"	17mmT4	MF,MS,OVAL,NND,PAIRS=OTHER NGC'S,R=F	
NGC 388		Galaxy E3:	VF,S,R
Sep 18 2009 31"	17mmT4	MF,MS,R,FLNUC,PAIRS=OTHER NGC'S,R=F	
NGC 392		H218-2 Galaxy S0-:	F,VS,R,MBM,BET2*
Sep 19 2020 36"	17mmT4	PB,ML,OVAL,BNUC,HISB CNTR,PAIRS=394/397,E TRIO,R=G	

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NGC 394		Galaxy S0	F,S,50"NF392
Sep 19 2020 36"	17mmT4	PB,ML,EL,BNUC,HISB CNTR,PAIRS=392/397,E TRIO,R=G	
NGC 397		Galaxy E	EF,S,R,VF*P
Sep 19 2020 36"	17mmT4	MB,MOL,PATCH,FNUC,PAIRS=394/392,E TRIO,R=F	
NGC 407		H219-2 Galaxy S0/a: sp	VF,VS,SP OF 2
Sep 04 2002 12.5"	9mmT6	DIF,PF,MS,EL,SBM,OVAL PATCH,PAIR/410/414	
NGC 410		H220-2 Galaxy E+:	PB,PL,NF OF 2
Sep 04 2002 12.5"	9mmT6	PB,PL,OVAL,GBM,MHISB,PAIR/407/414	
NGC 414		Galaxy Double System	VF,S,IR,MBM,410NP
Sep 04 2002 12.5"	9mmT6	VDIF,VF,PS,PATCH-OVAL,NND,PAIR/410/407	
NGC 420		H154-3 Galaxy S0:	F,PS,R,BM
Sep 19 2020 36"	17mmT4	PB,ML,R,BLNUC,MHISB,HISB CNTR,GRAN HALO,R=G	
NGC 455		Galaxy S?	F,VS,ALMSTELL
Sep 18 2009 31"	17mmT4	MB,MS,OVAL,BLNUC,MHISB CNTR,PAIR=PGC4583,R=G	
NGC 459		H205-3 Galaxy Sbc	EF
Sep 19 2020 36"	17mmT4	VF,PS,PACH,NND,HERSCHEL ??,R=P	
NGC 467		H108-1 Galaxy SA(s)0^a pec?	PB,PL,R,GBM
Sep 19 2020 36"	17mmT4	PB,PL,R,BLNUC,HISB,F* OFF EDGE,GRAN,B*CLOSE BY,R=G	
NGC 470		H250-3 Galaxy SA(rs)b	PB,L,IR
Sep 19 2020 36"	17mmT4	EB,EL,R,FSNUC,SPR STR SUDP,BKN,GRAN,PAIR=474,R=GE	
Sep 24 1981 12.5"	16mm	VDIF,MF,PS,PATCHY-OVAL,F*S TO N&S ON EDGE,F*S TO E,GLXY TO E BY B*,PAIR/474	
Sep 07 1980 12.5"	24mm	EF,AV,COMP SUSP	
NGC 473		H206-3 Galaxy SAB(r)0/a:	EF,S
Sep 24 1981 12.5"	16mm	DIF,MF,VS,DNUC,SBM,R,SHISB,NO *S NEAR GLXY	
NGC 474		H251-3 Galaxy SA(s)0^a	PB,S,SMBM,F OF 2
Sep 19 2020 36"	17mmT4	VB,VL,R,BLNUC,MHISB,VFL HALO AROUNC NUC,PAIR=470,R=G	
Sep 24 1981 12.5"	16mm	MF,VS,DNUC,SBM,LINE OF 3*S TO E,PAIR/470 AND ANOTHER	
NGC 488		H252-3 Galaxy SA(r)b	PB,L,R,SVMBM,*8F10'
Sep 24 1981 12.5"	16mm	MB,ML,BNUC,VMBM,R,HISB,LINE OF 5*S TO S	
Oct 31 1980 12.5"	24mm		
Oct 29 1980 8"	24mm		
Sep 07 1980 12.5"	24mm	B* CLOSE	
NGC 494		Galaxy Sab	VF,PL,E,3F*S
Sep 12 2012 36"	17mmT4	PB,PL,EL-EDGE ON,VF* OFF NUC,DUST SUSP,GRAD BM,MHISB CNTR,PAIRS=OTHERS,NICE	

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NGC 494		Galaxy Sab	VF,PL,E,3F*S
Sep 04 2002 12.5"	9mmT6	DIF,MF,ML,PATCHY,NND,UB,SLT,EL	
NGC 495		H156-3 Galaxy (R')SB(s)0/a p:	VF,S,1ST OF 3
Sep 04 2002 12.5"	9mmT6	DIF,PF,PS,R,PATCH,AV,LOC GOOD,OTHERS PRESENT	
NGC 496		H157-3 Galaxy Sbc	VF,VS,2ND OF 3
Sep 04 2002 12.5"	9mmT6	EDIF,EF,PL,OVAL PATCH,NND,UB,OTHERS PRESENT	
NGC 499		H158-3 Galaxy S0-	PB,PL,R,3RD OF 3
Sep 04 2002 12.5"	9mmT6	PB,ML,OVAL,GBM,MHISB,OTHER GLXY PRESENT	
NGC 501		Galaxy E0	VF,S
Sep 04 2002 12.5"	9mmT6	EDIF,VF,PS,UB,PATCH WITH AV,OTHERS PRESENT	
NGC 503		Galaxy E?	EF,ES,D*4'SP
Sep 12 2012 36"	17mmT4	MF,PS,OVAL,FSNUC,PAIRS=OTHERS,NICE FOV,R=FG	
Sep 04 2002 12.5"	9mmT6	EDIF,EF,VS,PATCH,UB	
NGC 504		Galaxy S0	VF,S
Sep 12 2012 36"	17mmT4	MB,MS,EL,BSNUC,SHISB CNTR,PAIRS=OTHERS,NICE FOV,R=G	
Sep 04 2002 12.5"	9mmT6	DIF,PF,PS,EL,UB,PATCH	
NGC 507		H159-3 Galaxy SA(r)0^	VF,PL,R,BM,S OF 2
Sep 12 2012 36"	17mmT4	PB,PL,R,BLNUC,L HALO,HISB CNTR,PAIRS=OTHERS,NICE FOV,R=G	
Sep 04 2002 12.5"	9mmT6	MB,ML,R,OVAL,GBM,COMP=508	
NGC 508		H160-3 Galaxy E0:	VF,S,N OF 2
Sep 12 2012 36"	17mmT4	MB,ML,OVAL,BSNUC,HISB CNTR,PAIRS=OTHERS,NICE FOV,R=G	
Sep 04 2002 12.5"	9mmT6	VDIF,PF,MS,PATCH,UB,COMP=507	
NGC 514		H252-2 Galaxy SAB(rs)c	F,L,LE,VGLBM,**F
Sep 24 1981 12.5"	16mm	PDIF,VF,VL,E OF B*,F* W SIDE,F* TO S SVRL GLXY DIA,PATCHY,NND,UB	
Oct 31 1980 12.5"	24mm	VDIF,SIM TO M33	
NGC 515		H167-3 Galaxy S0	PF,VS,R,NP OF 2
Sep 19 2020 36"	17mmT4	PB,ML,EL,BSNUC,F* OUTER EDGE,HISB CNTR,PAIR=517,R=G	
NGC 517		H168-3 Galaxy S0	PF,R,STELLAR,SF OF 2
Sep 19 2020 36"	17mmT4	PB,ML,EL,BSNUC,HISB CNTR,PAIR=515,R=G	
NGC 520		H253-3 Galaxy Pec	F,CL,E137
Sep 24 1981 12.5"	16mm	DIF,MF,ML,EL,NNS,UB,PATCHY AND KNTY STR SUSP,BTR IN 24MM	
Oct 31 1980 12.5"	24mm		
Oct 29 1980 8"	24mm		
Sep 07 1980 12.5"	24mm	EF,AV	

Pisces - The Fishes

NGC 522		Galaxy Sbc: sp	EF,PL,IF,(CL+NEB)
Dec 12 2012 36"	17mmT4	MF,ML,EDGE ON,PA~40,UB,SLT BULGE,R=FG	
NGC 524		H151-1 Galaxy SA(rs)0+	VB,PL,MBM,4S*NR
Sep 24 1981 12.5"	16mm	MB,PS,BNUC,F(13TH)*NW EDGE,F*N&S (4*S IN ALL),HISB IN NUC,VR,DIM DIF HALO	
Oct 31 1980 12.5"	24mm		
Sep 07 1980 12.5"	24mm		
NGC 525		Galaxy S0	VF,VS,*11.12P5S
Dec 12 2012 36"	17mmT4	MB,MS,EL,BLNUC,MHISB CNTR,PAIR=PGC5213,R=F	
NGC 532		H556-3 Galaxy Sab? sp	VF,PL,E30,BM
Sep 19 2020 36"	17mmT4	MB,ML,EL,EDGE ON,FLNUC,R=FG	
NGC 628	M74	Galaxy SA(s)c	GCL,F,VL,R,VG,PSMBM
Aug 03 2013 36"	17mmT4	VB,VL,OVAL,BSNUC,SPR ARMS, DUST,SN IN OUTER ARM AT EDGE ~ 12TH MAG,MHISB CNTR,KNOTS IN ARMS,R=E	
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 02 1984 10"	20mm	SAME	
Sep 24 1981 12.5"	16mm	PB,PL,DNUC,GBM,3F*S W,2F*S E SIDE,SOME STR IN ARMS SUSP	
Oct 31 1980 12.5"	24mm		
Oct 29 1980 8"	24mm		
Sep 07 1980 12.5"	24mm		
Aug 22 1980 12.5"	24mm		
NGC 660		H253-2 Galaxy SB(s)a pec	PB,PL,E,BM,R
Sep 04 2002 12.5"	9mmT6	DIF,MF,PL,IRR IN SHAPE,KNTS SUSP,NND,PATCH	
NGC 665		H588-2 Galaxy (R)S0^?	F,S,LE,BM,R
Sep 04 2002 12.5"	9mmT6	PB,PL,GBM,MHISB,OVAL	
NGC 676		H42-4 Galaxy S0/a: sp	VF,E161,SBM*9
Sep 04 2002 12.5"	9mmT6	VB,VL,EDGE ON,TAPERED ENDS,VBS*NUC,HISB ARMS	
NGC 693		H859-2 Galaxy S0/a?	PF,S,E90,VGLBM,*10NF
Sep 04 2002 12.5"	9mmT6	PB,PL,MHISB,* OF EDGE,PATCH,EL,UB,NND	
NGC 706		H596-2 Galaxy Sbc?	F,S,BM,*13N1'
Sep 04 2002 12.5"	9mmT6	DIF,PB,PL,PATCH,UB,F* OFF ONE SIDE	
NGC 718		H270-2 Galaxy SAB(s)a	PB,S,IR,PSMBM
Sep 24 1981 12.5"	16mm	MF,PS,DNUC,EF* SVRL GLXY DIA TO W,SUDLY MBM,R,DIM HALO	
Oct 31 1980 12.5"	24mm		
NGC 741		H271-2 Galaxy E0:	PF,S,R,POF2,POS102
Sep 19 2020 36"	17mmT4	PB,PL,OVAL,BLNUC,HISB CNTR,PAIR=742,R=G	
Sep 24 1981 12.5"	16mm	DIF,MF,PS,COMP TO N SUSP,JUST W OF B* 3 GLXY DIA,BARELY BM,CLASS E1	

Pisces - The Fishes

NGC 742		H272-2	Galaxy cE0:	VF,VS,R,SBM,F OF 2
Sep 19 2020 36"	17mmT4	MB,MS,OVAL,BSNUC,PAIR=741,FTR THAT THE TWO,HERSCHEL ??,R=FG		
NGC 7396			Galaxy Sa pec sp	PF,PS,R,GBM
Sep 16 2009 31"	17mmT4	VB,VL,EL,BLNUC,PAIR=MAC,R=G		
NGC 7397			Galaxy SB(rs)0/a	EF,VS
Sep 16 2009 31"	17mmT4	MB,ML,R,BLNUC,PAIRS=7398/7401/7402,R=G		
NGC 7398			Galaxy SA(r)a:	VF,PL
Sep 16 2009 31"	17mmT4	PB,ML,R,BSNUC,BM,SHISB CNTR,PAIRS=7397/7401/7402,R=G		
NGC 7401			Galaxy Sa	EF,VS
Sep 16 2009 31"	17mmT4	MF,ML,R,FSNUC,PAIRS=7398/7397/7402,R=F		
NGC 7402			Galaxy S0 pec:	EF,VS
Sep 16 2009 31"	17mmT4	PF,ML,OVAL,UB,NND,PAIRS=7401/7397/7398,R=F		
NGC 7422			Galaxy SB(s)b:	VF,PS,VLE
Sep 16 2009 31"	17mmT4	MF,MS,R,FLNUC,MHISB,R=F		
NGC 7428			Galaxy (R)SAB(r)a pec:	F,VS,R,BM
Sep 16 2009 31"	17mmT4	MB,MS,R,BSNUC,F GRAN HALO,BM,MHISB CNTR,R=G		
NGC 7434			Galaxy E/S0	VF,VS,R,STELLAR
Sep 16 2009 31"	17mmT4	MF,PS,ELOGN,BSNUC,R=G		
NGC 7452			Galaxy S	EEF,PL,R,VDIFFIC
Sep 16 2009 31"	17mmT4	PF,PS,FSNUC,PAIR=PGC70255,R=F		
NGC 7455			Galaxy Sa	EF,PS,CE,F*CLOSE P
Sep 16 2009 31"	17mmT4	MF,PS,EL,FLNUC,R=F		
NGC 7458		H590-2	Galaxy E	CF,CS,PSBM
Sep 16 2009 31"	17mmT4	PB,PL,R,BLNUC,HISB CNTR,GMBM,PAIR=PGC70289,R=G		
NGC 7460			Galaxy SB(s)b pec:	EF,PL,R
Sep 16 2009 31"	17mmT4	MB,ML,PATCH,UB,NND,SOFT GLOW,SHISB,R=G		
NGC 7478			Galaxy Sa	EF,E
Sep 16 2009 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIRS=7489/MAC,R=P		
NGC 7480			Galaxy S0/a: sp	VF,VS,VLE,VGBM
Sep 16 2009 31"	17mmT4	MF,MS,EDGE ON,BSNUC,CNTR BULGE,PAIRS=7478/MAC,R=G		
NGC 7482			Galaxy E	F,VS,STELLAR
Nov 11 2009 31"	17mmT4	PB,ML,OVAL,BLNUC,GMBM,MHISB CNTR,PAIR=PGC70466,R=G		

Pisces - The Fishes

NGC 7482		Galaxy E	F,VS,STELLAR
Sep 16 2009 31"	17mmT4	MF,PS,OVAL,BSNUC,PAIRS=PGC70466/MAC,R=F	
NGC 7483		Galaxy (R')SAB(rs)a	VF,S,E,PSBM
Nov 11 2009 31"	17mmT4	PB,ML,OVAL,BLNUC,L HALO SUR NUC,GRAD MBM,R=G	
Sep 17 2009 31"	17mmT4	VB,VL,EL,BLNUC,HISB CNTR,GMBM,R=G	
NGC 7488		Galaxy S0- pec:	VF,VS,STELLAR
Sep 17 2009 31"	17mmT4	MB,ML,OVAL,BLNUC,MHISB CNTR,R=G	
NGC 7499		Galaxy SA(s)0^:	VF,VS,STELLAR
Sep 17 2009 31"	17mmT4	MF,MS,OVAL,FLNUC,MHISB CNTR,PAIRS=MANY OTHERS,R=G	
NGC 7501		Galaxy E1:	EF
Sep 17 2009 31"	17mmT4	MF,MS,OVAL,FLNUC,MHISB CNTR,PAIRS=MANY OTHERS,R=G	
NGC 7503		Galaxy E2:	VF,S,STELLAR
Sep 17 2009 31"	17mmT4	MF,MS,OVAL,FLNUC,MHISB CNTR,PAIRS=MANY OTHERS,R=G	
NGC 7506		H184-3 Galaxy (R')SB(r)0+:	CF,VS,R,SBM*15
Sep 17 2009 31"	17mmT4	MB,ML,OVAL,BLNUC,MHISB CNTR,R=G	
NGC 7517		Galaxy E+?	VF,VS,STELLAR
Sep 17 2009 31"	17mmT4	PF,PS,OVAL,FSNUC,R=F	
NGC 7518		Galaxy (R)SAB(r)a	VF,S,R
Sep 17 2009 31"	17mmT4	MB,MS,OVAL,VBSNUC,*NUC,PAIR=PGC70708,R=G	
NGC 7521		Galaxy SB0^?	VF,PS,PSBM
Sep 17 2009 31"	17mmT4	MF,MS,OVAL,BLNUC,PAIR=7524,R=F	
NGC 7524		Galaxy S0/a	EF,VS
Sep 17 2009 31"	17mmT4	VF,PS,EL,UB,NND,PAIR=7521,R=P	
NGC 7530		Galaxy S0/a	EF,VS,ALM STELLAR
Sep 17 2009 31"	17mmT4	MB,ML,OVAL,PATCH,UB,NND,KEEP B* OUT OF FOV,PAIRS=7532/7534,R=G	
NGC 7532		Galaxy S0+ pec:	VF,VS,LE
Sep 17 2009 31"	17mmT4	MF,ML,R,BLNUC,PAIRS=7530/7534,KEEP B* OUT OF FOV,R=G	
NGC 7533		Galaxy S0/a	F,S,R
Sep 17 2009 31"	17mmT4	MF,PS,OVAL,VFSNUC,PAIR=MAC,R=F	
NGC 7534		Galaxy IB(s)m	EF,VS,LE
Sep 17 2009 31"	17mmT4	MF,MS,EDGE ON,UB,NND,IRR RECTANGLE SHAPE,PAIRS=7532/7530,KEEP B* OUT OF FOV,R=G	
NGC 7537		H429-2 Galaxy SAbc:	VF,CS,R,BM,SP OF 2

Pisces - The Fishes

NGC 7537		H429-2	Galaxy SAbc:	VF,CS,R,BM,SP OF 2
Sep 17 2009 31"	17mmT4	PB,ML,OVAL,UB,NND,MHISB,ENDS TAPERED,PAIR=7541,E PAIR,R=G		
NGC 7541		H430-2	Galaxy SB(rs)bc: pec	B,L,ME97,MBM,NF OF 2
Sep 17 2009 31"	17mmT4	VB,EL,EL,UB,NND,HISB,IRR,ONE END THICKER THAN OTHER,PAIR=7537,E PAIR,R=E		
Oct 30 1981 12.5"	24mm	F,E1 GLXY CLOSE BY		
Oct 31 1980 12.5"	24mm	FT ELIPTICAL COMP BESIDE OBJ		
NGC 7544			Galaxy S0	EF,VS
Sep 17 2009 31"	17mmT4	MF,MS,OVAL,FLNUC,R=F		
NGC 7546			Galaxy SAB(r)bc:	EF,S,LE
Sep 17 2009 31"	17mmT4	MF,S,OVAL,UB,NND,PAIR=PGC70824,R=F		
NGC 7554			Galaxy E	EF,ES,ALMSTELL,7556F
Sep 17 2009 31"	17mmT4	PF,PS,OVAL,BSNUC,PAIRS=7556/MAC'S,R=F		
NGC 7556		H235-2	Galaxy S0-	CF,PL,R,B** F
Sep 17 2009 31"	17mmT4	MB,ML,OVAL,BLNUC,MHISB CNTR,PAIRS=7544/MAC'S,R=G		
NGC 7557			Galaxy S?	VF,VS,P OF 2
Sep 04 2002 12.5"	12mm	VDIF,VF,VS,OVAL PATCH,UB,NND,PAIR/7562/7562A		
NGC 7562		H467-2	Galaxy E2-3	CB,PS,IR,PSBM
Sep 04 2002 12.5"	16mm	PF,PS,OVAL,GMBM,L NEC AREA,PAIR/7562A/7557		
NGC 7562A			Galaxy Sdm: sp	
Sep 04 2002 12.5"	12mm	EEDIF,EF,VS,SUSPECTED WITH AV,LOC GOOD,PAIR/7557/7562		
NGC 7564			Galaxy E?	VF,ES,STELLAR N
Sep 17 2009 31"	17mmT4	MF,PS,OVAL,UB,NND,R=F		
NGC 7566		H185-3	Galaxy (R')SB(rs)a pec	VF,PS,E,ER,3F*INV
Sep 17 2009 31"	17mmT4	MF,MS,OVAL,FLNUC,F* BOTH ENDS,IRR,SHISB CNTR,R=F		
NGC 7577			Galaxy	*13.5IN VF NEB
Nov 11 2009 31"	17mmT4	PF,PS,OVAL,VFSNUC,VF* OFF EDGE,R=F		
NGC 7583			Galaxy S?	VF,VS
Nov 11 2009 31"	17mmT4	MB,ML,OVAL,BLNUC,SHISB CNTR,PAIRS=7604/MAC,R=G		
Sep 17 2009 31"	17mmT4	MB,MS,R,BLNUC,MHISB CNTR,PAIRS=7604/MAC,R=G		
NGC 7589			Galaxy SAB(rs)a:	EF,VS
Sep 17 2009 31"	17mmT4	PF,PS,EL,UB,NND,R=F		
NGC 7591			Galaxy SBbc	PF,S,R,VGBM
Nov 11 2009 31"	17mmT4	MB,MS,OVAL,FLNUC,R=G		

Pisces - The Fishes

NGC 7603		Galaxy SA(rs)b: pec	F,VS,STELLAR
Sep 17 2009 31"	17mmT4	MF,PS,OVAL,VBSNUC,B* IN NUC? SN?,PAIR=PGC71041,R=F	
NGC 7604		Galaxy E	EF,VS,BM
Nov 11 2009 31"	17mmT4	PF,MS,PATCH,UB,NND,PAIRS=7583/MAC,R=F	
Sep 17 2009 31"	17mmT4	MF,PS,OVAL,FLNUC,PAIRS=7583/MAC,R=F	
NGC 7611		Galaxy SB0+:	F,S,R,TRIW/2*19N
Nov 11 2009 31"	17mmT4	MB,MS,OVAL,BSNUC,SHISB,R=G	
NGC 7613		Galaxy	VF
Nov 11 2009 31"	17mmT4	VF,VS,PATCH,AV TOOK A WHILE,COMES AND GOES,R=P	
NGC 7617		Galaxy SA0^:	EF,VS
Oct 04 2005 31"	17mmT4	MB,MS,R,BSNUC,PAIR=7619,R=F	
NGC 7629		Galaxy SB0^?	VF,VS,STELLAR
Nov 11 2009 31"	17mmT4	MF,PS,OVAL,BLNUC,R-F	
NGC 7642		Galaxy Sa pec?	VF,VS,BM
Nov 11 2009 31"	17mmT4	MF,M,OVAL,FLNUC,PAIR=PGC71266,R=F	
NGC 7667		Galaxy SB(s)m pec	VF
Nov 11 2009 31"	17mmT4	DIF,EF,ML,PATCH,UB,NND,AV FIRST THEN HOLDS,BARREN FOV,HARD TO LOC,R=P	
NGC 7679		Galaxy SB0 pec:	PB,S,R,MBMN,STELL
Sep 17 2009 31"	17mmT4	MB,MS,R,BNUC,HISB CNTR,PAIRS=7682/MAC,R=G	
Sep 27 1981 12.5"	16mm	MF,VS,BNUC,F* NE AND W SVRL GLXY DIA,SBM	
NGC 7682		Galaxy SB(r)ab	EF,*14P13.7S,LN
Sep 17 2009 31"	17mmT4	MF,MS,EL,FLNUC,PAIRS=7679/MAC,R=F	
NGC 7684		Galaxy S0+	F,VS,STELL
Sep 12 2012 36"	17mmT4	PB,MS,EL,BSNUC,HISB,PAIRS=PGC71611/MAC,R=G	
NGC 7685		H426-3 Galaxy SAB(s)c:	EF,CL,R,GBM,**NR
Sep 12 2012 36"	17mmT4	PF,ML,PATCH,UB,NND,R=F	
Sep 12 2012 36"	17mmT4	VF,PL,PATCH,UB,NND,PAIR=PGC71630,R=F	
NGC 7687		Galaxy SAB(rs)0^ pec?	VF,VS,*11F1S,N85"
Sep 12 2012 36"	17mmT4	MB,MS,EL,BLNUC,APPEARS TO BE FT GLXY JUST TO NW WHERE MEGASTAR SHOWS A *,R=F	
NGC 7694		H187-3 Galaxy Im pec:	EF,PL,STELLAR
Sep 19 2020 36"	17mmT4	MB,ML,OVAL,PATCH,SBM,GRAN,PAIR=7695,R=FG	
NGC 7695		Galaxy	EF,STELL,NR 7694
Sep 19 2020 36"	17mmT4	PF,PS,PATCH,NND,PAIR=N7694,R=F	

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NGC 7699		Galaxy Sa	EF,VS
Sep 19 2012 36"	17mmT4	VF,PS,EL,UB,NND,PAIRS=NGC'S,R=F	
NGC 7700		Galaxy S0+	VF,ES,STELLAR
Sep 19 2012 36"	17mmT4	MF,PS,EL,FLNUC,PAIRS=NGC'S,R=F	
NGC 7701		H188-3 Galaxy	VF,S,R,MBM,*11SP
Sep 19 2012 36"	17mmT4	MB,MS,EL,BLNUC,MHISB,PAIRS=NGC'S,R=G	
NGC 7714		Galaxy SB(s)b: pec	PB,S,R,PSBM,*12SP6SF
Sep 17 2009 31"	17mmT4	VB,PL,OVAL,BNUC,IRR,SUD MBM,BVRNUC OR B*,PATCHY AREAS,ARMS,PAIR=7715,R=G	
NGC 7715		Galaxy Im pec sp	EF,PL,R
Sep 17 2009 31"	17mmT4	MF,ML,EL-EDGE ON,UB,NND,KEEP B* OUT OF FOV,PAIR=7714,R=F	
NGC 7716		Galaxy SAB(r)b:	F,PL,LE,GBM,*10S
Sep 27 1981 12.5"	16mm	MF,PS,FNUC,FACE ON,N OF F*,*NUC,WINDY KNTY STR SUSP,SBM	
NGC 7750		H427-3 Galaxy (R')SB(rs)c pec	CF,PL,VLE0,LBM,*11SF
Sep 19 2020 36"	17mmT4	MB,PLL,OVAL,UB,NND,SHISB CNTR,R=G	
NGC 7751		H437-3 Galaxy S?	F,S,R,GBM,ER
Sep 19 2020 36"	17mmT4	MB,ML,OVAL,FSNUC,BMBM,MHISB CNTR,R=G	
NGC 7756		Galaxy	PF,PS,GBM
Sep 17 2009 31"	17mmT4	VF,VS,PATCH,APPEARS AS AN EXTENSION TO 7757,INTRACT=7757,R=P	
NGC 7757		Galaxy SA(rs)c	VF,CL,VLE,VGLBM,2*N
Sep 17 2009 31"	17mmT4	MF,PL,OVAL,NND,FACE ON,PATCHY AREAS,ARMS,INTRACT=7756,PAIR=7756,R=G	
NGC 7778		H231-3 Galaxy E	CF,S,R,PSBM,1ST OF 4
Sep 27 1981 12.5"	16mm	CLOSE PAIR/7782,2 OF 4 COMP	
NGC 7779		H232-3 Galaxy (R')SA0/a:	PF,S,R,PSBM,2ND OF 4
Sep 27 1981 12.5"	16mm	CLOSE PAIR/7782,3 OF 4 COMP	
NGC 7781		Galaxy S?	F,S,R,3RD OF 4
Sep 27 1981 12.5"	16mm	PAIR/7782,4 OF 4	
NGC 7782		H233-3 Galaxy SA(s)b	PF,PL,LE,GLBM,4TH OF 4
Sep 27 1981 12.5"	16mm	DIF,MF,MS,EL,NUC SUSP,SBM,1 OF 4 COMP	
NGC 7783		Galaxy	F,S,LE
Sep 04 2005 31"	17mmT4	PF,VS,FSNUC,F* BET COMP,PAIRS=PGC'S,MHISB CNTR,R=F	
NGC 7785		H468-2 Galaxy E5-6	PB,PS,IR,PSBM,R,*8P
Sep 27 1981 12.5"	16mm	MF,MS,BNUC,NE OF 1 B*,HISB,GMBM	

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NGC 7797		H867-3	Galaxy Sbc	EF,PS,IR,LBM
Sep 19 2020 36"	17mmT4	PF,ML,OVAL,UB,NND,R=F		
NGC 7802			Galaxy S0	VF,S,R,PSBM
Oct 12 2012 36"	17mmT4	MF,MS,EL,BLNUC,SBM,PAIR=PGC96,R=F		
NGC 7809			Galaxy Im?	EF,VS
Oct 12 2012 36"	17mmT4	MF,PS,OVAL-R,UB,NND,SHISB,PAIR=MAC,R=F		
NGC 7811			Galaxy clm??	VF,S,R,STELLAR
Oct 12 2012 36"	17mmT4	MF,MS,OVAL-R,BSNUC,MHISB,R=FG		
NGC 7816		H436-3	Galaxy Sbc	VF,PL,R,GBM
Oct 12 2012 36"	17mmT4	PB,ML,R,BLNUC,HISB CNTR,GMBM,PAIR=7818,R=FG		
NGC 7818			Galaxy Scd:	EEF,PS,SF7816,VDIFFI
Oct 12 2012 36"	17mmT4	PF,ML,PATCH,UB,NND,PAIR=7816,R=F		
NGC 7820			Galaxy S0/a	PF,VS,VSMBM,*14SP
Oct 12 2012 36"	17mmT4	PB,ML,EL,BLNUC,TIGHT BNUC,HISB CNTR,GRAN HALO,R=G		
NGC 7824			Galaxy Sab	PF,S,R,*10NP
Sep 23 1981 12.5"	16mm	DIF,MF,MS,EDGE ON,F HALO,TAPERED ENDS,NND,F* TO E ALONG EQ PLANE,UB		
NGC 7825			Galaxy SBb	VF,S,GBM
Oct 12 2012 36"	17mmT4	MF,MS,EL,FLNUC,R=F		
NGC 7827			Galaxy SB0	VF,S,R,*12,13NF
Oct 12 2012 36"	17mmT4	MB,MS,OVAL,BLNUC,HISB CNTR,PAIR=PGC376,R=G		
NGC 7832		H190-3	Galaxy E+	VF,VS,R,VGPSMBM,2*SF
Oct 12 2012 36"	17mmT4	MB,MS,OVAL,FLNUC,MHISB,VF* OFF EDGE,R=FG		
Sep 04 2002 12.5"	16mm	DIF,PF,PS,OVAL,GMBM,MHISB,PAIR/PGC 535		
NGC 7834			Galaxy Scd:	EEF,VS
Sep 16 2009 31"	17mmT4	VF,PS,EL,PATCH,UB,NND,R=-F		
NGC 7835			Galaxy Sb	EF,S,R
Sep 16 2009 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,PAIR=PGC1345780,R=F		
NGC 7837			Galaxy Sb	EF,P OF DNEB
Sep 16 2009 31"	17mmT4	MF,MS,EL,FSNUC,CAN JUST SEP THE TWO,PAIR=7838,R=F		
NGC 7838			Galaxy Sb	EF,F OF DNEB
Sep 16 2009 31"	17mmT4	MF,MS,EL,FSNUC,CAN JUST SEP THE TWO,PAIR=7838,R=F		
PGC 1			Galaxy	

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PGC 1		Galaxy
Sep 18 2004 31"	17mmT4	PF,PS,PATCH,UB,NND,FIRST LISTED PGC,R=P
PGC 39		Galaxy SBa-b
Oct 12 2012 36"	17mmT4	PF,MS,OVAL,UB,NND,R=F
PGC 96		Galaxy Sb-c
Oct 12 2012 36"	17mmT4	PF,MS,EDGE ON,NND,PAIR=-NGC7892,R=P
PGC 353		Galaxy SB0/a
Oct 12 2012 36"	17mmT4	PF,MS,EL,FSNUC,R=F
PGC 376		Galaxy
Oct 12 2012 36"	17mmT4	VF,PS,EL,UB,NND,PAIR=7827,R=PF
PGC 515		Galaxy SAc
Sep 16 2009 31"	17mmT4	PF,MS,OVAL,UB,NND,R=F
PGC 535		Galaxy E
Sep 04 2002 12.5"	9mmT6	EEEDIF,EF,VS,SUSPECT ONLY WITH AV,LOC GOOD,PAIR/7832
PGC 797		Galaxy S
Dec 12 2012 36"	17mmT4	EF,ES,TOUCH=NGC36,AV ONLY A FEW TIMES,R=P
PGC 1256		Galaxy
Sep 27 2013 36"	17mmT4	PF,VS,R,PATCH,UB,V CLOSE TO *,R=F
PGC 1282		Galaxy S
Sep 27 2013 36"	17mmT4	VF,VS,R,UB,CAN JUST BARELY SEP THE TWO,PAIR=PGC1283,CLOSE TO *,R=F
PGC 1283		Galaxy
Sep 27 2013 36"	17mmT4	VF,VS,R,UB,CAN JUST BARELY SEP THE TWO,PAIR=PGC1282,CLOSE TO *,R=F
PGC 1300		Galaxy S
Sep 27 2013 36"	17mmT4	PF,PS,EL,NND,PAIR=IC12,R=F
PGC 1416		Galaxy S
Sep 16 2009 31"	17mmT4	EF,VS,PATCH,AV COMES AND GOES,R=P
PGC 1431		Galaxy S
Sep 16 2009 31"	17mmT4	VF,VS,OVAL,PATCH,NND,AV HOLDS,PAIR=PGC1434,R=P
PGC 1434		Galaxy SB
Sep 16 2009 31"	17mmT4	PF,MS,OVAL,FLNUC,PAIR=PGC1431,R=F
PGC 1461		Galaxy Sc
Sep 27 2013 36"	17mmT4	MF,MS,EL,UB,NND,INSIDE TRI OF F*S,R=F

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PGC 1503		Galaxy Disrupted
Sep 16 2009 31"	17mmT4	PF,VS,PATCH,PAIR=PGC1504,CAN JUST BARELY SEP,R=P
PGC 1504		Galaxy L
Sep 16 2009 31"	17mmT4	PF,VS,PATCH,PAIR=PGC1503,CAN JUST BARELY SEP,R=P
PGC 1665		Galaxy Scd:
Nov 17 2012 36"	17mmT4	MF,MS,OVAL,UB,NND,SLT BULDGING,PA~15,R=FG
PGC 1914		Galaxy S?
Sep 16 2009 31"	17mmT4	MF,PS,R,BLNUC,E HICKSON GRP,R=F
PGC 1921		Galaxy SB?
Sep 16 2009 31"	17mmT4	MF,MS,PATCH,VFSNUC,IRR,WISPY ARMS,VF* IN OUTER ARM,STR DET,E HICKSON GRP,R=G
PGC 1927		Galaxy S?
Sep 16 2009 31"	17mmT4	VF,PS,PATCH,UB,NND,AV FIRST THEN HOLDS,E HICKSON GRP,R=P
PGC 1934		Galaxy Sb-c
Sep 16 2009 31"	17mmT4	VF,VS,PATCH,UB,NND,AV FIRST THEN HOLDS,E HICKSON GRP,R=P
PGC 2139		Galaxy Sc
Sep 27 2013 36"	17mmT4	VF,PS,EL,UB,NND,R=P
PGC 2283		Galaxy S
Sep 27 2013 36"	17mmT4	EF,VS,PATCH,AV FIRST THEN HOLDS,R=P
PGC 2322		Galaxy C
Sep 17 2009 31"	12mmT4	VF,VS,PATCH,UB,NND,HICKSON,CAN JUST BARELY SPLIT THE 4,R=P
PGC 2325		Galaxy S0?
Sep 17 2009 31"	12mmT4	PF,PS,OVAL,FLNUC,HICKSON,CAN JUST BARELY SPLIT THE 4,R=P
PGC 2326		Galaxy C
Sep 17 2009 31"	12mmT4	EF,VS,PATCH,NOT DET IN 17MM,TOOK AV A WHILE,HOLDS FOR A BIT THEN COMES AND GOES,HICKSON,CAN JUST BARELY SPLIT THE 4,R=P
PGC 2330		Galaxy S
Sep 27 2013 36"	17mmT4	VF,PS,OVAL,NND,UB,AGC76,R=PF
PGC 2401		Galaxy
Sep 04 2002 12.5"	9mmT6	EEDIF,EF,ES,* WITH AV,LOC GOOD
PGC 2431		Galaxy S0:
Sep 27 2013 36"	17mmT4	MF,MS,OVAL,FLNUC,AGC76,R=F
PGC 3133		Galaxy S?

Pisces - The Fishes

PGC 3133		Galaxy S?
Dec 12 2012 36"	17mmT4	MB,ML,EDGE ON,BSNUC,PA~170,F* OFF TIP,GRAD MBM, SLT BULGE,R=FG
PGC 3271		Galaxy S0
Sep 19 2020 36"	17mmT4	MF,MS,EL,BSNUC,THIS SHOULD BE THE HERSCHEL,PAIR=N296,R=F
PGC 3366		Galaxy E/S0
Oct 12 2012 36"	17mmT4	MF,MS,OVAL,FLNUC,AGC 119,R=F
PGC 3950		Galaxy Sdm?
Sep 18 2009 31"	17mmT4	EF,MS,EL,CAN ONLY SUSP,LOC GOOD,PAIRS=OTHER NGC'S,R=P
PGC 4116		Galaxy SBb
Sep 18 2009 31"	17mmT4	MF,MS,OVAL,FLNUC,PAIRS=PGC'S/MAC,R=G
PGC 4118		Galaxy SB
Sep 18 2009 31"	17mmT4	VF,VS,PATCH,UB,NN,AV FIRST THEN HOLDS,PAIRS=PGC'S/MAC,R=P
PGC 4123		Galaxy S
Sep 18 2009 31"	17mmT4	PF,VS,PATCH,UB,NND,PAIRS=PGC'S/MAC,R=F
PGC 4124		Galaxy SBb
Sep 18 2009 31"	17mmT4	MF,MS,OVAL,FLNUC,PAIRS=PGC'S/MAC,R=G
PGC 4559		Galaxy Sbc
Sep 18 2009 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,AV HOLDS,R=P
PGC 4568		Galaxy
Sep 18 2009 31"	17mmT4	MB,MS,EL,BLNUC,SLT HISB CNTR,R=F
PGC 4583		Galaxy SB
Sep 18 2009 31"	17mmT4	VF,VS,PATCH,AV HOLDS,PAIR=455,R=P
PGC 4645		Galaxy Double System
Sep 18 2009 31"	17mmT4	MF,PS,OVAL,UB,NND,TOUCH=MAC,CAN JUST BARELY SEP THE TWO,R=F
PGC 4728		Galaxy
Sep 18 2009 31"	17mmT4	EF,VS,PATCH,UB,NND,TOOK AV A WHILE TO FIND,THEN HOLDS,PAIR=MAC,R=P
PGC 4748		Galaxy E?
Sep 18 2009 31"	17mmT4	MF,MS,OVAL,FLNUC,PAIR=PGC4750,R=F
PGC 4750		Galaxy Sdm:
Sep 18 2009 31"	17mmT4	MB,MS,OVAL,FLNUC,PAIR=IC4748,ANOTHER UNKNOWN GLXY(?) 2,2' PA 332,6 FROM B* IN FOV,R=F
PGC 4789		Galaxy
Sep 18 2009 31"	17mmT4	MF,MS,OVAL,PATCH,NND,PATCHY AREAS,IRR IN SHAPE,PAIR=MAC,R=F

Pisces - The Fishes

PGC 5085		Galaxy S?
Sep 18 2009 31"	17mmT4	MF,MS,OVAL,FLNUC,PAIR=MAC,R=F
PGC 5100		Galaxy
Sep 12 2012 36"	17mmT4	PF,ES,*NUC,ALM *,PAIRS=OTHERS,NICE FOV,R=P
PGC 5129		Galaxy S?
Oct 30 2005 31"	17mmT4	MF,MS,EL,PATCH,FSNUC,R=F
PGC 5213		Galaxy SBb
Dec 12 2012 36"	17mmT4	PF,PS,PATCH,UB,NND,PAIR=NGC525,R=PF
PGC 5744		Galaxy S?
Nov 17 2012 36"	17mmT4	VF,MS,OVAL,PATCH,UB,NND,PAIR=PGC5759,R=P
PGC 5759		Galaxy Dwarf Irr
Nov 17 2012 36"	17mmT4	EF,PS,PATCH,AV A FEW TIMES,PAIR=PGC5744,R=P
PGC 6292		Galaxy Im:
Sep 04 2002 12.5"	9mmT6	EDIF,VF,PL,EL,UB,NND,AV,LOC GOOD
PGC 6644		Galaxy S?
Nov 17 2012 36"	17mmT4	MB,PS,OVAL,BLNUC,PAIRS=OTHERS,R=F
PGC 6653		Galaxy Sb
Nov 17 2012 36"	17mmT4	PF,PS,PATCH,UB,PAIRS=OTHERS,R=P
PGC 7415		Galaxy SBm: pec
Nov 17 2012 36"	17mmT4	PF,PS,PATCH,UB,NND,V CLOSE COMP=PGC7417,R=P
PGC 7417		Galaxy SBm pec:
Nov 17 2012 36"	17mmT4	MF,MS,OVAL,BLNUC,MHISB,V CLOSE PAIR=PGC7415,R=F
PGC 70255		Galaxy Double System
Sep 16 2009 31"	17mmT4	MB,ML,EL-OVAL,UB,NND,PAIR=7452,R=F
PGC 70289		Galaxy Sbc
Sep 16 2009 31"	17mmT4	VF,VS,EL,PATCH,UB,NND,PAIR=7458,R=P
PGC 70466		Galaxy Spiral
Nov 11 2009 31"	17mmT4	MF,MS,EL,UB,NND,F* OFF EDGE,FTR * OFF SIDE,PAIR=7472,R=F
Sep 16 2009 31"	17mmT4	VF,MS,EL,UB,PATCH,F* OFF SIDE,PAIRS=7472/MAC,R=F
PGC 70603		Galaxy L
Sep 17 2009 31"	17mmT4	PF,PS,EL,FSNUC,PAIRS=MANY OTHERS,R=F
PGC 70708		Galaxy Sc:

Pisces - The Fishes

PGC 70708		Galaxy Sc:
Sep 17 2009 31"	17mmT4	MF,ML,EDGE ON,FLNUC,CNTR BULGE,TAPERED ENDS,PAIR=7518,R=F
PGC 70824		Galaxy S
Sep 17 2009 31"	17mmT4	PF,PS,OVAL,UB,NND,PAIR=7546,R=F
PGC 71041		Galaxy
Sep 17 2009 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=7603,R=P
PGC 71130		Galaxy Triple System
Nov 11 2009 31"	17mmT4	MF,PS,OVAL,FLNUC,CAN JUST BARELY SEP THE TWO,PAIR=MAC,R=F
PGC 71183		Galaxy S R
Nov 11 2009 31"	17mmT4	MF,PS,PATCH,UB,NND,R=F
PGC 71218		Galaxy Sbc
Nov 11 2009 31"	17mmT4	VF,VS,R,PATCH,UB,NND,R=P
PGC 71266		Galaxy S
Nov 11 2009 31"	17mmT4	VF,MS,EL,FSNUC,PAIR=7642,R=P
PGC 71381		Galaxy S-Irr
Nov 11 2009 31"	17mmT4	VF,PS,EL TO EDGE ON,UB,NND,PAIR=MAC,R=P
PGC 71578		Galaxy SB(rs)c:
Sep 17 2009 31"	17mmT4	DIF,VF,ML,EL,UB,NND,R=P
PGC 71610		Galaxy S
Sep 12 2012 36"	17mmT4	PF,VS,EL,INTRACT=MAC,VF* OFF ONE EDGE,COMP ON OTHER,CANNOT SEP,R=FG
PGC 71611		Galaxy SA(rs)d:
Sep 12 2012 36"	17mmT4	VF,PS,OVAL,PATCH,NND,AV FIRST THEN HOLDS,PAIRS=7684/MAC,R=P
PGC 71626		Galaxy SB(r)b pec:
Sep 12 2012 36"	17mmT4	PF,PS,OVAL,FLNUC,PAIRS=PGC/MAC,R=F
PGC 71630		Galaxy Compact
Sep 12 2012 36"	17mmT4	PF,PS,OVAL,NND,VR* JUST OFF EDGE,PAIR=7685,R=F
PGC 71752		Galaxy SB(s)d
Sep 19 2012 36"	17mmT4	DIF,VF,MS,OVAL,UB,NND,* OUTER EDGE,R=P
PGC 72405		Galaxy L
Sep 17 2009 31"	17mmT4	PF,VS,PATCH,NND,GOOD HICKSON,R=P
PGC 72806		Galaxy S0+?
Sep 04 2005 31"	17mmT4	EF,ES,PATCH,PAIRS=PGC'S/7783,SUSP,R=P

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PGC 72808

Galaxy E?

Sep 04 2005 31" 17mmT4 PF,VS,FSNUC,F* BET COMP,PAIRS=PGC'S/7783,MHISB CNTR,R=F

PGC 72810

Galaxy E?

Sep 04 2005 31" 17mmT4 VF,ES,OVAL,UB,NND,F* OFF ONE SIDE,PAIRS=PGC'S/7783,R=P

PGC 1345780

Galaxy

Sep 16 2009 31" 17mmT4 EF,PS,PATCH,UB,NND,PAIR=7835,R=P

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BOCH 5		Open Cluster I 2 p	
Mar 04 2021 36"	31mmT5	(I 2 p),PB,ML,~10*S,LOOSELY SC,SOME B SOME F INSIDE SH2-302,R=P	
CR 146		Open Cluster II 3 m n	
Mar 03 2021 36"	17mmT4	(III 3 p),MB,ML,~20*S VAR MAG,IN SHAPE OF A 'Y',(8:31pm),R=PF	
CR 155		Open Cluster II 2 r	
Mar 03 2021 36"	55mm	(II 2 r),MB,PL,FITS NICE IN FOV,R,CL EASILY DET,SMWHT SIM MAG'S,(8:50pm),R=G	
CR 168		Open Cluster II 2 p	
Mar 03 2021 36"	17mmT4	(II 2 p),MB,VL,LOOSELY SC,~30*S,SMWHT SAME MAG,(9:05pm),R=F	
CR 185		Open Cluster III 2 m	
Nov 24 2006 12.5"	12mmT4	PB,PL,~20*S,M CL,WELL PLACED,LOOSE,PAIR=2579,R=F	
ESO 370-9		Planetary Neb	
Nov 24 2006 12.5"	12mmT4	PF,VS,PATCH,CNTR *,F NEB JUST TO EDGE OF *,OIII MUCH BTR,MORE NEB,R=F	
HAFF 19		Open Cluster I 1 m n	
Mar 03 2021 36"	17mmT4	(I 1 P n),MB,VS,IN LBN 1066,(10:05pm),R=P	
IC 500		Galaxy E	
Nov 24 2006 12.5"	12mmT4	PF,MS,EL,PATCH,UB,NND,VF* IN EDGE,PAIR=PGC23034,R=F	
IC 2311		Galaxy E0:	
Nov 24 2006 12.5"	12mmT4	MF,MS,R,BSNUC,SHISB,BM,PAIRS=2566/PGC23291,R=F	
IC 2367		Galaxy SB(r)b	
Nov 24 2006 12.5"	12mmT4	MF,ML,PATCH,UB,NND,R=F	
IC 2375		Galaxy SB(s)b pec:	
Nov 24 2006 12.5"	12mmT4	VF,MS,EL-EDGE ON,PATCH,UB,NND,PAIRS=IC2377/IC2379,R=P	
IC 2377		Galaxy SB(r)a pec?	
Nov 24 2006 12.5"	12mmT4	PF,MS,OVAL,PATCH,UB,NND,PAIRS=IC2375/IC2379,R=F	
IC 2379		Galaxy S0/a	
Nov 24 2006 12.5"	12mmT4	PF,MS,OVAL,PATCH,UB,NND,PAIRS=IC2375/IC2377,R=F	
LBN 1066		Brn Nebula E	
Mar 03 2021 36"	17mmT4	(Lb 3),W/OIII,VF,VS,VS HINT OF NEB,SUR HAFFNER 19,(10:05pm),R=PF	
Nov 24 2006 12.5"	12mmT4	VF,MS,EL,AV,PATCH,PAIRS=SH2-311/2467,R=P	
NGC 2200		Galaxy SB(r)c	EF,PS,R,VLBM,
Nov 24 2006 12.5"	12mmT4	EF,PS,PATCH,SUSP,GOOD S,ON MERIDIAN,R=P	
NGC 2201		Galaxy SAB(r)b:	EF,S,R,PSLBM

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NGC 2201		Galaxy SAB(r)b:	EF,S,R,PSLBM
Nov 24 2006 12.5"	12mmT4	EF,VS,SUSP,GOOD S,ON MERIDIAN,R=P	
Feb 25 1984 12.5"	16mm	MF,PS,DIF,HUBBLES VARIABLE NEB,VF* AT TIP OF COMET LIKE OBJ,F* OFF TO SIDE	
NGC 2220		Open Cluster cluster?	CL,B,P,*8...
Nov 24 2006 12.5"	12mmT4	MB,PL,LOOSELY SC,~5*S,VAR MAG,R=P	
NGC 2298		Globular	GCL,B,PL,IR,GBM,RR
Dec 03 1980 12.5"	24mm		
NGC 2310		Galaxy S0 sp	PB,PL,VME45,PSLBM
Nov 24 2006 12.5"	12mmT4	VF,PS,EL,PATCH,UB,NND,R=P	
NGC 2328		Galaxy (R')SAB0-?	VF,S,VLE,BM,AM ST
Nov 24 2006 12.5"	12mmT4	VF,PS,OVAL,PATCH,UB,NND,R=P	
NGC 2396		H36-8	Open Cluster IV 1 m
Nov 24 2006 12.5"	12mmT4	VB,VL,LOOSELY SC,SLT CL,~20*S,VAR MAG,R=F	CL,VL,VLC
Nov 21 2006 12.5"	12mmT4	VB,VL,~20*S,LOOSELY SC,S CL,FEW B*S,VAR MAG,R=F	
NGC 2401		H65-7	Open Cluster I 1 p
Nov 24 2006 12.5"	12mmT4	MF,MS,~30-40*S,F GLOW,GOOD CL,SIM MAG,WELL PLACED,R=G	CL,S,CRI,CC,ST VS
NGC 2414		H37-8	Open Cluster I 3 m
Nov 24 2006 12.5"	12mmT4	MB,ML,~30*S,FEW B* WITH F BG,GOOD CL,WELL PLACED,R=G	CL,P,LC,ST9,\$C
Nov 21 2006 12.5"	12mmT4	PB,MS,~20*S,LOOSE,S CL,1B*,FEW FTR,R=F	
NGC 2421		H67-7	Open Cluster I 2 r
Oct 16 1982 12.5"	24mm	MF,ML,LOOSE AND SC,~30*S SAME MAG	CL,L,CRI,*11...13
Dec 03 1980 12.5"	24mm		
NGC 2422	M47	H38-8	Open Cluster I 3 m
Mar 03 2021 36"	55mm	(I 3 r),EB,EEL,2 FOV*S,MANY *S,VAR MAG,FILLS FOV,(8:45pm),R=G	CL,B,VL,PRI,ST L\$\$
Nov 24 2006 12.5"	12mmT4	VB,EL,NOT WELL PLACED,~20*S,LOOSELY SC,M47,R=F	
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 02 1984 10"	20mm	SAME	
Oct 16 1982 12.5"	24mm	VB,VL,FILLS 24MM,B*S,LOOSE AND SC,~50*S DIFF MAG	
Mar 27 1982 12.5"	24mm	VB,VL,B DBL * IN CINTER,~25*S,NO CL DET,JUST B*S	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Dec 03 1980 12.5"	24mm		
NGC 2423		H28-7	Open Cluster II 2 m
Oct 16 1982 12.5"	24mm	VF,VL,~50*S,OUTSIDE FIELD OF M47,~SAME MAG *S,LOOSE AND SC	CL,VL,RI,PC,ST VS
Dec 03 1980 12.5"	24mm		
NGC 2425		H87-8	Open Cluster II 1 m
Nov 24 2006 12.5"	12mmT4	MF,MS,~20*S,SIM MAG,GOOD CL,IRR IN SHAPE,R=G	CL,P,S,ST VS

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NGC 2427		Galaxy SAB(s)dm	EF,L,PME,GMBM,2*INV
Nov 24 2006 12.5"	12mmT4	NOT FOUND,LOC GOOD,JUST ABOVE HRZNZON ON MERIDIAN,GOOD S,SAME FOV AS HRZNZON	
NGC 2428		H47-8	Open Cluster cluster?
Nov 24 2006 12.5"	12mmT4	PB,ML,~20*S,V LTL CL,PAIR=2430,LOOSELY SC,R=P	CL,VL,VLC
NGC 2430		H46-8	Open Cluster asterism?
Nov 24 2006 12.5"	12mmT4	MB,ML,~10*S,V LTL CL,PAIR=2428,LOOSELY SC,R=P	CL,VL,VLC
NGC 2432		H36-6	Open Cluster II 2 m
Nov 24 2006 12.5"	12mmT4	PB,ML,~40*S,SLT CL,IRR IN SHAPE,VAR MAG,R=F	CL,PL,PC,E0,ST L\$S
Nov 21 2006 12.5"	12mmT4	MF,MS,~20*S,SIM MAG,LOOSELY CL,SC,R=F	
NGC 2437	M46	Open Cluster II 2 r	CL,VB,VRI,VL,INV PLN
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 02 1984 10"	20mm	SAME,S PLANTARY LOCATED IN CL	
Mar 27 1982 12.5"	24mm	MF,PL,HUNDREDS OF F* ~SAME MAG,WELL DISPERSED	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Dec 03 1980 12.5"	24mm		
NGC 2438		H39-4	Planetary Neb 4+2
Dec 28 2008 31"	17mmT4	VB,ML,R,2*S INSIDE CNTR RING,INNER AREA DARKER,MHISB INNER RING,OIII HELPS,R=E	PLN,PB,PS,VLE,R
Mar 19 2004 12.5"	12mmT4	W/OIII, PLANETARY IN M46,RING SHAPE,CNTR DARKNESS,DONUT APPEARANCE,R=E	
Mar 27 1982 12.5"	12mm	MF,PS,24MM-NO CNTR * DET,R,UB,12MM-CNTR * DET,UB,R,SOME DARK PATCHES SUSP	
Dec 03 1980 12.5"	24mm	PLANETARY IN M46,GREAT!!	
NGC 2439		Open Cluster II 3 r	CL,B,PRI,PL,LC,
Mar 03 2021 36"	31mmT5	(II 3 r),PB,VL,MANY *S VAR MAG,NICE FOV CL,(8:57pm),R=G	
Nov 24 2006 12.5"	12mmT4	PB,PL,R,APROX 50-70*S,VAR MAG,GOOD CL,WELL PLACED,R=G	
NGC 2440		H64-4	Planetary Neb 5+3
Dec 28 2008 31"	17mmT4	VB,PL,EL,NO CNTR*,IRR,2 HALVES/LOBS,HISB CNTR,F OUT SHELL,OIII HELP DETAIL,R=E	PLN,CB,NOT VWELL DEF
Dec 03 1980 12.5"	24mm	SIM TO SATURN NEB,B BLUE,SLT DIF NEB SUR OBJ	
NGC 2447	M93	Open Cluster I 3 r	CL,L,PRI,LC,ST8...13
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 02 1984 10"	20mm	SAME	
Mar 27 1982 12.5"	24mm	VB,ML,WELL PLACED,100*S ~SAME MAG	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Dec 03 1980 12.5"	24mm		
NGC 2451		Open Cluster II 2 m	CL,VVL,VLC,*4,5M
Dec 03 1980 12.5"	24mm	VL,SEEN BEST IN FINDER	
NGC 2452		Planetary Neb 4+3	PLN,F,S,LE,AM60*
Dec 28 2008 31"	17mmT4	MB,MS,OVAL,DARK AREA IN NEB DET,NO CNTR*,OIII DOESNOT HELP MUCH,GREENISH COLOR,R=G	
Nov 22 2006 12.5"	12mmT4	MF,VS,R,PAIR=2453,S BLUEISH BALL,OIII HELPS SMWHT,R=G	

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NGC 2452		Planetary Neb 4+3	PLN,F,S,LE,AM60*
Dec 03 1980 12.5"	24mm	NOT MUCH SURFACE B,PAIL GREY,OVAL,PATCH,BESIDE CL - 2453	
NGC 2453		Open Cluster I 3 m	CL,S,PRI,PC
Mar 03 2021 36"	17mmT4	(I 3 m),PB,PL,NICE FOV,CL,VAR MAG,~50*S,(9:00pm),R=FG	
Nov 22 2006 12.5"	12mmT4	MB,ML,~20*S,M CL,Y SHAPED,LOOSELY SC,PAIR=2452,VAR MAG,R=F	
NGC 2455		Open Cluster III 2 m	CL,CL,PRI,LC,ST12
Nov 24 2006 12.5"	12mmT4	MB,ML,~40*S,M CL,SIM MAG,WELL PLACED,R=G	
NGC 2467		H22-4	Open Cluster I 3 m n
Mar 03 2021 36"	31mmT5	(I 3 m n)MB,PL,~50*S,VAR MAG,MANY F*S,CL LOOKS BKN,INSIDE SH2-311,(10:20pm),R=FG	PB,VL,R,ER,*8M
Nov 24 2006 12.5"	12mmT4	VB,VL,LOOSE,NOT WELL DEFINED,NEB ASSOC WITH CL,PAIRS=SH2-311/LBN,R=P	
Nov 21 2006 12.5"	12mmT4	PF,VL,INSIDE SH2-311,SIM MAG,LOOSELY SC,APROX 50*S,R=F	
NGC 2477		Open Cluster I 2 r	CL,B,RI,L,LC,*12
Dec 03 1980 12.5"	24mm	LOOKS LIKE MINATURE BEEHIVE,RESEMBLES GLOB CLASS X	
NGC 2479		H58-7	Open Cluster III 1 m
Oct 16 1982 12.5"	24mm	MF,VL,40-50*S,SC,~SAME MAG	CL,PL,PRI,PC,ST S
NGC 2482		H10-7	Open Cluster IV 1 m
Dec 03 1980 12.5"	24mm	BLENDS IN WITH FIELD *S,DOESNOT STAND OUT WELL	CL,L,CRI,VLC
NGC 2483		Open Cluster III 2 m	CL,L,LC
Nov 24 2006 12.5"	12mmT4	PB,ML,~20*S,LOOSELY SC,LTL CL,VAR MAG,R=P	
NGC 2489		H23-7	Open Cluster I 2 m
Oct 16 1982 12.5"	24mm	MF,ML,~40*S SAME MAG,OVAL,WELL DISPERSED IN 24MM	CL,PL,CRI,PC,*11..13
Dec 03 1980 12.5"	24mm		
NGC 2501		Galaxy SAB(r)0^?	CF,S,VLE90,GLBM,AMST
Nov 24 2006 12.5"	12mmT4	MF,MS,OVAL,PATCH,UB,NND,PAIR=PGC22319,R=F	
NGC 2509		H1-8	Open Cluster I 1 r
Oct 16 1982 12.5"	24mm	MF,ML,~50*S,LOOSE,FEW B*S IN CL	CL,B,PRI,LC,ST S
NGC 2517		Galaxy SAB(rs)0^:	F,VS,R,BET3*13,14
Nov 24 2006 12.5"	12mmT4	MF,PS,OVAL,BSNUC,BET 2*S,R=F	
NGC 2525		H877-3	Galaxy SB(s)c
Dec 03 1980 12.5"	24mm		CF,PL,R,VGV LBM,AM ST
NGC 2527		H30-8	Open Cluster II2m
Oct 16 1982 12.5"	24mm	MB,ML,SC,~20*S SAME MAG	CL,VL,PRI,LC,*10..15
Dec 03 1980 12.5"	24mm		

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NGC 2533		Open Cluster II 2 r	CL,PL,RI,C,*9,13..14
Nov 24 2006	12.5" 12mmT4	MB,MS,APROX 40*S,GOOD CL,10 BTR *S WITH BG GLOW,WELL PLACED,R=F	
NGC 2539		H11-7	Open Cluster III 2 m
Dec 03 1980	12.5" 24mm	DBL * IN CL (YELLOW & BLUE),BEAUTIFUL!!!	CL,VL,RI,LC,*11...13
NGC 2546		Open Cluster III 2 m	CL,B,L,LC,IE,*9...12
Dec 03 1980	12.5" 24mm		
NGC 2559		Galaxy SB(s)bc pec:	F,PL,GMBM,AM60*
Nov 24 2006	12.5" 12mmT4	MF,ML,OVAL,PATCH,UB,NND,SVRL *S (3-4) IN AND SUR GLXY, SHISB,R=G	
NGC 2564		Galaxy S0-	VF,S,R,GBM,AMMANY*
Nov 24 2006	12.5" 12mmT4	VF,VS,PATCH,UB,NND,AV FIRST THEN HOLDS,R=P	
NGC 2566		H288-3	Galaxy (R')SB(rs)ab p:
Nov 24 2006	12.5" 12mmT4	MF,ML,OVAL,UB,BSNUC,PAIRS=IC2311/PGC23291,SHISB,R=G	VF,CL,ER
NGC 2567		H64-7	Open Cluster II 2 m
Oct 16 1982	12.5" 24mm	VF,ML,~40*S,SC,~SAME MAG *S	CL,PL,PRI,LC,IR,*11.
NGC 2568		Open Cluster II 2 m	VF,PL,F*INV
Nov 24 2006	12.5" 12mmT4	MF,MS,APPEARS AS AN ,EL GLXY,F GLOW,EL IN SHAPE,R=F	
NGC 2571		H39-6	Open Cluster II 3 m
Oct 16 1982	12.5" 24mm	MB,ML,*S DIFF MAG,SC,LOOSE,~30*S	CL,VL,CRI,LC,ST9...
NGC 2578		H902-3	Galaxy SB(r)0/a pec
Nov 24 2006	12.5" 12mmT4	MF,MS,OVAL,PATCH,UB,FSNUC,SHISB,PAIR=PGC23449,R=F	F,VLE,GBM,R,AM50*
NGC 2579		Open Cluster IV 2 p	D*IN PSNEB,AM70*
Nov 24 2006	12.5" 12mmT4	PB,PL,~10*S,SMWHT CL,LOOSE,SC,PAIR=CR185,R=P	
NGC 2580		Open Cluster II 2 m	CL,CL,PRI,PC,R,ST12
Nov 24 2006	12.5" 12mmT4	MB,ML,10 B*S WITH 20 FTR * 'S,GOOD CL,WELL PLACED,R=F	
NGC 2587		Open Cluster III 2 m	CL,PMCM,IF,ST9...13
Nov 24 2006	12.5" 12mmT4	PB,PL,~30*S,M CL,WELL PLACED,VAR MAG,R=F	
NGC 2588		Open Cluster II 1 p	CL,F,S,R,GBM,ST 15
Nov 24 2006	12.5" 12mmT4	PF,ML,~40-50*S,WELL CL,WELL PLACED,SIM MAG,R=F	
PGC 22177		Galaxy SB(r)b?	
Nov 24 2006	12.5" 12mmT4	VF,PS,PATCH,UB,NND,AV FIRST THEN HOLDS,R=P	
PGC 22272		Galaxy Sbc: sp	
Dec 12 2012	36" 17mmT4	EF,MS,EDGE ON,PA~45,UB,NND,EXT HARD TO LOCATE,V RICH * FIELD,AV JUST BARELY	

Puppis - The Stern of The Argo

PGC 22319			Galaxy SB(s)bc
Nov 24 2006 12.5"	12mmT4	EF,VS,PATCH,AV,PAIR=2501,R=P	
PGC 23034			Galaxy S
Nov 24 2006 12.5"	12mmT4	EF,VS,PATCH,AV,BET 2*S,PAIR=IC500,R=P	
PGC 23291			Galaxy E/S0
Nov 24 2006 12.5"	12mmT4	VF,PS,PATCH,UB,NND,AV,PAIRS=2566/IC2311,R=P	
PGC 23449			Galaxy Sb
Nov 24 2006 12.5"	12mmT4	EF,VS,PATCH,UB,NND,AV,PAIR=2578,R=P	
SAND 2-21			Planetary Neb
Nov 22 2006 12.5"	12mmT4	DIF,VF,MS,PATCH,UB,VF OVAL PATCH,NO CNTR *,OIII MAKE NEB STAND OUT BTR,R=F	
SH2 302			Brt Nebula E
Mar 04 2021 36"	31mmT5	(Lb 5),DIF,VF,VL,W/OIII,SLT HINT OF NEB W OB BOCHUM 5,SUR BOCHUM 5,(10:50pm),R=P	
SH2 307			Brt Nebula E
Mar 03 2021 36"	17mmT4	(Lb 3),W/OIII,VF,ES,PATCH,B CNTR OR F*,F NEB SUR BM,NEB NOT DET W/O OIII,(10:30pm),R=P	
SH2 311			Brt Nebula E
Mar 03 2021 36"	17mmT4	(Lb 1),W/OIII,MB,ML,FILTER HELPS A LOT,NEB BTR,WELL PLACED,BKN PATCHES,SUR N2467,(10:10pm),R=G	
Nov 24 2006 12.5"	12mmT4	DIF,PB,PL,W/OIII,PATCHY,DARK AREAS,CNTR *,B AREAS,PAIRS=2467/LBN1066,R=G	
Nov 21 2006 12.5"	12mmT4	DIF,PB,VL,OVAL-R,BNUB,MHISB,PATCHY IN AREAS,PAIR=2467,R=E	

Pyxis - The Compass

MAC 0847-2003			Galaxy	
Feb 09 2013 36"	17mmT4	EF,ES,OVAL,PATCH,*NUC,PAIR=PGC24685,R=P		
MINK 3-6			Planetary Neb 2a	
Dec 28 2008 31"	17mmT4	MB,PS,OVAL-R,UB,NO CNTR*,B BLUEISH BALL,OIII HELPS LTL,MORE BLUE,R=G		
NGC 2613		H266-2	Galaxy SA(s)b	CB,L,VME110
Oct 22 1982 12.5"	16mm	VDIF,VF,MS,EL,F FIELD	*S SUR OBJ,NND,UB	
NGC 2627		H63-7	Open Cluster II 2 r	CL,CL,PRI,PC,*11..13
Oct 22 1982 12.5"	16mm	MF,MS,FEW B*S WITH FTR BG	*S,CL TO S SUSP	
NGC 2818			Planetary Neb PN	PLN,PB,PL,R,VGLBM
Dec 28 2008 31"	17mmT4	MB,MS,UB,NO CNTR*,NEB INSIDE CL CR 206,W/OIII,NEB HAS PATCHY AREAS,R=G		
NGC 2818A			Open Cluster III 1 m n	
Dec 28 2008 31"	17mmT4	MB,VL,~50*S LOOSELY SC,M CL,*S SIM MAG,FEW B*S,R=G		
PGC 24479			Galaxy SBd?sp	
Feb 09 2013 36"	17mmT4	MB,ML,EDGE ON,UB,NND,PA~90,SLT CNTR BULGE,R=F		
PGC 24685			Galaxy SAbc: sp	
Feb 09 2013 36"	17mmT4	MF,ML,EDGE ON,UB,NND,VF*	JUST OFF NUC,PA~160,PAIR=MAC,NO CNTR BULGE,R=F	

Sculptor - The Sculptor

IC 5350		Galaxy E?	
Sep 11 2012 36"	17mmT4	MF,MS,OVAL,VFSNUC,AGC 4038,R=F	
IC 5353		Galaxy S0-	
Sep 11 2012 36"	17mmT4	MF,MS,OVAL,FLNUC,AGC 4038,R=F	
IC 5354		Galaxy E?	
Sep 11 2012 36"	17mmT4	MF,MS,OVAL,FLNUC,AGC 4038,R=F	
IC 5358		Galaxy E+4 pec	
Sep 11 2012 36"	17mmT4	MF,MS,EL,UB,NND,INTRACT=PGC72437,END TO END,CAN SEP,AGC 4038,R=F	
MAC 0113-3150		Galaxy	
Sep 11 2012 36"	17mmT4	PF,PS,OVAL,PATCH,SMWHT BM,17 DEG ABOVE HRZN,NGC/PGC/MAC'S PRESENT,R=PF	
MAC 2346-2810		Galaxy	
Sep 11 2012 36"	17mmT4	EF,VS,PATCH,TOOK AV AWHILE,AGC 4038,R=P	
MAC 2347-2758		Galaxy	
Sep 11 2012 36"	17mmT4	EF,ES,TOOK AV AWHILE TO HOLD,AGC 4038,R=P	
MAC 2347-2800A		Galaxy	
Sep 11 2012 36"	17mmT4	EF,ES,AV ONLY ONCE,SUSP,AGC 4038,R=P	
MAC 2347-2807		Galaxy	
Sep 11 2012 36"	17mmT4	EF,VS,PATCH,HARD TO HOLD WITH AV,AGC 4038,R=F	
MAC 2347-2807A		Galaxy	
Sep 11 2012 36"	17mmT4	VF,VS,PATCH,UB,NND,AGC 4038,R=P	
MAC 2348-2806		Galaxy	
Sep 11 2012 36"	17mmT4	NO FIND,TOO CLOSE TO B* IN FOV,AGC 4038,R=P	
MAC 2348-2809		Galaxy	
Sep 11 2012 36"	17mmT4	EF,VS,PATCH,SEARCH FOR SVRL MINUTES,AV ONLY ONCE,SUSP,AGC 4038,R=P	
MCG -5-4-12		Galaxy S	
Sep 11 2012 36"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,17 DEG ABOVE HRZN,NGC/PGC/MAC'S PRESENT,R=PF	
MCG -5-4-13		Galaxy E	
Sep 11 2012 36"	17mmT4	PF,MS,OVAL,PATCH,SMWHT BM,17 DEG ABOVE HRZN,NGC/PGC/MAC'S PRESENT,R=F	
NGC 24		H461-3	Galaxy SA(s)c
Sep 04 2002 12.5"	16mm	PB,PL,EDGE ON,UB,MHISB,F* IN EDGE OF GLXY	VF,CL,ME,GBM
NGC 55		Galaxy SB(s)m: sp	VB,VL,VME,TRIN
Sep 23 1981 12.5"	24mm	VDIF,MF,PL,EDGE ON,F* SIDE OF GLXYAXY BY NUC,NND	

Sculptor - The Sculptor

NGC 131		Galaxy SB(s)b: sp	F,PL,PME,VGBM,P OF 2
Nov 13 2023 12.5"	12mmT4	EF,PS,OVAL,UB,AV FIRST THEN HOLDS,PAIR=N134,R=P	
NGC 134		Galaxy SAB(s)bc	VB,L,VME47,PSBM,FOF2
Nov 13 2023 12.5"	12mmT4	MF,PL,OVAL,UB,NND,PAIR=N131,R=FG	
Sep 23 1981 12.5"	16mm	DIF,PF,ML,FARMS,NE OF *S IN PERFECT DICE (#5) SHAPE,NO SPRIAL STR SUSP,NND	
Sep 09 1980 12.5"	24mm		
NGC 148		Galaxy S0⁺: sp	VB,S,LE90,SMBM*11
Sep 23 1981 12.5"	16mm	DIF,EF,ES,BARREN FIELD OF *S,F*SW(?),DETECTION OF GLXYXY UNCERTAIN	
NGC 150		Galaxy SB(rs)b:	PF,PS,R
Sep 22 2022 12.5"	12mmT4	MB,ML,OVAL,UB,NND,MHISB,R=GE	
Sep 23 1981 12.5"	16mm	DIF,MF,PS,FARMS,DIF THROT,NO NUC DET,R	
Sep 09 1980 12.5"	24mm		
NGC 253	H1-5	Galaxy SAB(s)c	VVB,VVL,VME54,GBM
Sep 22 2022 12.5"	12mmT4	EB,EL,EL-EDGE ON,NND,HISB,CNTR AREA BKN,MANY F*S IN GAL,PATCHES,H2 RGNS,DUST,FILLS FOV EDGE TO EDGE,BEST TODATE,R=EEE	
Sep 06 2002 12.5"	9mmT6	VB,VL,SPRIAL STR,GLXY 2 FOV IN SIZE,DUST LANES,BREAKS DET,B RGN DET	
Sep 23 1981 12.5"	24mm	DIF,MB,EL,EDGE ON,DARMS,DUST LANE,F* CNTR-W ARM S OF NUC,B* SE&W,KNTY STR SP	
Oct 31 1980 12.5"	24mm		
Oct 29 1980 8"	24mm		
Sep 09 1980 12.5"	24mm	E!!,BEST SIGHTING TO DATE	
Sep 07 1980 12.5"	24mm		
Aug 22 1980 12.5"	24mm	VL	
NGC 254		Galaxy (R)SAB(r)0+:	VB,PS,LE,SMBM,*8NF5'
Sep 23 1981 12.5"	16mm	DIF,VF,ES,FARMS,R,NEC SUSP,F*E,B* FARTHER E	
NGC 288	H20-6	Globular X	GCL,B,L,LE,*12...16
Sep 22 2022 12.5"	12mmT4	(Class VIII),PB,PL,R,LBNUC,MOD HISB NUC,MANY *S RELV TO CORE,V IMPRESSIVE,R=E	
Sep 26 2019 36"	17mmT4	(Class XII),VB,EL,LOOKS LIKE OPEN CL,V LTL CNTR CL,R=G	
Sep 23 1981 12.5"	16mm	DIF,MB,EL,R,SVRL HUNDRED *S SAME MAG,V LTL CL TOWARDS MID	
Sep 09 1980 12.5"	16mm	RSLV TO CORE,E!!	
NGC 289		Galaxy SB(rs)bc	VB,L,PME,GBM,*11NP
Sep 23 1981 12.5"	16mm	DIF,MF,ML,EL,UB,NND,NO *S	
Sep 09 1980 12.5"	32mm	EXTREME EDGE OF VISIBILITY	
NGC 300		Galaxy SA(s)d	PB,VL,VMIE,VGPMBM
Sep 23 1981 12.5"	16mm	DIF,EF,ML,ENCOMP 5F*S IN 24MM,N SIDE BTR,MILKY GLOW	
NGC 439		Galaxy SAB(rs)0-?	PB,S,R,GBM
Sep 11 2012 36"	17mmT4	MB,PL,OVAL,BLNUC,HISB CNTR,17 DEG ABOVE HRZN,NGC/PGC/MAC'S,PRESENT,R=F	
NGC 441		Galaxy (R')SB(rs)0/a:	PF,S,R,GBM

Sculptor - The Sculptor

NGC 441		Galaxy (R')SB(rs)0/a:	PF,S,R,GBM
Sep 11 2012 36"	17mmT4	MB,ML,OVAL,BLNUC,HISB CNTR,17 DEG ABOVE HRZN,NGC/PGC/MAC'S PRESENT,R=F	
NGC 613		H281-1 Galaxy SB(rs)bc	VB,VL,VME118,SBM,*NF
Sep 27 1981 12.5"	16mm	DIF,MF,ML,ELDNUC,FARMS,11 MAG * NW,SBM,NUC DET,OBLONG IN SHAPE	
Oct 29 1980 8"	24mm		
Sep 09 1980 12.5"	32mm		
NGC 7507		H2-2 Galaxy E0	PB,CS,R,PSVMBM,*10NP
Sep 27 1981 12.5"	16mm	MB,MS,BNUC,MBM,R,HISB IN CNTR NUC,NUC DET,F* OFF TO W	
Sep 09 1980 12.5"	16mm	BNUC	
NGC 7749		Galaxy SA0^	VF,S,R,GMBM,*12F
Sep 10 1980 12.5"	24mm		
NGC 7755		Galaxy SB(rs)c:	B,CL,R,PSMBM
Sep 27 1981 12.5"	16mm	EDIF,EF,ML,EDGE OF VIS,PATCHY WITH AV,NND	
NGC 7793		Galaxy SA(s)d	LIKE A COMET 1850
Sep 21 1984 12.5"	16mm	F* N AND S,VDIF,MF,PL,SBM,UB	
Sep 24 1981 12.5"	24mm	F* N AND S,2F*S N FARTHER,R,NO SPR STR SUSP,NND	
PGC 1942		Galaxy Sc sp	
Dec 12 2012 36"	17mmT4	PF,MS,EDGO ON,PATCH,NND,SMWHT CNTR BULGE,PA~90,R=PF	
PGC 4452		Galaxy E	
Sep 11 2012 36"	17mmT4	MF,MS,OVAL,BSNUC,MBM,17 DEG ABOVE HRZN,NGC/PGC/MAC'S PRESENT,R=F	
PGC 72393		Galaxy	
Sep 11 2012 36"	17mmT4	PF,VS,R,AGC 4038,R=F	
PGC 72403		Galaxy	
Sep 11 2012 36"	17mmT4	VF,VS,PATCH,NND,AGC 4038,R=P	
PGC 72423		Galaxy	
Sep 11 2012 36"	17mmT4	VF,VS,PATCH,UB,NND,AGC 4038,R=P	
PGC 72429		Galaxy	
Sep 11 2012 36"	17mmT4	EF,VS,PATCH,HARD TO HOLD WITH AV,AGC 4038,R=P	
PGC 72436		Galaxy	
Sep 11 2012 36"	17mmT4	EF,VS,PATCH,HARD TO HOLD WITH AV,AGC 4038,R=P	
PGC 72437		Galaxy	
Sep 11 2012 36"	17mmT4	MF,MS,EL,UB,NND,INTRACT=IC5358,END TO END,CAN SEP,AGC 4038,R=F	
PGC 72450		Galaxy S?	

Sculptor - The Sculptor

PGC 72450		Galaxy S?
Sep 11 2012 36"	17mmT4	VF,PS,PATCH,UB,NND,AGC 4038,R=P
PGC 72451		Galaxy
Sep 11 2012 36"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,AGC 4038,R=P
PGC 72464		Galaxy
Sep 11 2012 36"	17mmT4	VF,VS,PATCH,AV,AGC 4038,R=P
PGC 72466		Galaxy E
Sep 11 2012 36"	17mmT4	PF,MS,OVAL,PATCH,FSNUC,AGC 4038,R=F
PGC 72469		Galaxy
Sep 11 2012 36"	17mmT4	VF,VS,OVAL,PATCH,UB,AGC 4038,R=P
PGC 72471		Galaxy
Sep 11 2012 36"	17mmT4	VF,PS,OVAL,PATCH,UB,AGC 4038,R=P
PGC 72473		Galaxy
Sep 11 2012 36"	17mmT4	VF,VS,PATCH,AV,AGC 4038,R=P
PGC 72476		Galaxy
Sep 11 2012 36"	17mmT4	PF,MS,OVAL,NND,AGC 4038,R=P

Scorpius - The Scorpion

CR 333		Open Cluster II 2 m	
May 12 2021 36"	31mmT5	(II 2 p),MB,ML,~15-20*S,SIM MAG,CL DET,STAND OUT WELL IN FOV,(2:41am),R=F	
CR 336		Open Cluster III 3 m	
May 12 2021 36"	17mmT4	(III 3 m),PB,ML,~40*S VAR MAG,SMWHT CL,B RED * IN CL,(2:54am),R=F	
CR 337		Open Cluster III 2 m n	
May 12 2021 36"	31mmT5	(III 2 m),MB,VL,~40*S VAR MAG,CL DET,(3:03am),R=F	
DJORG1		Globular	
Jul 01 2019 36"	17mmT4	(Class ?),EF,ES,PATCH,ALM *,R=P	
ESO 452-11		Globular	
Jun 25 2019 36"	17mmT4	(Class ?),VF,ES,ALM *,VF GLOW,CLOSE TO F*,R=P	
IC 4592		Brn Nebula R	
May 12 2021 36"	31mmT5	(Lb 3),VB,VL,NEB DET W/OIII,BLUEISH GREEN NEB SUR B**,PATCHY,(12:38am),R=F	
May 12 2021 36"	55mm	(Lb 2),DIF,VB,EL,OIII HELPS,BEST PARTS SUR B**,F PATCH AREAS,NOT WELL DEF,EDGES FADE,(12:30am),R=F	
LILL 1		Globular	
Jun 28 2019 36"	17mmT4	(Class VII),VF,VS,R,SB NUC,VF HALO SUR NUC,R=PF	
NGC 6072		Planetary Neb 3a	PF,R,VGV LBM,R
May 17 2009 31"	17mmT4	PB,PL,NO CNTR*,R,UB,FRAILED EDGES,OIII HELPS NEB A LTL,R=G	
NGC 6093	M80	Globular	GCL,VB,L,VMBM(VAR*)
Sep 26 2019 36"	17mmT4	(Class IV),VB,VL,BSNUC,GETTING LOW IN SW,RSLV TO CORE,S CORE WITH MANY F*S SUR NUC,R=GE	
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Sep 10 1980 12.5"	24mm		
Jul 17 1980 12.5"	24mm		
Jun 18 1980 12.5"	24mm		
NGC 6121	M4	Globular	CL,8OR1OB*LINE,RRR
Jun 25 2019 36"	17mmT4	(Class X),EB,EL,FILLS FOV,L FT CNTR GLOW,RSLV,R=G	
May 09 2010 31"	17mmT4	(Class VIII),VB,EL,RSLV TO CORE,WIDELY SC OUTER HALO,VAR MAG'S,CORE VAR MAG'S,R=E	
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Sep 10 1980 12.5"	24mm		
Sep 03 1980 12.5"	24mm		
Jul 17 1980 12.5"	24mm		
Jun 20 1980 12.5"	24mm		
Jun 18 1980 12.5"	16mm	LOOKS IMPRESSIVE	
May 07 1980 5"	9mm		
Apr 16 1980 6"	24mm		

Scorpius - The Scorpion

NGC 6124		Open Cluster I 3 r	CL,B,L,PRI,LCM,*9.11
May 28 2008 31"	17mmT4	EB,EEL,~50-70*S,VAR MAG,SVRL FOV'S,M CL CNTR,R=F	
NGC 6139		Globular	B,PL,R,PSBM,RR
Jun 25 2019 36"	17mmT4	(Class III),MB,ML,MHISB,9 DEG ALT,VMBM,R HALO WITH BCORE,R=G	
NGC 6144		H10-6	Globular XI
Jun 25 2019 36"	17mmT4	(Class XI),VF,ML,DOZEN BTR *S ON TOP OF FT GLOW,RSLV,JUPITER CLOSE BY,R=G	CL,CL,MC,GBM,RRR
May 28 2008 31"	17mmT4	MB,PL,RSLV,SVRL B*S WITH FTR BG,CORE NOT SO COMPACT,R=G	
Aug 13 1982 12.5"	24mm	DIF,MF,PS,CLOSE TO ANTARIES,F*W,F*N EDGE,OVAL,NO CNTR GATHERING DET	
NGC 6153		Planetary Neb 4	PLN,STELLAR
May 17 2009 31"	17mmT4	VB,ML,R,UB,HISB,NO CNTR*,B BLUEISH GREEN,OIII HELPS,R=E	
NGC 6231		Open Cluster I 3 p	CL,B,CL,PRI,ST10..13
May 28 2008 31"	17mmT4	EF,EL,~50-70*S,GOOD CL,FILLS FOV,B*S VAR MAG,7 DEG ALT,R=G	
NGC 6256		Globular	GCL,VF,VL,IR,VGBM
Jun 25 2019 36"	17mmT4	(Class XII),EF,MS,PATCH,LOC E,JUST A VF PATCH WITH AV,R=P	
NGC 6302		Planetary Neb 6	PB,E PF,(SWIFT,TRIP)
May 18 2009 31"	17mmT4	VB,VL,EL,B BLUE-GREEN,IRR IN SHAPE,HISB,B CNTR RGN SUR CNTR*,BM,NO CNTR* JUST B RGN TAPERED ENDS,ONE SIDE THINNER AND THICKER THAN OTHER,OIII HELPS,NEB GRAN BKN IN PARTS,NEB S-SHAPE,R=E	
May 28 2008 31"	17mmT4	VB,VL,EL,HISB,B CNTR * RGN,PATCHY AREAS OF NEB DET,B AREAS,W/OIII,MORE DETAIL IN NEB,B GREEN,E,R=E	
NGC 6337		Planetary Neb 4	RINGNEB,EF,S,AM ST
May 18 2009 31"	17mmT4	MB,ML,TRANSLUCENT BALL WITH CNTR* OFF CNTR,~14TH MAG,PATCHES OF NEB IN BALL DET,OUTER RING BTR,OIII HELPS,LIKE M57,KNOCKS OUT CNTR*,R=G	
NGC 6357		Brn Nebula E	F,L,E,VGLBM,D*INV
May 13 2021 36"	31mmT5	(Lb 1 & Lb 4),SCAN,2-3 FOV,VF PATCHY NEB GLOW,NW OF B* IN CNTR IS B EL NEB PATCH,STANDS OUT WELL IN OIII,(2:20am),R=F	
NGC 6380		Globular	EF,PS,LE,*9ATT
Jun 28 2019 36"	17mmT4	(Class ?),EF,ES,AV,7 DEG ALT,LOC GOOD,1 OR 2 VF *S,BFIELD * CLOSE TO CL,R=P	
NGC 6383		Open Cluster II 3 m n	CL,ST13,*6,7 IN M
May 12 2021 36"	31mmT5	(II 3 p n),MB,ML,B* IN CL,F NEB DET,~20*S VAR MAG,W/OIII,NEB EASILY DET,PATCHY,(2:44am),R=F	
NGC 6405	M6	Open Cluster II 3 r	CL,L,IR,LC,ST7,10...
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Sep 10 1980 12.5"	24mm		
NGC 6416		Open Cluster III 2 m	CL,VL,RI,LC
May 12 2021 36"	55mm	(III 2 m),MB,VL,~40-50*S SMWHT SIM MAG,POOR CL,(3:06am),R=PF	

Scorpius - The Scorpion

NGC 6441		Globular	GCL,VB,PL,R,VGMBM,
Jul 01 2019 36"	17mmT4	(Class IX),VB,VL,R,BLNUC,HISB,B* CLOSE BY IN FOV,L FT OUTER *S,MBM,10 DEG ALT,R=G	
NGC 6451		H13-6	Open Cluster I 2 r n
Aug 13 1982 12.5"	24mm	MF,MS,HAS A N BULGE OF *S,30-40*S WITH F BG GLOW OF MANY *S	CL,PL,PRI,BIFID,ST12
Jun 18 1980 12.5"	24mm		
NGC 6453		Globular	CL,IR,PMBM,R
Jul 01 2019 36"	17mmT4	(Class IX),PF,MS,FEEW BTR *S ON TOP OF FTR *S,L SOFT GLOW NUC,R=F	
NGC 6475	M7	Open Cluster I 3 r	CL,VB,PRI,LC,*7...12
May 12 2021 36"	55mm	(I 3 r),VB,VL,NICE FOV,B* W/VAR MAG CL,EASILY DET,FILLS FOV,(3:24am),R=G	
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Sep 10 1980 12.5"	24mm		
SH2 9		Brn Nebula E+R	
May 12 2021 36"	31mmT5	(Lb 5),DIF,EF,W/OIII,NEB BARELY DET NE EDGE,NO NEB W/O FILTER,PATCHY,EDGE NOT DEFINED,(12:44am),R=P	
TER 1		Globular	
Jul 01 2019 36"	17mmT4	CALSS XII,EF,ES,PATCH,UB,NND,F* ON EDGE,VF PATCH OFF F*,R=P	
Jun 28 2019 36"	17mmT4	(Class ?),EF,VS,PATCH,AV,LOC GOOD,COMES AND GOES,R=P	
TER 2		Globular	
Jun 28 2019 36"	17mmT4	(Class II ?),VF,ES,VSB NUC,NO *S ALM * LIKE,R=PF	
TER 3		Globular	
Jun 25 2019 36"	17mmT4	(Class XII ?),AV,MAYBE A FEW *S,LOC GOOD, 13 DEG ALT,SUSP,R=P	
TER 4		Globular	
Jun 28 2019 36"	17mmT4	(Class ?),EF,ES,PATCH AV,SUSP,LOC E,VF PATCH W/AV,R=P	
TER 6		Globular	
Jul 01 2019 36"	17mmT4	(Class ?),EF,ES,SUSP,LOC GOOD,R=P	
TON 2		Globular	
Jun 28 2019 36"	17mmT4	DNF LOC GOOD,9 DEG ALT WITH LIGHT CLOUDS,R=?	

Scutum - The Shield

CR 388		Open Cluster I 2 m	
May 13 2021 36"	31mmT5	(I 2 m),MB,PL,~50**S VAR MAG,CL EASILY DET,(3:17am),R=G	
IC 1287		Brn Nebula R	
Jun 23 2022 36"	31mmT5	(Lb 2),DIF,MF,MS,NICE BLUE/YELLOW DBL * IN NEB,BTEST PART SUR **,OIII DOES NOT HELP MUCH,NEB VF AWAY FROM **, (1:45am),R=F	
Sep 05 2007 31"	31mmT5	W/OIII,EF,EL,NEB DET SUR BTR *,SOME NEB SUSP FURTHER OUT,OIII HELPS,R=F	
IC 1295		Planetary Neb 3b+2	
Aug 23 2009 31"	12mmT4	MF,PL,OVAL,PATCHY,NO CNTR*,SVRL F*S IN NEB,SOME CLOSE TO CNTR,OIII HELPS,DARK INNER HOLE,BREAK IN EDGES,PAIR=SAND2-374,R=F	
Sep 05 2007 31"	17mmT4	W/OIII,MB,ML,OVAL,PATCH,SHISB,PATCHY AREAS,FEW F*S IN NEB,R=E	
MINK 3-28		Planetary Neb 2+3	
Aug 13 2007 31"	17mmT4	VF,VS,PATCH,UB,W/OIII,CAN SEE L AREA OF NEB,DOESNOT HELP MUCH,R=F	
NGC 6625		Open Cluster IV 3 m n	CL,LC,LRI,ST11...12
Aug 13 2007 31"	31mmT5	VB,EL,FEW B*S,LOOSELY CL,SOME NEB DET,R=P	
NGC 6631		Open Cluster II 1 m	CL,PL,PRI,ST12...15
Aug 13 2007 31"	31mmT5	PB,BL,~20**S SAME MAG,WELL CL,V SHAPE F*S,R=F	
NGC 6639		Open Cluster	CL,IN MILKY WAY
Aug 13 2007 31"	31mmT5	PB,VL,~10 B*S WITH ~10 FTR *S,SMWHT CL,BOX SHAPE,R=F	
NGC 6649		Open Cluster I 3 m	CL,P,LC,PS,*9,10,12.
May 13 2021 36"	31mmT5	(I 3 m),MB,PL,NICE YE/BL CLOSE D* ON EDGE,CL EASILY DET,~50**S VAR MAG,(3:13am),R=G	
Aug 13 2007 31"	31mmT5	VB,VL,WELL CL,RED CARBON * IN CL,~50**S,R=G	
NGC 6664		H12-8	Open Cluster III 2 m
Aug 13 2007 31"	31mmT5	VB,EEL,~40**S,SOME CL,LOOSELY SC,FILLS FOV,R=P	CL,L,PRI,VLC
Aug 13 1982 12.5"	24mm	MB,VL,~20**S,SC,B* IN FIELD,SMWHT V SHAPED	
NGC 6682		Open Cluster star clou	CL,L,RI,ST10...18
Aug 13 2007 31"	31mmT5	VB,EEL,SVRL FOV'S,LOOSE SC,* CLOUD,CLASSIFIED NON-EXISTENT,R=P	
NGC 6683		Open Cluster II 1 p n	CL,VRI,VLC,IN M WAY
Aug 13 2007 31"	31mmT5	VB,VL,~30**S SIM MAG,M CL,HUNDREDS OF BG *S,R=F	
NGC 6694	M26	Open Cluster II 3 m	CL,CL,PRI,PC,ST12.15
May 13 2021 36"	31mmT5	(II 3 m),VB,EL,V NICE FOV,~50**S VAR MAG,V RICH FOV,CL DET,(3:21am),R=GE	
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
NGC 6704		Open Cluster I 2 m	CL,B,60ST13
Aug 13 2007 31"	31mmT5	VB,VL,~40**S,SVRL B*S,M CL,WELL PLACED,LOOSELY SC,R=G	
NGC 6705	M11	Open Cluster I 2 r	CL,VB,L,IR,RI,*9,

Scutum - The Shield

NGC 6705	M11	Open Cluster I 2 r	CL,VB,L,IR,RI,*9,
May 13 2021 36"	31mmT5	(I 2 r),EB,EL,V RICH * FOV,CL EASILY DET,STANDS OUT WELL,* SMWHT VAR MAG,(3:27am),R=E	
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jul 15 1980 12.5"	24mm		
May 07 1980 5"	9mm		
NGC 6712	H47-1	Globular IX	GCL,PB,VL,IRR,RRR
Jun 28 2019 36"	17mmT4	(Class XI),MF,PL,LF NUC,F OUTER *S RSLV,UB CORE,R=G	
Sep 05 2007 31"	17mmT4	PB,VL,OVAL,HUNDREDS *S,RSLV TO CORE,*S MOSTLY SAME MAG,R=E	
Aug 13 2007 31"	31mmT5	VB,VL,RSLV,17MM *S IN CORE DET,R=E	
Aug 13 1982 12.5"	16mm	MB,VL,OVAL,PATCHY,SBM,OUTER *S STARTING TO RSLV	
SAND 2-374		Planetary Neb	
Aug 23 2009 31"	12mmT4	VF,VS,R,UB,VS BLUEISH-GREY BALL,NEED TO * HOP FROM IC1295,USE OIII TO MAKE IT STAND OUT,F*S CLOSE BY,R=P	
Sep 05 2007 31"	17mmT4	W/OIII,VF,ES,STANDS OUT AS VS BLUE BALL,LOC IN CLOSE ARC OF *S,R=F	
SH2 55		Brt Nebula E	
Jun 23 2022 36"	17mmT4	(Lb 4),DIF,EF,PS,LOC GOOD,MAYBE SOME NEB WITH AV,W/OIII,FT NEB DET AROUND DBL *,(2:04am),R=P	

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IC	1105		Galaxy S?
Apr 07 2008	31"	17mmT4	PF,PS,OVAL,FSNUC,PAIRS=PGC54327,R=F
IC	1106		Galaxy
Apr 07 2008	31"	17mmT4	PF,VS,PATCH,UB,NND,R=P
IC	1107		Galaxy
Apr 07 2008	31"	17mmT4	PF,VS,PATCH,UB,NND,R=P
IC	1109		Galaxy
Apr 07 2008	31"	17mmT4	MF,PS,PATCH,UB,NND,R=F
IC	1112		Galaxy SA(r)0+?
Apr 07 2008	31"	17mmT4	VF,PS,OVAL,VFSNUC,R=P
IC	1113		Galaxy Sb
Apr 07 2008	31"	17mmT4	EF,VS,PATCH,UB,NND,R=P
IC	1116		Galaxy S0?
May 28 2008	31"	17mmT4	MB,ML,OVAL,BLNUC,SHISB,MHISB CNTR,PAIRS=MAC'S/PGC,R=G
IC	1117		Galaxy
May 28 2008	31"	17mmT4	MF,MS,EL,FLNUC,R=F
IC	1118		Galaxy S
May 28 2008	31"	17mmT4	MF,MS,R,BLNUC,SBM,MHISB CNTR,PAIR=MAC,R=F
IC	1119		Galaxy S
May 28 2008	31"	17mmT4	PF,MS,PATCH,NND,R=P
IC	1121		Galaxy C
May 28 2008	31"	17mmT4	MF,MS,PATCH,BLNUC,SHISB,VF* IN EDGE,R=F
IC	1124		Galaxy S?
May 28 2008	31"	17mmT4	MB,ML,EDGE ON,UB,NND,MHISB,F* IN EDGE,SOME CNTR BULGE,R=G
IC	1125		Galaxy Sdm:
May 28 2008	31"	17mmT4	DIF,PF,PL,OVAL,PATCH,UB,NND,R=F
IC	1128		Galaxy S0:
May 28 2008	31"	17mmT4	MF,MS,OVAL,BSNUC,PAIR=PGC55640,R=F
IC	1130		Galaxy S
Apr 06 2008	31"	17mmT4	PF,MS,PATCH,UB,NND,R=P
IC	1131		Galaxy E1:
Jun 01 2008	31"	17mmT4	MB,MS,EL-OVAL,BLNUC,R=F

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IC	1132		Galaxy SA(rs)c
Jun 01 2008	31"	17mmT4	DIF,PF,VL,OVAL,PATCH,UB,NND,R=F
IC	1133		Galaxy Scd:
Apr 06 2008	31"	17mmT4	VF,MS,EL,PATCH,UB,NND,R=P
IC	1134		Galaxy E
Jun 01 2008	31"	17mmT4	PF,MS,R,FLNUC,PAIR=PGC55938,R=F
IC	1135		Galaxy Sb
Jun 01 2008	31"	17mmT4	PF,MS,EL-EDGE ON,PATCH,UB,NND,R=F
IC	1136		Galaxy C
Jun 01 2008	31"	17mmT4	PF,PS,EL-OVAL,FSNUC,R=F
IC	1141		Galaxy SB?
Jun 01 2008	31"	17mmT4	MF,PS,OVAL-R,BNUC,BM,R=F
IC	1142		Galaxy Scd:
Jun 01 2008	31"	17mmT4	VDIF,EF,PL,OVAL,PATCH,UB,NND,R=P
IC	1149		Galaxy Sbc
Jun 01 2008	31"	17mmT4	MB,ML,OVAL,PATCH,UB,NND,SHISB,PAIR=MAC,R=G
IC	1151		Galaxy SB(rs)c
Jun 01 2008	31"	17mmT4	MB,ML,EL,NND,SHISB,PATCHY AREAS,EDGES TAPERED BOTH SIDES,R=G
IC	1155		Galaxy SAB(rs)bc
Jun 01 2008	31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,VF* OUTER EDGE,R=P
IC	1157		Galaxy SB
Jun 01 2008	31"	17mmT4	VF,PS,OVAL,UB,NND,PAIRS=IC1159/MAC,R=P
IC	1158		Galaxy SAB(r)c:
Jun 01 2008	31"	17mmT4	VDIF,VF,PL,PATCH,NND,VF* IN GLXY,PATCHY AREAS,R=F
IC	1159		Galaxy
Jun 01 2008	31"	17mmT4	VF,PS,OVAL,UB,NND,PAIRS=IC1157/MAC,R=P
IC	1161		Galaxy E
May 17 2009	31"	17mmT4	MF,MS,R,FLNUC,AGC2147,R=F
May 14 2009	31"	17mmT4	MF,MS,OVAL,BLNUC,R=F
Jun 01 2008	31"	17mmT4	PF,PS,OVAL-R,FLNUC,R=F
IC	1163		Galaxy E
May 14 2009	31"	17mmT4	MF,MS,R,FLNUC,R=F
Jun 01 2008	31"	17mmT4	PF,PS,OVAL-R,FLNUC,R=F

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IC 1167		Galaxy L
Jun 01 2008 31"	17mmT4	PF,PS,OVAL,UB,NND,PAIRS=IC1168/MAC'S,R=F
IC 1168		Galaxy E
Jun 01 2008 31"	17mmT4	PF,PS,OVAL,FSNUC,PAIRS=IC1167/MAC'S,MAC ON OUTER EDGE,R=F
IC 1169		Galaxy S?
Jun 24 2022 36"	17mmT4	MB,MS,OVAL,LBNUC,HISB MID,GRAN HALO,R=FG
IC 1174		Galaxy SA0/a:
Jun 24 2022 36"	17mmT4	MB,MS,OVAL-R,LFNUC,F HALO,R-FG
IC 1196		Galaxy Sa
Jun 24 2022 36"	17mmT4	PF,MS,OVAL,NND,SHISB,R=F
IC 1197		Galaxy Scd:
May 30 2014 36"	17mmT4	MF,PL,EDGE ON,UB,NND,PA~50,TAPERED ENDS,R=FG
IC 1198		Galaxy S?
Jun 24 2022 36"	17mmT4	MF,MS,EL-OVAL,SBNUC,SHISB,GMBM,R=F
IC 1199		Galaxy S?
Jun 24 2022 36"	17mmT4	MF,MS,EL,PATCH,NND,MHISB,B* CLOSE BY,R=F
IC 1276		Globular
Jul 01 2019 36"	17mmT4	(Class XII),VF,MS,PATCH,UB,NND,2 BTR *S IN CL ON EDGE,NO CL DET,R=PF
IC 4537		Galaxy
Apr 07 2008 31"	17mmT4	EF,VS,PATCH,NND,AV,VF* OFF ONE SIDE,R=P
IC 4554		Galaxy S?
May 28 2008 31"	17mmT4	MB,ML,PATCH,UB,NND,SHISB,PAIRS=MAC'S,R=G
Apr 26 2006 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,SHISB,PAIRS=MAC'S,R=F
IC 4556		Galaxy S
May 28 2008 31"	17mmT4	MF,MS,LNUC,BM,R=F
IC 4558		Galaxy
May 28 2008 31"	17mmT4	PF,MS,PATCH,NND,PAIR=IC4559,R=F
IC 4559		Galaxy C
May 28 2008 31"	17mmT4	MF,MS,R,LNUC,BM,PAIR=IC4558,R=F
IC 4561		Galaxy L
May 28 2008 31"	17mmT4	PF,PS,FLNUC,PAIR=MAC,R=F
IC 4573		Galaxy

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IC 4573		Galaxy
Jun 01 2008 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,PAIR=IC4575,R=P
IC 4575		Galaxy
Jun 01 2008 31"	17mmT4	PF,VS,OVAL,VFSNUC,F* OFF EDGE,PAIR=IC4573,R=F
IC 4576		Galaxy
Jun 01 2008 31"	17mmT4	MB,MS,EL-OVAL,FLNUC,F* OUTER EDGE,R=F
IC 4577		Galaxy C
Jun 01 2008 31"	17mmT4	PF,MS,EL,FLNUC,PAIR=IC4579,R=F
IC 4579		Galaxy
Jun 01 2008 31"	17mmT4	PF,MS,EL,FLNUC,PAIR=IC4577,R=F
IC 4583		Galaxy S?
Jun 01 2008 31"	17mmT4	MF,MS,EL-EDGE ON,BLNUC,HISB CNTR,B CNTR RGN,TAPERED ENDS,R=F
IC 4703		Brn Nebula E
Jun 23 2022 36"	31mmT5	(Lb 1),VB,EEL,SVRL FOV'S,BEST PART JUST E OF OC N6611.L AREA NEB,NO BKN PARTS,W/OIII,EXCEL,BKN PARTS,DUST,OC INSIDE ON NEB,PATCHES VAR PLACES,(1:30am),R=E
IC 4756		Open Cluster II 3 r
Jun 24 2022 36"	31mmT5	(III 3 r),EB,EEL,SVRL FOV'S,BEST IN FINDER,* VAR MAG,CL DET,SC,(2:02am),R=P
MAC 1516+0653		Galaxy
Mar 17 2010 31"	17mmT4	VF,VS,PATCH,UB,AGC 2052,R=F
MAC 1516+0658		Galaxy
Mar 17 2010 31"	17mmT4	EF,VS,PATCH,VF* ON EDGE,AV TOOK A WHILE,AGC 2052,R=P
MAC 1517+0654		Galaxy
Mar 17 2010 31"	17mmT4	EF,VS,EL,PATCH,AV ONLY ONCE OR TWICE,SUSP,AGC 2052,R=P
MAC 1517+0707A		Galaxy
Mar 17 2010 31"	17mmT4	EF,ES,PATCH,AV ONLY A FEW TIMES,SUSP,AGC 2052,R=P
MAC 1521+0743		Galaxy
May 28 2008 31"	17mmT4	VF,VS,VFSNUC,MANY OTHERS PRESENT,R=F
MAC 1521+0744		Galaxy
May 28 2008 31"	17mmT4	VF,VS,PATCH,UB,NND,MANY OTHERS PRESENT,R=P
MAC 1521+0744A		Galaxy
May 28 2008 31"	17mmT4	EF,ES,PATCH,UB,NND,MANY OTHERS PRESENT,R=P
MAC 1521+0821		Galaxy

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MAC 1521+0821		Galaxy
May 28 2008 31"	17mmT4	VF,ES,PATCH,UB,NND,PAIRS=IC1116/MAC/PGC,R=P
MAC 1521+0824		Galaxy
May 28 2008 31"	17mmT4	VF,MS,PATCH,UB,NND,AV FIRST THEN HOLDS,PAIRS=IC1116/MAC/PGC,R=P
MAC 1522+0828		Galaxy
May 09 2010 31"	17mmT4	EF,VS,UB,NND,AV FIRST THEN HOLDS,AGC 2063,R=P
MAC 1522+0829		Galaxy
May 09 2010 31"	17mmT4	EF,ES,* IN NUC,VF HALO SUR *,SUSP,AGC 2063,R=P
MAC 1522+0831		Galaxy
May 09 2010 31"	17mmT4	EF,VS,PATCH,TOOK AV A WHILE TO FIND,HARD TO HOLD,AGC 2063,R=P
MAC 1522+0832B		Galaxy
May 09 2010 31"	17mmT4	EF,VS,PATCH,TOOK AV A WHILE TO FIND,HARD TO HOLD,AGC 2063,R=P
MAC 1522+0832C		Galaxy
May 09 2010 31"	17mmT4	EF,VS,PATCH,TOOK AV A WHILE,COMES AND GOES,AGC 2063,R=P
MAC 1522+0833		Galaxy
May 09 2010 31"	17mmT4	EF,VS,PATCH,TOOK AV A WHILE TO FIND,HARD TO HOLD,AGC 2063,R=P
MAC 1522+0834		Galaxy
May 09 2010 31"	17mmT4	EF,VS,PATCH,TOOK AV A WHILE TO FIND,HARD TO HOLD,AGC 2063,R=P
MAC 1522+0834A		Galaxy
May 09 2010 31"	17mmT4	EF,ES,SUSP,AV ONLY ONCE,AGC 2063,R=P
MAC 1522+0838A		Galaxy
May 09 2010 31"	17mmT4	VF,VS,EL,PATCH,NND,PAIRS=PGC54871/MAC,ALL 3 LOOK LIKE ONE ,EL GLXY,CANNOT SEP,AGC 2063,R=P
MAC 1522+0838B		Galaxy
May 09 2010 31"	17mmT4	VF,VS,EL,PATCH,NND,PAIRS=PGC54871/MAC,ALL 3 LOOK LIKE ONE ,EL GLXY,CANNOT SEP,AGC 2063,R=P
MAC 1522+0839A		Galaxy
May 09 2010 31"	17mmT4	VF,VS,PATCH,NND,AGC 2063,R=P
MAC 1522+0839B		Galaxy
May 09 2010 31"	17mmT4	EF,VS,PATCH,AV ONLY ONCE OR TWICE,AGC 2063,R=P
MAC 1522+0840A		Galaxy
May 09 2010 31"	17mmT4	EF,VS,PATCH,UB,NND,AV FIRST THEN HOLDS,AGC 2063,R=P

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MAC 1523+0827A		Galaxy
May 09 2010 31"	17mmT4	EF,ES,TOOK AV A WHILE TO FIND,AGC 2063,R=P
MAC 1523+0827B		Galaxy
May 09 2010 31"	17mmT4	EF,VS,TOOK AV A WHILE TO FIND,AGC 2063,R=P
MAC 1523+0833A		Galaxy
May 09 2010 31"	17mmT4	EF,ES,PATCH,AV ONLY ONCE,SUSP,AGC 2063,R=P
MAC 1523+0833B		Galaxy
May 09 2010 31"	17mmT4	EF,ES,PATCH,SUSP,AGC 2063,R=P
MAC 1523+0839A		Galaxy
May 09 2010 31"	17mmT4	EF,ES,PATCH,AV ONLY ONCE,SUSP,AGC 2063,R=P
MAC 1523+0839B		Galaxy
May 09 2010 31"	17mmT4	EF,ES,PATCH,AV FIRST THEN HOLDS,AGC 2063,R=P
MAC 1523+0840		Galaxy
May 09 2010 31"	17mmT4	VF,VS,OVAL,*NUC,AGC 2063,R=P
MAC 1524+1328		Galaxy
May 28 2008 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIR=IC1118,R=P
MAC 1529+0737		Galaxy
May 28 2008 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=5931,R=P
May 28 2008 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,PAIR=5931,R=P
MAC 1534+2325		Galaxy
May 28 2008 31"	17mmT4	EF,ES,PATCH,UB,NND,PAIRS=IC4554,MAC'S,R=P
Apr 26 2006 31"	17mmT4	EF,ES,UB,NND,AV,PAIRS=IC4554/MAC'S,R=P
MAC 1534+2328		Galaxy
May 28 2008 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=IC4554,MAC'S,R=P
Apr 26 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=IC4554/MAC'S,R=P
MAC 1535+2328		Galaxy
May 28 2008 31"	17mmT4	VF,PS,PATCH,UB,NND,PAIRS=IC4554,MAC'S,R=F
Apr 26 2006 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIRS=IC4554/MAC'S,R=P
MAC 1535+2526		Galaxy
May 28 2008 31"	17mmT4	EF,ES,PATCH,UB,AV HOLDS,PAIRS=PGC55568/MAC,R=P
MAC 1536+2520		Galaxy
May 28 2008 31"	17mmT4	EF,ES,PATCH,UB,AV COMES AND GOES,B* CLOSE BY,PAIRS=PGC55568/MAC,R=P
MAC 1536+2525		Galaxy

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MAC 1536+2525		Galaxy	
May 28 2008 31"	17mmT4	EF,VS,UB,NND,CLOSE TO *,PAIR=IC4561,R=P	
MAC 1553+1848		Galaxy	
Apr 26 2006 31"	17mmT4	PF,PS,OVAL,*NUC,PAIR=MAC,R=F	
MAC 1553+1848A		Galaxy	
Apr 26 2006 31"	17mmT4	VF,PS,OVAL,PATCHUB,NND,PAIR=MAC,R=F	
MAC 1557+1549		Galaxy	
Jun 01 2008 31"	17mmT4	EF,ES,PATCH,UB,AV COMES AND GOES,R=P	
MAC 1557+1608		Galaxy	
Jun 01 2008 31"	17mmT4	VF,VS,PATCH,UB,NND,R=P	
MAC 1557+1621		Galaxy	
Jun 01 2008 31"	17mmT4	EF,VS,PATCH,UB,NND,PAIRS=MAC'S,R=P	
MAC 1557+1622		Galaxy	
Jun 01 2008 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=MAC'S,R=P	
MAC 1557+1623		Galaxy	
Jun 01 2008 31"	17mmT4	EF,VS,PATCH,UB,NND,PAIRS=MAC'S,R=P	
MAC 1558+1202		Galaxy	
Jun 01 2008 31"	17mmT4	EF,VS,PATCH,AV COMES AND GOES,SUSP,PAIR=IC1149,R=P	
MAC 1600+1531		Galaxy	
Jun 01 2008 31"	17mmT4	VF,PS,EL-EDGE ON,UB,NND,PAIRS=IC1159/IC1157,R=P	
MAC 1603+1453		Galaxy	
Jun 01 2008 31"	17mmT4	EF,ES,PATCH,NND,JUST ON OUTER EDGE OF IC1168,PAIRS=MAC/IC1168/IC1169,R=P	
MAC 1603+1457		Galaxy	
Jun 01 2008 31"	17mmT4	VF,VS,OVAL,UB,NND,PAIRS=IC1167/IC1168/MAC,R=P	
MAC 1604+1445B		Galaxy	
Apr 26 2006 31"	17mmT4	NO DESCRIPTION GIVEN,PAIRS=PGC'S	
NGC 5887		Galaxy (R')SA(s)0+:	PF,PS,GBM
Apr 07 2008 31"	17mmT4	VF,PS,OVAL,FSNUC,PAIR=PGC54424,R=F	
NGC 5904	M5	Globular	GCL,VB,L,ECM,*11..15
Mar 16 2010 31"	17mmT4	(Class V),EB,EL,FILLS FOV,RSLV TO CORE,HUNDREDS OF *'S,NICE TIGHT NUC,AV RESOLVES MORE *'S,R=E	
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
May 31 1981 12.5"	16mm	EB,EL	

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NGC 5904	M5	Globular	GCL,VB,L,ECM,*11..15
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jul 11 1980 12.5"	24mm		
Jun 18 1980 12.5"	24mm		
Jun 10 1980 6"	24mm		
NGC 5910	H400-2	Galaxy E?	VF,S,ER
Apr 07 2008 31"	17mmT4	PF,PS,OVAL,FSNUC,HICKSON 74,R=F	
NGC 5911		Galaxy S0	VF,VS,2S*INV
Apr 07 2008 31"	17mmT4	MF,MS,OVAL,FLNUC,PAIR=PGC54734,R=F	
NGC 5913	H374-3	Galaxy SB(r)a	VF,PL,VLE,R
Apr 07 2008 31"	17mmT4	EDIF,EF,PL,PATCH,UB,NND,LOC IN BARRON FOV,R=P	
NGC 5919		Galaxy	EEF,PS,LE,NP OF 2
May 28 2008 31"	17mmT4	PF,MS,EL,PATCH,UB,VFSNUC,MANY OTHERS PRESENT,R=F	
NGC 5920		Galaxy S0:	EEF,PS,LE,SF OF 2
May 28 2008 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,MANY OTHERS PRESENT,R=F	
NGC 5921	H148-1	Galaxy SB(r)bc	CB,CL,IR,VSBM*12,AM*
May 31 1981 12.5"	16mm	DIF,MB,ML,ELDNUC,DIM HALO,13* IN GLXY	
NGC 5926		Galaxy S?	F,VS,2ST NR
May 28 2008 31"	17mmT4	MB,ML,OVAL,UB,NND,SHISB,PAIR=PGC54946,R=G	
NGC 5928	H874-2	Galaxy S0	PB,CS,R,PSBM,*7N
May 28 2008 31"	17mmT4	PB,ML,R,BLNUC,GMBM,HISB CNTR,R=G	
NGC 5931		Galaxy S0	EF,PL,R
May 28 2008 31"	17mmT4	MF,PS,PATCH,UB,NND,PAIR=MAC,R=F	
May 28 2008 31"	17mmT4	MB,MS,OVAL,UB,SHISB,PAIR=MAC,R=G	
NGC 5936	H130-2	Galaxy SB(rs)b	F,PL,IR,VGBM,R
May 31 1981 12.5"	16mm	DIF,MF,MS,DIM HALO	
NGC 5937	H401-2	Galaxy (R')SAB(rs)b p	PB,PS,R,VGBM,3ST F
Jun 01 2008 31"	17mmT4	MB,PL,OVAL,PATCH,UB,NND,SHISB,VF* OFF NUC,R=G	
NGC 5940		Galaxy SBab	EF,PS,R,F*P,1ST OF 4
May 28 2008 31"	17mmT4	MB,ML,R,FSNUC,R=G	
Apr 09 2008 31"	17mmT4	MB,MS,OVAL,FLNUC,R=F	
NGC 5941		Galaxy S0?	EEF,S,R,2ND OF 4
May 28 2008 31"	17mmT4	MF,MS,EL,PATCH,BLNUC,OTHERS PRESENT,R=F	
Apr 09 2008 31"	17mmT4	PF,PS,OVAL,FSNUC,PAIRS=NGC'S/PGC'S,R=F	

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NGC 5942		Galaxy E?	EEF,S,R,3RD OF 4
May 28 2008 31"	17mmT4	MF,MS,EL,PATCH,BLNUC,OTHERS PRESENT,R=F	
Apr 09 2008 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIRS=NGC'S/PGC'S,R=F	
NGC 5944		Galaxy S?	EEF,S,R,4TH OF 4
May 28 2008 31"	17mmT4	MF,MS,EL,PATCH,BLNUC,OTHERS PRESENT,R=F	
Apr 09 2008 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIRS=NGC'S/PGC'S,R=F	
NGC 5951		H654-2 Galaxy SBc: sp	F,PS,E150
May 28 2008 31"	17mmT4	MB,VL,EDGE ON,UB,NND,NO CNTR BULGE,TAPERED ENDS,R=G	
NGC 5952		Galaxy S0	EF,VS,ALMSTELL
May 28 2008 31"	17mmT4	PF,PS,OVAL,FSNUC,R=F	
NGC 5953		H178-2 Galaxy SAa: pec	PB,CS,P OF D NEB
May 28 2008 31"	17mmT4	PB,ML,R,BLNUC,GBMB,HISB CNTR,F* OFF EDGE,COMP=5954,E PAIR,R=G	
Apr 26 2006 31"	17mmT4	MB,MS,R,BSNUC,F* OFF ONE SIDE,MHISB CNTR,BM,PAIR=5954,R=G	
NGC 5954		H179-2 Galaxy SAB(rs)cd: pec	PB,CS,F OF D NEB
May 28 2008 31"	17mmT4	MB,PL,EL,PATCH,UB,MHISB,COMP=5953,E PAIR,R=G	
Apr 26 2006 31"	17mmT4	MF,MS,PATCH,UB,NND,MHISB,PAIR=5953,R=G	
NGC 5955		Galaxy Sb-Sbc	EF,VS,STELLAR
May 28 2008 31"	17mmT4	MF,MS,OVAL,FLNUC,PAIR=PGC55516,R=F	
NGC 5956		Galaxy Scd?	F,S,R,*16CLOSE F
May 28 2008 31"	17mmT4	PB,MS,R,BLNUC,MB,HISB CNTR,R=G	
NGC 5957		Galaxy (R')SAB(r)b	PB,PL,COM,LBM
May 28 2008 31"	17mmT4	MF,ML,OVAL-R,FLNUC,VF*OFF EDGE,F* OFF SIDE,FHALO SUR NUC,R=G	
NGC 5960		Galaxy Sb	VF,S,NEB*
May 28 2008 31"	17mmT4	MF,MS,R,FLNUC,R=F	
NGC 5962		H96-2 Galaxy SA(r)c	PF,PL,ILE,GBM
May 31 1981 12.5"	16mm	DIF,PB,MS,F HALO	
NGC 5964		Galaxy SB(rs)d	EF,VL,R,VGBM,R
May 28 2008 31"	17mmT4	DIF,MF,VL,NND,PATCHY AREAS,SVRL F*S IN AND SUR GLXY,R=F	
Apr 06 2008 31"	17mmT4	PF,VL,OVAL-R,PATCHY,SVRL H2 RGN,FACE ON,R=F	
NGC 5970		H76-2 Galaxy SB(r)c	PF,PL,R,RR
Jun 01 2008 31"	17mmT4	VB,VL,EL-OVAL,BLNUC,HISB,MBM,B BAR ACCROSS NUC,PAIR=PGC55664,R=G	
May 31 1981 12.5"	16mm	DIF,MB,PS,F HALO	
NGC 5972		Galaxy S0/a	F,PS,IRRR
Apr 06 2008 31"	17mmT4	MF,MS,R,FLNUC,MHISB CNTR,R=F	

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NGC 5975		Galaxy S?	VF,VS,IRRR,SEVVF*INV
Apr 06 2008 31"	17mmT4	MF,MS,EL,UB,NND,MHISB,PAIR=PGC55749,R=F	
NGC 5977		Galaxy SB0	EF,S,R,LBM
Apr 06 2008 31"	17mmT4	PF,MS,R,FLNUC,PAIR=PGC55784,R=F	
NGC 5980		H655-2 Galaxy S	F,PS,E0
Apr 06 2008 31"	17mmT4	MB,ML,EL,MHISB,PATCHY AREAS DET,R=G	
NGC 5983		Galaxy E	EF,ES,R,VLBM
Apr 06 2008 31"	17mmT4	MF,PS,R,FLNUC,R=F	
NGC 5984		H656-2 Galaxy SB(rs)d:	PB,S,E135,BM
May 31 1981 12.5"	16mm	DIF,VF,ML,EL,F HALO	
NGC 5988		Galaxy Scd:	EEF,PS,R,F*NR N
Apr 06 2008 31"	17mmT4	PF,PS,PATCH,UB,* V CLOSE BY,R=P	
NGC 5990		H425-2 Galaxy (R')Sa pec?	VF,VS,R,GBM
Apr 06 2008 31"	17mmT4	MB,ML,BLNUC,HISB CNTR,GRADUALLY BM,PAIR=PGC55992,R=G	
NGC 5991		Galaxy S	PF,S,R,MBM
Apr 06 2008 31"	17mmT4	MB,MS,R,FLNUC,MHISB CNTR,R=F	
NGC 5994		Galaxy SB?	S,SP 5994
Apr 06 2008 31"	17mmT4	VF,VS,PATCH,NND,PAIR=5996,R=P	
Apr 26 2006 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIR=5996,R=F	
NGC 5996		H97-2 Galaxy S?	PF,CS,R,R,BET 2D*
Apr 06 2008 31"	17mmT4	MB,MS,OVAL,BSNUC,BAR LIKE NUC,PAIR=5994,R=G	
Apr 26 2006 31"	17mmT4	MF,MS,OVAL,FSNUC,COMPACT NUC,BAR DET,FARMS FROM END OF BAR,R=G	
NGC 5997		Galaxy C	EF,EES,STELL
Jun 01 2008 31"	17mmT4	PF,PS,OVAL,FLNUC,F* OFF SIDE,R=F	
NGC 6003		Galaxy S0?	F,VS,S*INV
Jun 01 2008 31"	17mmT4	MB,PS,R,BLNUC,MHISB CNTR,ALM GOOD RATING,R=F	
NGC 6004		Galaxy SAB(rs)bc	VF,PL,LE,LBM
Jun 01 2008 31"	17mmT4	MF,ML,OVAL,FSNUC,PATCHY ARMS,GRADUALLY BM,ARMS SUSP,R=F	
NGC 6006		Galaxy Pair	VF,S
Jun 01 2008 31"	17mmT4	PF,PS,OVAL,UB,NND,PAIRS=6007/6009,R=F	
NGC 6007		Galaxy SABbc:	F,PL
Jun 01 2008 31"	17mmT4	MB,PL,OVAL,PATCH,UB,NND,SHISB,PAIRS=6009/6006,R=G	

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NGC 6008		Galaxy SBb	VF,R,PL,BM
Jun 01 2008 31"	17mmT4	MB,ML,OVAL,PATCHY,NND,PAIR=PGC56301,R=G	
NGC 6009		Galaxy	F,VS,STELL
Jun 01 2008 31"	17mmT4	MF,PS,OVAL,BSNUC,*NUC,PAIRS=6007/6006,R=F	
NGC 6010		H583-2 Galaxy S0/a: sp	PF,S,E90,GBM,R
Jun 01 2008 31"	17mmT4	MB,ML,EDGE ON,BLNUC,TAPERED ENDS,MHISB CNTR,SBM,CNTR BULGE,R=G	
NGC 6012		H657-2 Galaxy (R)SB(r)ab:	F,BET 2B ST
Jun 01 2008 31"	17mmT4	PB,PL,PATCH,NND,SHISB,PATCHY ARMS,R=G	
NGC 6014		Galaxy S0	PB,PL,E
Jun 01 2008 31"	17mmT4	MB,ML,OVAL,BNUC,TIGHT BNUC,LNUC AREA,F* OFF SIDE,H2 PATCH ONE SIDE,R=G	
NGC 6017		Galaxy S?	VF,VS,R,DISC,G,SMBM
Jun 01 2008 31"	17mmT4	MB,MS,EL-OVAL,BLNUC,MHISB CNTR,R=G	
NGC 6018		H646-3 Galaxy (R)SAB(s)0+:	VF,S,LE,P OF 2
Jun 01 2008 31"	17mmT4	MB,MS,EL-OVAL,SHISB,B* IN GLXY,PAIR=6021,R=F	
NGC 6020		Galaxy E	EF,ES,IR,LBM
Jun 01 2008 31"	17mmT4	MB,MS,R,BLNUC,HISB CNTR,BM,GMBM,R=G	
NGC 6021		H73-3 Galaxy E+	EF,VS,LE,F OF 2
Jun 01 2008 31"	17mmT4	MB,MS,R,BLNUC,HISB CNTR,PAIR=6018,R=G	
NGC 6022		Galaxy (R')SB(s)bc	EF,ES
Jun 01 2008 31"	17mmT4	VF,PS,PATCH,UB,NND,PAIR=6023,R=P	
NGC 6023		Galaxy E	F,S,R,BM
Jun 01 2008 31"	17mmT4	MF,MS,OVAL,LNUC,BM,PAIR=6022,R=F	
NGC 6027		Galaxy S0 pec	EF,VF*INV,2VF ST NR
Jun 01 2008 31"	17mmT4	PF,MS,EL-EDGE ON,TOUCH=6027B,BNUC,HICKSON CL,R=F	
NGC 6027A		Galaxy Sa pec	
Jun 01 2008 31"	17mmT4	PF,MS,OVAL,NND,HICKSON CL,R=G	
NGC 6027B		Galaxy S0 pec	
Jun 01 2008 31"	17mmT4	PF,MS,EL,NND,HICKSON CL,TOUCH=6027,R=F	
NGC 6027C		Galaxy SB(s)c? sp	
Jun 01 2008 31"	17mmT4	EF,VS,EL,UB,NND,AV COMES AND GOES,EDGE TOUCH=6027E,COMP=6027D,R=P	
NGC 6027D		Galaxy S?	
Jun 01 2008 31"	17mmT4	EF,ES,OVAL,UB,AV COMES AND GOES,JUST BARELY SEP FROM 6027C,HICKSON,R=P	

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NGC 6027E		Galaxy S0?	
Jun 01 2008 31"	17mmT4	EF,VS,EL,UB,AV COMES AND GOES,EDGE TOUCH=6027C,HICKSON,R=P	
NGC 6029		Galaxy Compact	VF,VS
Jun 01 2008 31"	17mmT4	MF,PS,OVAL,BSNUC,R=F	
NGC 6033		Galaxy SA(s)bc?	VF NEB*
Jun 24 2022 36"	17mmT4	MB,PS,OVAL,LFNUC,R=F	
NGC 6036		Galaxy S0/a	VF,VS,R,STELL
Jun 24 2022 36"	17mmT4	MB,MS,EL,LBNUC,F* OFF TIP(N),GMBM,MOD HISB MID,PAIR=N6037,R=FG	
NGC 6037		Galaxy S?	VF,S
Jun 24 2022 36"	17mmT4	PF,MS,PATCH,NND,PAIR=N6036,R=PF	
NGC 6051		Galaxy E	F,S,R,GBMN,*10SF
Jun 24 2022 36"	17mmT4	MB,MS,R,LBNUC,MHISB,MBM,PAIRS=PGC'S,R=FG	
NGC 6063		Galaxy Scd:	F,PL,R,VLBM
Jun 24 2022 36"	17mmT4	PF,PL,OVAL-R,PATCH,UB,NND,R=F	
NGC 6065		Galaxy S0	EEF,VS,R,SP OF 2
Jun 24 2022 36"	17mmT4	MB,MS,R,SBNUC,F*W EDGE,GMBM,PAIRS=N6066/P57223,R=F	
NGC 6066		Galaxy	EEF,VS,R,2PB*NR,NF-2
Jun 24 2022 36"	17mmT4	MF,MS,OVAL,LFNUC,GBM,PAIRS=N6065/p57223,R=PF	
NGC 6070		H553-3	Galaxy SA(s)cd
May 31 1981 12.5"	16mm	DIF,PB,PL,EL,B HALO	F,L,PME,VGBM,R
NGC 6080		Galaxy SA(s)ab?	PB,PS,R,MBM
Jun 24 2022 36"	17mmT4	MB,MS,OVAL-R,SBNUC,MINI M51,F HALO,SHISB MID,PART OR COMP ON EDGE,R=FG	
NGC 6100		Galaxy (R)SAB(r)a:	EEF,VS,EEF*CLOSE P
Jun 24 2022 36"	17mmT4	MB,PS,EL,SFNUC,SHISB,VF* IN EDGE OF GAL,R=F	
NGC 6118		H402-2	Galaxy SA(s)cd
May 31 1981 12.5"	16mm	DIF,VB,ML,F HALO	VF,CL,CE45,R
NGC 6172		Galaxy E+:	VF,ES,R,BM
Jun 24 2022 36"	17mmT4	MB,PS,OVAL,LBNUC,SMWHT,GRAN HALO,MHISB MID,R=F	
NGC 6535		Globular	PF,VS,VSNEB*P
Jul 01 2019 36"	17mmT4	(Class XI),MB,ML,*S RSLV,NOT MUCH OF A CNTR CORE,R=G	
May 31 1981 12.5"	24mm	PF,ML	
NGC 6539		Globular	NO DESCRIPT

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NGC 6539		Globular	NO DESCRIPT
Jul 01 2019 36"	17mmT4	(Class XI),MB,VL,LF NUC,SMWHT BARREN FOV,OUTER *S RSLV,R=G	
May 31 1981 12.5"	24mm	PB,PL	
NGC 6604		H15-8	Open Cluster I 3 m n
May 12 2021 36"	31mmT5	(II 3 m n),PB,ML,B* IN CNTR,VAR MAG,CL DET,W/OIII,NEB DET MOSTLY SUR B CNTR *,WISPS OF NEB,(3:56am),R=FG	CL,LRI,LC
Sep 04 2002 12.5"	24mm	VP,PL,*S DIFF MAG,FEW B*S WITH F BG GLOW	
NGC 6605		Open Cluster asterism	CL,LRI,LC,ST10...12
Jun 24 2022 36"	31mmT5	((IV 3 r),EB,EL,FILLS FOV,LOOSELY SC,*S VAR MAG,NO CL DET,(1:52am),R=P	
NGC 6611	M16	Open Cluster II 3 m n	CL,ATLEAST100* L\$\$
Sep 11 2012 36"	31mmT5	EB,EL,W/OIII,CL ~12*S OFF ONE SIDE,VAR MAG,LOOSELY GRP,2 WINGS GAS EXTENDING ACCROS FOV,DARK DUST EMBLEM OF EAGLE IN CNTR LOOKS MORE LIKE MAPLE LEAF,OIII HELPS V MUCH,FINER DETAIL,R=EE	
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
May 31 1981 12.5"	16mm	VB,EL,CL ASSOC WITH EAGLE NEB	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jun 18 1980 12.5"	24mm		
Jun 17 1980 12.5"	24mm		
Jun 10 1980 6"	24mm		
PAL 5		Globular	
Jun 25 2019 36"	17mmT4	(Class X),EF,PS,COULD ONLY SEE A VFEW VF*S,LOC GOOD,ON TOP OF OBJ,R=P	
PGC 54262		Galaxy Sd sp	
May 30 2014 36"	17mmT4	EF,MS,EDGE ON,NND,PA-45,VF* ONE SIDE IN TIP,AV TOOK A WHILE,HOLDS,R=P	
PGC 54327		Galaxy S	
Apr 07 2008 31"	17mmT4	PF,PS,OVAL,UB,NND,PAIR=IC1105,R=F	
PGC 54372		Galaxy	
Apr 07 2008 31"	17mmT4	PF,PS,PATCH,UB,NND,R=P	
PGC 54424		Galaxy Sc	
Apr 07 2008 31"	17mmT4	EF,VS,PATCH,UB,NND,PAIR=5887,R=P	
PGC 54486		Galaxy	
Mar 17 2010 31"	17mmT4	VF,PS,PATCH,UB,NND,V CLOSE COMP=PGC54487,AGC 2052,R=P	
PGC 54487		Galaxy	
Mar 17 2010 31"	17mmT4	VF,PS,PATCH,UB,NND,V CLOSE COMP=PGC54486,AGC 2052,R=P	
PGC 54493		Galaxy SBdm:	
Mar 17 2010 31"	17mmT4	MF,MS,OVAL,UB,NND,R=F	
PGC 54497		Galaxy	

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PGC 54497		Galaxy
Mar 17 2010 31"	17mmT4	VF,VS,PATCH,NND,AGC 2052,R=F
PGC 54507		Galaxy
Mar 17 2010 31"	17mmT4	VF,VS,PATCH,AGC 2052,R=F
PGC 54508		Galaxy
Mar 17 2010 31"	17mmT4	EF,VS,PATCH,TOOK AV A WHILE TO FIND THEN HOLDS,AGC 2052,R=P
PGC 54511		Galaxy
Mar 17 2010 31"	17mmT4	VF,VS,PATCH,AGC 2052,R=F
PGC 54513		Galaxy
Mar 17 2010 31"	17mmT4	PF,PS,PATCH,UB,NND,AGC 2052,R=F
PGC 54514		Galaxy
Mar 17 2010 31"	17mmT4	EF,VS,PATCH,TOOK A WHILE,ALM *,AGC 2052,R=P
PGC 54521		Galaxy
Mar 17 2010 31"	17mmT4	VF,VS,PATCH,AV FIRST THEN HOLDS,AGC 2052,R=P
PGC 54524		Galaxy
Mar 17 2010 31"	17mmT4	EF,VS,PATCH,AV FIRST THEN HOLDS,AGC 2052,R=P
PGC 54525		Galaxy
Mar 17 2010 31"	17mmT4	VF,VS,PATCH,FVSNUC,AGC 2052,R=P
PGC 54526		Galaxy E
Mar 17 2010 31"	17mmT4	MF,MS,PATCH,UB,NND,CLOSE COMP=PGC54528,AGC 2052,R=F
PGC 54528		Galaxy
Mar 17 2010 31"	17mmT4	MF,MS,PATCH,UB,NND,CLOSE COMP=PGC54526,AGC 2052,R=F
PGC 54530		Galaxy
Mar 17 2010 31"	17mmT4	EF,VS,PATCH,TOOK AV A WHILE TO HOLD,AGC 2052,R=P
PGC 54533		Galaxy
Mar 17 2010 31"	17mmT4	MF,MS,OVAL,UB,NND,SHISB,AGC 2052,R=F
PGC 54540		Galaxy SB(s)cd
Mar 17 2010 31"	17mmT4	EF,ES,PATCH,AV ONLY A FEW TIMES,COMES AND GOES,TOUCH F*,AGC 2052,R=P
PGC 54546		Galaxy
Mar 17 2010 31"	17mmT4	VF,VS,PATCH,B* JUST OFF EDGE,AGC 2052,R=F
PGC 54547		Galaxy
Mar 17 2010 31"	17mmT4	EF,VS,PATCH,AV HOLDS,AGC 2052,R=P

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PGC 54550		Galaxy SB(s)cd
Mar 17 2010 31"	17mmT4	PF,MS,PATCH,UB,NND,AGC 2052,R=F
PGC 54554		Galaxy
Mar 17 2010 31"	17mmT4	VF,VS,PATCH,NND,F* OFF EDGE,AGC 2052,R=P
PGC 54555		Galaxy S0
Mar 17 2010 31"	17mmT4	VF,PS,PATCH,UB,NND,AGC 2052,R=F
PGC 54563		Galaxy
Mar 17 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,AGC 2052,R=P
PGC 54572		Galaxy
Apr 07 2008 31"	17mmT4	EF,VS,PATCH,COMES AND GOES WITH AV,R=P
PGC 54688		Galaxy E?
Apr 07 2008 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,HICKSON 74,R=F
PGC 54692		Galaxy E
Apr 07 2008 31"	17mmT4	EF,ES,NND,BURRIED AMONG 5910,CANNOT DET TOO CLOSE TO 5910,HICKSON 74,R=P
PGC 54694		Galaxy S
Apr 07 2008 31"	17mmT4	NO DETECTION,LOC GOOD,HICKSON 74,R=P
PGC 54697		Galaxy S
Apr 07 2008 31"	17mmT4	VF,ES,PATCH,UB,NND,AV COMES AND GOES,HICKSON 74,R=P
PGC 54734		Galaxy
Apr 07 2008 31"	17mmT4	VF,PS,EL,PATCH,UB,NND,PAIR=5911,R=P
PGC 54802		Galaxy L
Apr 09 2008 31"	17mmT4	EF,ES,AV,SUSP,CANNOT SEP THE TWO,APPEAR AS ONE,COMP=PGC54804,R=P
PGC 54803		Galaxy S
Apr 09 2008 31"	17mmT4	PF,PS,EL-OVAL,UB,NND,SHISB,CANNOT SEP COMP=PGC54804,R=F
PGC 54804		Galaxy E?
Apr 09 2008 31"	17mmT4	PF,PS,EL-OVAL,UB,NND,CANNOT SEP,APPEAR AS ONE,COMP=PGC54802,R=F
PGC 54814		Galaxy
May 28 2008 31"	17mmT4	PF,VS,OVAL,PATCH,UB,NND,R=F
PGC 54818		Galaxy S
Apr 09 2008 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=PGC'S,R=P
PGC 54824		Galaxy S
Apr 09 2008 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=PGC'S,R=P

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PGC 54826		Galaxy SB(rs)a pec
May 28 2008 31"	17mmT4	EF,ES,OVAL,PATCH,UB,NND,MANY OTHERS PRESENT,R=P
PGC 54827		Galaxy S?
Apr 09 2008 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=PGC'S,R=P
PGC 54832		Galaxy SB(r)b
May 28 2008 31"	17mmT4	DIF,VF,MS,PATCH,UB,NND,VF* EDGE,B* CLOSE BY,PAIRS=IC1116/MAC'S,R=P
PGC 54838		Galaxy
May 28 2008 31"	17mmT4	PF,PS,PATCH,UB,NND,MANY OTHERS PRESENT,R=F
PGC 54871		Galaxy
May 09 2010 31"	17mmT4	VF,VS,EL,PATCH,NND,PAIRS=MAC'S,ALL 3 LOOK LIKE ONE ,EL GLXY,CANNOT SEP,AGC 2063,R=P
PGC 54872		Galaxy
May 09 2010 31"	17mmT4	VF,VS,PATCH,AV FIRST THEN HOLDS,NND,AGC 2063,R=P
PGC 54893		Galaxy
May 09 2010 31"	17mmT4	PF,PS,PATCH,FSNUC,AGC 2063,R=F
PGC 54896		Galaxy
May 09 2010 31"	17mmT4	PF,PS,PATCH,FSNUC,AGC 2063,R=F
PGC 54903		Galaxy S
May 09 2010 31"	17mmT4	VF,VS,PATCH,TOOK AV A WHILE THEN HOLDS,AGC 2063,R=P
PGC 54912		Galaxy
May 09 2010 31"	17mmT4	PF,PS,PATCH,FSNUC,AGC 2063,R=F
PGC 54913		Galaxy S?
May 09 2010 31"	17mmT4	MF,MS,OVAL,FLNUC,JUST BARELY TOUCH=PGC54914,AGC 2063,R=F
PGC 54914		Galaxy
May 09 2010 31"	17mmT4	VF,ES,PATCH,NND,TOOK AV A WHILE THEN HOLDS,JUST BARELY TOUCH=PGC54913,AGC 2063,R=P
PGC 54920		Galaxy S
May 09 2010 31"	17mmT4	VF,VS,OVAL,FSNUC,AGC 2063,R=F
PGC 54921		Galaxy
May 09 2010 31"	17mmT4	VF,VS,OVAL,PATCH,NND,AGC 2063,R=F
PGC 54927		Galaxy
May 09 2010 31"	17mmT4	PF,VS,OVAL,FSNUC,AGC 2063,R=F
PGC 54934		Galaxy
May 09 2010 31"	17mmT4	PF,PS,FSNUC,AGC 2063,R=F

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PGC 54935		Galaxy S
May 09 2010 31"	17mmT4	VF,VS,OVAL,FSNUC,AGC 2063,R=F
PGC 54936		Galaxy
May 09 2010 31"	17mmT4	VF,VS,OVAL,PATCH,NND,AGC 2063,R=F
PGC 54937		Galaxy
May 09 2010 31"	17mmT4	PF,VS,OVAL,FSNUC,AGC 2063,R=F
PGC 54942		Galaxy
May 09 2010 31"	17mmT4	PF,PS,PATCH,NND,AGC 2063,R=F
PGC 54943		Galaxy S
May 09 2010 31"	17mmT4	PF,VS,PATCH,NND,AGC 2063,R=F
PGC 54946		Galaxy C
May 28 2008 31"	17mmT4	PF,VS,OVAL,PATCH,UB,NND,PAIR=5926,R=F
PGC 55057		Galaxy Sbc
May 28 2008 31"	17mmT4	MF,PL,EDGE ON,UB,NND,ONE EDGE THICKER THAN OTHER,R=F
PGC 55199		Galaxy
May 28 2008 31"	17mmT4	MF,PS,PATCH,VFSNUC,R=F
PGC 55200		Galaxy
May 28 2008 31"	17mmT4	MF,MS,EL,FLNUC,PAIR=PGC55201,R=F
PGC 55201		Galaxy
May 28 2008 31"	17mmT4	MF,MS,ELEGDE ON,UB,NND,PAIR=PGC55200,R=F
PGC 55210		Galaxy
May 28 2008 31"	17mmT4	VF,VS,PATCH,UB,NND,VF* OFF EDGE,R=P
PGC 55211		Galaxy
May 28 2008 31"	17mmT4	PF,MS,EL,PATCH,UB,NND,R=P
PGC 55307		Galaxy
May 28 2008 31"	17mmT4	EF,ES,PATCH,AV SOMETIMES,SUSP,OTHERS PRESENT,R=P
PGC 55313		Galaxy
May 28 2008 31"	17mmT4	EF,VS,PATCH,UB,EXTENSION OF HICKSON 76B,BUMP DET,OTHERS PRESENT,R=P
Apr 09 2008 31"	17mmT4	VF,VS,OVAL,FLNUC,INTRACT=PGC55314,CANNOT SEP,APPEAR AS ONE,R=F
PGC 55314		Galaxy S0?
May 28 2008 31"	17mmT4	MF,MS,EL,PATCH,BLNUC,OTHERS PRESENT,R=F
Apr 09 2008 31"	17mmT4	PF,PS,OVAL,FLNUC,INTRACT=PGC55313,CANNOT SEP,APPEAR AS ONE,R=F

Serpens - The Serpent

PGC 55325		Galaxy S
May 28 2008 31"	17mmT4	EF,VS,PATC,UB,AV FIRST THEN HOLDS,OTHERS PRESENT,R=P
Apr 09 2008 31"	17mmT4	EF,ES,LOC GOOD,AT MERIDIAN,SUSP,PAIRS=5944/NGC'S/PGC'S,R=P
PGC 55478		Galaxy Dwarf
May 28 2008 31"	17mmT4	EF,ES,PATCH,AV COMES AND GOES,DOESNOT HOLD,PAIRS=5954/5953,R=P
PGC 55516		Galaxy B
May 28 2008 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=5955,R=P
PGC 55568		Galaxy SB
May 28 2008 31"	17mmT4	VF,VS,PAIRS=MAC'S,R=P
PGC 55597		Galaxy Sa
Apr 06 2008 31"	17mmT4	DIF,VF,MS,EL,PATCH,UB,NND,R=P
PGC 55618		Galaxy SB
May 28 2008 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,R=F
PGC 55640		Galaxy L
May 28 2008 31"	17mmT4	PF,PS,OVAL,FLNUC,PAIR=IC1128,R=F
PGC 55664		Galaxy S
Jun 01 2008 31"	17mmT4	EF,ES,PATCH,UB,TOOK AV A WHILE TO LOCATE THEN HOLDS,PAIR=5970,R=P
PGC 55717		Galaxy S0
Apr 06 2008 31"	17mmT4	DIF,VF,VS,PATCH,NND,R=P
PGC 55747		Galaxy
Apr 06 2008 31"	17mmT4	VF,ES,ALM *,VF* OFF EDGE,PAIR=PTC55762,R=P
PGC 55749		Galaxy SBb
Apr 06 2008 31"	17mmT4	PF,MS,PATCH,UB,NND,PAIR=5975,R=F
PGC 55762		Galaxy
Apr 06 2008 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,PAIR=PGC55747,R=P
PGC 55784		Galaxy S R
Apr 06 2008 31"	17mmT4	EDIF,EF,VS,PATCH,AV,PAIR=5977,R=P
PGC 55821		Galaxy Sc: sp
May 30 2014 36"	17mmT4	MF,PL,EDGE ON,NND,PA~70,ONE SIDE BTR THAN OTHER,R=FG
PGC 55847		Galaxy
Apr 06 2008 31"	17mmT4	VF,ES,*NUC,B* CLOSE BY,R=P
PGC 55889		Galaxy

Serpens - The Serpent

PGC 55889		Galaxy
Apr 06 2008 31"	17mmT4	VF,VS,R,VFSNUC,R=P
PGC 55938		Galaxy S
Jun 01 2008 31"	17mmT4	VF,VS,PATCH,NND,PAIR=IC1134,R=P
PGC 55958		Galaxy R
Apr 06 2008 31"	17mmT4	VS,PS,PATCH,UB,NND,R=P
PGC 55992		Galaxy
Apr 06 2008 31"	17mmT4	EDIF,EF,VS,PATCH,AV,PAIR=5990,R=P
PGC 56094		Galaxy Sbc
Apr 09 2008 31"	17mmT4	VDIF,VF,PS,EDGE ON,UB,NND,R=P
PGC 56121		Galaxy S?
Apr 09 2008 31"	17mmT4	VF,VS,OVAL,NND,CAN JUST BARELY SEP THE 3/PAIRS=PGC'S,R=P
PGC 56122		Galaxy S0?
Apr 09 2008 31"	17mmT4	VF,VS,OVAL,NND,CAN JUST BARELY SEP THE 3/PAIRS=PGC'S,R=P
PGC 56123		Galaxy Chain
Apr 09 2008 31"	17mmT4	VF,VS,OVAL,NND,CAN JUST BARELY SEP THE 3,PAIRS=PGC'S,R=P
PGC 56125		Galaxy S
Apr 09 2008 31"	17mmT4	EF,ES,NO FIND,BURIED IN CNTR OF CL,SUSP,PAIRS=PGC'S,R=P
PGC 56301		Galaxy
Jun 01 2008 31"	17mmT4	MF,MS,EL-OVAL,FLNUC,PAIR=6008,R=F
PGC 56314		Galaxy SAB(s)bc
Apr 26 2006 31"	17mmT4	VDIF,VF,MS,OVAL,PATCH,UB,NND,R=P
PGC 56490		Galaxy SA0^
Jun 01 2008 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,* CLODE BY,R=P
PGC 56503		Galaxy SA(s)c
Jun 01 2008 31"	17mmT4	DIF,EF,MS,OVAL,PATCH,UB,NND,R=P
PGC 56632		Galaxy L
Jun 01 2008 31"	17mmT4	VF,PS,EL,PATCH,NND,* CLOSE BY,R=P
PGC 56705		Galaxy
May 14 2009 31"	17mmT4	VF,VS,PATCH,UB,NND,AV,R=P
Jun 01 2008 31"	17mmT4	EF,ES,PATCH,UB,NND,AV COMES AND GOES,R=P
PGC 56938		Galaxy S0-:

Serpens - The Serpent

PGC 56938		Galaxy S0-:
Apr 26 2006 31"	17mmT4	PF,PS,EL,FLNUC,PAIRS=PGC/MAC,R=F
PGC 56953		Galaxy S0 pec
Apr 26 2006 31"	17mmT4	PF,PS,OVAL,PATCH,FSNUC,PAIRS=PGC/MAC,R=F
PGC 57003		Galaxy
Jun 24 2022 36"	17mmT4	VF,PS,PATCH,NND,PAIRS=N6051/PGC'S,R=P
PGC 57010		Galaxy
Jun 24 2022 36"	17mmT4	VF,PS,PATCH,NND,PAIRS=N6051/PGC'S,R=P
PGC 57014		Galaxy
Jun 24 2022 36"	17mmT4	VF,VS,EL,NND,PAIRS=N6051/PGC'S,R=P
PGC 57025		Galaxy
Jun 24 2022 36"	17mmT4	VF,PS,PATCH,NND,PAIRS=N6051/PGC'S,R=P
PGC 57028		Galaxy
Jun 24 2022 36"	17mmT4	VF,PS,PATCH,NND,PAIRS=N6051/PGC'S,R=P
PGC 57223		Galaxy
Jun 24 2022 36"	17mmT4	PF,MS,PATCH,UB,NND,PAIRS=N6065/N6066,R=P
PGC 57235		Galaxy S
Jun 24 2022 36"	17mmT4	PF,MS,OVAL,UB,NND,SHISB,R=F
PGC 57247		Galaxy
Jun 24 2022 36"	17mmT4	PF,MS,PATCH,UB,NND,R=P
PGC 57582		Galaxy Sc: sp
May 30 2014 36"	17mmT4	PF,PL,EDGE ON,UB,NND,PA~90,V* OFF NUC,F* OUTER END,R=F
SH2 46		Brt Nebula E
May 13 2021 36"	31mmT5	(lb 3),DIF,VF,VL,W/OIII,VF GLOW OF NEB DET,FILLS FOV,EDGES NOT DEF,NICE SAGITTA ASTERISM IN CNTR(2:50am),R=P
SH2 54		Brt Nebula E
Jun 23 2022 36"	31mmT5	(Lb 3),DEFF,MB,EEL,10-20 FOV'S,SUR OC N6604,NEB ALM UB,NOT MUCH DETAIL,W/OIII,BETTER,PATCHES OF BKN NEB DET,(1:35zm),R=F
SH2 64		Brt Nebula E
Jun 23 2022 36"	31mmT5	(Lb 3),DIF,VF,EEL,~2 FOV'S,UNIFORM F BG OF NEB,W/OIII,SCAN AREA,SOME PATCHES NEB DET,(1:52am),R=P
TR 32		Open Cluster I 2 m
May 12 2021 36"	31mmT5	(I 2 m),MF,ML,*S SMWHT SIM MAG,6-8B*S TO S NOT ASSOC W/CL,CL DET,(4:06am),R=F

Sextans - The Sextant

ARP 338		Galaxy	
Mar 16 2009 31"	17mmT4	VDIF,EF,MS,OVAL,PATCH,AV,PAIR=MAC'S,R=P	
IC 561		Galaxy	
Mar 16 2009 31"	17mmT4	MF,MS,OVAL,SMWHT BM,R=F	
IC 563		Galaxy SB(r)ab: pec	
Mar 16 2009 31"	17mmT4	MB,ML,EL,NND,SHISB,PAIR=-IC564,R=G	
IC 564		Galaxy SA(s)cd? pec	
Mar 16 2009 31"	17mmT4	MB,ML,EL,NND,SHISB,SLT L THAN IC563,ONE END THICKER,PAIR=IC563,R=G	
IC 574		Galaxy SA0-:	
Mar 16 2009 31"	17mmT4	MB,MS,R,BLNUC,BM,MHISB CNTR,R=G	
IC 575		Galaxy Sa pec sp	
Mar 16 2009 31"	17mmT4	PF,MS,R,COMP SUSP,FLNUC AREA,L THAN IC574,R=F	
IC 609		Galaxy SAB(rs)bc pec	
Mar 26 2006 31"	17mmT4	MF,ML,OVAL,PATCH,VFSNUC,R=F	
MAC 1010-0751		Galaxy	
Mar 16 2009 31"	17mmT4	MF,PS,EL,UB,NND,PAIR=ARP 338,R=P	
NGC 2967		H275-2 Galaxy SA(s)c	PF,PL,R,VGLBM
Feb 22 2020 36"	17mmT4	MF,PL,PATCH,UB,NND,R=F	
NGC 2969		H527-3 Galaxy SA(s)c pec:	VF,PS,IR,VGLBM
Feb 22 2020 36"	17mmT4	PF,ML,OVAL-R,UB,NND,R=F	
NGC 2974		H61-1 Galaxy E4	B,CS,IR,BM,*9SP43"
Jan 29 2014 36"	17mmT4	MB,ML,OVAL,BLNUC,* OFF EDGE,MHISB CNTR,R=G	
Oct 22 1982 12.5"	12mm	MF,VS,SLT EL,B* ON W TIP,HISB,GMBM	
NGC 2978		Galaxy (R')SAB(rs)bc?	EF,S,R,2980N 10'
Feb 22 2020 36"	17mmT4	MF,MS,PATCH,UB,NND,R=F	
NGC 2979		H521-3 Galaxy (R')SA(r)a?	PF,PS,VLE,PSBM
Feb 22 2020 36"	17mmT4	MB,ML,EL,FLNUC,SN LIKE * EDGE OF NUC,R=F	
NGC 2980		H528-3 Galaxy SAB(s)c?	VF,PS,LE0,VGLBM
Feb 22 2020 36"	17mmT4	MF,ML,EL,PATCH,UB,NND,R=F	
NGC 2990		H624-2 Galaxy Sc:	F,PS,LE90
Feb 22 2020 36"	17mmT4	MB,ML,OVAL,PATCH,UB,NND,R=G	
NGC 3044		H254-3 Galaxy SB(s)c? sp	VF,VL,VME122

Sextans - The Sextant

NGC 3044 Feb 09 2013 36" 17mmT4	H254-3 VF,VL,EDGE ON,NND,PA~110,SLT TAPERED ENDS,HISB BUILDS TOWARDS CNTR,R=E	Galaxy SB(s)c? sp	VF,VL,VME122
NGC 3055 Feb 22 2020 36" 17mmT4	H4-6 PB,ML,OVAL,LVNUC,HISB,R=G	Galaxy SAB(s)c	F,PL,VLE,VGBM,RR,*7F
NGC 3110 Mar 27 1982 12.5" 16mm	H305-2 VDIF,VF,MS,EL,F*S AT OPPOSITE TIPS,NND	Galaxy SB(rs)b pec	F,VS,IR,R
NGC 3115 Mar 27 1982 12.5" 16mm	H163-1 MB,ML,EDGE ON,BNUC,F HALO,F*S BORDER,F* FARTHER SW,CNTR BULGE	Galaxy S0- sp	VB,L,VME46,VGSMBMEN
NGC 3156 Nov 24 2006 12.5" 12mmT4	H255-3 PB,ML,EL-OVAL,BSNUC,MHISB,R=G	Galaxy S0:	F,CS,R,PSBM,*9,10SF2
NGC 3165 Nov 24 2006 12.5" 12mmT4	Galaxy SA(s)dm: VF,MS,OVAL,PATCH,UB,NND,PAIRS=3166/3169,R=P		VF,ME0,1ST OF 3
NGC 3166 Nov 24 2006 12.5" 12mmT4 Oct 22 1982 12.5" 16mm	H3-1 VF,PL,OVAL-R,BLNUC,GMBM,HISB CNTR,HISB,PAIR=3169/3165,R=E MB,PS,BNUC,R,GBM,HISB TOWARDS CNTR,PAIR/3169	Galaxy SAB(rs)0/a	B,PS,R,PSMBM,2ND OF3
NGC 3169 Nov 24 2006 12.5" 12mmT4 Oct 22 1982 12.5" 16mm	H4-1 VB,PL,OVAL,BLNUC,HISB,GMBM,PAIRS=3166/3165,R=E MB,PS,DNUC,R,SBM,MHISB,B*NW,PAIR/3166	Galaxy SA(s)a pec	B,PL,VLE,PGMBM,3RD-3
NGC 3365 Feb 09 2013 36" 17mmT4	Galaxy Scd: sp MF,ML,EDGE ON,UB,PA~170,CNTR BULGE,BARRON * FOV,R=F		EF,L,EE159,VGV LBM
NGC 3423 Feb 22 2020 36" 17mmT4	H6-4 MB,VL,OVAL,BNUC,SPR STR DET,FARMS,KNOTS,SOFT NUC,R=GE	Galaxy SA(s)cd	F,VL,R,VGBM,RR
PAL 3 Apr 11 2015 36" 17mmT4	Globular ~CLASS X,EF,VS,PATCH,AV ONLY SUSP,LOC GOOD,JUST A HINT OF EF SMUG,R=P		
PGC 27742 Jan 29 2014 36" 17mmT4	Galaxy VF,PS,PATCH,NND,R=P		
PGC 27817 Dec 28 2008 31" 17mmT4	Galaxy SB(s)dm? sp VF,PL,EDGE ON,PATCH,UB,INTRACT=PGC27828,TOUCH END TO END,NND,R=F		
PGC 27825 Dec 28 2008 31" 17mmT4	Galaxy SB(s)d pec: VF,ML,OVAL,LF NUC,PAIRS=PGC27817/PGC27828,R=F		
PGC 27828 Dec 28 2008 31" 17mmT4	Galaxy SB(s)m? sp VF,PL,EDGE ON,PATCH,UB,INTRACT=PGC27828,TOUCH END TO END,NND,R=F		

Sextans - The Sextant

PGC 27997		Galaxy SBdm
Mar 16 2009 31"	17mmT4	DIF,VF,MS,OVAL-R,UB,NND,AV FIRST THEN HOLDS,R=P
PGC 28136		Galaxy SBdm? sp
Feb 09 2013 36"	17mmT4	EF,VS,PATCH,AV,SUSP,PA~?,CANNOT DET DIR OF GLXY,R=P
PGC 28567		Galaxy S
Mar 16 2009 31"	17mmT4	EF,VS,PATCH,SUSP,COMP=IC575,R=P
PGC 28586		Galaxy S
Mar 16 2009 31"	17mmT4	EF,PS,PATCH,UB,NND,R=P
PGC 28913		Galaxy IB(s)m
Apr 09 2023 36"	17mmT4	VDIF,VF,PL,PATCH,AV,PATCHY AREAS DET,BKN,R=P
PGC 29086		Galaxy Sd: sp
Feb 09 2013 36"	17mmT4	EF,MS,EDGE ON,PATCH,NND,AV COMES AND GOES,HARD TO HOLD,PA~0,R=P
PGC 29653		Galaxy IBm
Apr 09 2023 36"	17mmT4	EDIF,EF,PL,PATCH,PATCHY,AV COMES AND GOES,R=P
PGC 29657		Galaxy S?
Mar 16 2009 31"	17mmT4	DIF,EF,PS,OVAL,NND,AV HARD TO HOLD,OTHERS PRESENT,R=P
PGC 29665		Galaxy S0?
Mar 16 2009 31"	17mmT4	PF,VS,EL,FNUC,OTHERS PRESENT,R=F
PGC 29666		Galaxy S
Mar 16 2009 31"	17mmT4	VDIF,EF,VS,PATCH,AV ONCE IN A WHILE,OTHERS PRESENT,R=P
PGC 29668		Galaxy L
Mar 16 2009 31"	17mmT4	VDIF,EF,VS,PATCH,AV ONCE IN A WHILE,OTHERS PRESENT,R=P
PGC 29670		Galaxy
Mar 16 2009 31"	17mmT4	EDIF,EF,VS,LOC GOOD,SUSP,R=P
PGC 29673		Galaxy
Mar 16 2009 31"	17mmT4	EDIF,SUSP,NO FIND,COMP=PGC29677,R=P
PGC 29677		Galaxy S?
Mar 16 2009 31"	17mmT4	PF,PS,EL,FLNUC,CLOSE COMP=PGC29673,R=F
PGC 29700		Galaxy
Mar 16 2009 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,R=P
PGC 31037		Galaxy SBd:
Feb 09 2013 36"	17mmT4	VF,PS,EDGE ON,UB,PA~170,*ONE END,F* OTHER,R=PF

Sagitta - The Arrow

BERK 47		Open Cluster II 2 p	
May 30 2022 36"	17mmT4	(II 2 p) MB,PL,~20"S,VAR MAG,* CL E-W,M CL,(1:52am),R=F	
HARV 20		Open Cluster IV 2 p	
May 30 2022 36"	17mmT4	(II 2 p),EB,ML,~20"S VAR MAG,V LTL CL DET,RICH FOV,(2:35am),R=P	
IC 4997		Planetary Neb 1	
Jul 05 2008 31"	12mmT4	PB,PS,R,CNTR RGN B,W/OIII,HELPS MUCH,BM,FHALO DET SUR CNTR,R=G	
Sep 10 2004 31"	17mmT4	VB,MS,BNUC,HISB,W/OIII,B BLUE,B CNTR DISC WITH F HALO,ALM *,R=G	
NGC 6838	M71	Globular	CL,VL,VRI,PMC,*11.16
Jun 28 2019 36"	17mmT4	(Class II),PB,PL,RSLV,BTR *S ON TOP OF FTR *S,RICH * FOV,R=G	
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Sep 23 2003 31"	25mm	EF,EL,RSLV,BEAUTIFUL,HUNDREDS OF *S,STRONG BG GLOW,R=E	
Aug 20 2003 31"	25mm	EB,EL,HUNDREDS/THOUSANDS OF *S,RSLV TO CORE,FOV GLOWS W/F*S,R=E	
Jul 30 1981 12.5"	24mm	PB,VL,PAIR/H20	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jun 17 1980 12.5"	24mm		
May 07 1980 5"	9mm		
Apr 16 1980 6"	24mm		
NGC 6879		Planetary Neb 2a	PLN,STELLAR=10M
Aug 15 2009 31"	17mmT4	MB,VS,R,UB,NO CNTR*,B BLUEISH,RICH FOV,OIII,DOESNOT HELP MUCH,VF NEB AR NUC,R=F	
Aug 20 2003 31"	25mm	EF,VS,R,UB,AV,SUSP,LOC GOOD,R=P	
Aug 20 2003 31"	9mmT6	VDIF,VF,MS,PATCH,UB,ABLE TO DETECT WITH 9MM,R=F	
NGC 6886		Planetary Neb 2+3	PLN,STELLAR=10M
Aug 15 2009 31"	17mmT4	PB,PS,R,UB,B BLUEISH,RICH FOV,OIII DOESNOT HELP MUCH,R=G	
Aug 20 2003 31"	25mm	MB,PS,R,B BLUE R BALL,R=E	
Aug 20 2003 31"	9mmT6	VP,PL,B BLUE,RING OF NEB,BOTH SIDES TAPERED,SLT BM,CNTR * SUSP,R=E	
PAL 10		Globular	
Jul 01 2019 36"	17mmT4	(Class XII ?),EF,VS,PATCH,UB,NND,AV COMES AND GOES,LOC GOOD,SUSP,R=P	
Sep 23 2003 31"	17mmT4	EDIF,EF,MS,PATCH,SUSP,CANNOT CONFIRM,LOC GOOD,R=P	
Sep 23 2003 31"	25mm	EDIF,EF,MS,PATCH,HINT OF AREA OF SLT B,LOC GOOD,SUSP,R=P	
PGC 62651		Galaxy Sc-Irr	
Sep 23 2003 31"	17mmT4	DIF,PF,VS,OVAL,UB,NND,VF* ON EDGE,B* IN FOV,R=P	
PGC 62854		Galaxy	
Sep 23 2003 31"	17mmT4	VDIF,VF,PS,OVAL,PATCH,UB,VF * IN GLXY EDGE,SBM,R=P	
Sep 23 2003 31"	25mm	DIF,PF,PS,PATCH,UB,NND,VF* IN GLXY OR ON EDGE,R=P	
PGC 64467		Galaxy	
Sep 23 2003 31"	17mmT4	DIF,PF,MS,OVAL,UB,VF\$ IN EDGE,SBM,R=F	
SH2 82		Brn Nebula E+R	

Sagitta - The Arrow

SH2 82

Brt Nebula E+R

Jun 23 2022 36" 17mmT4 (Lb 3),DIF,MF,PS,KEEP B* OUT OF FOV,VF PATCH DET,W/OIII,PATCHY AREA NEB AROUND 2*S IN FOV,VF,(2:23am),R=PF

Sagittarius - The Archer

ARPGC2			Globular
Aug 03 2019 36"	17mmT4	(Class ?),VF,PS,PATCH,UB,R=P	
CR 347			Open Cluster II 2 m n
May 13 2021 36"	17mmT4	(II 2 m n),VF,ML,~30"S SMWHT VAR MAG,LOOSELY SC,W/OIII,F WISPS OF NEB DET,INSIDE SH2-16,(2:28am),R=F	
May 12 2021 36"	55mm	(II 2 m n),MB,MS,~40"S SMWHT SIM MAG,CL DET,NICE FOV,W/OIII,NEB BET *S,LOC IN SH2-16,(3:10am),R=F	
CR 378			Open Cluster II 2 p
May 12 2021 36"	31mmT5	(II 2 p),VBMPL,CL DET,SC * SMWHT SIM MAG,SINGLE B REDDIST * IN CNTR,(3:52am),R=FG	
ESO 456-38			Globular
Jul 01 2019 36"	17mmT4	(Class XII),VB,EL,RICH * FOV,CANNOT MAKE OUT CL FROM FOV *S,LOOKS LIKE OPCL,R=P	
IC 1274			Brt Nebula E
May 13 2021 36"	31mmT5	(Lb 2),DIF,PF,PL,W/OIII,PATCHY AREAS OF NEB DET,NO EDGES DEF,CANNOT DET BOUNDARIES WITH IC1275,(3:06am),R=F	
IC 1275			Brt Nebula E
Jun 24 2022 36"	17mmT4	DIF,EF,ML,W/OIII,JUST A HINT OF NEB AROUND *S,R=P	
IC 1283			Brt Nebula E+R
Jun 23 2022 36"	31mmT5	(Lb 2),DIF,MB,VL,B * IN MID,MHISB,NEB AM *S,RICH FOV,L PATCHY AREA, BKN PARTS,ALM FILLS FOV,OIII HELPS SMWHT,BKN PARTS OF NEB DET EASILY,(1:25am),R=F	
Sep 12 2007 31"	31mmT5	W/OIII,MB,EEL,SCAN SVRL FOV'S,PATCHY NEB AREAS DET,R=F	
Sep 12 2007 31"	31mmT5	PF,EEL,SCAN SVRL FOV'S,NEB SUR BTR * IN RGN,BTR W/OIII,R=P	
IC 1309			Galaxy SAB(rs)bc pec
Sep 12 2007 31"	17mmT4	MF,PL,OVAL,PATCH,UB,NND,R=F	
IC 4670			Planetary Neb PN
Aug 15 2009 31"	17mmT4	MB,VS,R,CNTR* 15TH,GRYISH,OIII,NEB BTR,NOT MUCH NEB SUR CNTR*,R=F	
IC 4673			Planetary Neb 4
Jun 24 2022 36"	17mmT4	MF,PS,R,UB,NO C*,OIII HELPS,GREY BALL,R=FG	
IC 4681			Unknown
Sep 21 1984 12.5"	24mm	TRI OF 3B*S WITH F BG GLOW,VF NEB DET BET 2 OF 3 *S	
IC 4685			Open Cluster R
Jun 24 2022 36"	17mmT4	DIF,EF,VS,ONLY A HINT OF NEB ARND B* IN CNTR,OIII, NO GOOD,R=P	
IC 4701			Brt Nebula E
Sep 12 2007 31"	31mmT5	VF,EEL,W/OIII,KNOCKS OUT BG,STANDS OUT BTR,SVRL FOV'S,PATCHY,R=F	
IC 4725	M25		Open Cluster I 3 m
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	

Sagittarius - The Archer

IC	4725	M25	Open Cluster I 3 m	
	Jul 17 1980	12.5" 24mm	M25	
IC	4732		Planetary Neb 1	
	May 19 2009	31" 12mmT4	MF,ES,R,HARD TO DET FROM FOV *S,NO CNTR*,OIII DOES NOT HELP,BLUEISH BALL,R=P	
	Sep 12 2007	31" 17mmT4	PF,PS,R,VS B CNTR WITH F NEB SUR CNTR *,OIII DOESNOT HELP,R=F	
IC	4776		Planetary Neb 2a	
	Aug 15 2009	31" 17mmT4	MB,VS,R,UB,NO CNTR*,B BLUEISH BALL,OIII,STANDS OUT OF FOV,BKGR *S FADE,R=F	
	Sep 12 2007	31" 12mmT4	W/OIII,EB,ML,VB BLUEISH BALL,SOME FT NEB SUR NEC DET,R=G	
	Sep 12 2007	31" 17mmT4	W/OIII,VB,PS,UB,B BLUEISH BALL,R=G	
IC	4913		Galaxy SA0-	
	Sep 12 2007	31" 17mmT4	PF,MS,OVAL,FLNUC,10 DEG ABOVE HRZN,R=F	
IC	4926		Galaxy E?	
	Sep 12 2007	31" 17mmT4	VF,MS,PATCH,UB,NND,PAIR=PGC63959,R=P	
IC	4931		Galaxy E+:	
	Sep 12 2007	31" 17mmT4	MB,PL,OVAL,FLNUC,R=F	
MAC	1952-3049		Galaxy	
	Sep 04 2005	31" 17mmT4	VF,MS,OVAL,FSNUC,NUC ,EL IN SHAPE,F*OFF ONE SIDE,PAIRS=PGC'S,R=F	
NGC	6439		Planetary Neb 2a	PLN,STELLAR=13M
	Jun 24 2022	36" 17mmT4	PB,VS,R,W/OIII,B BLUE,BM,F FUZZY AM NUC,R=F	
NGC	6440		H150-1	Globular V
	Jul 01 2019	36" 17mmT4	(Class V),PB,PL,F OUTER *S RSLV,UB LNUC W/*S RSLV,R=G	
	Sep 20 1984	12.5" 12mm	DIF,MF,PS,BET A LINE OF *S,6440 TO N 1/2 DEGREE,R,BM	
	Aug 13 1982	12.5" 16mm	MF,VS,F*N,R,SBM,VF*W,PAIR/6445	
NGC	6445		H586-2	Planetary Neb 3b+3
	May 18 2009	31" 17mmT4	VB,PL,HISB,LOOKS LIKE A BIG MAC SANDWITCH,2 HAMBURGER BUNS,NO CNTR*,SEP,D IN 2 HALVES,BOX-SQUARE SHAPE,OIII, OUTER SIDES OF NEB BTR,R=E	
	Sep 20 1984	12.5" 12mm	DIF,MF,PS,F* NW EDGE,B* TO W,PATCHY	
	Aug 13 1982	12.5" 16mm	PF,VS,BLUE GREEN,F* ON NW EDGE,OVAL-PATCHY,SBM,PAIR/6440	
NGC	6469		Open Cluster IV 2 m	CL,PRI,IN MILKY WAY
	Sep 20 1984	12.5" 24mm	MF,PL,NOT MUCH CL,FEW *S LOOSE AND SC	
NGC	6476		Open Cluster * cloud	NEBSPART OFMILKY WAY
	Jun 24 2022	36" 31mmT5	(IV 3 r),EB,EEL,V RICH FOV,NO CL,SVRL FOV'S,(2:11am),R=P	
NGC	6494		M23	Open Cluster II 2 r
	Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
	Sep 20 1984	12.5" 24mm	MB,VL,*S LOOSE & SC,*S ~SAME MAG,CL DET N PART	

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NGC 6494	M23		Open Cluster II 2 r	CL,B,VL,PRI,LC,*10..
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Jul 17 1980	12.5"	24mm		
Jun 18 1980	12.5"	24mm		
NGC 6506			Open Cluster IV 1 p	CL,RI,EL,VLC
Jun 24 2022	36"	17mmT4	(IV 1 p),CANNOT DET IN FOV,V RICH FOV,(2:18am),R=P	
NGC 6507			H53-8	Open Cluster IV 3 m
Sep 04 2002	12.5"	24mm	MF,PL,~20-30*S SAME MAG,SMWHT F BG GLOW	CL,PS,LRI,LC
NGC 6514	M20	H41-4	Brn Nebula EN+OC	VB,VL,TRIFID,D*INV
May 13 2021	36"	31mmT5	(Lb 1),EB,EEL,BOTH NEB PARTS EASILY DET,RIFTS,EDGES DEF IN DARK AREAS,W/OIII, FILLS FOV,BEST TO DATE,REDDISH COLOR,DARK LANES,(2:40am),R=EE	
Sep 11 2012	36"	31mmT5	EB,EL,W/OIII NICE D* IN CL,BKN PARTS,DARK LANES,BLUEISH GREEN ONE HALF,OTHER REDDISH AND FTR,NEB FILLS FOV,OIII GIVES MORE DETAIL IN NEB,W/OIII,NEB FTR,D* APPEARS BLUEISH,R=EE	
Mar 22 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Sep 20 1984	12.5"	24mm	SAME,TRIFID NEB	
Aug 13 1982	12.5"	24mm	MB,VL,DUST LANES EASILY DET,B DBL * IN CNTR,BOTH PARTS DET	
Sep 20 1981	12.5"	24mm		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Sep 10 1980	12.5"	24mm		
Jul 17 1980	12.5"	24mm		
Jul 15 1980	12.5"	32mm	GREAT!!,DBL * IS IN CNTR OF NEB	
Jun 18 1980	12.5"	24mm		
Jun 10 1980	6"	24mm		
May 07 1980	5"	9mm		
NGC 6520			H7-7	Open Cluster I 2 r n
May 12 2021	36"	55mm	(I 3 r n),VB,ML,NICE FOV,CL EASILY DET,~50*S VAR MAG,CNTR OF CL NICE GRP OF F*,W/OIII,CNTR GRP IN NEB,NEB EASILY DET,(3:28am),R=G	CL,PS,RI,LC,ST9...13
Jul 01 2019	36"	17mmT4	PB,PL,~50 *S,CIRCULAR,EVENLY DIST,NICE SIZE IN FOV,R=G	
Sep 20 1984	12.5"	12mm	MF,ML,2*S IN CNTR ~SAME MAG,SC,B*S WITH F* IN CNTR	
Aug 13 1982	12.5"	24mm	MB,ML,LOOSE,R,40*S,20F*S CL TOWARDS CNTR,8...12MAG	
Jun 18 1980	12.5"	24mm		
NGC 6522			H49-1	GCL,B,PL,R,GVMBM,RRR
Jul 01 2019	36"	17mmT4	(Class XII),PB,ML,SB NUC,L HALO OF VF*S,MHISB CNTR,RICH * FIELD,R=G	
Sep 20 1984	12.5"	12mm	PF,PS,2F*S BOTH SIDES,EF* ON W EDGE,SBM,PATCHY-R,PAIR/6528 TO W	
Aug 13 1982	12.5"	16mm	MF,VS,F*NE EDGE,R,MBM,OUTER *S JUST RESOLVABLE,PAIR/6538	
NGC 6523	M8	H13-5	Brn Nebula E	VB,EL,EIF,W/LCL
May 12 2021	36"	31mmT5	(Lb 1),BEST VIEW TO DATE,REDDISH COLOR DET,W/O FILTER DARK LANE THROT M8,W/OIII,EDGES DEF,DETAIL BEYOND DESC,2-3 FOV'S OF PATCHY NEB,PINKISH-RED COLOR,(3:45am),R=EEE	
May 12 2021	36"	55mm	(Lb 1),EB,EEL,W/OIII,B PATCHES OF NEB,DARK LANES,WISPS,EDGES WELL DEF IN PARTS,SUR N6530,SEV FOV'S,(3:40am),R=EE	
Sep 11 2012	36"	31mmT5	EB,EEL,HISB,W/OIII, 2XFOV,SOFT FILIMENTS GAS VAR B,DARK DUST THROUGH CNTR,~20* SIM MAG OFF SIDE,OIII HELPS GREATLY,MUCH MORE DETAIL,R=EE	
Mar 22 2004	12.5"	12mmT4	MESSIER MARATHON 2004	

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NGC 6523	M8	H13-5	Brn Nebula E	VB,EL,EIF,W/LCL
Sep 20 1984 12.5"	16mm	VB,VL,LAGOON NEB,DARK PATCH ALL WAY THROUGH,B AREAS OF NEB ONE SIDE		
Sep 20 1981 12.5"	24mm			
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
Sep 10 1980 12.5"	24mm			
Sep 03 1980 12.5"	24mm			
Jul 17 1980 12.5"	24mm			
Jul 15 1980 12.5"	24mm			
Jun 10 1980 6"	24mm			
May 07 1980 5"	9mm			
NGC 6526		H9-5	Brn Nebula E	F,L,CE
Sep 04 2002 12.5"	24mm	EF,PL,DIF NEB,L AREA OF NEB,BARELY DET		
NGC 6528		H200-2	Globular V	GCL,PF,CS,R,GBM,RRR
Jul 01 2019 36"	17mmT4	(Class IX),PB,ML,LB NUC,THIN F HALO *S RSLV,HISB CNTR,R=G		
Sep 20 1984 12.5"	16mm	DIF,VF,VS,6522 SAME FIELD TO E,IN BARREN * AREA,R,SBM		
Aug 13 1982 12.5"	16mm	VDIF,PF,VS,SBM,NO *S RSLV,PAIR/6522		
NGC 6530			Open Cluster II 2 m n	CL,B,L,PRI,FM8
May 12 2021 36"	55mm	(II 2 m n),VB,ML,E FOV,*S ~ SAME MAG,CL EASILY DET,W/OIII,B NEB PATCHES,DARK AREAS,IN M8,(3:35am),R=G		
Sep 20 1984 12.5"	16mm	VF,VL,LOOSE SC,SOME NEB DET FROM M8,~20*S		
Jul 17 1980 12.5"	24mm	CL THAT IS ASSOC WITH LAGOON NEB		
Jul 17 1980 12.5"	24mm			
Jul 15 1980 12.5"	24mm			
NGC 6531	M21		Open Cluster I 3 r	CL,PRI,LC,ST9...12
Sep 11 2012 36"	31mmT5	VB,EL,2B*S SAME MAG CNTR,LOOSELY SC,* VAR MAG,INNER RING OF *S SIM MAG,R=G		
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Sep 20 1984 12.5"	16mm	VB,ML,~20*S,LOOSE,B* IN CNTR		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
Jul 17 1980 12.5"	24mm			
Jun 18 1980 12.5"	24mm			
Jun 10 1980 6"	24mm			
NGC 6537			Planetary Neb 2a+6	PLN,B,S,STELLAR
May 19 2009 31"	12mmT4	PB,PS,UB,NO CNTR*,BLUEISH GREEN,S BALL,OIII DOESNOT HELP,R=G		
NGC 6540		H198-2	Globular	PF,S,IE,ER OR CL
Jul 01 2019 36"	17mmT4	(Class X),MB,MS,EL,SF NUC,V RICH * FIELD,R=F		
Sep 20 1984 12.5"	16mm	VDIF,VF,VS,*S ~SAME MAG(11,5),SC,FIND 6520 FIRST		
Aug 13 1982 12.5"	16mm	DIF,VF,VS,EL PATCH,APPEARS AS A GLXY,LOCATE FROM 6520,FEW *S RSLV		
NGC 6544		H197-2	Globular	CF,PL,IR,R
Jul 01 2019 36"	17mmT4	(Class VIII),MB,ML,SNUC,LOOSELY SC OUTER *S RSLV TO CORE,SHISB CNTR,R=G		
Sep 20 1984 12.5"	16mm	VF,MS,F* V CLOSE BY,R,BM,SOME *S RSLV		
Aug 13 1982 12.5"	16mm	MF,MS,FNUC,SNUC,GBM,SOME *S RSLV,R		

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NGC 6546		Open Cluster II 1 r	CL,VL,VRI
Sep 20 1984 12.5"	24mm	MF,PL,~20*S,LOOSE,SC	
NGC 6553		H12-4 Globular XI	GCL,F,L,LE,VGLBM,RR
Jul 01 2019 36"	17mmT4	(Class X),VB,VL,BLNUC,MHISB,F OUTER * 'S RSLV,L UB CNTR RGN,R=E	
Sep 21 1984 12.5"	16mm	SAME,DARK PATCH DET ON EDGE	
Aug 13 1982 12.5"	16mm	MF,PL,OVAL,PATCHY,F*N EDGE,SBM	
NGC 6558		Globular	GCL,PB,PL,R,GLBM,RRR
Jul 01 2019 36"	17mmT4	(Class III),MB,MS,SNUC,OUTER *S RSLV TO CORE,SHISB CNTR,CORE ELR=FG	
Sep 21 1984 12.5"	16mm	DIF,VF,VS,PATCHY-OVAL,2F*S OFF TO ONE SIDE	
NGC 6559		Brт Nebula E	VF,VL,LE,**INV
May 13 2021 36"	31mmT5	(Lb 3),DIF,VF,ML,W/OIII,NEB PATCHS,6* GRP TGT,BTEST PART SUR PAIR OF *S,EDGES NOT WELL DEF,(3:00am),R=F	
NGC 6561		H54-8 Open Cluster	CL,L,LC,ST CL
May 05 2021 36"	17mmT4	(II 3 r),EB,EEL,2-3 FOV'S,VAR MAG,LOOSELY SC,~100 *S,R=F	
NGC 6563		Planetary Neb 3a	PLN,F,L,CE,HAZY EDGE
May 19 2009 31"	17mmT4	PB,PL,UB,NO CNTR*,GREENISH,PARTS SUR EDGE NOT WELL DEFINED,OIII MORE NEB,R=E	
Sep 21 1984 12.5"	12mm	VDIF,VF,VS,VF* OFF TO W,PATCHY-R,UB	
NGC 6565		Planetary Neb 4	PLN,STELLAR
May 19 2009 31"	12mmT4	PB,VS,UB,NO CNTR*,GREENISH-BLUE BALL,OIII DOESNOT HELP MUCH,R=G	
Sep 21 1984 12.5"	12mm	VF,VS,3F*S TO N IN A LINE,BLUEISH COLOR,R,UB	
NGC 6567		Planetary Neb 2a+3	PLN,STELL,11M,IN ACL
May 19 2009 31"	12mmT4	MB,VS,UB,VF* OFF TO SIDE,RICH * FOV,VF CNTR* SUSP,OIII DNOT HELP,BLUEISH SBALL,R=F	
Sep 21 1984 12.5"	12mm	DIF,MF,MS,R,B BLUE,ALM STELL	
NGC 6568		H30-7 Open Cluster IV 1 m	CL,VL,LC
Sep 21 1984 12.5"	24mm	MB,PL,LOOSE AND SC,B* NEAR BY,*S ~SAME MAG	
Aug 13 1982 12.5"	24mm	MB,VL,LOOSE,~40*S	
NGC 6569		H201-2 Globular VIII	GCL,CB,L,R,RRR,*15..
Jul 01 2019 36"	17mmT4	(Class VIII),MB,ML,ALM UB,FEW *S RSLV OUTER EDGE,R=G	
Sep 21 1984 12.5"	24mm	PF,PS,R,SBM,2F*S TO S IN A LINE POINTING TO A B DBL *,F* ON S EDGE	
Aug 13 1982 12.5"	16mm	DIF,MF,MS,R,GBM,UB	
NGC 6578		Planetary Neb 2a	PLN,STELLAR=13MAG
May 19 2009 31"	12mmT4	PB,MS,VF* OR PIECE OF NEB OFF ONE SIDE,VF CNTR* APP 15TH SUSP,GBM,OIII DNH,R=G	
Sep 12 2007 31"	17mmT4	W/OIII,PB,MS,R,B CNTR,BLUEISH BALL,HISB CNTR,* OFF SIDE,F HALO SUR=G	
NGC 6583		H31-7 Open Cluster I 2 m	CL,PRI,PC,CE,ST13...
Aug 13 1982 12.5"	16mm	DIF,MF,MS,20-30*S,RSLV,R	

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NGC 6589		Brn Nebula R	D*CENTRE EF,PL NEBY
Jun 23 2022 36"	17mmT4	(Lb 2),DIF,MF,ML,OIII NO HELP,VF*S IN NEB,PATCHY,B* IN MID OF NEB,B NEB DET AWAY FROM *,(1:17am),R=F	
Sep 12 2007 31"	31mmT5	VB,VL,AREA OF NEB WITH B* IN ONE SIDE,OIII DOESNOT HELP MUCH,PAIRS=NGC'S/IC,R=G	
NGC 6590		Brn Nebula R	D*CENTRE PF,PL,RNEBY
Jun 23 2022 36"	17mmT4	(Lb 2),DIF,MB,PL,MHISB,BKN PATCHY NEB DET,2*S IN MID OF NEB,PATCH FADES INTO FOV,O111 NO GOOD,(1:11am),R=G	
Sep 12 2007 31"	31mmT5	VB,VL,3*S WITH NEB SURNEB FTR FURTHER FROM *S,PAIRS=NGC'S/IC,R=G	
NGC 6595		Open Cluster III 3 m n	F,PL,CE,**INV
Sep 12 2007 31"	17mmT4	MB,VL,~20*S,FEW B*S,SOME CL,SC,*S SIM MAG,R=P	
NGC 6596		H55-8	Open Cluster II 2 m n
Sep 12 2007 31"	31mmT5	VB,VL,~20*S VAR MAG,LTL CL,LOOSE,SC,R=P	CL,LC
Sep 04 2002 12.5"	24mm	MB,ML,LOOSE,SC,~30*S, SAME MAG,DOESNOT STAND OUT WELL	
NGC 6603	M24	Open Cluster I 2	CL,VRI,VMC,R,M WAY
Sep 11 2012 36"	31mmT5	MB,PL,100-200*S SIM MAG,NICELY CL,OBJ FTR THAN MOST FOREGR *S,R=E	
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jul 17 1980 12.5"	24mm		
Jun 10 1980 6"	24mm		
NGC 6613	M18	Open Cluster II 3 p n	CL,P,VLC
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jul 17 1980 12.5"	24mm		
NGC 6618	M17	Brn Nebula EN+OC	B,EL,EIF,2HOOKED
Jun 23 2022 36"	31mmT5	(Lb 1),EB,EEL,2 FOV'S,AWESOME,BEST TODATE,HINTS OF REDDISH/GREEN AREAS,W/OIII, BEST, BTR DARKER NEB,BKN,DUST,HISB IN PARTS,WHISPS FADED AWAY GRAD,(1:42am),R=EEE	
Sep 11 2012 36"	31mmT5	EB,EEL,VHISB,W/OIII,ABSOL AWESOME,CAN MAKE OUT THE SWAN IN DETAIL,BODY FT WISPS OF GAS WITH V FINE DETAIL,LOOKS LIKE FEATHERS,WELL POSITIONED IN FOV,OIII HELPS GREATLY,AREA UNDER NECK AND V DARK,R=EEE	
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Sep 21 1984 12.5"	24mm	EB,VL,OMEGA NEB,CRACKS DET,DARK CLOUD DET IN W EDGE,FINE FILAMENTS OF NEB	
Sep 20 1981 12.5"	24mm		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Sep 10 1980 12.5"	24mm		
Sep 03 1980 12.5"	24mm		
Jul 17 1980 12.5"	24mm		
Jul 17 1980 12.5"	24mm		
Jul 15 1980 12.5"	24mm	NICE!!,NEB FILTER SHOWS QUESTION MARK EASILY	
Jun 17 1980 12.5"	24mm		
Jun 10 1980 6"	24mm		
NGC 6620		Planetary Neb 2b	PLN,STELLAR
May 19 2009 31"	12mmT4	MB,VS,SOME B CNTR DET,NO CNTR*,GREENISH,OIII HELPS BR TEN NEB,R=F	

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NGC 6620		Planetary Neb 2b	PLN,STELLAR
Sep 05 2007 31"	17mmT4	MB,VS,GREENISH BALL,SBM,OIII DOESNOT HELP MUCH,R=F	
NGC 6624		H50-1	Globular VI
Jul 01 2019 36"	17mmT4	(Class IV),PB,ML,BSNUC,OUTER *S RSLV TO CORE,HISB CNTR,GMBM,R=GE	GCL,VB,PL,R,RRR,ST16
Aug 13 1982 12.5"	16mm	VB,MS,BNUC,R,VMBM	
NGC 6626		M28	Globular
Jun 28 2019 36"	17mmT4	(Class V),VB,VL,GMBM,HISB MID,*S RSLV TO CORE,L SCATTERD OUTER *S,R=E	GCL,VB,L,R,GECM,RRR
Sep 11 2012 36"	17mmT4	VB,VL,HISB,RSLV TO CORE,HUNDREDS OF *S SIM MAG,WELL PLACED IN FOV,MHISB IN CNTR,R=E	
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Sep 20 1981 12.5"	24mm		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jul 17 1980 12.5"	24mm		
Jun 18 1980 12.5"	24mm		
Jun 17 1980 12.5"	24mm		
Jun 10 1980 6"	24mm		
NGC 6629		H204-2	Planetary Neb 2a
May 19 2009 31"	12mmT4	MB,PS,R,CNTR* ~13TH MAG,BLUEISH-GREEN,B TOWARDS CNTR,OIII DNH,R=G	PLNORGCL,PB,EES,R
Aug 13 1982 12.5"	7mm	MF,VS,BET 2*S IN FIELD OF VIEW,HARD TO LOC,R,BLUE GREEN COLOR	
NGC 6637		M69	Globular
Jun 28 2019 36"	17mmT4	(Class V),PB,MS,F OUTER *S RSLV TO CORE,L CORE UB,R=G	GCL,B,L,R,RRR,*14.16
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Sep 20 1981 12.5"	24mm		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jul 17 1980 12.5"	24mm		
Jun 18 1980 12.5"	24mm		
NGC 6638		H51-1	Globular VI
Jun 28 2019 36"	17mmT4	(Class VIII),PB,MS,F OUTER *S RSLV TO SOF UB L CORE,R=GE	GCL,B,S,R,RR
Jun 18 1980 12.5"	24mm		
Jun 17 1980 12.5"	24mm		
NGC 6642		H205-2	Globular VI
Jun 28 2019 36"	17mmT4	(Class II),PB,ML,OUTER *S SC AND RSLV TO CORE,MHISB CNTR,R=G	GCL,PB,PL,IR,GPMBM
Aug 13 1982 12.5"	16mm	MF,PS,VMBM,R	
NGC 6644		Planetary Neb 2	PLN,STELLAR
May 19 2009 31"	12mmT4	MB,VS,R,UB,BLUEISH,NO CNTR*,OIII B NEB,R=G	
Sep 05 2007 31"	17mmT4	W/OIII,PB,MS,R,B BLUE BALL,STANDS OUT WELL,W/O OIII,SOME FNEB SUR CREG,R=G	
NGC 6645		H23-6	Open Cluster IV 1 m
Aug 13 1982 12.5"	24mm	MB,VL,LOOSE,~50*S,SC,SHOWS WELL	CL,PL,VRI,PC,ST11.15
NGC 6652		Globular	B,S,LE,RRR,ST15

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NGC 6652		Globular	B,S,LE,RRR,ST15
Jun 28 2019 36"	17mmT4	(Class VI),MB,MS,MHISB,OUTER *S RSLV TO CORE,R=G	
Sep 05 2007 31"	17mmT4	MB,ML,S CNTR CORE,OUTER *S RSLV,FEW BTR *S OFF EDGE,R=F	
NGC 6656	M22	Globular	GCL,VB,VL,R,VRI,VMC
Jun 28 2019 36"	17mmT4	(Class VII),EB,EL,I'S FILL FOV,B*S SC INTO CORE,L UB CORE, MHISB,R=EE	
Sep 11 2012 36"	17mmT4	EB,VL,RSLV TO CORE,HUNDREDS OF *S,CORE HISB OVAL TO R,FILLS 1/2 FOV,AWESOME,R=E	
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Sep 20 1984 12.5"	16mm	VB,VL,RSLV,HUNDREDS OF *S,HISB CNTR,B*S ~SAME MAG	
Sep 20 1981 12.5"	24mm		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Sep 10 1980 12.5"	24mm		
Jul 17 1980 12.5"	24mm		
Jul 15 1980 12.5"	24mm		
Jun 18 1980 12.5"	24mm		
Jun 17 1980 12.5"	24mm		
Jun 10 1980 6"	24mm		
NGC 6681	M70	Globular	GCL,B,PL,R,GBM,
Jun 28 2019 36"	17mmT4	(Class IV),PB,MS,SB NUC,MHISB,OUTER *S RSLV TO CORE,R=G	
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Sep 20 1981 12.5"	24mm		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jul 17 1980 12.5"	24mm		
Jul 15 1980 12.5"	24mm		
Jun 18 1980 12.5"	24mm		
NGC 6715	M54	Globular	GCL,VB,L,R,G,SMBM,
Jun 28 2019 36"	17mmT4	(Class III),VB,MS,LB NUC,HISB,*S RSLV TO LB CORE,R=GE	
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Sep 20 1984 12.5"	12mm	MB,PS,BNUC,VMBM,OUTER *S JUST RSLV,LNUC RGN	
Sep 20 1981 12.5"	24mm		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jul 17 1980 12.5"	24mm		
Jun 18 1980 12.5"	24mm		
NGC 6716		Open Cluster IV 1 p	CL,PRI,ST9...13
May 13 2021 36"	31mmT5	(IV 1 p),VB,PL,EL E-W,~15 *S SAME MAG,GRP OF 10-15*S TO SW NOT PART OF CL,(4:09am),R=F	
Sep 05 2007 31"	17mmT4	MB,ML,25*S LOOSELY SC,SOME CL,ANOTHER GRP *S TO ONE SIDE,R=F	
NGC 6717	H143-3	Globular VIII	F,S,RR,CL+NEB
Jun 28 2019 36"	17mmT4	(Class IX),MF,PS,SB NUC,HISB,B* CLOSE BY,BKN PARTS OF NEB,OUTER *S RSLV,R=F	
Sep 04 2002 12.5"	9mmT6	PB,ML,B* CLOSE BY,VF* IN EDGE OF GLXY,HISB,2 HALVES OR PARTS DET	
NGC 6723		Globular	GCL,VL,VLE,VGBM,RRR
Jun 28 2019 36"	17mmT4	(Class XI),MF,VL,LF NUC,F OUTER *S RSLV,R=FG	
Sep 20 1981 12.5"	24mm		

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NGC 6723		Globular	GCL,VL,VLE,VGBM,RRR
Jun 18 1980 12.5"	24mm		
NGC 6774		Open Cluster IV 2 p	CL,VL,LC
May 13 2021 36"	31mmT5	(IV 3 m),EB,EL,~50*S PLUS, FILLS FOV,SC,BEST IN FINDER WHRE CL IS DET,* VAR	
Sep 20 1984 12.5"	24mm	MAG,(4:25am),R=F MB,PL,~15-20 *S,N OF A L GRP OF *S,SC,*S ~SAME MAG	
NGC 6794		Galaxy SA(rs)ab:	EF,PS,R,VGV LBM
Sep 05 2007 31"	17mmT4	EF,MS,PATCH,AV,SUSP,LOC GOOD,DET VF FUZZ AT LOC,R=P	
NGC 6805		Galaxy E1	EF,R,VGBM
Sep 05 2007 31"	17mmT4	EF,MS,PATCH,UB,AV,R=P	
NGC 6806		Galaxy SAB(rs)c pec	EF,VS,*14ATT
Sep 12 2007 31"	17mmT4	PF,MS,OVAL,FSNUC,6 DEGREES ABOVE HRZN,R=F	
NGC 6809	M55	Globular	GCL,PB,L,R,VRI,VGBM
Jun 28 2019 36"	17mmT4	(Class XI),VB,EL,OUTER *S RSLV,V L GLOW OF NUC,R=G	
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Sep 20 1984 12.5"	16mm	PF,VL,MANY *S RSLV,MHISB,GLOW IN BG,LOC IN BARREN * FIELD	
Sep 20 1981 12.5"	24mm		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jul 17 1980 12.5"	24mm		
Jul 15 1980 12.5"	24mm		
Jun 18 1980 12.5"	24mm		
Jun 17 1980 12.5"	24mm		
NGC 6816		Galaxy SB(rs)bc pec	EF,PS,R,VLBM,*NP
Sep 05 2007 31"	17mmT4	DIF,VF,MS,OVAL,PATCH,UB,NND,R=P	
NGC 6818		H51-4	Planetary Neb 4
Sep 02 2008 31"	17mmT4	VB,ML,R,OIII HELPS MUCH,B BLUEISH GREEN,CNTR RGN DARK,NO CNTR* DET,R=E	PLN,B,VS,R
Jul 30 2002 12.5"	16mm	MB,ML,B BLUE GREEN,VR	
Sep 20 1984 12.5"	12mm	PB,PS,F* JUST TO W,UB,R	
Sep 20 1981 12.5"	24mm		
Jul 15 1980 12.5"	24mm		
Jun 18 1980 12.5"	24mm		
Jun 17 1980 12.5"	9mm	GREAT,LOOKS LIKE 6210	
NGC 6822		Galaxy IB(s)m	VF,L,E,DIF
Sep 12 2007 31"	31mmT5	PF,EL-OVAL,2 FOV'S,SCAN AREA,KNOTS DET,PATCHY NUC AREA,PAIRS=PGC'S,R=F	
Jul 30 2002 12.5"	25mm	IRR,VDIF,VF,VL,EL,PATCHY,RESEMBLES OPEN CL	
Sep 20 1984 12.5"	24mm	EDIF,EF,ML,SEEMS TO BE LOC IN BARREN AREA,SOME HINT OF BG GLOW	
Sep 20 1981 12.5"	24mm	BERNARDS GLXYAXY,JUST N OF 10*S (11...12TH MAG) SC E TO W	
Sep 10 1980 12.5"	24mm	EF,EDIF,LG	

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NGC 6835		Galaxy SB(s)a? sp	F,PL,ME
Sep 05 2007 31"	17mmT4	MB,ML,EL,SHISB,SLT CNTR BULGE,R=G	
Sep 20 1984 12.5"	16mm	EDIF,EF,VS,EL E-W,COMES AND GOES WITH AV	
NGC 6836		Galaxy SABm	VF,PL,R,DIF
Sep 05 2007 31"	17mmT4	EF,MS,OVAL,PATCH,UB,VF* BY EDGE,R=P	
NGC 6841		Galaxy E0:	VF,S,R,PSBM
Sep 05 2007 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,R=F	
NGC 6849		Galaxy SB0-:	PB,S,R,VS*NP
Sep 12 2007 31"	17mmT4	EF,MS,PATCH,AV FIRST THEN HOLDS,R=P	
NGC 6864	M75	Globular	GCL,B,PL,R,VMBMBN,RR
Jun 28 2019 36"	17mmT4	(Class I),VB,ML,BLNUC,HISB,VMBM,OUTER HALO *S RSLV GOING INTO BNUC,R=E	
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Sep 20 1984 12.5"	12mm	MB,PS,BNUC,R,BM,OUTER HALO ALM RSLV	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jul 17 1980 12.5"	24mm		
Jun 18 1980 12.5"	24mm		
PAL 8		Globular	
Jun 28 2019 36"	17mmT4	(Class XII),MF,ML,UB,LNUC,VF* RSLV SUR CORE,CORE UB,R=FG	
PGC 63587		Galaxy SA(rs)0-:	
Sep 05 2007 31"	17mmT4	MF,MS,EL,VSNUC,R=F	
PGC 63592		Galaxy Sc sp	
May 31 2014 36"	17mmT4	EF,VS,EDGE ON,PA~?,ONLY CNTR NUC DET WITH AV,AV HARD TO HOLD,R=P	
PGC 63596		Knot in Galaxy	
Sep 12 2007 31"	17mmT4	PF,PS,OVAL,FSNUC,PATCHY AREA,CLOSE TO BTR KNOTS,PAIR=NGC6822,R=F	
PGC 63600		Knot in Galaxy r	
Sep 12 2007 31"	17mmT4	PF,PS,OVAL,FSNUC,PATCHY AREA,CLOSE TO BTR KNOTS,PAIR=NGC6822,R=F	
PGC 63604		Galaxy SB0-? pec	
Sep 05 2007 31"	17mmT4	VF,MS,OVAL,PATCH,UB,NND,R=P	
PGC 63748		Galaxy E2	
Sep 04 2005 31"	17mmT4	VF,VS,R,FSNUC,F* ON EDGE,PAIRS=PGC'S/MAC,R=F	
PGC 63749		Galaxy S?	
Sep 04 2005 31"	17mmT4	EF,VS,PATCH,UB,NND,PAIRS=PGC'S/MAC,R=F	
PGC 63752		Galaxy S?	
Sep 04 2005 31"	17mmT4	VDIF,EF,VS,PATCH,UB,NND,PAIRS=PGC'S/MAC,R=P	

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PGC 63900		Galaxy SB(rs)c pec?
Sep 05 2007 31"	17mmT4	DIF,EF,MS,PATCH,AV,R=P
PGC 63959		Galaxy SB(r)0+
Sep 12 2007 31"	17mmT4	DIF,EF,MS,PATCH,NND,AV FIRST THEN HOLDS,PAIR=IC4926,R=P
RU 146		Open Cluster IV 1 p
May 13 2021 36"	17mmT4	(IV 1 p),MF,MS,~20*S SC E-W,*S SAME MAG,(3:48am),R=F
SAND 2-348		Planetary Neb 2
Sep 12 2007 31"	17mmT4	W/OIII,PF,PS,UB,GRAYISH GREEN BALL,R=F
SH2 16		Brt Nebula E
May 13 2021 36"	31mmT5	(Lb 2),DIF,VF,VL,CR347 IN NEB,W/OIII,VF PATCHS OF NEB DET,EDGES HARD TO DET,BTEST PART N OF CR347,(2:30am),R=F
May 12 2021 36"	55mm	(Lb 3),DIF,VF,MS,F PATCHY NEB ALM CR347,(3:12am),R=P
TER 5		Globular
Jul 01 2019 36"	17mmT4	(Class XII),EF,VS,PATCH,UB,NND,F* JUST OF ONE EDGE,R=P
TER 7		Globular
Jun 28 2019 36"	17mmT4	(Class ?),EF,VS,PATCH,AV COMES AND GOES,LOC GOOD,R=P
TER 8		Globular
Jul 01 2019 36"	17mmT4	(Class X ?),EF,ES,PATCH,UB,NND,R=P
TER 9		Globular
Jul 01 2019 36"	17mmT4	LOC GOOD,EF,ES,CAN ONLY SUSP,R=P
TER 10		Globular
Aug 03 2019 36"	17mmT4	(Class ?),EF,VS,PATCH,NND,R=P
TER 11		Globular
Jul 01 2019 36"	17mmT4	(Class III ?),VF,ES,R,VFSNUC,ALM *,F GLOW SUR FVSNUC,R=P
UKS 1		Globular
Jul 01 2019 36"	17mmT4	DNF,LOC GOOD,CAN ONLY SUSP,R=P

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CED 34			Brт Nebula R
Oct 18 2023	12.5"	17mmT4	(Lb 3),DIF,MB,VS,B* IN NEB PROHIBITS ANY CHANGE OF DET F NEB,OIII NOT HELP,(1:46am),R=P
CED 44			Brт Nebula R
Oct 18 2023	12.5"	31mmT5	(Lb 2),DIF,EF,MS,DET F PATCH OF NEB WITH AV,B223 DARK NEB SUSP ALONG EDGE OF CED 44,(2:38am),R=P
DODZ 3			Open Cluster IV 2 p
Nov 13 2020	36"	55mm	(IV 2 p),VB,VL,-12*S VAR MAG,SC,(2:55am),R=PF
DODZ 4			Open Cluster III 2 p
Mar 03 2021	36"	55mm	(IV 2 p),VB,VVL,2 FOV'S,-15*S,SMWHT VAR MAG,FEW F*S,NO CL,(7:30pm)R=P
IC 322			Galaxy
Dec 26 2003	31"	17mmT4	DIF,PF,MS,PATCH,UB,NND,R=P
IC 329			Galaxy S?
Dec 26 2003	31"	17mmT4	VF,MS,PATCH,FSNUC,PAIRS=IC331/IC330,R=F
IC 330			Galaxy Sab
Dec 26 2003	31"	17mmT4	DIF,VF,MS,PATCH,UB,PAIRS=IC329/IC331,R=F
IC 331			Galaxy S?
Dec 26 2003	31"	17mmT4	VF,MS,PATCH,FSNUC,PAIRS=IC329/IC330,R=F
IC 332			Galaxy (R)SAB(rs)0/a:
Dec 26 2003	31"	17mmT4	PF,MS,PATCH,FSNUC,R=F
IC 338			Galaxy S?
Dec 26 2003	31"	17mmT4	VDIF,VF,MS,PATCH,UB,NND,R=P
IC 353			Brт Nebula R
Dec 04 2004	31"	31mmT5	VDIF,MF,EL,SCAN AREA WITH AND W/O OIII,NEB DET IN AREAS,BTR W/O OIII,R=F
IC 355			Galaxy Sc
Dec 26 2003	31"	17mmT4	VDIF,VF,MS,OVAL,PATCH,UB,NND,R=P
IC 357			Galaxy SB(s)ab
Dec 26 2003	31"	17mmT4	MF,MS,EL,PATCH,UB,NND,SHISB,R=F
IC 358			Galaxy S0
Dec 26 2003	31"	17mmT4	MF,MS,FSNUC,R=F
IC 359			Galaxy S0-:
Dec 26 2003	31"	17mmT4	MF,MS,R,FSNUC,SHISB CNTR,2F*S ON EDGE,R=F
IC 363			Galaxy

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IC 363		Galaxy	
Dec 26 2003 31"	17mmT4	MF,MS,OVAL,PATCH,FSNUC,R=F	
IC 364		Galaxy	
Dec 26 2003 31"	17mmT4	MF,MS,PATCH,BSNUC,SBM,SHISB CNTR,R=F	
IC 365		Galaxy (R')SB(rs)0+:	
Dec 26 2003 31"	17mmT4	MF,MS,OVAL,FSNUC,R=F	
IC 366		Galaxy E	
Oct 20 2006 31"	17mmT4	MF,MS,OVAL,BLNUC,MHISB CNTR,PAIR=1551,R=F	
Nov 20 2003 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIR=NGC1550,R=F	
IC 374		Galaxy	
Jan 24 2004 31"	17mmT4	MF,PS,EL-OVAL,FSNUC,SBM,R=F	
IC 1918		Galaxy	
Dec 26 2003 31"	17mmT4	VDIF,VF,PS,PATCH,UB,NND,R=P	
IC 1931		Galaxy D	
Dec 26 2003 31"	17mmT4	VDIF,EF,PS,PATCH,UB,NND,R=P	
IC 1956		Galaxy SBbc:	
Dec 26 2003 31"	17mmT4	DIF,PF,PS,PATCH,UB,NND,R=P	
IC 1967		Galaxy Sbc	
Dec 26 2003 31"	17mmT4	DIF,MF,MS,PATCH,UB,NND,R=P	
IC 1977		Galaxy SBb	
Dec 26 2003 31"	17mmT4	MF,ML,EL,PATCH,UB,NND,VF* OFF TO SIDE,R=F	
IC 1998		Galaxy	
Jan 24 2004 31"	17mmT4	VF,PS,OVAL,FSNUC,LOC IN BARREN FIELD,R=P	
IC 2002		Galaxy SBa	F, E NS, DIF, *14 N
Dec 04 2004 31"	17mmT4	MF,MS,EL,PATCH,NND,R=F	
IC 2016		Galaxy C	
Dec 26 2003 31"	17mmT4	VDIF,VF,MS,PATCH,VFNUC,R=P	
IC 2019		Galaxy Double System	
Jan 24 2004 31"	17mmT4	MF,MS,OVAL,FLNUC,SOFT NUC AREA,PAIR=MAC,R=F	
IC 2057		Galaxy S?	
Dec 26 2003 31"	17mmT4	PF,ML,OVAL,PATCH,UB,NND,R=F	
IC 2074		Open Cluster	VF, S, ST INV; S CL?

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IC	2074		Open Cluster	VF, S, ST INV; S CL?	
	Dec 15 2004	12.5"	12mmT4	VF,VS,PATCH,CL ~3-5*S,APPEARS AS VF NEB,VERIFIED WITH DSS,R=P	
IC	2087		Brn Nebula R		
	Dec 15 2004	12.5"	12mmT4	EDIF,EF,MS,PATCH,W0III,AV DET A S VF PATCH,AV,SUSP,LOC GOOD,R=P	
	Dec 04 2004	31"	17mmT4	NO FIND,USED 31MM AND 17MM WITH AND WITHOUT OIII	
M	45		M45	Open Cluster	
	Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
	Mar 02 1984	10"	20mm	BEAUTIFUL IN FINDER,EB,EL	
	Sep 20 1981	12.5"	24mm		
	Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
	Oct 31 1980	12.5"	24mm		
	Sep 10 1980	12.5"	32mm		
MAC	0401+0538			Galaxy	
	Jan 24 2004	31"	17mmT4	VDIF,EF,ES,PATCH,NND,AV,ATTACHED TO IC2019,R=P	
MAC	0404+2002			Galaxy	
	Dec 26 2003	31"	17mmT4	EDIF,EF,VS,PATCH,NND,R=P	
MEL	25			Open Cluster	
	Mar 17 2010	12"	32mm	VB,EEL,SVRL FOV'S,*S VAR MAG,~200*S,LOOSELY SC,M CL,R=F	
NGC	1312			Galaxy (R')SBb: sp	F
	Nov 20 2003	31"	17mmT4	EDIF,EF,VS,PATCH,NND,R=P	
NGC	1349			Galaxy S0	EEF,S,R,BET2*
	Nov 20 2003	31"	17mmT4	PF,MS,OVAL,PATCH,VFNUC,SBM,BET 2*S,R=F	
NGC	1384			Galaxy S?	NEB* 13
	Nov 20 2003	31"	17mmT4	PF,MS,OVAL,PATCH,FSNUC,R=F	
NGC	1409		H263-3	Galaxy SAB0: pec	EF,STELLAR OR LE
	Nov 20 2003	31"	17mmT4	DIF,MF,PS,OVAL,PATCH,UB,NND,ATTACHED TO NGC1410,R=F	
NGC	1410			Galaxy E pec:	MAKESDNEBW/1409,POS0
	Nov 20 2003	31"	17mmT4	DIF,MF,PS,OVAL,PATCH,UB,NND,ATTACHED TO NGC1409,R=F	
NGC	1431			Galaxy S0 pec:	EF,PL,IR
	Nov 20 2003	31"	17mmT4	EDIF,EF,VS,PATCH,UB,NND,R=P	
NGC	1432			Brn Nebula R	EF,VL,DIF, MAIA
	Oct 18 2023	12.5"	17mmT4	(Lb 1),DIF,EB,EL,NEB AM *S IN M45,INCLUDES VDB 20,21,22,23,(12:50am),R=GE	
	Dec 04 2004	31"	31mmT5	DIF,VB,EL,WITH OIII,NEB EASILY DET SUR *S IN M45,R=G	
NGC	1435			Non-Existent	VF,VL,DIF,MEROPE

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NGC 1435		Non-Existent	VF,VL,DIF,MEROPE
Dec 04 2004 31"	31mmT5	DIF,VB,EL,WITH OIII,NEB EASILY DET SUR *S IN M45,R=G	
NGC 1462		Galaxy S?	VF,S,VLE
Nov 20 2003 31"	17mmT4	MF,PL,OVAL,PATCH,UB,NND,R=F	
NGC 1488		Galaxy	*12INV IN NEB
Nov 20 2003 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,R=P	
NGC 1497		Galaxy S0	EF,VS,IR,MBM
Nov 20 2003 31"	17mmT4	MB,PL,OVAL,BLNUC,SHISB,CLOSE TO PGC14314,R=G	
NGC 1508		Galaxy Sc	VF,VS,R,BM,R
Nov 20 2003 31"	17mmT4	PF,MS,OVAL,PATCH,FSNUC,VF* ON EDGE,PAIR=PGC14451,R=F	
NGC 1514		H69-4 Planetary Neb 3+2	*9IN NEB3'DIAM
Oct 09 2010 31"	17mmT4	PB,PL,OVAL-R,CNTR* ~9TH MAG,L NEB,SPRIAL IN STR,DARK INNER RING BKN,R=E	
Oct 09 2010 31"	17mmT4	PB,PL,OVAL,OIII HELPS BRING OUT MORE DETAIL IN NEB,DARK PATCHES IN NEB,R=E	
Dec 25 1984 12.5"	16mm	PB,ML,B CNTR *,LOC BET 2B*S,L BALL OF NEB,R,MHISB	
NGC 1517		Galaxy Scd:	VF,VS,R,R,*9,10SF
Nov 20 2003 31"	17mmT4	MB,ML,PATCH,UB,NND,MHISB,B* OFF ONE EDGE,R=G	
NGC 1539		Galaxy C	VF,VS,GBM
Nov 20 2003 31"	17mmT4	MF,MS,OVAL,PATCH,VFNUC,SHISB,SBM,R=G	
NGC 1541		Galaxy S0+:	VF,S
Nov 20 2003 31"	17mmT4	MF,PS,EL,PATCH,UB,SBM,CNTR BULGE,NND,R=F	
NGC 1542		Galaxy Sab	VF,S,E
Nov 20 2003 31"	17mmT4	MF,PS,EL,PATCH,UB,NND,R=F	
NGC 1550		H464-2 Galaxy E-S0	VF,S,R,*13NR
Oct 20 2006 31"	17mmT4	MB,PL,EL,BLNUC,MHISB CNTR,PAIR=IC366,R=G	
Nov 20 2003 31"	17mmT4	VB,VL,R,BLNUC,GMBM,HISB CNTR,MHISB,PAIR=IC366,R=E	
NGC 1554		Brn Nebula R	VAR,S,R,NN=*13
Nov 20 2003 31"	17mmT4	SUSP,B NEB,LOC GOOD	
NGC 1555		Brn Nebula RN	VF,S,VARIABLE
Oct 18 2023 12.5"	17mmT4	(Lb 2),DIF,MF,VS,TRIED 31MM,17MM,12MM,9MM AND ONLY GOT A SMALL BLUEISH FUZZY BALL,DID NOT DET ANY PATCHY NEB,W/OIII OBJ DISAPPEARS!!,(1:40am),R=P	
Dec 25 1984 12.5"	24mm	HIND'S VARIABLE NEB - FADED FROM VIEW,ASSOC WITH T-TAURI	
NGC 1587		H8-2 Galaxy E pec	F,PS,R,R,P OF D NEB
Sep 06 2002 12.5"	9mmT6	PB,PL,OVAL,LNUC,MHISB,BM,COMP=1588	

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NGC 1588 Sep 06 2002 12.5" 9mmT6	H9-2 MF,ML,OVAL,SBM,COMP=1587	Galaxy E pec?	F,VS,R,R,F OF DNEB
NGC 1589 Sep 06 2002 12.5" 9mmT6	H7-2 EL,F* OF NUC,BM,LNUC,MHISB,PAIR/1587/1588	Galaxy Sab sp	F,PL,LE132,*80"NP
NGC 1590 Dec 15 2004 12.5" 12mmT4 Nov 20 2003 31" 17mmT4	Galaxy Pec VF,VS,PATCH,UB,NND,PAIR WITH IC2074,R=F MF,MS,OVAL,PATCH,UB,NND,HISB,R=F		F,S,*12NF
NGC 1593 Dec 26 2003 31" 17mmT4 Nov 20 2003 31" 17mmT4	Galaxy S0^: MB,ML,OVAL,FLNUC,SBM,MHISB CNTR,R=F PB,ML,OVAL,UB,NND,MHISB,R=G		VF
NGC 1615 Dec 26 2003 31" 17mmT4	Galaxy SA0-: MF,MS,EL,BSNUC,R=F		VF,VS,R,LBM,VS*INV
NGC 1633 Dec 26 2003 31" 17mmT4	H952-3 MF,PL,PATCH,UB,NND,CLOSE COMP=1634,R=G	Galaxy SAB(s)ab	EF,S,R,*8SP,P OFDNEB
NGC 1634 Dec 26 2003 31" 17mmT4	H953-3 MB,MS,BLNUC,SHISB,CLOSE COMP=1633,R=G	Galaxy E	EF,VS,F OF DNEB
NGC 1642 Dec 26 2003 31" 17mmT4	Galaxy SA(rs)c: MB,ML,R,FLNUC,FARMS DET,R=G		F,R,COMETARY,TRIW/2*
NGC 1647 Aug 21 1982 12.5" 24mm	H8-8 MB,EL,~20*S,FILLS 24MM,LOOSE,SC	Open Cluster II 2 r	CL,VL,ST L,SC
NGC 1746 Nov 13 2020 36" 55mm Mar 22 2004 12.5" 25mm Dec 25 1984 12.5" 48mm	Open Cluster III 2 p (III 2 m),EB,EEL,INTRACT=N1758,SHARE SAME *S,~40*S,BEST IN FINDER,(2:00am),R=PF VB,EL,FEW B*S LOOSELY SC,PAIRS=1750/1758,NOT WELL PLACED IN 25MM,R=F VB,EL,NO CL,PART OF 1758,L GRP OF *S,1758 TO E		CL,P
NGC 1750 Mar 22 2004 12.5" 25mm	H43-8 VB,EL,FEW B*S LOOSELY SC,NOT WELL PLACED,OTHER CL,S DET,R=F	Open Cluster III 2 p	CL,ST L,VCSC
NGC 1758 Nov 13 2020 36" 55mm Mar 22 2004 12.5" 25mm Dec 25 1984 12.5" 48mm	H21-7 (III 2 m),EB,EEL,INTRACT=N1746,SHARE SAME *S,~40*S,BEST IN FINDER,(2:01am),R=PF VB,EL,MORE *S THAN 1746/1750,NOT WELL PLACED,R=F VB,VL,*S DIFF MAG,SC,FITS NICE IN 48MM	Open Cluster III 2 p	CL,PC,ST L\$\$
NGC 1802 Jan 24 2004 31" 17mmT4	H41-8 MF,EL,~20*S SAME MAG,LOOSELY SC, 2 FOV'S,R=P	Open Cluster asterism?	CL,ST C SC
NGC 1807 Nov 13 2020 36" 17mmT4	Open Cluster II 2 p (III 2 p),EB,EL,~15*S,ALM FILLS FOV,MORE B*S THAN F*S,SPIDER SHAPE,(2:06am),R=F		CL,PRI,ST L\$\$

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NGC 1807		Open Cluster II 2 p	CL,PRI,ST L\$\$
Dec 25 1984 12.5"	48mm	MB,PL,~15 *S SAME MAG,V SC,S OF 1817	
NGC 1817		H4-7	Open Cluster IV 2 r
Dec 25 1984 12.5"	48mm	SAME	CL,L,RI,LC,ST11...14
Aug 21 1982 12.5"	24mm	MB,SL,3B*S IN W PART,WELL PLACED IN 24MM,~50*S,SC	
NGC 1952	M1	Brn Nebula E	VB,VL,E135,VGLBM,R
Mar 05 2021 36"	17mmT4	(Lb 1),SNR,VB,VL,OVAL,W/OIII,FINE FILAMENTS,STR,SEE OTHER DESCRIPTIONS,(8:44pm),R=E	
Mar 08 2013 36"	17mmT4	MESSIER MARATHON 2013	
Feb 05 2005 31"	31mmT5	EB,EL-OVAL,HISB,MANY F*S IN NEB,PATCHY AREAS DET,BEST EVER TO DATE,R=E	
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Dec 26 2003 31"	17mmT4	VB,EL-OVAL,SVRL *S IN OBJ,PATCH AREAS DET,BEST OBSERVATION TO DATE,M1,R=G	
Dec 25 1984 12.5"	12mm	SAME,VB,VL	
Mar 02 1984 10"	20mm	SAME	
Mar 27 1982 12.5"	12mm	EDGES START TO BREAK UP,HISB	
Mar 27 1982 12.5"	24mm	SNR,DIF,MB,ML,HISB,OVAL,MBM	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Oct 31 1980 12.5"	24mm		
Oct 29 1980 8"	24mm		
Sep 18 1980 12.5"	24mm		
Sep 10 1980 12.5"	24mm		
Sep 09 1980 12.5"	24mm		
Sep 07 1980 12.5"	24mm		
Aug 22 1980 12.5"	24mm		
NGC 1996		H42-8	Open Cluster cluster?
Nov 13 2020 36"	55mm	(IV 2 p),VB,EL,WIDELY DISP,~20*S SMWHT SIM MAG,(3:10am),R=P	CL,L,LC,LRI
NGC 2026		H28-8	Open Cluster cluster?
Jan 24 2004 31"	17mmT4	MF,EL,~30*S VARYING IN MAG,LOOSELY SC,R=P	CL,LRI,LC,ST PL
PGC 14304		Galaxy S?	
Nov 20 2003 31"	17mmT4	VDIF,VF,PS,OVAL,PATCH,UB,NND,PAIR=PGC14315,R=P	
PGC 14314		Galaxy (R)SB(s)a	
Nov 20 2003 31"	17mmT4	DIF,VF,MS,PATCH,UB,NND,S TRIANGLE OF *S IN GLXY,CLOSE TO NGC1497,R=P	
PGC 14315		Galaxy (R')SAB(s)a	
Nov 20 2003 31"	17mmT4	VDIF,VF,VS,OVAL,PATCH,UB,NND,PAIR=PGC14304,R=P	
PGC 14333		Galaxy SA(s)c	
Feb 21 2006 31"	17mmT4	DIF,VF,PS,OVAL,PATCH,UB,NND,F* IN EDGE,R=F	
PGC 14431		Galaxy SBab:	
Feb 21 2006 31"	17mmT4	VF,MS,EL-EDGE ON,PATCH,UB,NND,R=F	

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PGC 14451		Galaxy
Nov 20 2003 31"	17mmT4	VDIF,VF,MS,PATCH,UB,NND,PAIR=NGC1508,R=P
PGC 14687		Galaxy Sc
Dec 26 2003 31"	17mmT4	DIF,PF,ML,EL,PATCH,UB,NND,PAIR=PGC14688,R=F
PGC 14688		Galaxy Irr
Dec 26 2003 31"	17mmT4	DIF,PF,MS,OVAL,PATCH,UB,NND,PAIR=PGC14687,R=P
PGC 14892		Galaxy SB?
Oct 20 2006 31"	17mmT4	MF,ML,OVAL,PATCH,NND,SHISB,BET TRI OF *S,R=F
PGC 15491		Galaxy Dwarf Spiral
Dec 26 2003 31"	17mmT4	VDIF,VF,PS,PATCH,NND,R=P
PGC 15873		Galaxy S
Dec 26 2003 31"	17mmT4	DIF,PF,ML,OVAL,PATCH,UB,NND,R=F
PGC 16863		Galaxy S
Oct 25 2006 31"	17mmT4	EF,VS,EL,PATCH,SUSP,F* ON TOP OF GLXY,SOME F PATCH SUSP SURPAIRS=PGC'S,R=P
PGC 16866		Galaxy E
Oct 25 2006 31"	17mmT4	PF,PS,OVAL-R,FSNUC,PAIRS=PGC'S,R=F
PGC 16867		Galaxy E
Oct 25 2006 31"	17mmT4	PF,PS,OVAL-R,FSNUC,PAIRS=PGC'S,R=F
PGC 16871		Galaxy L
Oct 25 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,CLOSE TO F*,PAIRS=PGC'S,R=P
VDB 20		Brt Nebula R
Oct 18 2023 12.5"	17mmT4	(Lb 2),DIF,PF,EL,M45, L AREA OF NEB ARND Eelectron & THROT M45,BLUEISH,PATCHES OF NEB AM *S,OIII NO GOOD,(12:40am),R=FG
VDB 21		Brt Nebula R
Oct 18 2023 12.5"	17mmT4	(Lb 2),DIF,PF,EL,M45, L AREA OF NEB ARND Maia & THROT M45,BLUEISH,PATCHES OF NEB AM *S,OIII NO GOOD,(12:45am),R=FG
VDB 22		Brt Nebula R
Oct 18 2023 12.5"	17mmT4	(Lb 2),DIF,PF,EL,M45, L AREA OF NEB THROT M45,BLUEISH,PATCHES OF NEB AM *S,OIII NO GOOD,(12:55am),R=FG
VDB 23		Brt Nebula R
Oct 18 2023 12.5"	17mmT4	(Lb 2),DIF,PF,EL,M45, L AREA OF NEB THROT M45,BLUEISH,PATCHES OF NEB AM *S,OIII NO GOOD,(12:55am),R=FG
VDB 29		Brt Nebula R
Oct 18 2023 12.5"	17mmT4	(Lb 4),DIF,LOC GOOD,CANNOT DET ANY NEB ARND *,NO CHANGE IN BG SCANNING AREA,(2:20am),R=P

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CR	21		Open Cluster III 3 p
Dec 04 2004	31"	17mmT4	VB,EL,~15"S,WELL PLACED IN 17MM,LOOSELY SC,CLOSE TO IC1731,R=F
IC	131		Knot in Galaxy
Oct 25 2006	31"	17mmT4	PF,VS,PATCH,S B CNTR,R=F
IC	132		Knot in Galaxy
Oct 25 2006	31"	17mmT4	MF,PS,PATCH,S BM,PAIR=IC133,R=F
IC	133		Knot in Galaxy
Oct 25 2006	31"	17mmT4	MF,PS,PATCH,S BM,PAIR=IC132,R=F
IC	135		Knot in Galaxy
Oct 25 2006	31"	17mmT4	VDIF,VF,ML,PATCH,UB,KEEP B* OUT OF FOV,PATCHY,R=P
IC	136		Knot in Galaxy
Oct 25 2006	31"	17mmT4	DIF,PF,ML,PATCH,RECT IN SHAPE,2F*S IN PATCH,S PATCH TO NW,R=F
IC	142		Knot in Galaxy
Oct 25 2006	31"	17mmT4	PF,PS,EL,VF* IN PATCH,R=F
IC	143		Knot in Galaxy
Oct 25 2006	31"	17mmT4	PF,PS,PATCH,UB,NND,F PATCH OF KNOTS CLOSE BY TO SW (NOT 604),R=F
IC	171		Galaxy E?
Dec 04 2004	31"	17mmT4	PB,ML,R,BSNUC,MHISB,B* OFF EDGE,PAIR=PGC7167,R=G
IC	187		Galaxy SBa
Oct 25 2006	31"	17mmT4	MF,MS,EL,BLNUC,INTRACT=MAC,PAIR=PGC7706,BM,S HISB CNTR,R=F
IC	200		Galaxy
Oct 25 2006	31"	17mmT4	DIF,VF,MS,OVAL,PATCH,UB,NND,R=P
IC	221		Galaxy Sc
Dec 19 2006	31"	17mmT4	MF,VL,OVAL-R,PATCHY AREAS,SHISB,R=G
IC	226		Galaxy S?
Dec 19 2006	31"	17mmT4	MV,ML,OVAL,PATCH,NND,SVRL F*S IN GLXY,PAIRS=IC227/MAC'S,R=F
IC	227		Galaxy E
Dec 19 2006	31"	17mmT4	MB,PL,OVAL,BLNUC,PATCHY,SHISB CNTR,PAIRS=IC226/MAC'S,R=G
IC	1718		Galaxy Compact
Dec 04 2004	31"	17mmT4	MF,PS,PATCH,UB,NND,F* IN EDGE OF GLXY,R=F
IC	1727		Galaxy SB(s)m
Dec 04 2004	31"	17mmT4	DIF,MB,EL,EL,PATCH,NND,F* IN OUTER EDGE,PATCHY,VL AREA OF NEB,PAIR=672,R=E

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IC 1731		Galaxy SAB(s)c:
Dec 04 2004 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,F* OFF EDGE,PAIRS=PGC6739/MAC
IC 1733		Galaxy E:
Dec 04 2004 31"	17mmT4	MF,MS,R,FLNUC,GBM,MANY OTHERS PRESENT,R=F
IC 1735		Galaxy SB
Dec 04 2004 31"	17mmT4	PF,PS,R,FSNUC,IC1733 GRP,R=F
IC 1752		Galaxy C
Dec 04 2004 31"	17mmT4	PF,VS,R,FSNUC,PAIR=IC1753,R=F
IC 1753		Galaxy E?
Dec 04 2004 31"	17mmT4	MF,PS,R,FLNUC,SHISB,PAIR=IC1752,R=F
IC 1766		Galaxy SB
Oct 25 2006 31"	17mmT4	EF,VS,PATCH,NND,CLOSE TO F*,R=P
IC 1784		Galaxy SA(rs)bc pec:
Dec 19 2006 31"	17mmT4	PB,VL,OVAL,PATCH,UB,NND,SHISB,VF*S BET THE TWO,PAIR=IC1785,R=G
IC 1785		Galaxy E
Dec 19 2006 31"	17mmT4	MB,MS,OVAL,BLNUC,MHISB CNTR,V*S BET THE TWO,PAIR=IC1784,R=F
IC 1789		Galaxy Sa:
Dec 19 2006 31"	17mmT4	MB,ML,EL-EDGE ON,FLNUC,CNTR BULGE,TAPERED ENDS,MHISB CNTR,R=G
IC 1792		Galaxy Compact
Dec 19 2006 31"	17mmT4	PB,VL,OVAL-R,BLNUC,NICE FOV,PAIRS=PGC8842/MAC,R=G
IC 1793		Galaxy Sab
Dec 19 2006 31"	17mmT4	MB,ML,BLNUC,SHISB CNTR,HAZY OBJ,F HALO,R=F
IC 1815		Galaxy SB0
Dec 12 2012 36"	17mmT4	VB,ML,R,BLNUC,HISB CNTR,PAIR=NGC973,R=G
Dec 19 2006 31"	17mmT4	EB,PL,R,BLNUC,HISB CNTR,GMBM,PAIRS=973/MAC,R=G
IC 1823		Galaxy SB(r)c
Oct 25 2006 31"	17mmT4	DIF,VF,PL,OVAL,UB,L PATCHY AREA,R=F
MAC 0135+3104		Galaxy
Sep 11 2004 31"	17mmT4	DIF,VF,VS,PATCH,UB,NND,PAIR=PGC5899
MAC 0139+3507		Galaxy
Dec 04 2004 31"	17mmT4	EF,VS,PATCH,NND,PAIR=PGC6138,R=P
MAC 0147+2717		Galaxy

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MAC 0147+2717		Galaxy
Dec 04 2004 31"	17mmT4	DIF,VF,VS,PATCH,UB,NND,PAIRS=IC1727/NGC672,R=P
MAC 0147+3523		Galaxy
Dec 04 2004 31"	17mmT4	PF,VS,PATCH,UB,NND,PAIR=MAC,R=P
MAC 0147+3524		Galaxy
Dec 04 2004 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=MAC,R=P
MAC 0149+3237		Galaxy
Dec 12 2012 36"	17mmT4	VF,VS,PATCH,NND,OFF TIP OF PGC6699,R=P
MAC 0150+2708		Galaxy
Dec 04 2004 31"	17mmT4	EF,ES,PATCH,UB,VF* OFF ONE EDGE,AV HOLDS,PAIRS=IC1731/PGC6739,R=P
MAC 0150+3300		Galaxy
Dec 04 2004 31"	17mmT4	VF,VS,VFSNUC,IC1733 GRP,R=P
MAC 0150+3301		Galaxy
Dec 04 2004 31"	17mmT4	VF,PS,UB,VFSNUC,NND,IC1733 GRP,R=F
MAC 0150+3302A		Galaxy
Dec 04 2004 31"	17mmT4	VF,PS,UB,VFSNUC,NND,IC1733 GRP,R=F
MAC 0150+3304		Galaxy
Dec 04 2004 31"	17mmT4	VF,VS,UB,NND,IC1733 GRP,R=P
MAC 0150+3307		Galaxy
Dec 04 2004 31"	17mmT4	EF,VS,PATCH,UB,NND,2F*S IN GLXY,F GLOW DET,IC1733 GRP,R=P
MAC 0150+3309A		Galaxy
Dec 04 2004 31"	17mmT4	EF,VS,PATCH,UB,NND,V* OFF ONE SIDE,COMP=MAC,IC1733 GRP,R=P
MAC 0150+3309B		Galaxy
Dec 04 2004 31"	17mmT4	EF,VS,PATCH,UB,NND,VF* IN GLXY,COMP=MAC,IC1733 GRP,R=P
MAC 0150+3309C		Galaxy
Dec 04 2004 31"	17mmT4	VF,VS,PATCH,UB,NND,IC1733 GRP,R=F
MAC 0150+3309D		Galaxy
Dec 04 2004 31"	17mmT4	DIF,EF,VS,PATCH,AV,IC1733 GRP,R=P
MAC 0150+3310		Galaxy
Dec 04 2004 31"	17mmT4	VDIF,EF,ES,SUSP,IC1733 GRP,LOC GOOD,R=P
MAC 0150+3313		Galaxy
Dec 04 2004 31"	17mmT4	VF,VS,PATCH,UB,NND,IC1733 GRP,R=P

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MAC 0151+3301		Galaxy
Dec 04 2004 31"	17mmT4	EF,VS,PATCH,UB,NND,AV,PAIR=PGC6856,R=P
MAC 0157+3324		Galaxy
Oct 25 2006 31"	17mmT4	EF,VS,PATCH,NND,VF* ON EDGE,PAIR=761,R=P
MAC 0159+3053		Galaxy
Oct 25 2006 31"	17mmT4	PF,VS,PATCH,VFSNUC,PAIR=769,R=P
MAC 0201+2629		Galaxy
Oct 25 2006 31"	17mmT4	VF,MS,EL,PATCH,UB,NND,INTRACT=IC187,PAIR=PGC7796,R=P
MAC 0201+2852		Galaxy
Oct 25 2006 31"	17mmT4	EF,VS,PATCH,AV,PAIRS=PGC7678/784,R=P
MAC 0201+3154		Galaxy
Oct 25 2006 31"	17mmT4	EF,VS,PATCH,AV,PAIRS=783/PGC7666,R=P
MAC 0208+2917		Galaxy
Oct 25 2006 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,PAIR=819,R=P
MAC 0209+3043		Galaxy
Oct 25 2006 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIRS=826/MAC,R=P
MAC 0209+3044		Galaxy
Oct 25 2006 31"	17mmT4	VF,VS,OVAL,APPEARS AS A BUMP ON 826,INTRACT = 826,PAIR=MAC,R=P
MAC 0214+3047		Galaxy
Dec 19 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=860/PGC'S,R=F
MAC 0214+3051A		Galaxy
Dec 19 2006 31"	17mmT4	VF,VS,PATCH,UB,CLOSE PAIR=MAC,BARELY SEP THE TWO,R=F
MAC 0214+3051B		Galaxy
Dec 19 2006 31"	17mmT4	VF,VS,PATCH,UB,CLOSE PAIR=MAC,BARELY SEP THE TWO,R=P
MAC 0215+3041		Galaxy
Dec 19 2006 31"	17mmT4	VDIF,EF,VS,PATCH,AV,R=P
MAC 0216+2837		Galaxy
Dec 19 2006 31"	17mmT4	VF,MS,PATCH,UB,NND,PAIR=865,R=P
MAC 0217+3220		Galaxy
Dec 19 2006 31"	17mmT4	EF,ES,*,AV,PAIR=IC1789,R=P
MAC 0219+3424		Galaxy
Dec 19 2006 31"	17mmT4	VF,PS,PATCH,UB,PAIRS=IC1792/PGC8842,R=P

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MAC 0219+3433		Galaxy	
Dec 19 2006 31"	17mmT4	PF,MS,PATCH,UB,NND,R=F	
MAC 0219+3437		Galaxy	
Dec 19 2006 31"	17mmT4	PF,MS,PATCH,UB,NND,R=F	
MAC 0227+2813B		Galaxy	
Dec 19 2006 31"	17mmT4	VF,VS,PATCH,PAIRS=IC226/IC227/MAC'S,R=P	
MAC 0227+2814A		Galaxy	
Dec 19 2006 31"	17mmT4	VF,VS,PATCH,PAIRS=IC226/IC227/MAC'S,R=P	
MAC 0227+2814B		Galaxy	
Dec 19 2006 31"	17mmT4	EF,VS,PATCH,AV,PAIRS=IC226/IC227/MAC'S,R=P	
MAC 0228+3118		Galaxy	
Dec 19 2006 31"	17mmT4	VF,VS,PATCH,JUST TO SIDE OF 931 NUC,R=P	
MAC 0234+3224		Galaxy	
Dec 19 2006 31"	17mmT4	EF,VS,PATCH,AV,PAIRS=973/IC1815,R=P	
MAC 0234+3247		Galaxy	
Dec 19 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,R=P	
MAC 0234+3253		Galaxy	
Dec 19 2006 31"	17mmT4	VF,PS,PATCH,UB,NND,PAIR=MAC,R=P	
MAC 0234+3254		Galaxy	
Dec 19 2006 31"	17mmT4	EF,VS,PATCH,AV,PAIR=MAC,R=P	
NGC 579		Galaxy Scd:	VF,PL,GBM
Sep 14 2012 36"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,SHISB,R=F	
Aug 25 1982 12.5"	16mm	VDIF,MF,ML,UB,NND,FOUND FIRST IN 24MM	
NGC 582		Galaxy SB?	VF,PL,PME,*12P
Sep 14 2012 36"	17mmT4	MF,MS,EL-EDGE ON,UB,NND,SHISB,R=F	
Dec 04 2004 31"	17mmT4	PB,ML,EL,VFNUC,CENRAL BULGE,SHISB,R=G	
NGC 587		Galaxy SAB(s)b	VVF,S,(S CL)
Dec 20 2003 31"	17mmT4	PF,MS,EL,FSNUC,SOFT NUC AREA,R=F	
NGC 588		Knot in Galaxy	F,P OF 2
Oct 25 2006 31"	17mmT4	MF,MS,PATCH,PATCHY NEB IN M33,PATCHY AREA DET,R=F	
Aug 10 2002 12.5"	9mmT6	DIF,PF,MS,B NEB IN M33,PATCH,UB	
NGC 592		Knot in Galaxy	F,PL,F OF 2
Oct 25 2006 31"	17mmT4	MF,MS,B CNTR,F* OFF ONE SIDE,SHISB,R=G	

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NGC 592		Knot in Galaxy	F,PL,F OF 2	
Sep 11 2004 31"	17mmT4	DIF,VF,PS,PATCH,UB,KNOT IN M33,R=F		
Aug 10 2002 12.5"	9mmT6	DIF,PF,MS,B NEB IN M33,OVAL,PATCH,UB		
NGC 595		Knot in Galaxy	VF,S,R,INV IN M33	
Aug 10 2002 12.5"	9mmT6	VDIF,VF,PS,OVAL-PATCH,NND,B NEB IN M33		
NGC 598	M33	H17-5	Galaxy SA(s)cd	EB,EL,R,VGBMN;=M33
Sep 22 2022 12.5"	12mmT4	VB,EL,OVAL,VLNUC,SPR STR,DUST,H2,ARMA,B RGNS,SHISB MID,MHISB H2 ARMS,BEST 12.5" VIEW TODATE,FILLS FOV,R=E		
Sep 14 2012 36"	17mmT4	EB,EEL,BNUC,SVRL FOV'S,KNOTS,SPR STR,H2 RGN,DUST,ARMS,TONS OF DETAIL,R=E		
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984 10"	20mm	SAME		
Sep 23 1981 12.5"	16mm	MB,EL,BARMS,SPR STR DET,H2 RGN DET,2-3 MAJOR ARMS SEEN		
Sep 20 1981 12.5"	24mm			
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
Oct 31 1980 12.5"	24mm			
Sep 18 1980 12.5"	24mm			
Sep 10 1980 12.5"	32mm	GREAT!!,SVRL ARMS,STR SEEN		
Sep 07 1980 12.5"	24mm			
Sep 03 1980 12.5"	24mm			
Aug 22 1980 12.5"	24mm			
Aug 19 1980 12.5"	32mm			
Jul 24 1980 12.5"	32mm	BEST I'VE EVER SEEN,GREAT!!!		
Jul 15 1980 12.5"	24mm	EF,EL,LOOKS LIKE DIF NEB,NO SPR STR DET		
NGC 604		H150-3	Knot in Galaxy	B,VS,R,VVLBM
Aug 10 2002 12.5"	25mm	VP,PL,B NEB IN M33,CLOSE TO F*		
Aug 10 2002 12.5"	9mmT6	EB,VL,HISB,PATCH,UB		
NGC 608			Galaxy S?	VF,PSBM,STELLAR
Dec 04 2004 31"	17mmT4	PB,MS,R,BSNUC,BM,PAIR=614,R=G		
NGC 614		H174-3	Galaxy S0?	PF,PSBM,STELLAR
Dec 04 2004 31"	17mmT4	PB,MS,BSNUC,BM,PAIR=608,R=G		
NGC 621			Galaxy SB0	VF,ES,R,BMN
Dec 04 2004 31"	17mmT4	MF,ML,FSNUC,2F*S TGT ON ONE EDGE,R=G		
NGC 634			Galaxy Sa	EF,ES,SEVF*INV
Dec 04 2004 31"	17mmT4	PB,ML,EL TO EDGE ON,MHISB,PATCHY LNUC AREA,R=G		
NGC 661		H610-2	Galaxy E+:	F,S,R,BM,R
Dec 04 2004 31"	17mmT4	MF,MS,R,BLNUC,MHISB,R=G		
NGC 666			Galaxy S?	VF*IN EF,ES NEBY
Dec 04 2004 31"	17mmT4	PB,MS,R,BLNUC,SHISB,R=G		

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NGC 669		Galaxy Sab	PF,PL,ME,GBM
Dec 04 2004 31"	17mmT4	VB,VL,EDGE ON,FLNUC,* OFF ONE TIP,SHISB,R=E	
NGC 670		H611-2 Galaxy SA0	F,S,LE
Sep 14 2012 36"	17mmT4	MB,ML,EL,BLNUC,MHISB,CIGAR SHAPE,R=FG	
Aug 25 1982 12.5"	16mm	SEEN AS AN E4 GLXYAXY,SBM,DIM,NEC SUSP	
Sep 23 1981 12.5"	16mm	DIF,MF,PS,FARMS,NO *S,NND,OBLONG,PAIR/672	
Sep 18 1980 12.5"	24mm		
NGC 672		H157-1 Galaxy SB(s)cd	F,PL,ME80
Dec 04 2004 31"	17mmT4	PB,EL,EDGE ON,SHISB,VF* OFF NUC,B BAR TRHOUGHTOUT,DUST & PATCH AREAS DET,R=E	
Aug 25 1982 12.5"	16mm	SAME	
Sep 23 1981 12.5"	16mm	DIF,MB,MS,DARM,2*S OPPOSITE SIDE,UB,NND,PAIR/670	
Sep 18 1980 12.5"	24mm		
Sep 10 1980 12.5"	24mm		
Sep 07 1980 12.5"	24mm		
Aug 22 1980 12.5"	24mm		
Jul 24 1980 12.5"	32mm	EL,GREAT!!	
NGC 684		H612-2 Galaxy Sb sp	F,VLE,*13F100"
Dec 04 2004 31"	17mmT4	MB,ML,EDGE ON,BNUC,CNTR BULGE,DUST SUSP,TAPERED ENDS,SHISB CNTR,R=E	
NGC 688		Galaxy (R')SAB(rs)b	VF,VS,(RESOLVABLE)
Dec 04 2004 31"	17mmT4	MB,PL,EL,FLNUC,SOFT LNUC,CNTR BULGING,PAIR=PGC6780,R=G	
NGC 733		Galaxy	VF,2'P736
Dec 04 2004 31"	17mmT4	VF,PS,R,UB,NND,PAIRS=736/738/740,R=P	
NGC 735		H176-3 Galaxy Sb	EEF,STELLAR
Dec 04 2004 31"	17mmT4	PB,MS,OVAL,PATCH,UB,* ON EDGE,SHISB,PAIR=PGC7293,R=G	
NGC 736		H221-2 Galaxy E+:	PB,R,BM
Dec 04 2004 31"	17mmT4	PB,MS,BLNUC,* OFF ONE SIDE,HISB CNTR,PAIRS=733/738/740,R=G	
Aug 25 1982 12.5"	16mm	DIF,MF,MS,F*S N EDGE (2 OR 3),CLOSE PAIR/750	
NGC 738		Galaxy S0	NEB,75"NF 736
Dec 04 2004 31"	17mmT4	PF,ES,ALM *,BM,PAIRS=733/736/740,R=P	
NGC 739		Galaxy S0?	CF,VS,R,INTRI OF*
Dec 04 2004 31"	17mmT4	PF,VS,R,FLNUC,R=F	
NGC 740		H221-2 Galaxy SBb?	F,L,CE
Dec 04 2004 31"	17mmT4	PF,MS,EL,UB,NND,CIGAR SHAPE,PAIRS=733/736/738,R=F	
NGC 750		H222-2 Galaxy E pec	CB,PL,R,DW/751,25"
Dec 04 2004 31"	17mmT4	PB,ML,R,BNUC,HISB,COMP OR INTRACT WITH 751,R=G	
Aug 25 1982 12.5"	16mm	PAIR/736	

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NGC 750		H222-2	Galaxy E pec	CB,PL,R,DW/751,25"
Sep 23 1981 12.5"	16mm		DIF,PF,PS,EL,SIM TO 670,FNUC SUSP,NO *S	
Oct 31 1980 12.5"	24mm		PAIR/777	
Sep 18 1980 12.5"	24mm			
NGC 751			Galaxy E pec	PF,ES,R,BM,DW/750
Dec 04 2004 31"	17mmT4		PB,ML,R,BNUC,HISB,GMBM,COMP OR INTRACT WITH 750,R=G	
NGC 761			Galaxy SBa:	PF,CL,4F* NR
Oct 25 2006 31"	17mmT4		MF,ML,EL,FLNUC,SHISB,SBM,PATCHY,PAIR=MAC,R=G	
NGC 769			Galaxy S?	VF,VS,IR,BM,F*ATT
Oct 25 2006 31"	17mmT4		MF,ML,OVAL,UB,NND,MHISB,PAIR=MAC,R=G	
NGC 777		H223-2	Galaxy E1	PB,PL,R,GLBM
Oct 22 1982 12.5"	16mm		SEEMS LIKE AN E2 GLXY,MB,MS,HISB TOWARDS MID,PAIR/778	
Aug 25 1982 12.5"	16mm		SAME	
Sep 23 1981 12.5"	16mm		DIF,R,SBM,DIF HALO	
Oct 31 1980 12.5"	24mm		PAIR/750	
NGC 778			Galaxy S0:	EF,VS,R,LBM
Dec 03 2004 31"	17mmT4		MF,MS,PATCH,VFNUC,* OR * IN NUC,R=F	
Oct 22 1982 12.5"	16mm		EFIF,EF,ES,STREIGHT S OF 777,BET GRP OF *S,NND,UB-PATCH	
NGC 780		H583-3	Galaxy Sb	VF,VS,E,3*P
Oct 25 2006 31"	17mmT4		MB,MS,OVAL,BLNUC,F* IN EDGE,MHISB CNTR,R=G	
NGC 783			Galaxy Sc	EF,S,IR,VF ST ATT
Oct 25 2006 31"	17mmT4		PB,ML,OVAL,FLNUC,FARMS DET,F* IN EDGE,PAIR=MAC/PGC7666,R=G	
NGC 784			Galaxy SBdm: sp	VF,L,E,(DOUBLE)
Oct 25 2006 31"	17mmT4		MB,VL,EDGE ON,PATCHY AREAS DET,BPARTS,DET,PAIR=PGC7678/MAC,R=G	
NGC 785			Galaxy S0-:	EF,ES,VF*ATT
Oct 25 2006 31"	17mmT4		MB,MS,OVAL,BLNUC,HISB CNTR,GMBM,R=G	
NGC 789			Galaxy S?	VF,S,LE
Oct 25 2006 31"	17mmT4		MB,MS,OVAL,PATCH,UB,NND,SHISB,R=G	
NGC 798			Galaxy E	EF,VS
Oct 25 2006 31"	17mmT4		MB,MS,EL,BLNUC,MHISB CNTR,R=G	
NGC 804			Galaxy S0	EEF,VS,R,LBM
Oct 25 2006 31"	17mmT4		MB,PS,EL,BSNUC,MHISB CNTR,GBM,R=F	
NGC 805			Galaxy SB0	EF,ES,R,2*14P
Oct 25 2006 31"	17mmT4		MB,PS,EL,BSNUC,MHISB CNTR,SBM,R=F	

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NGC 807		H151-3	Galaxy E	VF,VS,IR,BET2*N\$SP
Oct 25 2006	31"	17mmT4	PB,MS,R,BLNUC,MHISB CNTR,GMBM,R=G	
NGC 816			Galaxy Compact	VF,VS,IF
Oct 25 2006	31"	17mmT4	MF,PS,OVAL,PATCH,UB,NND,SHISB,VF* IN EDGE,R=F	
NGC 819			Galaxy S?	PF,VS,R,*13N
Oct 25 2006	31"	17mmT4	MB,MS,OVAL,UB,NND,MHISB,PAIR=MAC,R=G	
NGC 826			Galaxy	EF,S,R,LBM
Oct 25 2006	31"	17mmT4	PF,MS,OVAL,VFSNUC,INTRACT PAIR,PAIRS=MAC'S,R=F	
NGC 855		H613-2	Galaxy E	F,S,LE90,BM
Oct 22 1982	12.5"	16mm	DIF,MF,PS,PATCH,F*S SIDE,UB,NND,12MM SLT EL,SBM	
NGC 860			Galaxy E	*13IN F NEB
Dec 19 2006	31"	17mmT4	MF,MS,R,BSNUC,PAIRS=PGC'S/MAC,R=F	
NGC 861			Galaxy Sb	VF,S,D*ATT SP
Dec 19 2006	31"	17mmT4	MB,MS,EL,FLNUC,F* IN EDGE,TAPERED ENDS,SHISB CNTR,R=G	
NGC 865			Galaxy S?	EF,ES,IR
Dec 19 2006	31"	17mmT4	PB,ML,EL-EDGE ON,FLNUC,L CNTR RGN,MHISB CNTR,TAPERED ENDS,R=G	
NGC 890		H225-2	Galaxy SAB(r)0-?	B,S,R,BM,3F*SP
Aug 25 1982	12.5"	16mm	APPEARS AS E2 GLXYAXY,MHISB TOWARDS CNTR	
Sep 23 1981	12.5"	16mm	MF,PS,F*W SIDE,SBM,R	
Sep 18 1980	12.5"	24mm		
NGC 925		H177-3	Galaxy SAB(s)d	CF,CL,E,VGBM,2*13NP
Aug 25 1982	12.5"	16mm	SAME,2F*S N, 1F* IN S PART	
Sep 23 1981	12.5"	16mm	BAR SEEN,2F*S N&S,DIF,MF,PL,KNTY STR SUSP,R,SLT BTR WHERE BAR IS	
Sep 18 1980	12.5"	24mm		
Sep 10 1980	12.5"	24mm	B*S IN GLXY	
Aug 22 1980	12.5"	24mm		
Jul 24 1980	12.5"	24mm	EDIF,EF	
NGC 931			Galaxy SAbc	F,PL,IR
Dec 19 2006	31"	17mmT4	MB,ML,EL-EDGE ON,BLNUC,BM,CNTR BULGE,PAIR=MAC,R=G	
NGC 940			Galaxy S0:	F,S,R,BM
Oct 23 1982	12.5"	16mm	MF,MS,BNUC,GMB,R	
NGC 949		H154-1	Galaxy SA(rs)b:?	CB,L,E,VGBM
Aug 25 1982	12.5"	16mm	F*W,FTR*S 1 GLXY DIA THAT COMES AND GOES	
Sep 23 1981	12.5"	16mm	DIF,MF,PS,EL,F* OFF TO W 1 GLXY DIA	
Sep 18 1980	12.5"	24mm		

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NGC 953		Galaxy E	PF,S,R,MBM
Oct 23 1982	12.5" 16mm	VDIF,VF,PS,R,PATCH,F*1 GLXY DIA AWAY	
NGC 959		Galaxy Sdm:	EF,PL,LE,LBM
Aug 25 1982	12.5" 16mm	DIF,MF,ML,24MM PATCH,MHISB,NND,UB,BEST IN 24MM	
NGC 968		Galaxy E	PF,PS,R,BM
Dec 19 2006	31" 17mmT4	VB,VL,OVAL-R,BLNUC,MHISB,GMBM,PAIR=PGC9789,R=E	
NGC 969		Galaxy S0	S,R,PSBM,1ST OF 5
Dec 19 2006	31" 17mmT4	PB,PL,OVAL-R,BLNUC,GMBM,PAIRS=974/970/971,R=G	
NGC 970		Galaxy S	VF,VS,R,2ND OF 5
Dec 19 2006	31" 17mmT4	MF,MS,EL,BSNUC,INTRACT=971,PAIRS=974/969,R=F	
NGC 971		Galaxy	VF,VS,R,3RD OF 5
Dec 19 2006	31" 17mmT4	VF,VS,OVAL,PATCH,UB,INTRACT=970,APPEARS AS BUMP ON 970,PAIRS=969/974,R=P	
NGC 973		Galaxy Sb	EEF,S,ME,PB*NR SP
Dec 12 2012	36" 17mmT4	PB,PL,UB,NND,PA~45,ENDS CUT OFF,NOT TAPERED,SMWHT CNTR BULGE,PAIR=IC1815,R=G	
Nov 17 2012	36" 17mmT4	MB,ML,EDGE ON,UB,NND,PAIR=IC1815,SLT CNTR BULGE,*OFF TIP,PA~45,R=FG	
Dec 19 2006	31" 17mmT4	PB,VL,EDGE ON,UB,NND,VF* OUTSIDE NUC,CNTR BULGE,TAPERED ENDS,PAIR=IC1815,R=E	
NGC 974		Galaxy SAB(rs)b:	VF,R,BM,4TH OF 5
Dec 19 2006	31" 17mmT4	MB,PL,OVAL-R,FLNUC,GMBM,PAIRS=969/907/971,R=G	
NGC 978		Galaxy S0-	PB,R,5TH OF 5
Dec 19 2006	31" 17mmT4	VB,VL,R,BLNUC,HISB,INTRACT=978B,R=E	
Oct 30 2005	31" 17mmT4	PB,PL,R,BLNUC,MHISB CNTR,CLOSE COMP=978B,R=G	
NGC 978B		Galaxy S0	
Dec 19 2006	31" 17mmT4	MB,PS,OVAL,VFSNUC,INTRACT=978,R=F	
Oct 30 2005	31" 17mmT4	VF,VS,JUST BARELY SEP THE TWO,CLOSE COMP=978A,R=F	
NGC 987		H161-3 Galaxy SB0/a	F,S,VLE,BM,R,2*14 NP
Dec 19 2006	31" 17mmT4	VB,ML,OVAL-R,BLNUC,F* OFF SIDE,R=G	
NGC 1002		Galaxy SB(r)b:	VF,VS,IR,BMN
Aug 17 1982	12.5" 16mm	VDIF,VF,VS,F* NE 1 GLXY DIA,NND,UB,OVAL-PATCHY	
NGC 1057		Galaxy S0	VF,DOUBLE
Aug 10 2002	12.5" 9mmT6	EFID,VF,PS,UB,OVAL PATCH,COMES & GOES WITH AV,COMP,3 OF 3	
NGC 1060		H162-3 Galaxy S0-:	F,PL,R,LBM,*F46S,3'S
Aug 10 2002	12.5" 9mmT6	MF,ML,PATCHY,OVAL,VF* ON EDGE OF GLXY,SBM,COMP,1 OF 3	
NGC 1061		Galaxy I?	VF,S,R,BM

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NGC 1061		Galaxy I?	VF,S,R,BM
Aug 10 2002 12.5"	9mmT6	VDIF,VF,MS,OVAL PATCH,UB,COMP,2 OF 3	
NGC 1062		Galaxy Sd	EEF
Aug 10 2002 12.5"	9mmT6	EEDIF,EEF,VS,SUSPECT ONLY,CLOSE COMP,3 OF 3	
NGC 1066		H163-3 Galaxy E:	VF,PL,R,LBM,S OF 2
Aug 10 2002 12.5"	9mmT6	PF,ML,BNUC,R,GBM,CLOSE COMP,1 OF 3	
NGC 1067		Galaxy SAB(s)c	EF,S,N OF 2
Aug 10 2002 12.5"	9mmT6	DIF,EF,PS,UB,PATCH,CLOSE COMP,2 OF 3	
NGC 1093		Galaxy SABab?	EF,VS
Aug 17 1982 12.5"	16mm	EEDIF,EF,VS,3F*S TO N SVRL GLXY DIA,*NUC SUSP	
PGC 5714		Galaxy C	
Oct 20 2006 31"	17mmT4	VF,ES,R,PATCH,UB,PAIR=PGC5715,R=P	
PGC 5715		Galaxy S?	
Oct 20 2006 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,PAIR=PGC5714,R=P	
PGC 5873		Galaxy S	
Dec 04 2004 31"	17mmT4	PF,ML,PATCH,UB,NND,PAIR=PGC5883,R=F	
PGC 5883		Galaxy	
Dec 04 2004 31"	17mmT4	DIF,VF,MS,PATCH,UB,NND,PAIR=PGC5873,R=F	
PGC 5899		Galaxy	
Sep 11 2004 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIR=MAC,R=F	
PGC 6073		Galaxy	
Dec 04 2004 31"	17mmT4	EF,VS,PATCH,UB,NND,R=P	
PGC 6077		Galaxy S0	
Dec 04 2004 31"	17mmT4	MF,MS,EDGE ON,BSNUC,TAPERED ENDS,R=F	
PGC 6138		Galaxy S?	
Dec 04 2004 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,PAIR=MAC,R=P	
PGC 6189		Galaxy Scd:	
Dec 12 2012 36"	17mmT4	VF,MS,EDGE ON,UB,NND,PA~60,* ON TIP,* CLOSE TO NUC,R=P	
PGC 6612		Galaxy Double System	
Dec 04 2004 31"	17mmT4	VF,VS,UB,NND,F* IN CNTER,F GLOW DET SUR *,R=P	
PGC 6699		Galaxy Sdm	
Dec 12 2012 36"	17mmT4	MF,PL,EDGE ON,UB,NND,PA~45,SLT CENRAL BULGE,PAIRS=PGC/MAC,R=G	

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PGC 6700		Galaxy C
Dec 12 2012 36"	17mmT4	MB,VS,OVAL-R,BLNUC,JUST OFF NUC OF PGC6699,R=F
PGC 6739		Galaxy S
Dec 04 2004 31"	17mmT4	DIF,EF,VS,PATCH,NND,PAIRS=IC1731/MAC,AV,R=P
PGC 6780		Galaxy Dwarf
Dec 04 2004 31"	17mmT4	NO FIND,LOC GOOD,PAIR=688
PGC 6829		Galaxy C
Dec 04 2004 31"	17mmT4	VF,VS,PATCH,UB,NND,VF* OFF EDGE,IC1733 GRP,R=P
PGC 6850		Galaxy C
Dec 04 2004 31"	17mmT4	VF,VS,UB,NND,PAIR=PGC6870,R=P
PGC 6856		Galaxy E:
Dec 04 2004 31"	17mmT4	MF,MS,FLNUC,PAIR=MAC,R=F
PGC 6870		Galaxy S
Dec 04 2004 31"	17mmT4	MF,MS,OVAL,FSNUC,PAIR=PGC6850,R=F
PGC 7125		Galaxy Spiral
Dec 04 2004 31"	17mmT4	MF,MS,PATCH,NND,BEST OF THE TWO,PATCHY AREAS,PAIR=PGC7145,R=F
PGC 7145		Galaxy
Dec 04 2004 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIR=PGC7125,R=F
PGC 7167		Galaxy S
Dec 04 2004 31"	17mmT4	DIF,EF,MS,PATCH,UB,VF* ON EDGE,PAIR=IC171,R=P
PGC 7293		Galaxy
Dec 04 2004 31"	17mmT4	VF,VS,PATCH,NND,PAIR=NGC735,R=P
PGC 7666		Galaxy Sab
Oct 25 2006 31"	17mmT4	PF,PS,EL,PATCH,UB,NND,PAIRS=783/MAC,R=P
PGC 7678		Galaxy C
Oct 25 2006 31"	17mmT4	MF,MS,OVAL,FLNUC,PAIR=784/MAC,R=F
PGC 7706		Galaxy S?
Oct 25 2006 31"	17mmT4	MF,MS,EL,UB,NND,MHISB,PAIRS=IC187/MAC,R=F
PGC 7888		Galaxy
Oct 25 2006 31"	17mmT4	MF,MS,OVAL,FSNUC,KEEP B* OUT OF FOV,F* OFF EDGE,R=F
PGC 7981		Galaxy SB
Oct 25 2006 31"	17mmT4	VDIF,EF,MS,OVAL,PATCH,UB,NND,AV,R=P

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PGC 8608		Galaxy C
Dec 19 2006 31"	17mmT4	PF,PS,OVAL,BSNUC,PAIRS=860/PGC8613/MAC,R=F
PGC 8609		Galaxy SAB(s)cd
Dec 19 2006 31"	17mmT4	VF,MS,OVAL,PATCH,UB,NND,PAIRPGC8623,R=P
PGC 8613		Galaxy C
Dec 19 2006 31"	17mmT4	PF,PS,OVAL,FSNUC,PAIRS=860/PGC8608/MAC,R=F
PGC 8623		Galaxy SB
Dec 19 2006 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,PAIR=PGC8609,R=P
PGC 8763		Galaxy
Dec 19 2006 31"	17mmT4	EF,VS,PATCH,COMES AND GO,AV,PAIRS=IC1789/MAC,R=P
PGC 8842		Galaxy
Dec 19 2006 31"	17mmT4	VF,PS,PATCH,UB,PAIRS=IC1792/MAC,R=P
PGC 8857		Galaxy C
Dec 19 2006 31"	17mmT4	MF,VS,PATCH,UB,*NUC,2F*S OFF EDGE,R=F
PGC 9134		Galaxy Sd
Dec 12 2012 36"	17mmT4	VF,VS,EDGE ON,PATCH,UB,PA~125,* OFF ONE TIP,* OFF OTHER SIDE,THIN SLIVER COMING OFF *,R=P
Nov 17 2012 36"	17mmT4	EF,PS,PATCH,UB,BET 2*S,PA~100,R=P
PGC 9375		Galaxy Scd:
Dec 12 2012 36"	17mmT4	EF,VS,EDGE ON,UB,NND,KEEP B* OUT OF FOV,* IN TIP,AV COMES AND GOES,R=P
Nov 17 2012 36"	17mmT4	VF,PS,EDGE ON,UB,KEEP B* OUT OF FOV,PA~0,NO CNTR BULGE,THIN SLIVER,R=P
PGC 9789		Galaxy
Dec 19 2006 31"	17mmT4	VF,VS,PATCH,B* IN GLXY,VF PATCH ALONG SIDE OF *,PAIR=968,R=P
PGC 9820		Galaxy S
Dec 19 2006 31"	17mmT4	VF,PS,PATCH,UB,NND,R=P

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IC 522		Galaxy S0	
Feb 04 2005 31"	17mmT4	MB,PS,R,BLNUC,SHISB,R=G	
IC 598		Galaxy S0/a	
Apr 18 2023 36"	17mmT4	MB,ML,EL,SBMUC,FT HALO ARMS,GMGM,MOD HISB MID,R=FG	
IC 644		Galaxy S	EEF,PS,1E,B*SF,SP OF 2
Apr 18 2023 36"	17mmT4	MF,MS,EL,SBNUC,VF* W TIP,PAIRS=N3398/PGC32587,R=PF	
Feb 05 2005 31"	17mmT4	MB,ML,EDGE ON,FSNUC,F* ON TIP,SHISB CNTR,GBM,PAIR=3398/OTHERS,R=G	
IC 674		Galaxy Sab	
Apr 12 2023 36"	17mmT4	MB,MS,OVAL,LBNUC,GMGM,MHISB MID,R=F	
IC 691		Galaxy I?	
Apr 03 2005 31"	17mmT4	PF,VS,R,FSNUC,R=F	
IC 694		Galaxy SBm? pec	
Apr 07 2008 31"	17mmT4	VF,PL,R,BLNUC,HISB CNTR,PAIRS=3690/PGC35345,R=G	
Apr 03 2005 31"	17mmT4	PB,MS,EL,BSNUC,HISB CNTR,INTRACT=3690,PAIRS=PGC/MAC,R=G	
Mar 15 1985 12.5"	16mm	INTRACT WITH 3690	
IC 705		Galaxy C	
Apr 03 2005 31"	17mmT4	MF,PS,R,BSNUC,R=F	
IC 708		Galaxy E	
Apr 19 2014 36"	17mmT4	PB,ML,OVAL-R,BLNUC,MHISB,F* OFF NUC,AGC1314,R=FG	
IC 709		Galaxy E?	
Apr 19 2014 36"	17mmT4	PB,PL,OVAL-R,BLNUC,MHISB,AGC1314,R=FG	
IC 711		Galaxy E?	
Apr 19 2014 36"	17mmT4	MF,ML,OVAL,FLNUC,SHISBB,PAIR=PGC35774,AGC1314,R=F	
IC 712		Galaxy S?	
Apr 19 2014 36"	17mmT4	MF,ML,OVAL,FLNUC,MHISB,MBM,PAIRS=MAC'S,AGC1314,R=F	
IC 749		Galaxy SAB(rs)cd	
Apr 10 2023 36"	17mmT4	DIF,PF,PL,OVAL-PATCH,NND,PATCHY AREAS,PAIR=IC750,EXCEL PAIR,R=F	
IC 750		Galaxy Sab: sp	
Apr 10 2023 36"	17mmT4	PB,ML,EL-EDGE ON,LBNUC,HISB,CNTR BULGE RGN,PAIR-IC749,EXCEL PAIR,R=E	
IC 751		Galaxy Sb? sp	
Apr 10 2023 36"	17mmT4	MF,MS,EL-EDGE ON,SFNUC,GMB,PAIR=IC752,R=F	
IC 752		Galaxy S	
Apr 10 2023 36"	17mmT4	MF,PS,EL-OVAL,UB,PAIR=IC751,R=F	

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IC	758		Galaxy SB(rs)cd:
Mar 06 2003	12.5"	9mmT6	EDIF,EF,MS,PATCH,AV ONLY,COMES AND GOES,LOC GOOD,R=P
IC	830		Galaxy S?
Mar 26 2006	31"	17mmT4	MB,MS,OVAL,BLNUC,GMBM,MHISB CNTR,R=G
IC	852		Galaxy S0-:
Apr 14 2004	31"	17mmT4	PF,PS,OVAL,FLNUC,R=F
IC	853		Galaxy (R')SAB(s)ab
Apr 14 2004	31"	17mmT4	DIF,MF,PL,PATCH,UB,NND,R=F
IC	875		Galaxy S0
Apr 14 2004	31"	17mmT4	MF,MS,OVAL,BSNUC,SBM,R=F
IC	907		Galaxy SB?b
Apr 03 2005	31"	17mmT4	PF,MS,EDGE ON,VFSNUC,R=F
IC	922		Galaxy
Apr 03 2005	31"	17mmT4	PF,VS,PATCH,UB,NND,PAIRS=MAC'S,ABELL 1783,R=P
IC	942		Galaxy E/S0
Apr 03 2005	31"	17mmT4	PF,MS,FLNUC,R=F
IC	951		Galaxy Sd
Apr 03 2005	31"	17mmT4	PF,ML,OVAL,PATCH,UB,NND,R=F
IC	995		Galaxy Sdm:
Jun 01 2003	12.5"	9mmT6	EDIF,EF,ES,AV,SUSP,R=P
Mar 06 2003	12.5"	9mmT6	EDIF,EF,VS,AV AFTER A WHILE,R=P
IC	996		Galaxy Sbc
Jun 01 2003	12.5"	9mmT6	EDIF,EF,ES,PATCH,AV HOLDS,R=P
Mar 06 2003	12.5"	9mmT6	EDIF,EF,VS,AV ONLY,R=P
IC	2458		Galaxy I0 pec:
Apr 14 2004	31"	17mmT4	VF,MS,PATCH,UB,NND,OFF TIP OF NGC2820,PAIRS/2814/2820,R=P
Jan 08 2003	12.5"	9mmT6	EEDIF,EF,ES,SUSP ONLY,PAIR/2814/2820
IC	2574		Galaxy SAB(s)m
Feb 04 2005	31"	17mmT4	PF,PL,OVAL,SHISB,PATCHY AREA,H2 RGN,IRR IN SHAPE,PAIR=MAC,R=F
IC	2600		Galaxy S
Feb 05 2005	31"	17mmT4	PF,MS,EL,PATCH,UB,NND,B* IN FOV,PAIRS=IC2601/MAC,R=F
IC	2601		Galaxy S
Feb 05 2005	31"	17mmT4	PF,MS,OVAL,FSNUC,SMWHT BM,PAIRS=IC2600/MAC,R=F

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IC	2615		Galaxy
Apr 18 2023	36"	17mmT4	PF,VS,EL,SFNUC,PAIR=IC2619,R=PF
IC	2616		Galaxy
Apr 18 2023	36"	17mmT4	MF,PS,R,LFNUC,SHISB MID,R=PF
IC	2617		Galaxy S
Apr 18 2023	36"	17mmT4	MF,MS,EL,LBNUC,SHISB,MHISB MID,R=F
IC	2619		Galaxy
Apr 18 2023	36"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=IC2615,R=P
IC	2620		Galaxy S?
Apr 18 2023	36"	17mmT4	MF,PS,OVAL,LFNUC,ON TOP OF PGC33301,2 IN 1,PAIR=PGC33301,R=F
IC	2735		Galaxy Sab
Apr 16 2009	31"	17mmT4	MF,MS,EDGE ON,NND,ONE END THICKER THAN OTHER,AGC 1228,R=F
IC	2738		Galaxy S?
Apr 16 2009	31"	17mmT4	MF,MS,R,BSNUC,BM,MHISB CNTR,AGC 1228,R=F
IC	2744		Galaxy S0?
Apr 16 2009	31"	17mmT4	MV,PS,R,FSNUC,AGC 1228,R=F
IC	2751		Galaxy Sb
Apr 16 2009	31"	17mmT4	MF,PS,LARG BNUC,SMWHT BM,SHISB CNTR,AGC 1228,R=F
IC	2943		Galaxy Sa?
Apr 04 2005	31"	17mmT4	PB,ML,OVAL,FLNUC,PAIR=3759,R=F
IC	2946		Galaxy
Apr 12 2023	36"	17mmT4	MF,MS,PATCH,LFNUC,SHISB,R=F
IC	2947		Galaxy S?
Apr 12 2023	36"	17mmT4	MB,MS,PATCH,NND,MHISB,R=F
IC	2950		Galaxy Sc
Apr 12 2023	36"	17mmT4	MB,MS,PATCH,LFNUC,SHISB,R=F
IC	2978		Galaxy Sc
Apr 09 2008	31"	17mmT4	VDIF,EF,PS,PATCH,AV HOLDS,R=P
IC	2979		Galaxy SB0
Apr 09 2008	31"	17mmT4	PF,PS,R,BSNUC,MBM,PAIR=3986,R=F
MAC	0835+5247		Galaxy
Oct 25 2006	31"	17mmT4	EF,VS,PATCH,NND,PAIRS=2606/2602,R=P

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MAC 0835+5247		Galaxy
Feb 01 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=2603/2602,R=F
MAC 0855+4904A		Galaxy
Apr 07 2008 31"	17mmT4	EF,VS,PATCH,NND,R=P
MAC 0900+5040		Galaxy
Apr 07 2008 31"	17mmT4	EF,ES,PATCH,JUST OF TIP OF PGC25308,AV,R=P
MAC 0932+5730		Galaxy
Apr 14 2004 31"	17mmT4	DIF,EF,VS,AV,PAIRS/2895/PGC27076,R=P
MAC 1002+5355		Galaxy
Apr 07 2008 31"	17mmT4	EF,VS,PATCH,UB,NND,PAIR=PGC29068,R=P
MAC 1027+6826		Galaxy
Feb 04 2005 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIR=IC2574,R=P
MAC 1039+4754		Galaxy
Feb 23 2006 31"	17mmT4	EF,VS,PATCH,AV,PAIRS=PGC'S,R=P
MAC 1043+4053		Galaxy
Feb 23 2006 31"	17mmT4	VF,VS,PATCH,NND,AV,R=P
MAC 1046+7227		Galaxy
Feb 05 2005 31"	17mmT4	PF,PS,OVAL,FSNUC,PAIRS=3362/PGC32218/MAC,R=P
MAC 1047+7220A		Galaxy
Feb 05 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,KEEP B* OUT OF FOV,PAIRS=IC2600/IC2601,R=P
MAC 1047+7221		Galaxy
Feb 05 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=3362/PGC32218/MAC,R=P
MAC 1051+5055		Galaxy
Feb 05 2005 31"	17mmT4	VF,PS,PATCH,UB,NND,PAIRS=3406/3410/MAC,R=P
MAC 1051+5523		Galaxy
Feb 05 2005 31"	17mmT4	EF,VS,PTACH,UB,AV,PAIRS=3398/OTHERS,R=P
MAC 1052+5050		Galaxy
Feb 05 2005 31"	17mmT4	VF,PS,PATCH,UB,NND,PAIRS=3406/3410/MAC,R=P
MAC 1052+5524		Galaxy
Feb 05 2005 31"	17mmT4	EF,ES,PATCH,UB,AV,SUSP,PAIRS=3398/OTHERS,R=P
MAC 1100+5743		Galaxy
Apr 03 2005 31"	17mmT4	VF,VS,PATCH,NND,PAIR=PGC33205,R=P

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MAC 1103+4050 **Galaxy**
Apr 07 2008 31" 17mmT4 COMP=PGC33423,EF,ES,CAN JUST BARELY DETECT WITH AV,PATCH,NND,R=P

MAC 1107+5720 **Galaxy**
Apr 03 2005 31" 17mmT4 VF,VS,PATCH,UB,NND,PAIR=MAC,R=F

MAC 1108+5708 **Galaxy**
Apr 03 2005 31" 17mmT4 VF,VS,PATCH,UB,NND,PAIR=3530,R=P

MAC 1108+5721 **Galaxy**
Apr 03 2005 31" 17mmT4 VF,VS,PATCH,UB,NND,PAIR=MAC,R=P

MAC 1109+2816A **Galaxy**
Mar 16 2009 31" 17mmT4 EF,ES,NO FIND,SUSP,AGC,R=P

MAC 1110+2827 **Galaxy**
Mar 16 2009 31" 17mmT4 PF,PS,OVAL,SNUC,AGC,R=F

MAC 1110+2828A **Galaxy**
Mar 16 2009 31" 17mmT4 VF,VS,PATCH,UB,HARD TO FIND,LOC IN BARREN FIELD,AGC,R=P

MAC 1110+2828B **Galaxy**
Mar 16 2009 31" 17mmT4 EF,VS,PATCH,NND,AV ONLY ONCE,SUSP,AGC,R=P

MAC 1110+2828C **Galaxy**
Mar 16 2009 31" 17mmT4 PF,PS,OVAL,UB,NND,AGC,R=F

MAC 1110+2829 **Galaxy**
Mar 16 2009 31" 17mmT4 VF,PS,PATCH,UB,NND,AGC,R=P

MAC 1110+2830 **Galaxy**
Mar 16 2009 31" 17mmT4 EF,VS,PATCH,NND,HARD TO HOLD WITH AV,AGC,R=P

MAC 1110+2833 **Galaxy**
Mar 16 2009 31" 17mmT4 MF,MS,OVAL,BLNUC,SMWHT BM,AGC,R=F
Apr 09 2008 31" 17mmT4 VF,PS,PATCH,UB,NND,PAIRS=AGC1185,R=F

MAC 1110+2834 **Galaxy**
Mar 16 2009 31" 17mmT4 VF,PS,PATCH,UB,AGC,R=P

MAC 1110+2837 **Galaxy**
Mar 16 2009 31" 17mmT4 VF,VS,OVAL,BSNUC,VS*NUC,AGC,R=P

MAC 1110+2840 **Galaxy**
Mar 16 2009 31" 17mmT4 VF,VS,OVAL,BSNUC,AGC,R=F

MAC 1110+2841A **Galaxy**

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MAC 1110+2841A		Galaxy
Mar 16 2009 31"	17mmT4	EF,VS,PATCH,UB,AV COMES AND GOES,AGC,R=P
Apr 09 2008 31"	17mmT4	VF,VS,PATCH,NND,PAIRS=AGC1185,R=P
MAC 1110+2841B		Galaxy
Mar 16 2009 31"	17mmT4	VF,VS,PATCH,UB,AGC,R=P
Apr 09 2008 31"	17mmT4	VF,VS,PATCH,NND,PAIRS=AGC1185,R=P
MAC 1110+2841C		Galaxy
Mar 16 2009 31"	17mmT4	VF,VS,PATCH,UB,AGC,R=P
Apr 09 2008 31"	17mmT4	VF,VS,PATCH,NND,PAIRS=AGC1185,R=P
MAC 1110+2841D		Galaxy
Mar 16 2009 31"	17mmT4	EF,VS,PATCH,AV ONLY ONCE,SUSP,AGC,R=P
MAC 1110+2841E		Galaxy
Mar 16 2009 31"	17mmT4	VF,ES,PATCH,* ON EDGE,AGC,R=P
Apr 09 2008 31"	17mmT4	VF,ES,PATCH,UB,NND,* ON OUTER EDGE,PAIRS=AGC1185,R=P
MAC 1110+2841F		Galaxy
Mar 16 2009 31"	17mmT4	VL,VS,EL,*NUC,AGC,R=P
Apr 09 2008 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=AGC1185,R=P
MAC 1110+2842A		Galaxy
Mar 16 2009 31"	17mmT4	VF,VS,PATCH,UB,AGC,R=P
MAC 1110+2842B		Galaxy
Mar 16 2009 31"	17mmT4	EF,VS,PATCH,AV COMES AND GOES,AGC,R=P
MAC 1110+2842C		Galaxy
Mar 16 2009 31"	17mmT4	VF,VS,OVAL,BSNUC,AGC,R=F
Apr 09 2008 31"	17mmT4	PF,PS,OVAL,FSNUC,PAIRS=AGC1185,R=F
MAC 1110+2842D		Galaxy
Mar 16 2009 31"	17mmT4	EF,ES,PATCH,AV,AGC,R=P
MAC 1110+2843A		Galaxy
Mar 16 2009 31"	17mmT4	LOC GOOD,SUSP,AGC,R=P
MAC 1110+2843B		Galaxy
Mar 16 2009 31"	17mmT4	LOC GOOD,SUSP,AGC,R=P
MAC 1110+2844		Galaxy
Mar 16 2009 31"	17mmT4	VF,VS,PATCH,UB,NND,AGC,R=P
MAC 1110+2844A		Galaxy
Mar 16 2009 31"	17mmT4	EF,ES,PATCH,AV,SUSP,LOC IN BARRON AREA,AGC,R=P

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MAC 1110+2845A		Galaxy
Mar 20 2009 31"	12mmT4	EF,VS,PATCH,TOOK A WHILE FOR AV TO HOLD,AGC,R=P
Mar 16 2009 31"	17mmT4	EF,ES,PATCH,AV ONCE,SUSP,AGC,R=P
Apr 09 2008 31"	17mmT4	EF,ES,PATCH,UB,AV ONCE ONLY,DOES NOT HOLD,PAIRS=AGC1185,R=P
MAC 1110+2845B		Galaxy
Mar 20 2009 31"	12mmT4	EF,VS,PATCH,TOOK A WHILE FOR AV TO HOLD,AGC,R=P
MAC 1110+2847		Galaxy
Mar 16 2009 31"	17mmT4	EF,VS,PATCH,AV HARD TO HOLD,AGC,R=P
Mar 16 2009 31"	17mmT4	VF,VS,PATCH,UB,AV,AGC,R=P
MAC 1110+2848		Galaxy
Mar 16 2009 31"	17mmT4	EF,VS,SUSP,AGC,R=P
MAC 1111+2830		Galaxy
Mar 16 2009 31"	17mmT4	EF,VS,PATCH,AV HOLDS,AGC,R=P
MAC 1111+2831		Galaxy
Mar 16 2009 31"	17mmT4	EF,ES,PATCH,NND,AV,AGC,R=P
MAC 1111+2832		Galaxy
Mar 16 2009 31"	17mmT4	VF,VS,PATCH,NND,AV,AGC,R=P
MAC 1111+2834		Galaxy
Mar 16 2009 31"	17mmT4	VF,VS,PATCH,NND,AV,AGC,R=P
MAC 1111+2835A		Galaxy
Mar 16 2009 31"	17mmT4	EF,VS,PATCH,NND,AV,AGC,R=P
MAC 1111+2835D		Galaxy
Mar 20 2009 31"	12mmT4	EF,VS,PATCH,TOOK A WHILE TO FIND WITH AV,AGC,R=P
MAC 1111+2836A		Galaxy
Mar 16 2009 31"	17mmT4	VF,ES,PATCH,NND,*,B* ON TOP OF GLXYAXY,AGC,R=P
MAC 1111+2836B		Galaxy
Mar 16 2009 31"	17mmT4	EF,VS,HARD TO HOLD WITH AV,AGC,R=P
MAC 1111+2838		Galaxy
Mar 16 2009 31"	17mmT4	VF,VS,PATCH,UB,NND,AV,AGC,R=P
MAC 1111+2840		Galaxy
Mar 16 2009 31"	17mmT4	VF,PS,PATCH,UB,NND,AGC,R=P
MAC 1111+2841		Galaxy
Mar 16 2009 31"	17mmT4	EF,ES,PATCH,AV,SUSP,AGC,R=P

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MAC 1111+2842 **Galaxy**
 Mar 16 2009 31" 17mmT4 EF,VS,PATCH,NND,AV,AGC,R=P

MAC 1111+2843B **Galaxy**
 Mar 20 2009 31" 12mmT4 EF,ES,PATCH,AV ONLYONCE,AGC,R=P

MAC 1111+2845B **Galaxy**
 Mar 16 2009 31" 17mmT4 VF,VS,EL,*NUC,AGC,R=P

MAC 1111+2848 **Galaxy**
 Mar 16 2009 31" 17mmT4 EF,VS,PATCH,NND,HARD TO HOLD WITH AV,AGC,R=P

MAC 1111+2849 **Galaxy**
 Mar 16 2009 31" 17mmT4 EF,VS,PATCH,NND,HARD TO HOLD WITH AV,AGC,R=P

MAC 1115+2904 **Galaxy**
 Mar 17 2009 31" 17mmT4 PF,PS,OVAL,FSNUC,AGC,R=F

MAC 1115+2914 **Galaxy**
 Mar 17 2009 31" 17mmT4 VF,VS,PATCH,AV HOLDS,AGC,R=P

MAC 1115+2915 **Galaxy**
 Mar 17 2009 31" 17mmT4 VF,VS,PATCH,AGC,R=F

MAC 1115+2916B **Galaxy**
 Mar 17 2009 31" 17mmT4 EF,ES,AV,SUSP,AGC,R=P

MAC 1115+2918 **Galaxy**
 Mar 17 2009 31" 17mmT4 EF,VS,PATCH,TOOK A WHILE FOR AV TO FIND,AGC,R=P

MAC 1115+5539B **Galaxy**
 Apr 03 2005 31" 17mmT4 VF,VS,PATCH,UB,NND,R=P

MAC 1115+5548 **Galaxy**
 Apr 03 2005 31" 17mmT4 VF,VS,PATCH,UB,NND,R=P

MAC 1116+2904 **Galaxy**
 Mar 17 2009 31" 17mmT4 VF,VS,PATCH,NND,AGC,R=P

MAC 1116+2906 **Galaxy**
 Mar 17 2009 31" 17mmT4 EF,VS,PATCH,BARRON AREA,AV A FEW TIMES,SUSP,AGC,R=P

MAC 1116+2908 **Galaxy**
 Mar 17 2009 31" 17mmT4 PF,VS,PATCH,NND,AGC,R=F

MAC 1116+2909 **Galaxy**
 Mar 17 2009 31" 17mmT4 BARRON AREA,NO FIND,LOC GOOD,AGC,R=P

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MAC 1116+2909A Galaxy
 Mar 17 2009 31" 17mmT4 EF,ES,AV ONLY A FEW TIMES,SUSP,AGC,R=P

MAC 1116+2909B Galaxy
 Mar 17 2009 31" 17mmT4 EF,VS,PATCH,AV A FEW TIMES,BARRON AREA,SUSP,AGC,R=P

MAC 1116+2910 Galaxy
 Mar 17 2009 31" 17mmT4 VF,VS,PATCH,AV FIRST THEN HOLDS,AGC,R=P

MAC 1116+2911 Galaxy
 Mar 17 2009 31" 17mmT4 EF,ES,AV ONLY ONCE OR TWICE,SUSP,AGC,R=P

MAC 1116+2912 Galaxy
 Mar 17 2009 31" 17mmT4 EF,VS,PATCH,AV FIRST THEN HOLDS,AGC,R=P

MAC 1116+2914 Galaxy
 Mar 17 2009 31" 17mmT4 PF,PS,FSNUC,CAN JUST SPLIT THE TWO,AGC,R=F

MAC 1116+2915A Galaxy
 Mar 17 2009 31" 17mmT4 PF,PS,FSNUC,CAN JUST SPLIT THE TWO,AGC,R=F

MAC 1116+2915B Galaxy
 Mar 17 2009 31" 17mmT4 PF,VS,PATCH,NND,AGC,R=P

MAC 1116+2918 Galaxy
 Mar 17 2009 31" 17mmT4 PF,PS,VAL,UB,NND,AGC,R=F

MAC 1116+2919A Galaxy
 Mar 17 2009 31" 17mmT4 VF,VS,PATCH,NND,AGC,R=P

MAC 1116+2919B Galaxy
 Mar 17 2009 31" 17mmT4 EF,ES,PATCH,AV,AGC,R=P

MAC 1116+2922 Galaxy
 Mar 17 2009 31" 17mmT4 EF,ES,PATCH,AV ONLY A FEW TIMES,SUSP,AGC,R=P

MAC 1116+2926 Galaxy
 Mar 17 2009 31" 17mmT4 PF,VS,PATCH,UB,NND,AGC,R=P

MAC 1117+2905 Galaxy
 Mar 17 2009 31" 17mmT4 PF,PS,OVAL,FLNUC,AGC,R=F

MAC 1117+2908 Galaxy
 Mar 17 2009 31" 17mmT4 PF,PS,OVAL,FLNUC,AGC,R=F

MAC 1119+3419 Galaxy
 Apr 16 2009 31" 17mmT4 PF,VS,R,*NUC OR * ON TOP OF GLXYAXY,AGC 1228,R=P

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MAC 1119+3419		Galaxy
Mar 20 2009 31"	17mmT4	VF,VS,PATCH,VF* ON OUTER EDGE,AGC,R=P
MAC 1120+3110		Galaxy
Feb 23 2006 31"	17mmT4	VF,VS,PATCH,FSNUC,VSNUC,BM,PAIRS=PGC'S,R=F
MAC 1120+3407		Galaxy
Mar 20 2009 31"	17mmT4	VF,PS,PATCH,NND,AGC,R=P
MAC 1120+3408		Galaxy
Mar 20 2009 31"	17mmT4	EF,ES,SUSP ONLY,AGC,R=P
MAC 1120+3424		Galaxy
Apr 16 2009 31"	17mmT4	PF,PS,R,UB,NND,AGC 1228,R=P
MAC 1120+3429		Galaxy
Apr 16 2009 31"	17mmT4	PF,PS,OVAL,UB,NND,VF* OFF SIDE,AGC 1228,R=P
MAC 1120+3433		Galaxy
Apr 16 2009 31"	17mmT4	EF,VS,PATCH,SUSP,AGC 1228,R=P
MAC 1120+3433A		Galaxy
Apr 16 2009 31"	17mmT4	VF,VS,PATCH,UB,NND,AV,AGC 1228,R=P
MAC 1120+3435		Galaxy
Apr 16 2009 31"	17mmT4	EF,VS,PATCH,BARREN AREA,AV A FEW TIMES,AGC 1228,R=P
MAC 1120+3437		Galaxy
Apr 16 2009 31"	17mmT4	VF,VS,PATCH,NND,LOC IN BARREN AREA,AV,AGC 1228,R=P
MAC 1120+3437A		Galaxy
Apr 16 2009 31"	17mmT4	EF,VS,PATCH,AV A FEW TIMES,TOOK A WHILE,AGC 1228,R=P
MAC 1120+5749		Galaxy
Apr 03 2005 31"	17mmT4	EF,VS,PATCH,AV,PAIRS=3625,MAC,R=P
MAC 1121+3357		Galaxy
Mar 20 2009 31"	17mmT4	EF,VS,PATCH,TOOK AV A WHILE TO LOCATE,IN BARRON AREA,AGC,R=P
MAC 1121+3357A		Galaxy
Mar 20 2009 31"	17mmT4	EF,ES,PATCH,AV ONLY ONCE,AGC,R=P
MAC 1121+3402		Galaxy
Mar 20 2009 31"	17mmT4	EF,VS,PATCH,TOOK A WHILE FOR AV,AV FEW TIMES,AGC,R=P
MAC 1121+3406		Galaxy
Mar 20 2009 31"	17mmT4	EF,VS,PATCH,AV ONLY ONCE,AGC,R=P

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MAC 1121+3408 **Galaxy**
Apr 16 2009 31" 17mmT4 EF,VS,SUSP,F* CLOSE BY,AGC 1228,R=P

MAC 1121+3411 **Galaxy**
Apr 16 2009 31" 17mmT4 PF,MS,EL TO EDGE ON,NND,AGC 1228,R=F

MAC 1121+3412A **Galaxy**
Apr 16 2009 31" 17mmT4 PF,PS,OVAL,PATCH,NND,CLOSE COMP=MAC,CAN SPLIT THE TWO,AGC 1228,R=F

MAC 1121+3412B **Galaxy**
Apr 16 2009 31" 17mmT4 PF,PS,OVAL,*NUC,CLOSE COMP=MAC,CAN SPLIT THE TWO,AGC 1228,R=F

MAC 1121+3415 **Galaxy**
Apr 16 2009 31" 17mmT4 EF,VS,PATCH,AV A FEW TIMES,TOOK A WHILE,B* CLOSE BY,AGC 1228,R=P

MAC 1121+3418 **Galaxy**
Apr 16 2009 31" 17mmT4 VF,VS,PATCH,V CLOSE TO F*,AV,AGC 1228,R=P

MAC 1121+3421 **Galaxy**
Apr 16 2009 31" 17mmT4 EF,VS,PATCH,TOOK A WHILE FOR AV,AGC 1228,R=P

MAC 1121+3430 **Galaxy**
Apr 16 2009 31" 17mmT4 PF,PS,R,FSNUC,AGC 1228,R=F

MAC 1121+3432 **Galaxy**
Apr 16 2009 31" 17mmT4 PF,PS,R,FLNUC,AGC 1228,R=F

MAC 1121+3434 **Galaxy**
Apr 16 2009 31" 17mmT4 VF,VS,PATCH,UB,NND,AV,AGC 1228,R=P

MAC 1121+3437 **Galaxy**
Apr 16 2009 31" 17mmT4 PF,PS,PATCH,NND,AGC 1228,R=P

MAC 1122+3401 **Galaxy**
Apr 16 2009 31" 17mmT4 MF,PS,OVAL,BSNUC,A VB MAC GLXYAXY,AGC 1228,R=F
Mar 20 2009 31" 17mmT4 PF,PS,PATCH,FLNUC,AGC,R=F

MAC 1122+3406 **Galaxy**
Apr 16 2009 31" 17mmT4 EF,PS,PATCH,AV A FEW TIMES,AGC 1228,R=P

MAC 1122+3411 **Galaxy**
Apr 16 2009 31" 17mmT4 VF,VS,PATCH,UB,AV COMES AND GOES THEN FINALLY HOLDS,AGC 1228,R=P

MAC 1122+3416 **Galaxy**
Apr 16 2009 31" 17mmT4 PF,PS,EL,PATCH,NND,AGC 1228,R=P

MAC 1122+3421 **Galaxy**

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MAC 1122+3421		Galaxy
Apr 16 2009 31"	17mmT4	PF,PS,BSNUC,ONE OF THE BTEST MAC OBSERVED TO DATE,AGC 1228,R=F
MAC 1122+3423		Galaxy
Apr 16 2009 31"	17mmT4	PF,PS,OVAL,PATCH,NND,UB,AGC 1228,R=P
MAC 1122+3438		Galaxy
Apr 16 2009 31"	17mmT4	EF,VS,SUSP,AGC 1228,R=P
MAC 1122+3749		Galaxy
Apr 26 2006 31"	17mmT4	EF,VS,PATCH,UB,NND,AV FIRST THEN HOLDS,PAIR=3652,R=P
MAC 1123+5350		Galaxy
Apr 03 2005 31"	17mmT4	VF,VS,UB,NND,PAIRS=PGC'S/3656,R=P
MAC 1125+5423		Galaxy
Apr 07 2008 31"	17mmT4	EF,ES,PATCH,AV,PAIR=PGC35129,R=P
MAC 1126+5706		Galaxy
Apr 03 2005 31"	17mmT4	VF,PS,PATCH,UB,NND,PAIR=3674,R=F
MAC 1128+5837		Galaxy
Apr 03 2005 31"	17mmT4	EF,VS,PATCH,SUSP,PAIRS=PGC,IC,3690,R=P
MAC 1132+5307		Galaxy
Feb 23 2006 31"	17mmT4	PF,PS,PATCH,NND,PAIR=3718,R=F
MAC 1133+5307A		Galaxy
Feb 23 2006 31"	17mmT4	DIF,EF,VS,PATCH,PAIR=MAC,R=P
MAC 1133+5307B		Galaxy
Feb 23 2006 31"	17mmT4	DIF,EF,VS,PATCH,AV,PAIR=MAC,R=P
MAC 1133+5308		Galaxy
Feb 23 2006 31"	17mmT4	DIF,EF,VS,PATCH,AV,V CLOSE COMP,PAIR=3729,R=P
MAC 1134+4904A		Galaxy
Apr 19 2014 36"	17mmT4	EF,PS,PATCH,SUSP,PAIRS=IC712/MAC,AGC1314,R=P
MAC 1134+4904B		Galaxy
Apr 19 2014 36"	17mmT4	PF,PS,PATCH,NND,AGC1314,R=PF
MAC 1134+4905B		Galaxy
Apr 19 2014 36"	17mmT4	VF,VS,PATCH,NND,PAIRS=IC712/MAC,AGC1314,R=PF
MAC 1134+4906B		Galaxy
Apr 19 2014 36"	17mmT4	VF,VS,PATCH,UB,NND,AGC1314,R=PF

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MAC 1134+4907A		Galaxy
Apr 19 2014 36"	17mmT4	VF,VS,PATCH,NND,DOES NOT NEED AV,AGC1314,R=P
MAC 1134+4907B		Galaxy
Apr 19 2014 36"	17mmT4	PF,PS,PATCH,UB,NND,AGC1314,R=PF
MAC 1135+4856		Galaxy
Apr 19 2014 36"	17mmT4	VF,VS,PATCH,AV FIRST THEN HOLDS,AGC1314,R=P
MAC 1135+4904		Galaxy
Apr 19 2014 36"	17mmT4	VF,VS,OVAL,PATCH,AV HOLDS,AGC1314,R=P
MAC 1135+4905B		Galaxy
Apr 19 2014 36"	17mmT4	MB,MS,OVAL,UB,NND,SHISB,AGC1314,R=FG
MAC 1135+4905C		Galaxy
Apr 19 2014 36"	17mmT4	VF,MS,OVAL,PATCH,AGC1314,R=P
MAC 1135+4912		Galaxy
Apr 19 2014 36"	17mmT4	VF,VS,PATCH,NND,AGC1314,R=P
MAC 1135+4917		Galaxy
Apr 19 2014 36"	17mmT4	PF,PS,OVAL,FSNUC,OUTSIDE OF AGC1314,R=PF
MAC 1135+5455		Galaxy
Apr 04 2005 31"	17mmT4	PF,VS,PATCH,NND,PAIRS=3737/PGC35811/MAC'S,R=F
MAC 1135+5456A		Galaxy
Apr 04 2005 31"	17mmT4	VF,VS,PATCH,NND,PAIRS=3737/PGC35811/MAC'S,R=P
MAC 1135+5456B		Galaxy
Apr 04 2005 31"	17mmT4	VF,VS,PATCH,NND,PAIRS=3737/PGC35811/MAC'S,R=P
MAC 1135+5457A		Galaxy
Apr 04 2005 31"	17mmT4	VF,VS,PATCH,NND,PAIRS=3737/PGC35811/MAC'S,R=P
MAC 1135+5457B		Galaxy
Apr 04 2005 31"	17mmT4	VF,VS,PATCH,NND,PAIRS=3737/PGC35811/MAC'S,R=P
MAC 1136+5503		Galaxy
Apr 04 2005 31"	17mmT4	PF,PS,OVAL,UB,NND,CLOSE PAIR=PGC35872,R=F
MAC 1136+5508B		Galaxy
Apr 04 2005 31"	17mmT4	PF,PS,EL,NND,PAIR=3759A,R=F
MAC 1144+5534		Galaxy
Feb 23 2006 31"	17mmT4	VF,VS,PATCH,NND,AV,PAIRS=3846/MAC,R=P

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MAC 1144+5537		Galaxy
Feb 23 2006 31"	17mmT4	PF,PS,EL,PATCH,UB,NND,PAIRS=3846/MAC,R=F
MAC 1145+5548		Galaxy
Feb 23 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=3850,R=P
MAC 1147+5559		Galaxy
Feb 23 2006 31"	17mmT4	VF,PS,EL,FSNUC,PAIRS=3888/3889/PGC,R=P
MAC 1150+5157		Galaxy
Mar 04 2006 31"	17mmT4	PF,MS,OVAL,FLNUC,PAIR=3931,R=F
MAC 1151+5200		Galaxy
Mar 04 2006 31"	17mmT4	EF,VS,SUSP,PAIR=PGC37168,R=P
MAC 1157+3621		Galaxy
Apr 09 2008 31"	17mmT4	EF,ES,PATCH,AV COMES AND GOES,PAIRS=PGC'S/MAC,R=P
Apr 09 2008 31"	17mmT4	EDIF,EF,VS,PATCH,AV COMES AND GOES,PAIRS=PGC'S/MAC,R=P
MAC 1157+3622		Galaxy
Apr 09 2008 31"	17mmT4	VF,VS,OVAL,UB,NNC,COMP=PGC37639,R=P
Apr 09 2008 31"	17mmT4	EF,VS,UB,INTRACT=PGC37639,CAN JUST BARELY SPERATE,R=P
MAC 1157+4349C		Galaxy
Apr 26 2006 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIR=MAC,R=P
MAC 1158+4349A		Galaxy
Apr 26 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=MAC,AV,R=P
MAC 1203+5149		Galaxy
Apr 09 2008 31"	17mmT4	EF,ES,PATCH,PAIRS=AGC1452,R=P
MAC 1204+5147		Galaxy
Apr 09 2008 31"	17mmT4	EF,ES,PATCH,PAIRS=AGC1452,R=P
MAC 1204+5150		Galaxy
Apr 09 2008 31"	17mmT4	EF,VS,PATCH,PAIRS=AGC1452,R=P
MAC 1219+5643		Galaxy
Feb 04 2005 31"	17mmT4	EF,VS,AV,SUSP,PAIR=4271,R=P
MAC 1223+5814		Galaxy
Feb 04 2005 31"	17mmT4	EF,VS,PATCH,NND,AV,PAIRS=4358/4362/4364,R=P
MAC 1243+5453		Galaxy
Mar 26 2006 31"	17mmT4	EF,VS,PATCH,UB,NND,PAIR=4646,R=P

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MAC 1305+5341		Galaxy
Apr 14 2004 31"	17mmT4	EF,ES,PATCH,PAIRS=4973 GRP,R=P
MAC 1305+5342		Galaxy
Apr 14 2004 31"	17mmT4	EF,ES,PATCH,AV,PAIRS=4973 GRP,R=P
MAC 1306+5328		Galaxy
Apr 14 2004 31"	17mmT4	VF,ES,*,R=P
MAC 1306+5331		Galaxy
Apr 14 2004 31"	17mmT4	VDIF,EF,ES,PATCH,AV,PAIR=PGC45337,R=P
MAC 1306+5332		Galaxy
Apr 14 2004 31"	17mmT4	VF,VS,OVAL,VFSNUC,R=P
MAC 1306+5339		Galaxy
Apr 14 2004 31"	17mmT4	DIF,EF,MS,PATCH,UB,NND,PAIRS=4973 GRP,R=P
MAC 1309+5322		Galaxy
Apr 14 2004 31"	17mmT4	VF,VS,PATCH,LOCATED IN BARRON FOV,R=P
MAC 1326+5529		Galaxy
Apr 03 2005 31"	17mmT4	VF,VS,PAIR=5164,R=P
MAC 1329+5826		Galaxy
Apr 03 2005 31"	17mmT4	EF,VS,PATCH,CLOSE COMP=5204,EXTENSION OF 5204,R=P
MAC 1330+5829		Galaxy
Apr 03 2005 31"	17mmT4	VF,VS,PATCH,PAIRS=MAC,5204,R=P
MAC 1332+6234		Galaxy
Apr 03 2005 31"	17mmT4	VF,VS,PATCH,R=P
MAC 1332+6240		Galaxy
Apr 03 2005 31"	17mmT4	EF,ES,PATCH,AV,R=P
MAC 1342+5531A		Galaxy
Apr 03 2005 31"	17mmT4	PATCH,SUSP,PAIRS=PGC48570/MAC,R=P
MAC 1342+5531B		Galaxy
Apr 03 2005 31"	17mmT4	PATCH,SUSP,PAIRS=PGC48570/MAC,R=P
MAC 1342+5536		Galaxy
Apr 03 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=IC922/MAC,R=F
MAC 1343+5537A		Galaxy
Apr 03 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=IC922,MAC,R=P

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MAC 1343+5538A		Galaxy	
Apr 03 2005 31"	17mmT4	VF,PS,PATCH,NND,PAIRS=MAC'S,R=P	
MAC 1343+5538B		Galaxy	
Apr 03 2005 31"	17mmT4	EF,VS,PATCH,NND,AV,PAIRS=MAC'S,R=P	
MAC 1343+5538C		Galaxy	
Apr 03 2005 31"	17mmT4	DIF,EF,MS,PATCH,AV,PAIRS=MAC'S,R=P	
MAC 1344+5537		Galaxy	
Apr 03 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,R=P	
MAC 1344+5542		Galaxy	
Apr 03 2005 31"	17mmT4	EF,ES,PATCH,NND,AV,R=P	
MAC 1353+5838		Galaxy	
May 16 2004 31"	17mmT4	VF,VS,PATCH,NND,R=P	
MAC 1354+5416		Galaxy	
May 16 2004 31"	17mmT4	EF,ES,PATCH,AV,PAIR=5368,R=P	
MAC 1354+5428		Galaxy	
May 16 2004 31"	17mmT4	EF,ES,PATCH,UB,NND,CLOSE TO *,R=P	
MAC 1355+5927A		Galaxy	
May 16 2004 31"	17mmT4	VF,VS,PATCH,NND,PAIR=5376,R=P	
MAC 1355+5930		Galaxy	
May 16 2004 31"	17mmT4	VF,VS,PATCH,NND,PAIR=5376,R=P	
MAC 1404+5423B		Galaxy	
May 16 2004 31"	17mmT4	VF,VS,PATCH,UB,PAIR=5471,R=P	
NGC 2600		Galaxy Sb	NO DESCRIP
Oct 25 2006 31"	17mmT4	PF,MS,EL,PATCH,UB,NND,R=F	
Feb 01 2005 31"	17mmT4	PF,PS,EDGE ON,PATCH,UB,NND,R=F	
NGC 2602		Galaxy	EF,S,R,*P
Oct 25 2006 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIRS=2606/MAC,R=F	
Feb 01 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=2603/MAC,R=F	
NGC 2603		Galaxy S	EF,VS,
Feb 01 2005 31"	17mmT4	MF,MS,OVAL,PATCH,FLNUC,PAIRS=2602/MAC,R=F	
NGC 2606		Galaxy Sbc	CF,S,R,*NF
Oct 25 2006 31"	17mmT4	PF,PS,OVAL,UB,NND,PAIRS=2602/MAC,R=F	

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NGC 2614		Galaxy SA(r)c:	EF,PS,R
Feb 01 2005 31"	17mmT4	VDIF,VF,VL,OVAL,PATCH,UB,NND,F* IN EDGE,R=P	
NGC 2629		H982-3 Galaxy SA(r)0^:	VF,S,STELLAR
Feb 01 2005 31"	17mmT4	MB,MS,R,BLNUC,HISB,PAIR=2641,R=G	
NGC 2630		Galaxy Sbc	2VF,VS,V NR 2629
Feb 01 2005 31"	17mmT4	PF,MS,EL,PATCH,UB,NND,R=F	
NGC 2639		H204-1 Galaxy (R)SA(r)a:?	CB,S,E130,PSMBM
Mar 15 1985 12.5"	16mm	PF,PS,EL,SBM,NO *S,FORMS TRI WITH 2 OTHER *S	
Dec 03 1980 12.5"	24mm		
NGC 2641		H983-3 Galaxy S0:	VF,S,STELLAR
Feb 01 2005 31"	17mmT4	MF,MS,R,FLNUC,PAIR=2629,R=F	
NGC 2650		H908-2 Galaxy SB(rs)b:	PB,PL,IF,ER
Feb 04 2005 31"	17mmT4	MB,MS,R,BLNUC,LOC IN TRI OF *S,HISB CNTR,BM,R=G	
NGC 2654		Galaxy SBab: sp	PF,S,F*IN M,F*NR SP
Mar 15 1985 12.5"	16mm	PF,PS,EDGE ON,BNUC	
NGC 2656		Galaxy SA0- pec:	EF,PSBM
Feb 01 2005 31"	17mmT4	PF,MS,OVAL,PATCH,FSNUC,R=F	
NGC 2675		Galaxy E	VF,R,*15P 12S
Feb 04 2005 31"	17mmT4	MB,MS,R,BLNUC,SHISB CNTR,GMBM,R=G	
NGC 2681		H242-1 Galaxy (R')SAB(rs)0/a	VB,VL,VG,VSMBM*10
Mar 15 1985 12.5"	16mm	SAME	
Oct 16 1982 12.5"	16mm	MB,MS,R,GMBM,BNUC,2F*S W,1F* E	
Dec 03 1980 12.5"	24mm		
NGC 2684		H712-3 Galaxy S?	F,PL,R,GBM,45*NR
Apr 07 2008 31"	17mmT4	MF,PL,R,FLNUC,MHISB,PAIRS=NGC'S,R=G	
NGC 2685		Galaxy (R)SB0+ pec	PF,R,F*INCENTRE
Mar 15 1985 12.5"	12mm	DIF,VF,VS,EDGE ON,BNUC,L CNTR RGN,TAPERED ENDS,F GLOW SUR NUC	
NGC 2686A		Galaxy	VF,VS,D OR*CLOSE F
Apr 07 2008 31"	17mmT4	PF,PS,OVAL,UB,NND,INTRACT=2686B,CAN BARELY SEP TWO,PAIRS=NGC'S,R=F	
NGC 2686B		Galaxy	
Apr 07 2008 31"	17mmT4	EF,VS,OVAL,UB,NND,INTRACT=2686B,CAN BARELY SEP TWO,PAIRS=NGC'S,R=P	
NGC 2687A		Galaxy S	VS
Apr 07 2008 31"	17mmT4	EF,VS,NND,SUSP,ON TOP OF 2687B,DID NOT DET,PAIRS=NGC'S,R=P	

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NGC 2687B		Galaxy S	
Apr 07 2008 31"	17mmT4	PF,PS,OVAL,UB,NND,CLOSE PAIR=2687A,PAIRS=NGC'S,R=F	
NGC 2692		H831-3	Galaxy SBab: VF,S,R,PSBM
Feb 04 2005 31"	17mmT4	MB,PS,OVAL-R,BLNUC,SHISB,*S OFF TO SIDE,PAIR=PGC25130,R=G	
NGC 2693		H823-2	Galaxy E3: PB,LE,PSMBM
Feb 04 2005 31"	17mmT4	VB,PL,BLNUC,MHISB,PAIR=2694,R=G	
Mar 15 1985 12.5"	12mm	DIF,VF,VS,S OVAL PATCH,NO *S	
Dec 03 1980 12.5"	24mm		
NGC 2694		Galaxy E1	VF,VS,1'S OF2693
Feb 04 2005 31"	17mmT4	MB,MS,R,PATCH,UB,NND,SHISB,PAIR=2693,R=F	
NGC 2701		H66-4	Galaxy SAB(rs)c: PB,FANSHAPED,*11ATT
Mar 15 1985 12.5"	12mm	EDIF,VF,MS,OVAL PATCH,UB,B* IN S PART,NND,SN?	
NGC 2710		H841-3	Galaxy SB(rs)b VF,S
Feb 04 2005 31"	17mmT4	PB,PL,EL,PATCH,UB,NND,R=G	
NGC 2726		H834-2	Galaxy Sa? CF,PS,IR,ER
Mar 06 2003 12.5"	9mmT6	MF,ML,EL,UB,NND,MHISB,VF* IN GLXY,SMWHT BKN,R=G	
NGC 2739		Galaxy Sa	VF,S,R,NP 2740
Mar 06 2003 12.5"	9mmT6	VDIF,EF,VS,PATCH,AV,PAIR=2740,R=P	
NGC 2740		Galaxy S?	VF,PS,R
Mar 06 2003 12.5"	9mmT6	VDIF,EF,PS,PATCH,VF* CLOSE TO GLXY,PAIR=2739,R=P	
NGC 2742		H249-1	Galaxy SA(s)c: CB,CL,E90,ER
Mar 06 2003 12.5"	9mmT6	VB,VL,OVAL,NND,MHISB,PATCHY,SPR STR SUSP,R=E	
Mar 15 1985 12.5"	16mm	DIF,PF,PS,PATCHY-OVAL,NND,UB,3F*S TO S 1 GLXY DIA	
Oct 16 1982 12.5"	16mm	TRI OF 3F*S OFF TO E	
Oct 16 1982 12.5"	24mm	DIF,MF,ML,UB,OVAL,SAME 24MM FIELD W/2768	
NGC 2742A		Galaxy SB(s)b pec?	
Mar 06 2003 12.5"	9mmT6	MF,ML,OVAL,PATCH,NND,SLT HISB,R=F	
NGC 2756		H828-2	Galaxy Sb PB,PS,E,VGBM
Mar 06 2003 12.5"	9mmT6	MB,ML,R,BNUC,LNUC AREA,MHISB CNTR,PAIR=PGC25755,R=G	
Jan 08 2003 12.5"	9mmT6	MB,ML,SMHISB,PATCH,OVAL,UB,COMP SUSP	
NGC 2762		Galaxy S	VVF,S,R,1ST OF 4
Dec 07 2005 31"	17mmT4	VF,MS,EL,PATCH,UB,NND,PAIR=2767,R=P	
NGC 2767		Galaxy S?	VF,SBM*15,2ND OF 4
Mar 06 2003 12.5"	9mmT6	MB,PS,R,BNUC,PAIR/2771/2769,R=F	

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NGC 2768	H250-1	Galaxy E6:	CB,CL,LE,PSBMLBN
Mar 06 2003 12.5" 9mmT6	VB,VL,OVAL,BNUC,HISB,DUST EXPECTED,GMBM,*NUC,HISB CNTR,MHISB ARMS,R=E		
Mar 15 1985 12.5" 16mm	MB,PL,OVAL,PATCHY,MHISB TOWARDS CNTR,NO *S		
Oct 16 1982 12.5" 12mm	MB,ML,2F*S OFF TO S,2B*S ON BOTH SIDES,EL,MBM,TAPERED,BNUC		
Dec 03 1980 12.5" 24mm			
NGC 2769	Galaxy Sa		PF,S,E,PSLBM,3RD OF 4
Mar 06 2003 12.5" 9mmT6	B,ML,EL-EDGE ON,FNUC,PAIR/2771/2767,R=F		
NGC 2771	Galaxy (R')SB(r)ab		VF,S,LE,4TH OF 4
Mar 06 2003 12.5" 9mmT6	MB,PL,OVAL,PATCH,FNUC,MHISB,PAIR/2769/2767,R=F		
NGC 2787	H216-1	Galaxy SB(r)0+	B,PL,LE90,MBM,R,*INV
Mar 26 2003 12.5" 9mmT6	PB,ML,R,MHISB,FACE ON,F* IN GLXY ARMS,GBM,SPR STR SUSP,R=E		
Mar 15 1985 12.5" 12mm	SAME,F* IN E SIDE NOT DET		
Oct 16 1982 12.5" 12mm	R,GMBM,ANOTHER F* IN E PART		
Oct 16 1982 12.5" 16mm	MB,MS,BNUC,OVAL,F* IN S PART,HISB CNTR		
NGC 2800	H832-3	Galaxy E	VF,S,LE,*ATT,*INV
Mar 26 2003 12.5" 9mmT6	PB,MS,OVAL,NND,B* IN GLXY,R=G		
NGC 2805	H878-3	Galaxy SAB(rs)d	VF,L,R,MBM
Apr 14 2004 31" 17mmT4	DIF,PF,VL,PATCH,UB,NND,R=F		
Jan 08 2003 12.5" 9mmT6	DIF,PF,PL,FNUC,R,UB WITH FT NUC,OVAL		
NGC 2810	H749-3	Galaxy E	F,CS,BM
Apr 14 2004 31" 17mmT4	MB,ML,R,LARG BNUC,HISB CNTR,R=G		
NGC 2814	H868-2	Galaxy Sb:	F,S,IF,1ST OF 2
Apr 14 2004 31" 17mmT4	MB,ML,EL,FLNUC,SHISB,PAIRS/IC2458/2820,R=G		
Jan 08 2003 12.5" 9mmT6	MF,PL,EL-OVAL,NND,SLT HISB,PAIR/2820/IC2458		
NGC 2820	H869-2	Galaxy SB(s)c pec sp	F,S,E,2ND OF 2
Apr 14 2004 31" 17mmT4	MB,VL,EDGE ON,UB,NND,SHISB,PAIRS/IC2458/2814,R=E		
Jan 08 2003 12.5" 9mmT6	MB,ML,NICE EDGE ON,DUST SUSP,AREAS BKN,NND,SHISB,PAIR/IC2458/2814		
NGC 2841	H205-1	Galaxy SA(r)b:	VB,L,VME151,VSMBM*10
Apr 14 2004 31" 17mmT4	VB,EL,EL,BLNUC,HISB,L AREA OF ARMS,DUST SUSP,* IN TIP,R=E		
Mar 15 1985 12.5" 12mm	SAME,ALL *S PRESENT		
Oct 16 1982 12.5" 12mm	FTR * OFF NE,SAME		
Oct 16 1982 12.5" 16mm	VB,ML,EL,BNUC,F* IN N TIP,F*NW,GMBM,DIF HALO,VF*N		
Dec 03 1980 12.5" 24mm			
NGC 2854	H714-3	Galaxy SB(s)b	CF,CS,VLE,PGLBM
Apr 07 2008 31" 17mmT4	PB,PL,EL,UB,NND,HISB,PAIR=2856,R=G		
NGC 2856	H713-3	Galaxy S?	CF,CS,LE,BM

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NGC 2856		H713-3	Galaxy S?	CF,CS,LE,BM
Apr 07 2008	31"	17mmT4	PB,PL,OVAL,UB,NND,HISB,PAIR=2854,R=G	
NGC 2857			Galaxy SA(s)c	VF,PL,4ST P
Apr 07 2008	31"	17mmT4	DIF,VF,VL,OVAL-R,UB,NND,3F*S ON EDGE,R=F	
NGC 2870		H846-3	Galaxy Sbc	CF,S,E,VGLBM
Apr 14 2004	31"	17mmT4	MF,ML,EL,UB,F* IN TIP,SLT BM,R=G	
NGC 2880		H260-1	Galaxy SB0-	B,CS,R,MBM,AM ST
Apr 14 2004	31"	17mmT4	PB,ML,R,BLNUC,HISB,GRADUADLY MBM,PAIR=PGC26940,R=G	
Mar 15 1985	12.5"	12mm	DIF,PF,VS,OVAL-R,BM,LINE OF F*S TO N,B* OFF TO E	
NGC 2892			Galaxy E+ pec:	PF,PS,R,LBM
Apr 14 2004	31"	17mmT4	MB,ML,R,BLNUC,HISB CNTR,R=G	
NGC 2895			Galaxy SBc	VF,VS,R,VGBM,D*7'S
Apr 14 2004	31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,PAIRS/MAC/PGC27076,*NUC,R=F	
NGC 2950		H68-4	Galaxy (R)SB(r)0^	B,PS,R,VGVMBMN
Apr 14 2004	31"	17mmT4	MF,PS,R,BLNUC,SVRL F*S ON EDGE OF HALO,HISB CNTR,GMBM,R=G	
Mar 15 1985	12.5"	12mm	SAME,PF,VS,BNUC,R,BM,NO *S CLOSE IN	
Oct 16 1982	12.5"	12mm	MF,PS,BNUC,* OFF NW SVRL GLXY DIA,GMBM,OVAL	
Dec 03 1980	12.5"	24mm		
Aug 22 1980	12.5"	24mm		
NGC 2959			Galaxy (R')SAB(rs)ab p	F,PL,R,VGLBM,ST N
Apr 14 2004	31"	17mmT4	MF,ML,BLNUC,PAIR=2961,R=G	
NGC 2961			Galaxy Sb:	CF,S,LE,NF2959
Apr 14 2004	31"	17mmT4	PF,ML,EL,PATCH,UB,NND,PAIR=2959,R=F	
NGC 2976		H285-1	Galaxy SAc pec	B,VL,ME152,ST INV
Apr 14 2004	31"	17mmT4	MB,VL,PATCH,UB,MHISB,V UNIQUE IN APPEARANCE,3*S SUR EDGE,RECT,R=E	
Mar 15 1985	12.5"	16mm	IRR,DIF,PF,VL,EL,PATCH,F* S EDGE BY NUC,UB	
Mar 27 1981	12.5"	24mm		
Dec 03 1980	12.5"	24mm	F* IN OUTER ARM RGN	
Aug 22 1980	12.5"	24mm		
NGC 2985		H78-1	Galaxy (R')SA(rs)ab	VB,CL,R,PSMBM,*INV F
Apr 14 2004	31"	17mmT4	VB,PL,R,BLNUC,MHISB,HISB CNTR,R=E	
Mar 15 1985	12.5"	12mm	PB,MS,BNUC,F*E SIDE,R,VMBM	
Dec 03 1980	12.5"	24mm	F* IN ARM RGN	
Aug 22 1980	12.5"	24mm		
NGC 2998		H717-2	Galaxy SAB(rs)c	PF,PL,E51,BMN,R
Mar 06 2010	31"	17mmT4	PB,PL,EL,UB,NND,HISB,PAIRS=NGC'S,R=G	

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NGC 2998		H717-2	Galaxy SAB(rs)c	PF,PL,E51,BMN,R
Mar 15 1985 12.5"	16mm		NO FIND,CIRCLES GOOD	
NGC 3005			Galaxy Sb	VF,PS,E NNPSSF
Mar 06 2010 31"	17mmT4		MF,ML,EDGE ON,UB,NND,PAIRS=NGC'S,R=F	
NGC 3006			Galaxy Spiral	VF,S,STELLAR
Mar 06 2010 31"	17mmT4		MF,MS,EDGE ON,NND,UB,PAIRS=NGC'S,R=F	
NGC 3008			Galaxy Sb	PF,S,E,*13,14 P1'
Mar 06 2010 31"	17mmT4		MB,MS,EL,*NUC,HISB CENGRAL RGN,PAIRS=NGC'S,R=F	
NGC 3009			Galaxy S?	PF,R,BM,R,P OF 2
Jan 29 2014 36"	17mmT4		MF,MS,R,VFSNUC,R=F	
NGC 3010			Galaxy Triple System	F,PSBM,RR,F OF 2
Jan 29 2014 36"	17mmT4		PF,VS,OVAL,FLNUC,PAIRS=PGC28330;PGC28340,R=F	
NGC 3027		H23-5	Galaxy SB(rs)d:	VF,VL,LE,R
Apr 14 2004 31"	17mmT4		DIF,MF,VL,EL,PATCH,NND,BAR IN GLXY SUSP,CNTR AREA,R=F	
NGC 3031	M81		Galaxy SA(s)ab	EB,EL,E156,GSVMBMBN 2
Apr 09 2023 36"	17mmT4		EB,EL,OVAL,LVBNUC,HISB,BARMS,L AREA ARMS FADE AWAY FROM NUC,VMBM,VHISB MID,FILLS FOV,R=EE	
Jan 29 2014 36"	17mmT4		M81,EB,EEL-OVAL,VBLNUC,HISB,FARMS ARCHING SUR NUC,FILLS FOV,MANY **S IN GLXY,R=E	
Mar 08 2013 36"	17mmT4		MESSIER MARATHON 2013	
Feb 04 2005 31"	17mmT4		EB,EL,EL,BLNUC,HISB,TIGHT CORE,ARMS,R=E	
Apr 14 2004 31"	17mmT4		EF,EL,BLNUC,HISB,M81,R=E	
Mar 19 2004 12.5"	12mmT4		MESSIER MARATHON 2004	
Mar 15 1985 12.5"	16mm		VB,VL,EL,BLNUC,SOFT NUC,VMBM,1F*S TIP,F HALO TO TAPERED ENDS	
Mar 02 1984 10"	20mm		SAME	
Mar 27 1981 12.5"	24mm		MESSIER MARATHON 1981	
Dec 03 1980 12.5"	24mm			
Oct 31 1980 12.5"	24mm			
Oct 29 1980 8"	24mm			
Sep 18 1980 12.5"	24mm			
Sep 10 1980 12.5"	24mm			
Sep 09 1980 12.5"	24mm			
Aug 22 1980 12.5"	24mm			
NGC 3034	M82	H79-4	Galaxy I0 sp	VB,VL,VME(RAY)
Apr 09 2023 36"	17mmT4		EB,EL,EL,HISB,FILLS FOV,BKN PARTS,PATCHES,CNTR RGN SPLIT,BRT HISB PARTS,AWESOME,R=EEE	
Jan 29 2014 36"	17mmT4		M82,EB,EL,EDGE ON,HISB,PATCHES,NUC REG FRAGMENTED,DUST,DETAIL IN ARMS,SN IN ARM ~ 10,5MAG,R=EE	
Mar 08 2013 36"	17mmT4		MESSIER MARATHON 2013	
Feb 04 2005 31"	17mmT4		EB,EL,EDGE ON,HISB,EDGE TO EDGE IN FOV,PATCHY,DUST,NUC BKN,BEST TO DATE,R=E	
Apr 14 2004 31"	17mmT4		EF,EL,HISB,BEST EVER TODATE,NUC AREA PATCHY,DARK AREAS,BRN PARTS,R=E	

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NGC 3034	M82	H79-4	Galaxy I0 sp	VB,VL,VME(RAY)
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Mar 15 1985	12.5" 12mm	SAME,IRR		
Mar 02 1984	10" 20mm	VB,VL,EDGE ON,HISB,B* OFF ONE TIP,DARK PATCHES		
Oct 22 1982	12.5" 12mm	VB,VL,EDGE ON,VHISB,2 DUST LANES DET,B RGN DET,TAPERED,KNTY		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Dec 03 1980	12.5" 24mm			
Oct 31 1980	12.5" 24mm			
Oct 29 1980	8" 24mm			
Sep 18 1980	12.5" 24mm			
Sep 10 1980	12.5" 24mm			
Sep 09 1980	12.5" 24mm			
Aug 22 1980	12.5" 24mm			
NGC 3043		H835-2	Galaxy Sb: sp	CF,PS,LE,VGBM,*10N7'
Apr 14 2004	31" 17mmT4	MB,ML,OVAL,PATCH,UB,MHISB,R=G		
Mar 15 1985	12.5" 16mm	NO FIND,CIRCLES HOT		
NGC 3065		H333-2	Galaxy SA(r)0^	PF,VS,R,BM,*11NR
Mar 06 2003	12.5" 9mmT6	PB,ML,R,BNUC,BLNUC,HISB CNTR,PAIR=3066,R=G		
Mar 15 1985	12.5" 12mm	VF,MS,OVAL,BM,3066 CLOSE BY,F*NE SVRL GLXY DIA		
NGC 3066		H334-2	Galaxy (R')SAB(s)bc p	VF,VS,VGLBM
Mar 06 2003	12.5" 9mmT6	MF,ML,PATCH,UB,NND,PAIR=3065,R=G		
Mar 15 1985	12.5" 12mm	EDIF,VF,MS,PATCHY,UB,NND,SLT BIGGER THAN 3065,PAIR/3065		
NGC 3073		H853-3	Galaxy SAB0-	VF,S,VGLBM
Mar 06 2003	12.5" 9mmT6	PF,PS,OVAL,PATCH,FNUC,PAIR=3079,R=P		
Jan 08 2003	12.5" 9mmT6	MF,MS,BNUC,OVAL,GMBM,B CNTR BULGE,PAIR/3079/PGC28990		
NGC 3077		H286-1	Galaxy I0 pec	CB,CL,MBM,R WITH RAY
Mar 06 2003	12.5" 9mmT6	EB,EL-OVAL,BNUC,HISB,LNUC AREA,MUCH HISB CNTR,R=E		
Mar 15 1985	12.5" 16mm	SAME		
Oct 22 1982	12.5" 12mm	SAME		
Oct 22 1982	12.5" 16mm	MB,ML,BNUC,R-OVAL,HISB,GMBM,LNUC AREA,		
Mar 27 1981	12.5" 24mm			
Dec 03 1980	12.5" 24mm			
Aug 22 1980	12.5" 24mm			
NGC 3079		H47-5	Galaxy SB(s)c sp	VB,L,ME135
Mar 06 2003	12.5" 9mmT6	VB,EL,EDGE ON,MHISB,CNTR BULGE,SBM,DUST LANE SUSP,PAIR=3073,R=E		
Jan 08 2003	12.5" 9mmT6	VB,BL,EDGE ON,DUST DET,SLT BULGE IN CNTR,F* IN TIP,MHISB,PAIR/3073		
Mar 15 1985	12.5" 12mm	PB,PL,F* IN N TIP,SAME *S PRESENT,S PART THICKER THAN N		
Oct 22 1982	12.5" 16mm	MF,ML,EDGE ON,F*N TIP,F*E SIDE,UB,TAPERED,NND		
Dec 03 1980	12.5" 24mm	LOOKS LIKE MINATURE M82		
NGC 3102		H916-3	Galaxy S0-:	VF,VS,R,BM,*11 SP

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NGC 3102	H916-3	Galaxy S0-:	VF,VS,R,BM,*11 SP
Mar 06 2003 12.5" 9mmT6		DIF,PF,PS,PATCH,*NUC,*NUC OR F* DET,R=F	
NGC 3111		Galaxy S0-:	PB,S,R,SMBM*12
Apr 18 2023 36" 17mmT4	MB,MS,R,LBNUC,MHISB	MID,FT HALO ARND NUC,R=FG	
NGC 3135		Galaxy S?	F,S,R,GBM
Apr 18 2023 36" 17mmT4	MF,ML,OVAL,VLFNUC,SBM,R=F		
NGC 3148		Galaxy SB	*7INPHOTOSPHERE2OR3'
Dec 07 2005 31" 17mmT4	EF,VS,PATCH,UB,NEED TO MOVE B*	OUT OFF FOV,AV FIRST THEN HOLDS,R=P	
NGC 3164		Galaxy S?	EF,S,R,VGLBM
Mar 06 2003 12.5" 9mmT6	EDIF,EF,ES,PATCH,AV,SUSP,R=P		
NGC 3168		Galaxy E	F,PSBM,STELLAR,*7,8N
Apr 23 2003 12.5" 9mmT6	VF,VS,PATCH,NND,PAIR=PGC30027,R=P		
NGC 3179		Galaxy S0	S,R,BMN,INLINEW/2*
Apr 18 2023 36" 17mmT4	MB,ML,EL,SBNUC,MHISB,GMBM,R=FG		
NGC 3182	H265-1	Galaxy SA(r)a?	CB,CL,IR,VGBM
Apr 23 2003 12.5" 9mmT6		MB,PL,OVAL,BNUC,SHISB,BLNUC AREA,R=G	
NGC 3184	H168-1	Galaxy SAB(rs)cd	PB,VL,R,VGBM
Apr 18 2023 36" 17mmT4	MB,PL,R,SBNUC,MHISB,FACE ON,SPR ARMS DET,DUST, B PATCHES IN ARMS,F* OFF EDGE,VF* NE CLOSE TO NUC,R=G		
Mar 15 1985 12.5" 16mm	SAME		
Oct 22 1982 12.5" 16mm	DIF,MF,ML,R,PATCHY,B* IN N PART,UB,KNTY STR SUSP,NND		
NGC 3188	H910-3	Galaxy (R)SB(r)ab	VF,PL,R
Dec 07 2005 31" 17mmT4	MF,MS,OVAL,PATCH,UB,NND,VF* OFF ONE SIDE,PAIR=3188A,R=F		
Apr 23 2003 12.5" 9mmT6	VDIF,EF,ES,PATCH,AV,R=P		
Apr 23 2003 12.5" 9mmT6	DIF,VF,VS,FNUC,SLT ,EL DET,HINT OF COMPANION,R=P		
NGC 3188A		Galaxy S?	
Dec 07 2005 31" 17mmT4	EF,ES,PATCH,AV,SUSP,V CLOSE TO NGC3188,R=P		
NGC 3191	H704-3	Galaxy SB(s)bc pec	F,S,R,BM
Mar 25 2020 36" 17mmT4	PB,ML,OVAL,UB,NN,MHISB,CLOSE PAIR=N3192R=G		
NGC 3192	H704-3	Galaxy	EF,VS,(=3191)
Mar 25 2020 36" 17mmT4	MF,MS,OVAL,UB,NND,SHISB,CLOSE PAIR-N3191,R=F		
NGC 3198	H199-1	Galaxy SB(rs)c	PB,VL,ME45,VGBM
Mar 15 1985 12.5" 16mm	SAME		
Oct 22 1982 12.5" 16mm	DIF,MF,PL,EDGE ON,F*NW EDGE,UB,NND,TAPERED TOWARDS ENDS		

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NGC 3198 Dec 03 1980 12.5" 24mm	H199-1	Galaxy SB(rs)c	PB,VL,ME45,VGBM
NGC 3202 Jan 29 2014 36" 17mmT4	H720-2	Galaxy SB(r)a	CF,S,R,VGBM,1ST OF 3
	PB,VL,OVAL,BSNUC,F*	OFF EDGE,E TRIO,PAIRS=3205/3207,R=E	
NGC 3205 Jan 29 2014 36" 17mmT4	H721-2	Galaxy S?	CF,S,R,VGBM,2ND OF 3
	PB,VL,OVAL,BLNUC,F*	JUST OFF EDGE,E TRIO,PAIRS=3202/3207,R=E	
NGC 3206 Apr 23 2003 12.5" 9mmT6 Mar 15 1985 12.5" 16mm	H266-1	Galaxy SB(s)cd	PB,CL,E,VGLBM
	DIF,VF,FL,OVAL-R,PATCH,UB,NND,R=G		
	NO FIND,CIRCLES HOT		
NGC 3207 Jan 29 2014 36" 17mmT4	H722-2	Galaxy S?	CF,S,R,STELLAR,3 OF 3
	VB,PL,OVAL,BNUC,MBM,E TRIO,PAIRS=3202/3205,R=E		
NGC 3214 Apr 23 2003 12.5" 9mmT6		Galaxy SA0/a:	CB,VS,R,SBM,5'P3220
	VF,PS,OVAL,PATCH,FNUC,R=F		
NGC 3220 Apr 23 2003 12.5" 9mmT6	H911-3	Galaxy Sb: sp	PF,CL,E92,*9F9.5'
	DIF,VF,ML,EDGE ON,VFNUC,AV,BLINKING GLXY,*NUC,COMES AND GOES,R=F		
NGC 3225 Apr 23 2003 12.5" 9mmT6 Jan 08 2003 12.5" 9mmT6	H882-2	Galaxy Scd:	CF,PL,LE,VGBM
	DIF,MF,PL,EL,PATCH,NND,SHISB,F* OFF ONE SIDE,R=F		
	DIF,PF,MS,FNUC,OVAL,SBM,F* ON EDGE,L CNTR RGN		
NGC 3231 Apr 18 2023 36" 17mmT4		Open Cluster cluster?	CL,CL,P,LC,*10...12
	(IV 1 p),VB,VL,FILLS FOV,LOOSELY SC,LTL CL,R=F		
NGC 3236 Feb 04 2005 31" 17mmT4		Galaxy E/S0	EF,VS,PSBM,2*11,12 F
	PF,PS,R,FSNUC,R=F		
NGC 3237 Feb 25 1982 12.5" 16mm	H631-3	Galaxy (R)SAB0^	VF,VS,R,PGBM
	DIF,MF,MS,FNUC,R,SBM,NUC DET,SVRL *S SC N TO S		
NGC 3238 Feb 04 2005 31" 17mmT4	H883-2	Galaxy SA(r)0^:	F,S,R,PSLBM
	PF,MS,OVAL,BSNUC,SHISB,BAR SUSP,PAIR=PGC30649,R=G		
NGC 3259 Feb 04 2005 31" 17mmT4 Mar 15 1985 12.5" 16mm	H870-2	Galaxy SAB(rs)bc:	F,S,R,GBM
	MB,ML,FLNUC,SHISB,SOFT NUC,R=G		
	EDIF,VF,VS,PATCHY,UB,NND,NO *S		
NGC 3264 Feb 04 2005 31" 17mmT4		Galaxy SBdm:	EF,BET 2S*
	MF,PL,OVAL,PATCH,UB,*S OPPOSITE ENDS,R=F		
NGC 3266 Feb 04 2005 31" 17mmT4	H871-2	Galaxy SAB0^?	CF,VS,R,PSMBM*
	PB,MS,OVAL,BLNUC,MHISB CNTR,R=G		

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NGC 3286 Feb 04 2005 31" 17mmT4	H917-3 MF,MS,BSNUC,GMBM,SHISB CNTR,PAIR=3288,R=G	Galaxy E?	VF,PS,R,PSLBM
NGC 3288 Feb 04 2005 31" 17mmT4	H918-3 MF,MS,OVAL,PATCH,UB,NND,PAIR=3286,R=F	Galaxy SABbc:	EF,CS,R,VGLBM
NGC 3298 Feb 05 2005 31" 17mmT4	H767-3 MB,MS,OVAL,BLNUC,SLT HISB CNTR,R=G	Galaxy E/S0	VF,PS,IE
NGC 3310 Mar 15 1985 12.5" 12mm Oct 22 1982 12.5" 12mm Oct 22 1982 12.5" 16mm Dec 03 1980 12.5" 24mm	H60-4 SAME SAME MB,MS,HISB,R,SBM,FORMS TRI WITH 2F**S,B* IN FIELD	Galaxy SAB(r)bc pec	CB,PL,R,VG,VSMBMN
NGC 3319 Mar 15 1985 12.5" 24mm	H700-3 EDIF,EF,MS,OVAL,UB,*S OFF TO ONE SIDE	Galaxy SB(rs)cd	CF,L,IE,MB,S OF M
NGC 3320 Mar 15 1985 12.5" 12mm	H745-2 EDIF,VF,VS,EL,PATCHY,NND,VF* IN S TIP,EL N TO S,B* TO N SVRL GLXY DIA,SN	Galaxy Scd:	F,PS,ME,*10NF
NGC 3348 Mar 15 1985 12.5" 12mm	H80-1 PB,MS,BNUC,DBL NUC,F* NEXT TO *NUC,R,BM	Galaxy E0	B,S,ILE,PSBM,*11F21S
NGC 3353 Apr 12 2023 36" 17mmT4 Mar 15 1985 12.5" 12mm	H842-3 VF,VS,PATCH,AV COMES AND GOES THEN HOLDS,AGC 1185,R=P MF,PS,BNUC,R,GBM,F* CLOSE BY,LOC IN BARREN * FIELD	Galaxy Sb? pec	F,CS,R,PGBM,*S90"
NGC 3359 Mar 15 1985 12.5" 16mm Mar 15 1985 12.5" 24mm	H52-5 OVAL,PATCH,UB,*NUC DET DIF,MF,PL,L DISFUSE PATCH IN BARREN AREA	Galaxy SB(rs)c	PB,L,E0,GLBM
NGC 3364 Feb 05 2005 31" 17mmT4	H318-3 PF,VL,OVAL,UB,NND,SHISB,PAIRS=PGC32218/MAC'S,R=G	Galaxy SAB(rs)c	VF,L,R,VGBM,R,D*SF
NGC 3374 Mar 21 2020 36" 17mmT4	H701-3 PB,PK,OVAL,NND,MHISB,PAIR=PGC32265,R=FG	Galaxy SBc	VF,CS,IR
NGC 3392 Feb 05 2005 31" 17mmT4	H881-3 PB,MS,R,BSNUC,MHISB CNTR,PAIR=3394,R=G	Galaxy E?	VF,S,PSBM,ST NR
NGC 3394 Feb 05 2005 31" 17mmT4	H872-2 MB,VL,OVAL,UB,NND,SHISB,PAIR=3392,R=G	Galaxy SA(rs)c	CF,S,LE,VGBM
NGC 3398 Apr 18 2023 36" 17mmT4 Feb 05 2005 31" 17mmT4	H792-3 VF,VS,PATCH,VSNUC,PAIRS=IC644/PGC32587,R=P MF,MS,OVAL,FLNUC,PAIRS=IC644/OTHERS,R=F	Galaxy SA:(s:)b?	VF,S,E,ER

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NGC 3406		Galaxy E	PB,R,PGBM
Feb 05 2005 31"	17mmT4	MF,MS,BLNUC,SHISB,2 HALVES,2 NUC,GBM,IRR,PAIRS=3410/MAC'S,R=G	
NGC 3407		H919-3	Galaxy S0-:
Feb 05 2005 31"	17mmT4	MF,PS,EL,FLNUC,BM,SHISB CNTR,R=F	VF,VS,R,VS*NR
NGC 3408		H913-3	Galaxy Sc:
Feb 05 2005 31"	17mmT4	PF,ML,OVAL-R,SHISB,L PATCHY NUC,SLT BM,R=G	VF,CS,R,2PB*S
NGC 3410		Galaxy S?	F,PS,DIF,2'SF3406
Feb 05 2005 31"	17mmT4	VF,MS,OVAL,UB,NND,PAIRS=3406/MAC'S,R=F	
NGC 3415		H718-2	Galaxy SA0+:
Apr 18 2023 36"	17mmT4	MB,MF,EL-OVAL,LBNUC,MHISB,HISB MID,GRAN HALO,PAIR=N3416,R=FG	PB,S,VLE,STELL,3S*NR
Mar 15 1985 12.5"	16mm	NO FIND,CIRCLES HOT	
NGC 3416		Galaxy S?	EF,(F*),N OF3415
Apr 18 2023 36"	17mmT4	VF,PS,PATCH,PAIR=N3415,R=P	
NGC 3435		H887-2	Galaxy Sb
Feb 05 2005 31"	17mmT4	MF,MS,PATCH,FSNUC,R=F	CF,PS,LE,VGBM
NGC 3440		H914-3	Galaxy SBb? sp
Feb 05 2005 31"	17mmT4	MF,MS,EL,FLNUC,R=F	VF,S,LE
NGC 3445		H267-1	Galaxy SAB(s)m
Feb 05 2005 31"	17mmT4	PB,ML,OVAL,PATCH,UB,NND,MHISB,PAIR=PGC32784,R=G	CB,PL,IR,VGLBM,*NF2'
Mar 15 1985 12.5"	16mm	DIF,PF,MS,BNUC,MHISB,OVAL-R,F* CLOSE BY,UB,3458 IN SAME FOV	
NGC 3448		H233-1	Galaxy I0
Apr 07 2008 31"	17mmT4	VF,VL,EL,BLNUC,HISB,GOOD DEF,DUST AREA DET,CNTR BULGE,BKN,R=E	B,PL,ME67,GBM
Mar 15 1985 12.5"	16mm	DIF,VF,MS,EDGE ON,UB,SLT EL,NND,BET A TRI OF VF*S	
NGC 3458		H268-1	Galaxy SAB0:
Mar 15 1985 12.5"	16mm	MF,PS,BNUC,R,BM,*NUC,3445 IN SAME FOV	VB,VS,R,STELLAR
NGC 3468		H632-3	Galaxy S0
Mar 21 2020 36"	17mmT4	PB,PL,OVAL,BLNUC,MHISB,HALO,GMBM,HISB CNTR,R=G	F,ES,R,BM
NGC 3470		H888-2	Galaxy SA(r)ab:
Feb 05 2005 31"	17mmT4	MF,MS,OVAL,FLNUC,PAIR=PGC33043,R=F	VF,S,R,VGBM
NGC 3471		H972-3	Galaxy Sa
Feb 04 2005 31"	17mmT4	MB,PL,EL,FLNUC,MHISB CNTR,PAIR=PGC33071,R=G	VF,S,R,BM
NGC 3478		H705-3	Galaxy SB(rs)bc
Mar 15 1985 12.5"	16mm	EEDIF,EF,MS,2F*S TO S,PATCHY,UB,NND	EF,S,R

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NGC 3488		H269-1	Galaxy SB(s)c:	EF OR CB,VLE,PS,*13S
Apr 03 2005 31"	17mmT4	PB,ML,OVAL,FLNUC	SUSP,SMWHT BM,R=G	
NGC 3499		H793-3	Galaxy I0?	VF,VS,STELLAR
Apr 03 2005 31"	17mmT4	MB,PS,R,BSNUC,MHISB	CNTR,R=G	
NGC 3516		H336-2	Galaxy (R)SB(s)0^:	PB,VS,IR,PSMBM*
Mar 15 1985 12.5"	12mm	PF,PS,R,BM,F*	CLOSE BY SVRL GLXY DIA	
NGC 3517		H884-2	Galaxy SAb:	EF,S,R,VGBM
Apr 03 2005 31"	17mmT4	MF,PS,R,BSNUC,COMP=PGC33526,	R=F	
NGC 3527		H350-3	Galaxy (R)SB(r)ab:	EF,S,*10P60"
Feb 21 2020 36"	17mmT4	MF,MS,OVAL,PATCH,NND,PAIR=PGC33640,	R=F,TIME 12:43AM	
NGC 3530		H915-3	Galaxy S?	VF,S,R,PGBM
Apr 03 2005 31"	17mmT4	MF,PS,EL-EDGE ON,BSNUC,SUDDENDLY	MBM,PAIR=MAC,R=F	
NGC 3536			Galaxy SB?	F,S,R,BM
Apr 18 2023 36"	17mmT4	MF,MS,OVAL-R,SBNUC,SBM,	R=PF	
NGC 3539			Galaxy S?	EF
Apr 18 2023 36"	17mmT4	MF,MS,EL,LFNUC,SHISB,	R=F	
NGC 3540			Galaxy SB0	VF,R,PSBM,*7P7'
Apr 18 2023 36"	17mmT4	MF,ML,EL-OVAL,LBNUC,	R=FG	
NGC 3542			Galaxy S?	VF,S,IRRR,LBM,R
Apr 18 2023 36"	17mmT4	PF,PS,PATCH,VLFNUC,PAIRS=N3545A/B/PGC53856,	R=F	
NGC 3543		H920-3	Galaxy S	EF,VS,E0,R
Apr 03 2005 31"	17mmT4	PF,PS,EDGE ON,UB,NND,CNTR	BULGE,R=F	
NGC 3545A			Galaxy E	VF,VS,IRRR,LBM,R
Apr 18 2023 36"	17mmT4	MF,PS,R,COMP=N3545B,BARELY	SEP,PAIRS=N354B/N3542/PGC53856,R=F	
NGC 3545B			Galaxy E	
Apr 18 2023 36"	17mmT4	MF,PS,R,*NUC,COMP=N3545A,BARELY	SEP,PAIRS=N3545A/N3542/PGC53856,R=F	
NGC 3549		H220-1	Galaxy SA(s)c:	CB,CL,CE160
Mar 15 1985 12.5"	16mm	DIF,MF,PL,EL,PATCH,UB,NND		
NGC 3550		H351-3	Galaxy Pec	F(VAR),S,R,BM,10F4
Apr 12 2023 36"	17mmT4	MF,ML,OVAL,LFNUC,SMBM,MHISB	MID,AGC 1185K,R=FG	
Feb 21 2020 36"	17mmT4	MB,ML,OVAL,PATCH,NND,BTEST	IN AGC,PAIR=N3552,R=G,TIME 12:47AM	
Mar 16 2009 31"	17mmT4	MF,PL,R,BLNUC,GRAD	BM,HISB CNTR,AGC,R=F	
Apr 09 2008 31"	17mmT4	PB,PL,OVAL,BLNUC,GMBM,MHISB	CNTR,PAIRS=AGC1185,R=F	

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NGC 3552		H352-3	Galaxy E	EF,VS,2ND OF 4
Feb 21 2020 36"	17mmT4	MF,MS,OVAL,FLNUC,MANY OTHER GX PRESENT,PAIR=N3550,R=F,TIME 12:52AM		
Mar 16 2009 31"	17mmT4	MF,PS,R,BLNUC,MHISB CNTR,AGC,R=F		
Apr 09 2008 31"	17mmT4	PF,PS,OVAL,FLNUC,SHISB CNTR,PAIRS=AGC1185,R=F		
NGC 3553			Galaxy E	EF,VS,DNEB W/3552
Mar 16 2009 31"	17mmT4	VF,VS,PATCH,AGC,R=P		
Apr 09 2008 31"	17mmT4	EDIF,EF,ES,PATCH,THE WORST NGC TO DATE,AV,PAIRS=AGC1185,R=P		
NGC 3554			Galaxy E	VF,PS,R,BM,3RD OF 4
Apr 12 2023 36"	17mmT4	MF,PS,OVAL,SBNUC,AGC 1185,R=F		
Mar 16 2009 31"	17mmT4	MF,PS,R,BLNUC,MHISB CNTR,AGC,R=F		
Apr 09 2008 31"	17mmT4	PF,PS,OVAL,FSNUC,PAIRS=AGC1185,R=F		
NGC 3556	M108	H46-5	Galaxy SB(s)cd sp	CB,VL,VME79,PBM,R
Mar 08 2013 36"	17mmT4	MESSIER MARATHON 2013		
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Dec 26 2003 31"	17mmT4	VB,EL,EDGE ON,NND,MHISB,3*S IN GLXY,H2 RGN DET,DUST DET,PATCHY ARMS DET,E		
Mar 15 1985 12.5"	12mm	MB,PL,EDGE ON,F*N EDGE,B*CNTR,MHISB,KNTY STR SUSP,E!!!		
Mar 02 1984 10"	20mm	SAME		
Oct 22 1982 12.5"	16mm	DIF,MB,VL,F*N EDGE,EDGE ON,UB,LG,NND		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
Oct 31 1980 12.5"	24mm			
Sep 18 1980 12.5"	24mm			
Sep 10 1980 12.5"	24mm			
May 07 1980 5"	9mm			
Apr 16 1980 6"	24mm	IN SAME FOV WITH M97		
NGC 3558			Galaxy S?	PF,S
Apr 12 2023 36"	17mmT4	MF,PS,OVAL,SBNUC,AGC 1185,R=F		
Mar 16 2009 31"	17mmT4	MB,ML,R,BLNUC,MHISB CNTR,AGC,R=G		
Apr 09 2008 31"	17mmT4	MF,MS,OVAL-R,FLNUC,PAIRS=AGC1185,R=F		
NGC 3561A			Galaxy S0^:pec	VF,VL,4 OF 4
Apr 12 2023 36"	17mmT4	MF,MS,PATCH,LFNUC,AGC 1185,R=F		
Mar 16 2009 31"	17mmT4	MB,ML,R,LB NUC,SHISB CNTR,AGC,R=G		
Apr 09 2008 31"	17mmT4	PF,MS,OVAL,PATCH,NND,PAIRS=AGC1185,R=F		
Apr 07 2008 31"	17mmT4	MF,MS,OVAL,UB,NND,AGC,MANY OTHERS PRESENT,R=G		
NGC 3561B			Galaxy SA(r)a pec	VF,PL,4TH OF 4
Apr 12 2023 36"	17mmT4	MF,MS,PATCH,LFNUC,TOUCH=PGC33944,AGC 1185,R=F		
Mar 16 2009 31"	17mmT4	MB,ML,R,LB NUC,HISB CNTR,AGC,R=G		
Apr 09 2008 31"	17mmT4	PF,MS,OVAL,FLNUC,PAIRS=AGC1185,R=F		
Apr 07 2008 31"	17mmT4	MF,MS,FSNUC,AGC,MANY OTHERS PRESENT,R=G		
NGC 3577		H723-3	Galaxy SB(r)a	EF,VS,P OF 2
Mar 25 2020 36"	17mmT4	MF,MS,EL,UB,NND,SHISB,PAIR=3583,R=FG		

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NGC 3583		H728-2	Galaxy SB(s)b	PB,PL,R,VGMBM
Mar 25 2020 36"	17mmT4		VB,PL,OVAL-R,SBNC,HISB,FACE ON,SVBM,SPR ARMS IN A RING SUR NUC,GRAINY ARMS,PAIR=N3577,R=E	
Mar 21 2020 36"	17mmT4		VB,VL,OVAL-R,BSNUC,MHISB,GRAN ARMS,PATCHY,SPR STR SUSP,PAIR=3357,R=E	
Mar 15 1985 12.5"	12mm		PB,MS,R,SBM,MHISB,B*S SUR OBJ	
NGC 3587	M97		Planetary Neb 3a	PLN,VB,VL,R,VVG,VSBM
Mar 08 2013 36"	17mmT4		MESSIER MARATHON 2013	
Mar 16 2009 31"	17mmT4		EB,EL,CNTR* DET ~15TH MAG,DARK PATCHES,BKN EDGES,GREYISH GREEN,R=E	
Mar 16 2009 31"	17mmT4		EB,EL,W/OIII,LOOSE CNTR*,DOESNOT HELP MUCH,LTL MORE DARK PATCHES DET,R=E	
Feb 04 2005 31"	17mmT4		OIII,VB,EL-OVAL,HISB,2 DARK PATCHES,CNTR *,BEST TO DATE,PATCHY AREAS,DET,R=E	
Mar 19 2004 12.5"	12mmT4		MESSIER MARATHON 2004	
Dec 26 2003 31"	17mmT4		PB,VL,MHISB,CNTR *,DARK PATCHES,EDGES FRAILED,ANOTHER F* OFF CNTR,R=E	
Mar 15 1985 12.5"	12mm		VR,DARK PATCHES DET,BG COLOR,BEST VIEW EVER!!!	
Mar 15 1985 12.5"	16mm		SAME,EB,VL	
Mar 02 1984 10"	20mm		MB,ML,R,B* OFF ONE SIDE,UB WITH SOME DARK AREAS	
Mar 27 1981 12.5"	24mm		MESSIER MARATHON 1981	
Oct 31 1980 12.5"	24mm			
Sep 18 1980 12.5"	24mm			
Sep 10 1980 12.5"	24mm			
May 07 1980 5"	9mm			
Apr 18 1980 6"	24mm			
Apr 16 1980 6"	24mm		IN SAME FOV WITH M108	
NGC 3589		H921-3	Galaxy Sd:	VF,L,E,VGBM,INTRILST
Apr 03 2005 31"	17mmT4		PF,VL,EL-EDGE ON,UB,NND,L EDGE ON PATCH BESIDE TRI OF B*S,R=G	
NGC 3594		H770-3	Galaxy SB0:	VF,VS,STELLAR
Apr 03 2005 31"	17mmT4		PF,ML,OVAL,FLNUC,SMWHT BM,PAIR=PGC34356,R=G	
NGC 3595		H706-3	Galaxy E?	VF,VS,VLE,STELLAR,*N
Mar 21 2020 36"	17mmT4		VF,PS,EL,BLNUC,HISB,B* CLOSE BY,VMBM,R=G	
NGC 3600		H709-2	Galaxy Sa?	PF,S,LE0,VGBM
Mar 21 2020 36"	17mmT4		MB,PL,EL,EDGE ON,VFLNUC,SHISB,R=G	
NGC 3610		H270-1	Galaxy E5:	VB,PS,LE90,VSVMBMSN
Mar 15 1985 12.5"	12mm		PB,MS,BNUC,R,BM,SLT TAPERED DET	
Oct 22 1982 12.5"	16mm		PB,MS,BNUC,R,GMBM	
NGC 3613		H271-1	Galaxy E6	VB,CL,ME305,SMBMN
Mar 15 1985 12.5"	12mm		PB,PS,BNUC,OVAL,SBM,PAIR/3619	
Oct 22 1982 12.5"	16mm		MB,PS,BNUC,R,BSNUC,GBM,PAIR/3619	
NGC 3614		H729-2	Galaxy SAB(r)c	F,PL,LE90,GLBM,R
Mar 15 1985 12.5"	16mm		DIF,PF,PL,OVAL-PATCHY,B* TO N,TRI F*S SUR OBJ	

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NGC 3619		H244-1	Galaxy (R)SA(s)0+:	CB,CL,R,VGMBM
Mar 15 1985	12.5" 12mm		PF,MS,PATCHY,SNUC,FTR THAN 3613,PAIR/3613	
Oct 22 1982	12.5" 16mm		R,DIF,MF,PS,FUZZY,SBM	
NGC 3622		H879-2	Galaxy S?	PB,S,R,GBM
Apr 03 2005	31" 17mmT4		MF,MS,OVAL,UB,NND,SHISB,R=G	
NGC 3625		H885-2	Galaxy SAB(s)b:	F,S,LE135
Apr 03 2005	31" 17mmT4		MB,PL,OVAL,UB,SHISB,PAIRS=PGC/MAC,R=G	
NGC 3631		H226-1	Galaxy SA(s)c	PB,L,R,SVMBMRN
Mar 15 1985	12.5" 16mm		MB,ML,FNUC,FACE ON,SBM,SNUC,SPR STR DET,2 *S OUTER ARMS	
Oct 22 1982	12.5" 16mm		DIF,VF,MS,PATCHY,OVAL,*NUC	
NGC 3642		H245-1	Galaxy SA(r)bc:	PB,PL,R,VGBM
Mar 15 1985	12.5" 16mm		DIF,PF,PS,OVAL-PATCHY,SBM	
NGC 3652		H775-2	Galaxy Scd?	PF,CL,LE,VGBM
Apr 26 2006	31" 17mmT4		MF,PL,OVAL,FLNUC,MHISB CNTR,SOME PATCHY AREAS DET,PAIR=MAC,R=G	
NGC 3654		H880-2	Galaxy S?	F,S,LE15
Apr 03 2005	31" 17mmT4		MB,PS,OVAL,SHISB,SMWHT BM,R=G	
NGC 3656		H782-2	Galaxy (R')I0: pec	PB,S,R,VGBM,*12P
Apr 03 2005	31" 17mmT4		PB,ML,R,UB,NND,MHISB,CLOSE COMP=PGC34985,PAIRS=PGC'S/MAC,R=G	
NGC 3657		H768-3	Galaxy SAB(rs)c pec	CF,VS,R,STELLAR
Apr 03 2005	31" 17mmT4		MF,PS,R,BSNUC,MHISB CNTR,GMBM,R=G	
NGC 3658		H59-4	Galaxy SA(r)0^:	F,S,R,SVMBMN=*14MAG
Mar 21 2020	36" 17mmT4		VB,ML,OVAL,BLNUC,HISB,GRAN HALO,HISB CNTR,VMBM,R=G	
NGC 3665		H219-1	Galaxy SA(s)0^	CB,CL,IR,PGMBM
Mar 15 1985	12.5" 16mm		MF,MS,FNUC,BSNUC,F* TO N,MHISB,LNUC RGN	
Oct 22 1982	12.5" 16mm		MB,ML,DNUC,OVAL,MHISB TOWARDS CNTR,LNUC AREA	
NGC 3668		H845-2	Galaxy Sbc	F,PS,IR,GBM,*9NP
Apr 03 2005	31" 17mmT4		PB,PL,OVAL-R,BSNUC,COMP NOT DET,VF* IN EDGE,GBM,HISB CNTR,FARMSSUSP,R=G	
NGC 3669		H829-2	Galaxy SBcd: sp	VF,PL,PME135,ER
Apr 03 2005	31" 17mmT4		MF,PL,EDGE ON,UB,NND,NO NUC,NO CNTR BULGE,R=E	
NGC 3671		H922-3	Galaxy C	VF,VS,2VS*INV
Dec 07 2005	31" 17mmT4		PF,PS,OVAL,UB,NND,VF* IN EDGE OF GLXY,R=F	
NGC 3674		H886-2	Galaxy S0 sp	PF,IF
Apr 03 2005	31" 17mmT4		MB,MS,EL-EDGE ON,BSNUC,GMBM,MHISB CNTR,PAIR=MAC,R=G	

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NGC 3674 Mar 15 1985 12.5" 16mm	H886-2 COMP TO SE = 3683,NO DESC GIVEN	Galaxy S0 sp	PF,IF
NGC 3675 Mar 15 1985 12.5" 16mm Oct 22 1982 12.5" 16mm	H194-1 SAME,PB,ML,BNUC,F*N TIP,CIGAR SHAPE,MHISB,BM MB,ML,EL,BNUC,F* IN N TIP,BIG BNUC,GMBM	Galaxy SA(s)b	VB,CL,VME0,VSMBMN
NGC 3683 Mar 15 1985 12.5" 16mm	H246-1 DIF,PF,PS,EL,UB,NND,NO *S,COMP TO NW = 3674	Galaxy SB(s)c?	CB,PL,E
NGC 3683A Apr 03 2005 31" 17mmT4	H246-1 PB,PL,OVAL,UB,NND,B* OFF EDGE,SHISB,R=G	Galaxy SB(rs)c	
NGC 3687 Mar 15 1985 12.5" 16mm	H770-2 DIF,PF,PS,OVAL,PATCH,NND	Galaxy (R')SAB(r)bc?	PB,PS,R,LBM,R
NGC 3690 Apr 07 2008 31" 17mmT4 Apr 03 2005 31" 17mmT4 Mar 15 1985 12.5" 16mm	H247-1 VB,PL,OVAL,UB,NND,HISB,PAIRS-IC694/PGC35345,R=G VB,ML,OVAL-R,UB,NND,HISB,INTRACT=IC694,PAIRS=PGC/MAC,R=G PF,PS,SLT EL2 NUC DET,INTRACT GLXY = IC 694,MHISB!!	Galaxy IBm pec	PB,PS,VLE80,PGBM
NGC 3712 Apr 07 2008 31" 17mmT4	H247-1 EF,MS,EL,PATCH,UB,NND,AV BARELY HOLDS,R=P	Galaxy SB?	F,VS,R,SMBM
NGC 3714 Feb 21 2020 36" 17mmT4	H353-3 MF,MS,EL-OVAL,UB,NND,SHISB,R=F,TIME 1:01AM	Galaxy I?	F,S,R,PSBM
NGC 3718 Feb 23 2006 31" 17mmT4 Mar 15 1985 12.5" 16mm Oct 22 1982 12.5" 24mm	H221-1 VB,EF,BLNUC,F* CLOSE TO NUC IN GLXY,PATCHY,ARMS SUSP,H2 RGN,PAIR=MAC,R=E PF,VL,SPR ARMS DET,B BAR,VR,FACE ON,2B*S TO S,PAIR/3729 MB,ML,2F*S IN S PART,OVAL,NND,PAIR/3729	Galaxy SB(s)a pec	PB,VL,R,VGLBM
NGC 3725 Apr 04 2005 31" 17mmT4	H836-2 MB,ML,OVAL,BSNUC,SLT HISB CNTR,PAIR=PGC35626,R=G	Galaxy SBc	CF,S,R,GVLBM,R
NGC 3726 Mar 15 1985 12.5" 16mm Oct 22 1982 12.5" 24mm	H730-2 DIF,MF,VL,F* ON N EDGE,UB,SOME KNTY STR SUSP MB,PL,UB,OBLONG,F* IN N TIP,NND	Galaxy SAB(r)c	PB,VL,LE0,VSMBM,*11N
NGC 3729 Feb 23 2006 31" 17mmT4 Mar 15 1985 12.5" 16mm Oct 22 1982 12.5" 24mm	H222-1 VB,VL,OVAL,BSNUC,HISB,ARMS,PATCHY AREAS,B BAR LIKE NUC W/BULGE,COMP=MAC,* ON EDGE,R=E MB,ML,BTR THAN 3718,MHISB,B* ON S EDGE,UB,PAIR/3718 VF,ML,OVAL,NND,MHISB,F* IN S PART,PAIR/3718	Galaxy SB(r)a pec	PB,PL,LE0,GBM,*12NR
NGC 3733 Apr 04 2005 31" 17mmT4	H771-3 PF,VL,OVAL,PATCH,UB,NND,B* IN FOV CLOSE BY,SVRL OTHERS PRESENT,R=F	Galaxy SAB(s)cd:	EF,S,IR,*6MSF

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NGC 3737 Apr 04 2005 31" 17mmT4	H772-3 PB,MS,EL,BSNUC,PAIRS=PGC35811/MAC'S,R=G	Galaxy SB0	VF,STELLAR
NGC 3738 Mar 15 1985 12.5" 16mm	H783-2 PF,PL,OVAL,MHISB,UB,PAIR/3756	Galaxy Im	PB,PL,BM
NGC 3740 Apr 04 2005 31" 17mmT4	H847-3 MF,ML,OVAL,UB,NND,SHISB,R=G	Galaxy S	VF,VS,R,VGBM
NGC 3755 Apr 12 2023 36" 17mmT4	H847-3 MF,ML,OVAL,UB,NND,SHISB,R=FG	Galaxy SAB(rs)c pec	EF,PL,PME,GBM
NGC 3756 Mar 15 1985 12.5" 16mm	H784-2 PF,PL,OVAL,MHISB,UB,PAIR/3738	Galaxy SAB(rs)bc	PF,L,LE
NGC 3757 Apr 04 2005 31" 17mmT4	H843-3 PB,MS,OVAL,BLNUC,HISB CNTR,R=G	Galaxy S0?	VF,R,STELLAR,VS*1DSF
NGC 3759 Apr 04 2005 31" 17mmT4	H843-3 MB,ML,EL,BLNUC,PAIR=IC2943,R=G	Galaxy SAB0^:	F,S,IR,*11NR
NGC 3759A Apr 04 2005 31" 17mmT4	H843-3 MF,ML,OVAL,FSNUC,SHISB,PAIR=MAC,R=F	Galaxy SABc pec	
NGC 3762 Apr 04 2005 31" 17mmT4	H837-2 PB,MS,EDGE ON,BLNUC,CNTR BULGE,HISB CNTR,SBM,R=G	Galaxy Sa	F,VLE,GBM
NGC 3769 Apr 09 2008 31" 17mmT4 Mar 15 1985 12.5" 16mm	H731-2 VB,VL,EL-EDGE ON,UB,NND,MHISB,INTRACT=3769A,TIPS TOUCH,R=E PF,MS,EL,UB	Galaxy SB(r)b:	PB,S,PME
NGC 3769A Apr 09 2008 31" 17mmT4	H731-2 PF,MS,EL,UB,NND,INTRACT=3769,TIPS TOUCH,R=F	Galaxy SBm pec:	
NGC 3770 Apr 04 2005 31" 17mmT4	H838-2 MB,PS,R,BSNUC,SBM,MHISB CNTR,R=G	Galaxy SBa	PF,S,R,GBM,R
NGC 3780 Apr 12 2023 36" 17mmT4 Mar 15 1985 12.5" 16mm	H227-1 MB,PL,OVAL-R,LFNUC,MHISB,SPR STR SUSP,VF* S EDGE,R=FG DIF,MF,PL,F* E TIP,NND,UB,OVAL,PATCH	Galaxy SA(s)c:	PF,L,VLE,VGBM,R
NGC 3782 Mar 15 1985 12.5" 16mm	H732-2 EDIF,VF,VS,EMBEDDED IN 2F*S,UB,PATCHY,CAN BARELY DET GLOW BET *S	Galaxy SAB(s)cd:	F,S,ATT TO*15,*INV
NGC 3786 Apr 09 2008 31" 17mmT4	H732-2 PB,ML,EL,INTRACT=3788 AT TIPS,MBM,MHISB CNTR,R=G	Galaxy SAB(rs)a pec	PB,PL,E57,GBM,P OF 2

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NGC 3788		Galaxy SAB(rs)ab pec	CB,PL,PME177,PGBM
Apr 09 2008 31"	17mmT4	PB,ML,EL-EDGE ON,PATCH,UB,NND,SHISB,INTRACT=3786 AT TIP,BKN,F* EDGE,R=G	
NGC 3793		Galaxy Sc	VS,F3788
Apr 09 2008 31"	17mmT4	VF,VS,PATCH,UB,NND,VF* EDGE,2ND WORST NGC TO DATE,PAIRS=3786/3788,R=P	
NGC 3794		H773-3	Non-Existent
Apr 12 2023 36"	17mmT4	MB,ML,OVAL,UB,NND,MHISB,F* W EDGE,R=FG	CF,PS,VS* VNR
NGC 3795		H844-3	Galaxy S
Apr 04 2005 31"	17mmT4	MF,MS,EDGE ON,UB,NND,CIGAR SHAPE,R=G	VF,S,ME
NGC 3796		H839-2	Galaxy S?
Apr 04 2005 31"	17mmT4	MB,MS,EL-OVAL,BLNUC,HISB CNTR,R=G	F,CS,R,MBM
NGC 3804		H830-2	Galaxy SAB(s)d
Apr 04 2005 31"	17mmT4	MF,PL,OVAL,UB,NND,SHISB,* ON EDGE,PATCHY AREAS,R=F	PB,E
NGC 3809		Galaxy S0	PB,S,R,GLBM
Dec 07 2005 31"	17mmT4	PB,PS,R,BLNUC,HISB CNTR,BM,R=G	
NGC 3811		H737-2	Galaxy SB(r)cd:
Mar 25 2020 36"	17mmT4	PB,ML,OVAL-R,BSNUC,HISB,GRAINY MHISB HALO,SPR STR SUSP,R=G	F,S,VLE,GLBM
NGC 3813		H94-1	Galaxy SA(rs)b:
Mar 15 1985 12.5"	16mm	PF,PS,EL-EDGE ON,E-W,F*S AT BOTH TIPS,UB,NND,TAPERED ENDS	CB,PL,PME90,BM
Feb 12 1983 12.5"	16mm	MF,PS,EL,F*E TIP,UB,NND,VF*W TIP SUSP	
NGC 3824		H774-3	Galaxy SA(s)a? sp
Dec 07 2005 31"	17mmT4	PB,ML,EL,BLNUC,HISB CNTR,BM,R=G	VF,CS,PME
NGC 3829		H775-3	Galaxy SB(s)b:
Dec 07 2005 31"	17mmT4	PF,MS,R,PATCH,UB,NND,R=P	VF,VS
NGC 3835		Galaxy Sab: sp	PB,E,GBM,**8SF 5'
Dec 07 2005 31"	17mmT4	PB,ML,EDGE ON,BSNUC,CNTR BULGE,MHISB CNTR,R=G	
NGC 3838		H831-2	Galaxy SA0/a?
Dec 07 2005 31"	17mmT4	VB,ML,EL,BLNUC,HISB CNTR,BM,R=G	PB,CS,E,PSBM*12
NGC 3846		Galaxy SAc:	F,PL,R,VGBM
Feb 23 2006 31"	17mmT4	MF,MS,OVAL,PATCH,SMWHT BM,SHISB,PAIRS=MAC'S,R=G	
NGC 3846A		Galaxy SB(s)m:	
Feb 23 2006 31"	17mmT4	PB,PL,EL-OVAL,PATCH,UB,NND,MHISB,PAIR=PGC36463,R=G	
NGC 3850		H776-3	Galaxy SB(s)c:
			EF,PL,LE

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NGC 3850 Feb 23 2006 31" 17mmT4	H776-3 MB,VL,OVAL,PATCH,UB,NND,SHISB,PAIR=MAC,R=G	Galaxy SB(s)c:	EF,PL,LE
NGC 3870 Feb 23 2006 31" 17mmT4	H833-3 MF,MS,OVAL,BSNUC,HISB CNTR,GMBM,R=G	Galaxy S0?	CF,CS,R,PSBM
NGC 3877 Mar 15 1985 12.5" 16mm Feb 12 1983 12.5" 16mm	H201-1 SAME,PB,ML MB,PL,EDGE ON,KNTS DET,DUST LANES	Galaxy SA(s)c:	B,L,ME37
NGC 3888 Feb 23 2006 31" 17mmT4 Mar 15 1985 12.5" 16mm	H785-2 VF,PL,OVAL,BSNUC,HISB,PAIRS=3889/PGC/MAC,R=G MB,MS,OVAL,UB,NND,MHISB,PAIR/3898	Galaxy SAB(rs)c	PB,S,LE,PGBM
NGC 3889 Feb 23 2006 31" 17mmT4	Galaxy S0 PF,PS,EL,BLNUC,PAIRS=3888/PGC/MAC,R=F		VF,VS,5'S OF 3888
NGC 3891 Mar 25 2020 36" 17mmT4	H723-2 PB,ML,OVAL,BLNUC,MHISB,GRAINY HALO,HISB CNTR,R=G	Galaxy Sbc	PB,S,BM
NGC 3893 Mar 25 2020 36" 17mmT4 Mar 15 1985 12.5" 16mm Feb 12 1983 12.5" 16mm	H738-2 VB,VL,OVAL-R,BLNUC,HISB,SPR ARMS DET,F*S IN ARMS,ARMS BOTH SIDES OF NUC,GRAINY,PAIR=N3893,R=E MB,ML,FNUC,R,F* ON EDGE,SBM,HISB MB,PL,BNUC,B* IN W SIDE,SBM,OVAL	Galaxy SAB(rs)c:	B,PL,R,MBM
NGC 3894 Mar 15 1985 12.5" 12mm	H248-1 PF,MS,OVAL,SBM,PAIR/3895	Galaxy E4-5	B,PL,IR,PGMBM,P OF 2
NGC 3895 Mar 15 1985 12.5" 12mm	H832-2 PF,PS,OVAL,PATCHY,*NUC SUSP,PAIR/3894	Galaxy SB(rs)a:	PF,PL,VLE,GBM,F OF 2
NGC 3896 Mar 25 2020 36" 17mmT4	H739-2 MB,MS,EL,UB,NND,MHISB,F* JUST OF EDGE OF GLXY,PAIR=3893,R=FG	Galaxy SB0/a: pec	F,VS
NGC 3897 Mar 25 2020 36" 17mmT4	H408-2 MB,ML,OVAL,FSNUC,GRAN PATCH,R=FG	Galaxy Sbc	F,S,R,BM
NGC 3898 Mar 15 1985 12.5" 12mm Feb 12 1983 12.5" 16mm	H228-1 PB,ML,BNUC,HISB,BM,R-OVAL,PAIR/3888 MB,PL,EL,BNUC,VMBM	Galaxy SA(s)ab	B,PL,LE,SVMBM
NGC 3906 Mar 25 2020 36" 17mmT4	H715-3 MB,ML,OVAL,PATCH,NND,SHISB,R=FG	Galaxy SB(s)d	EF,PL
NGC 3913 Feb 23 2006 31" 17mmT4	H786-2 MF,ML,OVAL,FLNUC,PATCHY,R=F	Galaxy (R')SA(rs)d:	F,E

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NGC 3916		H787-2	Galaxy SAb: sp	EF,R,GBM
Feb 23 2006 31"	17mmT4	PF,MS,EL TO EDGE ON,PATCH,UB,NND,SHISB,PAIRS=3921/PGC37013,R=F		
NGC 3917		H824-2	Galaxy SAcd:	F,L,VME,VGBM
Jan 29 2014 36"	17mmT4	MB,VL,EL,UB,NND,SHISB,CIGAR SHAPE,PAIR=PGC36973,R=GE		
Mar 04 2006 31"	17mmT4	PB,VL,EDGE ON,UB,NND,CNTR BULGE,2*S OFF ONE SIDE,R=G		
Mar 15 1985 12.5"	16mm	DIF,MP,MS,EDGE ON,2VF*S S SIDE,UB,NND		
NGC 3921		H788-2	Galaxy (R')SA(s)0/a p	PF,S,R,PSPMBM
Feb 23 2006 31"	17mmT4	PB,PL,OVAL,BLNUC,MHISB,SBM,HISB CNTR,PAIRS=3916,PGC37013,R=G		
NGC 3922		H716-3	Galaxy S0/a	VF,VS
Mar 04 2006 31"	17mmT4	PB,PL,EL,BLNUC,HISB,GMBM,* OFF NUC,R=G		
NGC 3924		H825-2	Galaxy Sm:	PB,S,IF,BM
Mar 04 2006 31"	17mmT4	DIF,VF,PS,PTACH,UB,NND,R=P		
NGC 3928		H740-2	Galaxy SA(s)b?	PF,S,R,PSPMBM
Mar 25 2020 36"	17mmT4	VB,ML,R,BLNUC,HISB,GRAINY MHISB HALO,GMBM,R=G		
NGC 3930		H616-3	Galaxy SAB(s)c	EF,CL,IF,GLBM,*7F
Mar 25 2020 36"	17mmT4	MF,PL,OVAL,UB,NND,SHISB,R=F		
NGC 3931		H769-3	Galaxy SA0-:	EF,S
Mar 04 2006 31"	17mmT4	PB,PL,R,FLNUC,SBM,MHISB CNTR,PAIR=MAC,R=G		
NGC 3938		H203-1	Galaxy SA(s)c	B,VL,R,BMPBN,ER
Mar 15 1985 12.5"	16mm	MF,PL,L OVAL,FACE ON,SBM,SOME KNTY STR SUSP,NO *S		
Feb 12 1983 12.5"	16mm	MB,VL,FACE ON,R,KNTS DET		
NGC 3941		H173-1	Galaxy SB(s)0^	VB,PL,R,SMBM*9
Mar 15 1985 12.5"	12mm	PB,ML,BNUC,R,BM,HISB		
Feb 12 1983 12.5"	16mm	PB,MS,EL,VBNUC,LOOKS LIKE AN E6 GLXY		
NGC 3945		H251-1	Galaxy (R)SB(rs)0+	B,PL,R,GMBM,R,*12SP
Mar 15 1985 12.5"	12mm	PB,MS,BNUC,3F*S SUR OBJ,R,VMBM,HISB CNTR		
Feb 12 1983 12.5"	16mm	MB,PS,BNUC,2F*S N,1*W,HISB,R,SBM		
NGC 3949		H202-1	Galaxy SA(s)bc:	CB,PL,PME,VGBM
Mar 15 1985 12.5"	12mm	MB,ML,RECT SHAPE,UB,MHISB,NO *S		
Feb 12 1983 12.5"	16mm	MF,PL,MHISB,OVAL,*NUC,KNTS SUSP,FACE ON		
NGC 3953		H45-5	Galaxy SB(r)bc	CB,L,E0,VSMBLRN
Mar 15 1985 12.5"	16mm	SAME,PB,PL,BNUC,F* JUST W OF NUC,FACE ON,SPR STR DET		
Feb 12 1983 12.5"	16mm	MB,PL,FNUC,F*W EDGE,OVAL,SOFT NUC,VMBM,FACE ON,HALO		
NGC 3958		H833-2	Galaxy SB(s)a	PF,PS,PME,VGBM

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NGC 3958		H833-2	Galaxy SB(s)a	PF,PS,PME,VGBM
Mar 15 1985	12.5"	16mm	CLOSE PAIR/3963	
NGC 3963		H67-4	Galaxy SAB(rs)bc	PF,CL,R,VG,SBM
Mar 15 1985	12.5"	16mm	DIF,PF,PS,OVAL,UB,NND,COMP TO SW = 3958	
NGC 3971		H724-2	Galaxy S0	PF,VS,R,BM
Mar 25 2020	36"	17mmT4	MB,MS,R,BLNUC,MHISB,R=FG	
NGC 3972		H789-2	Galaxy SA(s)bc	PB,E
Feb 12 1983	12.5"	16mm	VDIF,VF,ML,EDGE ON,UB,TAPERED ENDS,NND,PAIR/3977	
NGC 3975			Galaxy SAb?	VF,VS,3978F17S
Mar 04 2006	31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,PAIRS=3978/PGC'S,R=F	
NGC 3977		H790-2	Galaxy Sab	F,S
Mar 02 1984	10"	20mm	MB,VL,FACE ON,SNUC,F* SUSP CLOSE TO NUC,SBM,SOME SPR STR SUSP	
Feb 12 1983	12.5"	16mm	MB,ML,BNUC,F*N SIDE,OVAL,F*E EDGE,KNTS SUSP,ARMS SHOW GOOD,PAIR/3972	
NGC 3978		H840-2	Galaxy SABbc:	CF,S,LE,BM,*8P6'
Mar 04 2006	31"	17mmT4	PB,PL,R,FSNUC,MHISB,SBM,PAIRS=3975/PGC'S,R=G	
NGC 3982		H62-4	Galaxy SAB(r)b:	B,PL,R,G,SBM,DISC
Feb 12 1983	12.5"	16mm	MB,MS,DNUC,R,SBM,SAME 24MM FIELD WITH 3998	
NGC 3985		H707-3	Galaxy SB(s)m:	VF,CS,ANOTHER SUSP
Mar 25 2020	36"	17mmT4	VB,ML,OVAL,LNUC,MHISB,GBM,R=G	
NGC 3986			Galaxy S0 sp	PF,S,PME90,*11 NR
Apr 09 2008	31"	17mmT4	MB,MS,EL-EDGE ON,FLNUC,2F**S OFF SIDE,SHISB MID,PAIR=IC2979,R=G	
NGC 3990		H791-2	Galaxy S0-: sp	PF,S,LE,PSLBM
Mar 15 1985	12.5"	12mm	CLOSE COMP TO 3998	
NGC 3991			Galaxy Im pec sp	F,S,LE,1ST OF 3
Apr 09 2008	31"	17mmT4	MF,ML,EDGE ON,BTR ONE SIDE THAN OTHER/PAIRS=3995/3994,E GRP,R=G	
NGC 3992	M109	H61-4	Galaxy SB(rs)bc	CB,VL,PME,SBMBRN
Mar 08 2013	36"	17mmT4	MESSIER MARATHON 2013	
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Dec 26 2003	31"	17mmT4	EB,EL,EL,BVLNUC,HISB NUC,FARMS DET,PATCHY AREAS DET,M109,R=E	
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Sep 18 1980	12.5"	24mm		
NGC 3994			Galaxy SA(r)c pec?	PB,VS,2ND OF 3
Apr 09 2008	31"	17mmT4	MB,MS,OVAL,BLNUC,SHISB,BM,MHISB CNTR,E GRP,PAIRS=3991/3995,R=G	

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NGC 3995		Galaxy SAm pec	F,PL,IR,BM,3RD OF 3
Apr 09 2008 31"	17mmT4	MF,PL,OVAL,UB,NND,MHISB,CIGAR SHAPE,PAIRS=3991/3994/E GRP,R=G	
NGC 3998		H229-1 Galaxy SA(r)0⁺?	CB,PS,R,VG,SMBM
Mar 15 1985 12.5"	12mm	PB,MS,BNUC,R,COMP TO W = 3990	
Feb 12 1983 12.5"	16mm	MB,MS,BNUC,R,VMBM,F COMP (3990),FORMS TRI WITH 3982	
NGC 4001		Galaxy E4; Dwarf?	S,R,7'NP4010
Apr 10 2023 36"	17mmT4	VF,MS,OVAL,PATCH,NND,PAIR=N4010,R=P	
NGC 4010		Galaxy SB(s)d: sp	F,PL,ME,VGLBM
Apr 10 2023 36"	17mmT4	MF,PL,UB,NND,SHISB,SLT TAPERED W EDGE,PAIR=N4001,R=FG	
NGC 4013		H733-2 Galaxy Sb sp	B,CL,ME62,VSVMBM*10
Apr 26 2006 31"	17mmT4	VB,EL,EL,PATCH,VB* CNTR OF NUC,12TH MAG,SS?,L CNTR BULGE,SHISB,R=E	
NGC 4020		H725-2 Galaxy SBd? sp	PB,PL,E19,BIN
Mar 25 2020 36"	17mmT4	PB,ML,EL,NND,MHISB,R=G	
NGC 4025		H617-3 Galaxy SB(s)cd	EF,PL,R
Mar 25 2020 36"	17mmT4	PF,MS,EL-OVAL,UB,NND,KEEP B* OUT OF FOV,R=PF	
NGC 4026		H223-1 Galaxy S0 sp	VB,CL,ME176,VSVMBMBN
Feb 12 1983 12.5"	16mm	MB,PS,EDGE ON,DUST LANE SUSP,VBM,CNTR BULGE	
NGC 4036		H253-1 Galaxy S0-	VB,VL,E
Mar 06 2003 12.5"	9mmT6	VB,VL,BNUC,VBM,BLNUC,HISB CNTR,TAPERED ENDS,R=E	
Feb 12 1983 12.5"	16mm	MB,PL,EDGE ON,BNUC,CNTR BULGE,DUST LANE SUSP,BM,PAIR/4041	
NGC 4041		H252-1 Galaxy SA(rs)bc:	B,CL,R,G,PSVMBMRN
Mar 06 2003 12.5"	9mmT6	VB,PL,R,HISB,VLNUC,VF* SUSP IN GLXY,S AREA (RING),FARMS,R=E	
Feb 12 1983 12.5"	16mm	MF,MS,DNUC,R,SBM,PAIR/4036	
NGC 4047		H741-2 Galaxy (R)SA(rs)b:	PB,PS,R
Apr 26 2003 12.5"	9mmT6	MB,ML,OVAL,BNUC,MHISB,R=G	
NGC 4051		H56-4 Galaxy SAB(rs)bc	B,VL,E,VGVSMBM*11
Feb 12 1983 12.5"	16mm	MB,PL,FNUC,F*W EDGE,B* E,*NUC,KNTS SUSP,FACE ON,OVAL	
NGC 4054		H794-3 Galaxy S	EF,S
Mar 06 2003 12.5"	9mmT6	EDIF,EF,VS,PATCH,AV,COMES AND GOES THEN HOLDS,R=P	
NGC 4062		H174-1 Galaxy SA(s)c	PB,VL,ME97,VGBM
Apr 26 2003 12.5"	9mmT6	VB,VL,EL TO OVAL,UB,V HISB,VF* OFF NUC,R=E	
NGC 4068		H781-2 Galaxy IAm	PF,S,STELLAR
Mar 06 2003 12.5"	9mmT6	DIF,MF,VL,OVAL-R,NND,B* IN CNTR,F* OFF ONE SIDE,FACE ON,SPR STR SUSP,R=G	

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NGC 4081		Galaxy Sa?	F,S,ME,D*NR
Mar 06 2003	12.5" 9mmT6	MF,MS,EL,UB,NND,R=F	
NGC 4085		H224-1 Galaxy SAB(s)c:?	B,PL,ME78,VSBM
Mar 06 2003	12.5" 9mmT6	MB,VL,EDGE ON,UB,NND,PAIR=4088,R=G	
Feb 12 1983	12.5" 24mm	DIF,PF,ML,EDGE ON,UB,NND,PAIR/4088	
NGC 4088		H206-1 Galaxy SAB(rs)bc	B,CL,E55,LBM
Mar 06 2003	12.5" 9mmT6	MB,EL-OVAL,PATCH,UB,NND,SHISB,PAIR=4085,R=E	
Feb 12 1983	12.5" 24mm	DIF,PB,PL,EL,HISB,NND,UB,W SIDE WIDER THAN E,PAIR/4085	
NGC 4096		H207-1 Galaxy SAB(rs)c	PB,VL,ME32
Mar 22 2004	12.5" 12mmT4	MF,PL,EDGE ON,PATCH,NND,SMWHT BM,CNTR RGN PATCHY,BKN,R=G	
Mar 27 1981	12.5" 24mm		
NGC 4097		H400-3 Galaxy S0	EF,VS,R,STELLAR,*SP
Mar 25 2020	36" 17mmT4	PB,MS,OVAL,BNUC,VBMB,HISB CNTR,R=G	
NGC 4100		H717-3 Galaxy (R')SA(rs)bc	PB,VL,VME161,VGVLBM
Apr 26 2006	31" 17mmT4	PB,PL,BSNUC,MHISB,BVS*NUC,UB THROT,R=E	
NGC 4102		H225-1 Galaxy SAB(s)b?	B,PS,R,BMBN,*12SPVNR
Mar 06 2003	12.5" 9mmT6	PB,ML,OVAL,BNUC,HISB,L HISB NUC,F* OFF ONE EDGE,R=G	
Feb 12 1983	12.5" 16mm	MB,PS,BNUC,R,BM,F* (13 MAG) W EDGE,F* FARTHER E	
NGC 4141		H795-3 Galaxy SBcd:	VF,PS,LE,GBM,R
Mar 06 2003	12.5" 9mmT6	EDIF,EF,ES,PATCH,AV,R=P	
NGC 4142		H814-3 Galaxy SB(s)d:	VF,S,IF,VGLBM,ER
Mar 06 2003	12.5" 9mmT6	VDIF,VF,MS,PATCH,UB,AV,R=P	
NGC 4144		H747-2 Galaxy SAB(s)cd? sp	PF,CL,VME109,VGBM
Mar 22 2004	12.5" 12mmT4	MF,PL,EDGE ON,SHISB,SB TOWARDS BAR,CNTR BULDGE,R=E	
NGC 4149		H802-2 Galaxy S?	F,S,E
Mar 06 2003	12.5" 9mmT6	MF,MS,EL,UB,NND,R=F	
NGC 4157		H208-1 Galaxy SAB(s)b? sp	PF,CL,VME60,(DOUBLE)
Apr 23 2003	12.5" 9mmT6	VF,EL,EDGE ON,BNUC,MHISB,DUST LANE SUSP,RES 7331,CNTR BULGE,R=E	
NGC 4161		H803-2 Galaxy S?	F,S,R
Apr 23 2003	12.5" 9mmT6	PB,ML,EL,PATCH,SHISB,B* SUR OBJ,GBM,R=G	
NGC 4172		H792-2 Galaxy S?	F,S,LE,GBM
Apr 23 2003	12.5" 9mmT6	DIF,PF,ML,OVAL,PATCH,FNUC,R=F	
NGC 4181		H777-3 Galaxy E	EF,S,STELLAR

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NGC 4181 Apr 23 2003 12.5" 9mmT6	H777-3 PF,MS,PATCH,NND,CLOSE TO *,R=F	Galaxy E	EF,S,STELLAR
NGC 4194 Apr 23 2003 12.5" 9mmT6	H867-2 PB,ML,OVAL-R,BNUC,MHISB,GMBM,R=G	Galaxy IBm pec	PB,VS,VSBM*12
NGC 4195 Apr 23 2003 12.5" 9mmT6	H796-3 EDIF,EF,ES,PATCH,AV,SUSP,R=P	Galaxy SB(s)cd	EF
NGC 4198 Apr 23 2003 12.5" 9mmT6	H793-2 MB,MS,OVAL-R,PATCH,FNUC,BET 2*S,R=F	Galaxy S0/a	PF,PS,LE,GBM
NGC 4199 Apr 23 2003 12.5" 9mmT6	H797-3 VDIF,VF,MS,PATCH,UB,NND,R=P	Galaxy Sb	VF,S
NGC 4271 Feb 04 2005 31" 17mmT4	H804-2 PB,MS,OVAL,BLNUC,F* OFF ONE SIDE,ANOTHER OFF END,MHISB MID,PAIR=MAC,R=G	Galaxy S0-:	PB,PL,IF
NGC 4284 Feb 04 2005 31" 17mmT4	H798-3 MB,PS,EL,VFSNUC,* OFF ONE EDGE,R=F,PAIR=4290,R=F	Galaxy Sbc	CF,LE,P OF 2
NGC 4290 Feb 04 2005 31" 17mmT4	H805-2 PB,ML,OVAL,BSNUC,SHISB,HISB CNTR,BM,PAIR=4284,R=G	Galaxy SB(rs)ab:	PB,L,R,GMBM
NGC 4335 Feb 04 2005 31" 17mmT4	H806-2 MB,PL,OVAL,BLNUC,HISB CNTR,GMBM,R=G	Galaxy E	PB,S,E,GBM
NGC 4358 Feb 04 2005 31" 17mmT4	H799-3 VF,ES,R,* NUC OR VF* IN GLXY,INTRACT=4364,PAIRS=4362/MAC,R=P	Galaxy S0	CF,CS,LE
NGC 4362 Feb 04 2005 31" 17mmT4	H800-3 MF,MS,OVAL,FSNUC,GRADUALLY BM,PAIRS=4364/4358,R=F	Galaxy S?	VF,CS,R,R
NGC 4364 Feb 04 2005 31" 17mmT4	H801-3 MF,MS,OVAL,FLNUC,SLT HISB CNTR,INTRACT=4358,PAIR=4362,R=G	Galaxy S0	CF,CS,R
NGC 4384 Feb 04 2005 31" 17mmT4	H879-3 MB,MS,OVAL,LNUC,SHISB,GRADUALLY BM,R=G	Galaxy Sa	CF,S,IR
NGC 4500 Feb 04 2005 31" 17mmT4	H234-1 PB,MS,EL,BSNUC,HISB CNTR,BM,TAPERED ENDS,R=G	Galaxy SB(s)a	B,CS,E,PGBM,*9F50"
NGC 4511 Feb 04 2005 31" 17mmT4	H834-3 PF,MS,OVAL,UB,NND,PATCHY,R=F	Galaxy Sbc	PF,VS,IR,VGBM
NGC 4547 Mar 26 2006 31" 17mmT4	H802-3 PF,MS,R,BSNUC,V CLOSE COMP=PGC41897,OTHER PAIRS,R=F	Galaxy E/S0	VF,PS,E,VGBM,*9F,PO2

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NGC 4549		H807-3	Galaxy	EF,PS,E,F OF 2
Mar 26 2006 31"	17mmT4	VF,PS,EL,PATCH,UB,NND,OTHER PAIRS,R=P		
NGC 4566		H880-3	Galaxy S	PF,S,IR,GBM
Mar 26 2006 31"	17mmT4	MB,MS,OVAL-R,BSNUC,F HALO SUR NUC,SBM,MHISB CNTR,R=G		
NGC 4605		H254-1	Galaxy SB(s)c pec	B,L,VME118,GLBM
Mar 26 2006 31"	17mmT4	EB,VL,EL,UB,HISB PATCHES DET,* OFF ONE SIDE,CNTR BULGE,R=E		
NGC 4644		H794-2	Galaxy SBb:	VF,S,R,GBM
Mar 26 2006 31"	17mmT4	MF,MS,EL,FLNUC,SHISB CNTR,CLOSE COMP=PGC42725,R=F		
NGC 4646		H910-2	Galaxy S0?	F,S,4VS*SP
Mar 26 2006 31"	17mmT4	MB,MS,OVAL,BLNUC,* OFF EDGE,GMBM,HISB CNTR,PAIR=MAC,R=G		
NGC 4652			Galaxy Sb	PF,PL,GBM,2B*6*NP
Mar 26 2006 31"	17mmT4	PF,PS,EL,FLNUC,VF* IN EDGE,R=F		
NGC 4669			Galaxy S	F,E,(RESOLVABLE)
Mar 26 2006 31"	17mmT4	MF,MS,EL,UB,NND,SHISB,CIGAR SHAPE,SHISB,R=F		
NGC 4675		H778-3	Galaxy SBb:	CF,S,LE
Mar 26 2006 31"	17mmT4	MF,MS,EL,UB,NND,SHISB,PAIR=PGC43028,R=F		
NGC 4686		H795-2	Galaxy Sa	PF,VS,VME,VSMBM
Mar 26 2006 31"	17mmT4	MB,ML,EL,BLNUC,F HALO,ARMS,HISB CNTR,GMBM,BM,R=G		
NGC 4695		H796-2	Galaxy S	EF,PS,VLE,MBMN
Mar 26 2006 31"	17mmT4	MF,MS,EL,PATCH,UB,NND,VF* IN TIP,CLOSE COMP NOT DET,R=F		
NGC 4732		H814-2	Galaxy E	F,S,VSMBM
Mar 26 2006 31"	17mmT4	MB,MS,EL,BLNUC,SHISB CNTR,R=G		
NGC 4801		H816-3	Galaxy L	EF,S,LE
Mar 26 2006 31"	17mmT4	MF,PS,OVAL,BSNUC,R=F		
NGC 4814		H243-1	Galaxy SA(s)b	B,PS,VLE,VGBM
Mar 26 2006 31"	17mmT4	MB,ML,OVAL,BSNUC,MHISB,GMBM,R NUC,HISB CNTR,R=G		
NGC 4964		H779-3	Galaxy S?	EF,S,LE
Apr 14 2004 31"	17mmT4	MF,MS,PATCH,UB,NND,SHISB,F* ON EDGE,R=F		
NGC 4967		H783-3	Galaxy E	VF,S,E,*ATT
Apr 14 2004 31"	17mmT4	MF,PS,OVAL,FSNUC,R=F		
NGC 4973		H781-3	Galaxy E/S0	VF,S
Apr 14 2004 31"	17mmT4	MF,MS,OVAL-R,BSNUC,BM,PAIRS/MANY,R=F		

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NGC 4974		H782-3	Galaxy E/S0	VF,S
Apr 14 2004 31"	17mmT4	MF,MS,OVAL-R,BSNUC,BM,PAIRS=4973	GRP,R=F	
NGC 4977		H780-3	Galaxy SA(r)b	CF,S
Apr 14 2004 31"	17mmT4	MF,PS,OVAL,FLNUC,R=F		
NGC 5001			Galaxy SB	PF,S,IR,GBM
Apr 14 2004 31"	17mmT4	MF,MS,R,BSNUC,MHISB,R=F		
NGC 5007		H848-3	Galaxy S0-:	VF,VS
Apr 14 2004 31"	17mmT4	MF,MS,OVAL-R,BSNUC,PAIR=PGC45617,R=F		
NGC 5109		H826-2	Galaxy S	CF,S,CE
Apr 14 2004 31"	17mmT4	DIF,PF,MS,EL,UB,CNTR	BULDGE,PAIR=5113,R=F	
NGC 5113		H808-3	Galaxy Sbc	CF,S,E,(=5109)
Apr 14 2004 31"	17mmT4	VDIF,VF,PS,EL,PATCH,UB,NND,PAIR=5109,R=P		
NGC 5163		H821-3	Galaxy E	CF,STELLAR
Apr 03 2005 31"	17mmT4	MB,PS,OVAL-R,BSNUC,R=F		
NGC 5164		H784-3	Galaxy SBb	CF,S,IR
Apr 03 2005 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,PAIR=MAC,R=F		
NGC 5201		H797-2	Galaxy S?	PF,CS,R,VGLBM
Apr 03 2005 31"	17mmT4	MB,ML,OVAL,BSNUC,KEEP B* OUT OF FOV,R=F		
NGC 5204		H63-4	Galaxy SA(s)m	PB,CL,IR,GMBM,R
Apr 03 2005 31"	17mmT4	PB,VL,OVAL,UB,NND,SHISB,CLOSE COMP=MAC,PAIRS=MAC,R=G		
NGC 5205			Galaxy S?	VF,PS,R,BET2VF*
Apr 03 2005 31"	17mmT4	MF,MS,OVAL,VFSNUC,SLT BM,R=F		
NGC 5216		H841-2	Galaxy E0 pec	PB,S,VLE
Apr 03 2005 31"	17mmT4	PB,ML,R,BLNUC,SBM,MHISB CNTR,R=G		
NGC 5218		H842-2	Galaxy SB(s)b? pec	PB,PL,R,GBM
Apr 03 2005 31"	17mmT4	PB,ML,OVAL,UB,NND,SHISB,PAIR=5216,R=G		
NGC 5250		H817-2	Galaxy S0	PB,S,R,VGBM
Apr 03 2005 31"	17mmT4	PB,MS,R,BSNUC,SHISB CNTR,R=G		
NGC 5255		H803-3	Galaxy Sb	VF,VS
Apr 03 2005 31"	17mmT4	MF,VS,BSNUC,R=G		
NGC 5256		H673-3	Galaxy Pec	EF,VS,R,GBM
Mar 07 2021 36"	17mmT4	MB,ML,PATCH,UB,NND,APPEARS TO BE BKN,PATCHES,ODD SHAPE,R=FG		

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NGC 5278		H798-2	Galaxy SA(s)b? pec	PF,R,VS NEB40"F,*N
Apr 03 2005 31"	17mmT4	MF,MS,OVAL,UB,NND,CLOSE COMP=5279,PAIRS=PGC'S,R=F		
NGC 5279			Galaxy SB(s)a pec	F,VS,F OF 2
Apr 03 2005 31"	17mmT4	PF,PS,OVAL,UB,NND,SHISB,CLOSE COMP=5278,PAIRS=PGC'S,R=F		
NGC 5294		H785-3	Galaxy	EF,2ST ATT OR INV
Apr 03 2005 31"	17mmT4	PF,VS,R,UB,NND,F* OFF EDGE,R=F		
NGC 5308		H255-1	Galaxy S0- sp	B,PL,ME57,PSBMBEN
Apr 03 2005 31"	17mmT4	PF,PL,EDGE ON,BLNUC,HISB CNTR,DUST SUSP,TAPERED ENDS,BULGE,R=E		
NGC 5322		H256-1	Galaxy E3-4	VB,PL,IR,PSMBM
Apr 03 2005 31"	17mmT4	VB,VL,EL-OVAL,BLNUC,HISB CNTR,* OR COMP OFF NUC,F* ON EDGE,SN?,R=E		
Feb 12 1983 12.5"	16mm	VB,ML,BNUC,R,BM,2F*S OFF IN A LINE		
NGC 5342		H849-3	Galaxy S0	EF,VS
May 16 2004 31"	17mmT4	PB,MS,EL,BLNUC,R=F		
NGC 5368		H786-3	Galaxy (R')SABab:	F,CS,R,STELL,*16NF
May 16 2004 31"	17mmT4	MB,MS,OVAL,BLNUC,HISB CNTR,GMBM,PAIR=MAC,R=G		
NGC 5370		H843-2	Galaxy SB(r)0^	F,S
May 16 2004 31"	17mmT4	MF,MS,OVAL,BLNUC,GMBM,SHISB CNTR,R=G		
NGC 5372		H809-3	Galaxy S?	CF,S,E,(**INV)
May 16 2004 31"	17mmT4	PB,ML,EL,BLNUC,HISB CNTR,R=G		
NGC 5376		H238-1	Galaxy SAB(r)b?	CB,PL,VLE,VGMBM
May 16 2004 31"	17mmT4	MB,PL,OVAL,PATCH,SHISB,B PATCH IN GLXY DET CLOSE TO NUC,PAIRS=5389/5379,R=G		
NGC 5379		H239-1	Galaxy S0	PB,PS,E,MBM
May 16 2004 31"	17mmT4	DIF,MF,ML,OVAL,PATCH,NND,SMWHT BM,PAIRS=5389/5376/P49512,R=F		
NGC 5389		H240-1	Galaxy SAB(r)0/a:?	PB,PL,E,MBMN
May 16 2004 31"	17mmT4	PB,PL,EL,BLNUC,MHISB,GMBM,TAPERED ARMS,PAIRS=5379/5376/P49512,R=E		
NGC 5402		H810-3	Galaxy S?	VF,VS,R
May 16 2004 31"	17mmT4	MF,ML,EDGE ON,NND,F* OFF TIP,SLT BTR ALONG BAR,NO NUC BULGE DET,R=F		
NGC 5422		H230-1	Galaxy S0 sp	PB,S,PME45,VSVMBMN
Mar 06 2003 12.5"	9mmT6	PB,ML,EDGE ON,BNUC,HISB,BLNUC,MHISB CNTR,R=G		
NGC 5430		H827-2	Galaxy SB(s)b	PB,S,IE,MBM
Mar 06 2003 12.5"	9mmT6	MB,PL,OVAL,PATCH,*NUC,R=F		
NGC 5443		H799-2	Galaxy SB(s)b?	PF,L,E

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NGC 5443		H799-2	Galaxy SB(s)b?	PF,L,E
Mar 06 2003 12.5"	9mmT6		PB,ML,OVAL,PATCH,SHISB,F* IN EDGE,SBM,R=G	
NGC 5447		H787-3	Knot in Galaxy	PB,S,R,GMBM,CONNM101
Mar 08 2010 31"	17mmT4		MF,MS,PATCH,2 PARTS ONE WITH VF* IN IT,KNOT IN GLXY,SQUARE IN SHAPE,PAIRS=NGC'S,R=F	
Nov 24 2006 12.5"	12mmT4		PF,PS,PATCH,UB,VF* ON SIDE/EDGE,KNOT IN M101,R=F	
NGC 5448		H691-2	Galaxy (R)SAB(r)a	PB,CL,VME90,SMBMN
Nov 24 2006 12.5"	12mmT4		MB,PL,EL,PATCH,UB,NND,SHISB,R=G	
NGC 5451			Knot in Galaxy	VF,PL,IR,VLBM,CON101
Mar 06 2003 12.5"	9mmT6		MF,PS,R,UB,NND,JUST ON THE EDGE OF M101,R=F	
NGC 5457	M101		Galaxy SAB(rs)cd	PB,VL,IR,G,VSMBMSN 4
Mar 08 2010 31"	17mmT4		PB,EL-OVAL,BSNUC,FACE ON,SPR STR,H2 RGN,DUST,DETAIL IN ARMS,MANY F*S IN ARMS,PAIRS=NGC'S,R=E	
Mar 19 2004 12.5"	12mmT4		MESSIER MARATHON 2004	
Mar 06 2003 12.5"	9mmT6		EB,EL,R,BSNUC,HISB,FACE ON,KNTS DET,ARMS DET,SPR STR DET,F*S,R NUC,R=E	
Mar 02 1984 10"	20mm		MB,EL,BNUC,FACE ON,F* JUST N OF NUC,SPR STR SUSP	
Mar 27 1981 12.5"	24mm		MESSIER MARATHON 1981	
Apr 16 1980 6"	24mm			
NGC 5461		H788-3	Knot in Galaxy	B,PS,R,PSBM,CONNM101
Mar 08 2010 31"	17mmT4		MB,PS,BNUC,B AREA WITH ,EL ENDS,KNOT IN GLXY,PAIRS=NGC'S,R=F	
Nov 24 2006 12.5"	12mmT4		VF,VS,PATCH,KNOT IN M101,R=F	
NGC 5462		H789-3	Knot in Galaxy	PB,PL,IR,GBM,CONM101
Mar 08 2010 31"	17mmT4		MB,MS,EL,UB,KNOT IN GLXY,RECTANGLAR SHAPE,UB PATCH,PAIRS=NGC'S,R=F	
Nov 24 2006 12.5"	12mmT4		VF,VS,PATCH,UB,AV FIRST THEN HOLDS,KNOT IN M101,R=F	
NGC 5471			Galaxy	F,S,R,*12,13P
Mar 08 2010 31"	17mmT4		MB,PS,OVAL,BLNUC,GLXY IN M101,PAIRS=NGC'S,R=G	
Nov 24 2006 12.5"	12mmT4		VF,VS,R,FSNUC,V CLOSE TO M101,R=F	
May 16 2004 31"	17mmT4		MB,MS,R,BLNUC,LNUC AREA,CLOSE TO M101,MHISB,PAIR=MAC,R=G	
NGC 5473		H231-1	Galaxy SAB(s)0-:	PB,S,R,GBM
Mar 06 2003 12.5"	9mmT6		PB,ML,R,BNUC,MHISB,R=G	
Jun 11 1983 12.5"	20mm		MB,PS,BNUC,BET 2 F*S E&W,R,SBM,CLOSE TO M101 (N)	
Mar 27 1981 12.5"	24mm			
NGC 5474		H214-1	Galaxy S(c)	PB,L,BM
Mar 06 2003 12.5"	9mmT6		PF,PL,R,PATCH,NND,PATCHY,F* IN GLXY DET,R=G	
Jun 11 1983 12.5"	20mm		DIF,MB,PL,FNUC,F*NW 1 GLXY DIA,OVAL,BSNUC,S OF M101	
Mar 27 1981 12.5"	24mm			
NGC 5475		H800-2	Galaxy Sa? sp	PB,S,PME,BM
Mar 06 2003 12.5"	9mmT6		MB,PL,EL,FNUC,SBM,R=G	

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NGC 5477	H790-3	Galaxy SA(s)m	VF,PL
Nov 24 2006 12.5" 12mmT4	VF,MS,OVAL,PATCH,UB,CLOSE TO M101,R=P		
May 16 2004 31" 17mmT4	DIF,PF,VL,OVAL,UB,NND, 2VF*S IN GLXY,R=F		
Mar 06 2003 12.5" 9mmT6	EDIF,EF,MS,PATCH,SUSP ONLY,LOC,GOOD,PAIR/5451,R=P		
NGC 5480	H692-2	Galaxy SA(s)c:	F,PS,VGBM,NP OF 2
Mar 06 2003 12.5" 9mmT6	DIF,MB,PL,R,PATCH,SBM,L THAN COMP,PAIR/5481,R=F		
NGC 5484	H791-3	Galaxy E2	VF,S,R,4'FROM 5485
Mar 06 2003 12.5" 9mmT6	AV,SUSP ONLY,LOC GOOD,PAIR/5486/5485,R=P		
NGC 5485	H232-1	Galaxy SA0 pec	CB,R,VGBM,F OF 2
Mar 06 2003 12.5" 9mmT6	PB,PL,PATCH,MHISB,SGBM,PAIR/5486/5484,R=G		
Mar 27 1981 12.5" 24mm			
NGC 5486	H801-2	Galaxy SA(s)m:	F,PL
Mar 06 2003 12.5" 9mmT6	VDIF,VF,ML,PATCH,NND,PAIR/5485/5484,R=P		
NGC 5503		Galaxy	EEF,VS,R,VDIFFIC,
Mar 26 2006 31" 17mmT4	PF,PS,OVAL,UB,NND,R=F		
NGC 5526	H804-3	Galaxy Sbc	VF,S,E,R
Mar 06 2003 12.5" 9mmT6	VDIF,VF,PS,EL,PATCH,NND,CLOSE COMP NOT DET,R=P		
NGC 5540	H805-3	Galaxy	EF,VS,R,STELLAR
Mar 06 2003 12.5" 9mmT6	VDIF,VF,VS,PATCH,UB,R=P		
NGC 5561		Galaxy Sm	EF,PS,R,F*CLOSE P
Jun 01 2003 12.5" 9mmT6	EDIF,EF,ES,PATCH,AV,SUSP,LOC GOOD,R=P		
NGC 5585	H235-1	Galaxy SAB(s)d	PF,L,IR,VGMBM,R
Jun 01 2003 12.5" 9mmT6	VDIF,VF,VL,OVAL,PATCH,NND,PATCH AREA'S IN VAR PARTS DET,R=F		
NGC 5631	H236-1	Galaxy SA(s)0^	B,S,R,PSBMN
Jun 01 2003 12.5" 9mmT6	PB,ML,EL,BSNUC,SHISB,HALO-ARMS,ALM *,GMBM,R=G		
Jun 11 1983 12.5" 20mm	MF,VS,BNUC,SVRL F*S TO N,R,GBM,BARREN AREA TO S		
PAL 4		Globular	
Apr 11 2015 36" 17mmT4	~CLASS X,EF,MS,PATCH,VF PATCH,CANNOT MAKE OUT INDIVIDUAL *S,R=P		
PGC 23324		Galaxy Dwarf Irr	
Dec 28 2008 31" 17mmT4	VDIF,EF,ML,NND,IRR,3*IN TRI IN CNTR OF VF NEB PATCH,BTR PATCH BY 1* IN TRI,R=P		
PGC 23913		Galaxy SA(s)c	
Feb 04 2005 31" 17mmT4	DIF,VF,PL,PATCH,UB,NND,F* IN EDGE,OTHER *S OPPOSITE SIDE,R=F		
PGC 24050		Galaxy Im	

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PGC 24050		Galaxy Im
Apr 09 2023 36"	17mmT4	DIF,VF, VS,OVAL,PATCH,NND,R=P
PGC 24908		Galaxy SBb
Apr 07 2008 31"	17mmT4	VF,MS,OVAL,FLNUC,MHISB,PAIRS=PGC'S,R=F
PGC 24912		Galaxy E
Apr 07 2008 31"	17mmT4	VF,PS,R,UB,NND,PAIRS=PGC'S,R=F
PGC 24916		Galaxy
Apr 07 2008 31"	17mmT4	VF,PS,OVAL-R,PATCH,UB,NND,PAIRS=PGC'S,R=P
PGC 25130		Galaxy S?
Feb 04 2005 31"	17mmT4	MB,PS,OVAL-R,BLNUC,SHISB,PAIR=2692,R=G
PGC 25240		Galaxy Dwarf Spiral
Mar 06 2003 12.5"	9mmT6	EDIF,EF,ES,OVAL,PATCH,PAIR=IC512,R=P
PGC 25290		Galaxy Sb
Apr 07 2008 31"	17mmT4	MF,PS,OVAL,FSNUC,R=F
PGC 25305		Galaxy Sab
Apr 07 2008 31"	17mmT4	MF,PS,OVAL,PATCH,UB,NND,R=F
PGC 25308		Galaxy Sc
Apr 07 2008 31"	17mmT4	PF,MS,EDGE ON,UB,NND,SLT CNTR BULGE,PAIR=MAC,R=F
PGC 25369		Galaxy Sc
Apr 07 2008 31"	17mmT4	EF,VS,PATCH,NND,BKN PIECES,VF*S SUR NUC AREA,PATCHY,PAIR=PGC25370,R=P
PGC 25370		Galaxy S?
Apr 07 2008 31"	17mmT4	MF,MS,OVAL-R,FLNUC,SHISB CNTR,PAIR=PGC25369,R=F
PGC 25649		Galaxy S0-:
Apr 07 2008 31"	17mmT4	MF,PS,R,BSNUC,SHISB CNTR,R=F
PGC 25755		Galaxy
Mar 06 2003 12.5"	9mmT6	EF,ES,PATCH,AV,SUSPECTED,PAIR=2756,R=P
Jan 08 2003 12.5"	9mmT6	EEDIF,EF,ES,SUSP ONLY,COMP=2756
PGC 26289		Galaxy Sab
Mar 26 2003 12.5"	9mmT6	DIF,VF,MS,PATCH,NND,F* IN GLXY,R=P
PGC 26572		Galaxy SBR
Apr 14 2004 31"	17mmT4	DIF,PF,MS,OVAL,UB,NND,VF* IN GLXY,R=F
PGC 26579		Galaxy Sa

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PGC 26579		Galaxy Sa
Apr 14 2004 31"	17mmT4	PF,MS,OVAL,PATCH,FLNUC,R=F
PGC 26694		Galaxy C
Apr 07 2008 31"	17mmT4	PB,VS,R,VFSNUC,CLOSE TO *,R=P
PGC 26849		Galaxy SB(s)dm pec
Apr 07 2008 31"	17mmT4	MF,MS,R,FLNUC,PAIR=PGC26864,R=F
PGC 26864		Galaxy SAB(s)c
Apr 07 2008 31"	17mmT4	VF,PS,EL,PATCH,UB,NND,PAIR=PGC26849,R=P
PGC 26940		Galaxy C
Apr 14 2004 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,PAIR=2880,R=F
PGC 27029		Galaxy Sc
Apr 14 2004 31"	17mmT4	DIF,MP,MS,OVAL,PATCH,UB,NND,R=P
PGC 27041		Galaxy SBa
Apr 14 2004 31"	17mmT4	MF,PS,BSNUC,B DBL * IN FOV,SHISB CNTR,R=F
PGC 27076		Galaxy SB
Apr 14 2004 31"	17mmT4	DIF,EF,VS,AV,PAIRS/2895/MAC,R=P
PGC 27605		Galaxy IAB(s)m
Apr 09 2023 36"	17mmT4	EDFF,EF,VS,PATCH,AV COMES AND GOES,PATCHES HERE AND THERE,R=P
PGC 27788		Galaxy S?
Apr 14 2004 31"	17mmT4	DIF,PF,MS,OVAL,PATCH,UB,NND,R=P
PGC 28045		Galaxy S?
Apr 07 2008 31"	17mmT4	PF,PS,R,FSNUC,R=F
PGC 28239		Galaxy Spiral
Mar 06 2010 31"	17mmT4	PF,MS,EDGE ON,UB,NND,R=F
PGC 28330		Galaxy
Jan 29 2014 36"	17mmT4	PF,VS,OVAL,FLNUC,PAIRS=3010/PGC28340,R=F
PGC 28340		Galaxy Compact
Jan 29 2014 36"	17mmT4	PF,VS,R,NND,PAIRS=3010/PGC28330,R=PF
PGC 28563		Galaxy SA(s)dm
Apr 09 2023 36"	17mmT4	VF,VS,PATCH,VF* JUST OFF S EDGE,R=P
PGC 28614		Galaxy
Apr 09 2023 36"	17mmT4	VF,VS,PATCH,UB,PAIR=PGC28731,R=P

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PGC 28731		Galaxy
Apr 09 2023 36"	17mmT4	EF,ES,PATCH,PAIR=PGC28614,AV FIRST THEN HOLDS(BARELY),VF* OFF N EDGE,R=P
PGC 28751		Galaxy S
Apr 07 2008 31"	17mmT4	EEF,ES,DET SHORTLY WITH AV,DID NOT HOLD,HICKSON 41,SUSP,R=P
PGC 28753		Galaxy S?
Apr 07 2008 31"	17mmT4	EF,VS,UB,NND,AV FIRST THEN HOLDS,HICKSON 41,R=P
PGC 28757		Galaxy Im
Apr 03 2005 31"	17mmT4	VDIF,EF,ML,OVAL,PATCH,NND,AV,SVRL VF*S IN AND SUR GLXY,R=P
PGC 28764		Galaxy S?
Apr 07 2008 31"	17mmT4	PF,PS,EL,BSNUC,HICKSON 41,R=F
PGC 28770		Galaxy S
Apr 07 2008 31"	17mmT4	VS,PS,EL,PATCH,UB,NND,HICKSON 41,R=P
PGC 28784		Galaxy E
Apr 07 2008 31"	17mmT4	LOC GOOD,DID NOT DET ONLY SUSP,HICKSON 41,R=P
PGC 28990		Galaxy Sb-Sc
Jan 08 2003 12.5"	9mmT6	EDIF,PF,MS,PAIR/3073/3079
PGC 29068		Galaxy S R
Apr 07 2008 31"	17mmT4	VF,VS,EL,UB,NND,PAIR=MAC,R=P
PGC 29142		Galaxy S0/a
Apr 07 2008 31"	17mmT4	EF,VS,EL,UB,NND,AV FIRST THEN HOLDS,B* CLOSE BY,R=P
PGC 29229		Galaxy Sdm:
Feb 09 2013 36"	17mmT4	EF,ES,PATCH,PA~?,F PATCH SUSP,R=P
PGC 29254		Galaxy E/S0
Apr 09 2023 36"	17mmT4	VF,PS,OVAL-PATCH,NND,SUR BY F*S CLOSE IN,PAIR=PGC 29284,R=P
PGC 29284		Galaxy Im
Apr 09 2023 36"	17mmT4	EF,VS,NND,2F* FIELD *S POINT TO OBJ,AV FIRST THEN HOLDS,PAIR=PGC29254,R=P
PGC 29327		Galaxy E/S0
Apr 07 2008 31"	17mmT4	MB,PS,R,BSNUC,MHISB CNTR,R=F
PGC 29427		Galaxy Im
Apr 07 2008 31"	17mmT4	DIF,MF,PL,OVAL,PATCH,UB,NND,R=F
PGC 29472		Galaxy SB(s)c? sp
Apr 07 2008 31"	17mmT4	MF,VL,EDGE ON,NND,MHISB,B*TIP,DUST AREAS SUSP,PATCHY,BKN PARTS,R=G

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PGC 29550		Galaxy SB(s)c
Apr 07 2008 31"	17mmT4	EF,VS,AV,SUSP,LOC GOOD,LOC IN BARRON * FIELD,FEW GUIDE *S,AV ONCE,R=P
PGC 29595		Galaxy Sdm:
Apr 07 2008 31"	17mmT4	EF,VS,PATCH,UB,NND,AV HOLDS,PAIR=PGC29612,R=P
PGC 29612		Galaxy
Apr 07 2008 31"	17mmT4	VF,VS,OVAL,UB,NND,VF*OFF ONE SIDE,PAIR=PGC29595,R=F
PGC 29955		Galaxy SB
Apr 07 2008 31"	17mmT4	VF,MS,OVAL,PATCH,UB,NND,R=P
PGC 29962		Galaxy S?
Apr 07 2008 31"	17mmT4	PF,VS,R,VFSNUC,R=P
PGC 30027		Galaxy E:
Apr 23 2003 12.5"	9mmT6	DIF,VF,VS,PATCH,NND,PAIR=3168,R=P
PGC 30122		Galaxy
Apr 23 2003 12.5"	9mmT6	VDIF,EF,VS,PATCH,NND,AV ABLE TO HOLD,R=P
PGC 30137		Galaxy S
Apr 07 2008 31"	17mmT4	EF,VS,PATCH,UB,NND,HICKSON 45,R=P
PGC 30143		Galaxy S
Apr 07 2008 31"	17mmT4	DID NOT DET,TOOCLOSE TO *,HICKSON 45,R=P
PGC 30153		Galaxy Sb
Apr 07 2008 31"	17mmT4	VF,PS,EL,UB,NND,HICKSON 45,COVERING PGC30156,R=P
PGC 30156		Galaxy S
Apr 07 2008 31"	17mmT4	DID NOT DET,ON TOP OF PGC30153,HICKSON 45,R=P
PGC 30240		Galaxy Sab
Apr 23 2003 12.5"	9mmT6	VF,ES,PATCH,FNUC,TUCKED INSIDE A S TRIANGLE,R=F
PGC 30368		Galaxy Sbc
Apr 23 2003 12.5"	9mmT6	VDIF,EF,ES,PATCH,AV,R=P
PGC 30649		Galaxy E/S0
Feb 04 2005 31"	17mmT4	PF,MS,OVAL,PATCH,FNUC,PAIR=3238,R=F
PGC 30693		Galaxy S
Feb 04 2005 31"	17mmT4	DIF,EF,VS,PATCH,UB,NND,AV,R=P
PGC 31141		Galaxy Im pec:
Apr 07 2008 31"	17mmT4	MF,VS,R,BSNUC,MB,HISB CNTR,R=F

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PGC 31192		Galaxy Sbc
Feb 04 2005 31"	17mmT4	PF,MS,EDGE ON,UB,NND,R=F
PGC 31697		Galaxy S?
Feb 23 2006 31"	17mmT4	MB,ML,EL,BLNUC,MHISB,B* BET THE 2,PAIR=PGC31720/MAC,R=G
PGC 31720		Galaxy S?
Feb 23 2006 31"	17mmT4	MB,ML,EL,BLNUC,MHISB,F* OFF TIP,B* BET THE TWO,PAIR=PGC31697,R=G
PGC 31959		Galaxy SBb
Feb 23 2006 31"	17mmT4	MB,MS,EL,BSNUC,MHISB CNTR,SBM,R=G
PGC 31965		Galaxy S0/a
Feb 23 2006 31"	17mmT4	PB,MS,EL,BLNUC,SBM,HISB CNTR,R=G
PGC 32218		Galaxy I
Feb 05 2005 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,PAIRS=3364/MAC'S,R=P
PGC 32265		Galaxy
Mar 21 2020 36"	17mmT4	MF,EL,VFNUC,PAIR=3374,R=F
PGC 32405		Galaxy Im:
Feb 05 2005 31"	17mmT4	VDIF,EF,PL,OVAL,NND,AV,R=P
PGC 32587		Galaxy
Apr 18 2023 36"	17mmT4	VF,VS,PATCH,VSFNUC,KEEP B FOV* OUT OF FOV,PAIRS=N3398/IC644,R=P
Feb 05 2005 31"	17mmT4	PF,MS,OVAL,FSNUC,B* IN FOV,PAIRS=3398/OTHERS,R=F
PGC 32604		Galaxy Scd:
Apr 18 2023 36"	17mmT4	DIF,VF,MS,PATCH,UB,NND,AGC 1112,R=P
PGC 32740		Galaxy Im
Apr 07 2008 31"	17mmT4	EEF,VS,JUST OFF TIP OF 3448,AT ZENITH,LOC GOOD, NO AV HOLD,SUSP,R=P
PGC 32784		Galaxy Sm
Feb 05 2005 31"	17mmT4	EF,MS,PATCH,SUSP,PAIR=3445,R=P
PGC 32890		Galaxy L
Apr 07 2008 31"	17mmT4	EF,ES,SUSP,ON TOP OF OTHERS,HICKSON 49,PAIRS=PGC'S,R=P
PGC 32893		Galaxy S
Apr 07 2008 31"	17mmT4	EF,ES,SUSP,ON TOP OF OTHERS,HICKSON 49,PAIRS=PGC'S,R=P
PGC 32895		Galaxy S
Apr 07 2008 31"	17mmT4	VF,VS,F BLOB DET WITH AV,COMP=PGC32899,JUST BARELY SEP,PAIRS=PGC'S,R=P
PGC 32899		Galaxy S?

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PGC 32899		Galaxy S?
Apr 07 2008 31"	17mmT4	VF,VS,PATCH,UB,NND,AV,CAN JUST BARELY SPLIT THE TWO,COMP=32893,PAIRS=PGC'S,R=P
PGC 33043		Galaxy
Feb 05 2005 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIR=3470,R=P
PGC 33071		Galaxy S
Feb 04 2005 31"	17mmT4	VF,MS,EL,PATCH,UB,NND,PAIR=3471,R=P
PGC 33205		Galaxy Sbc
Apr 03 2005 31"	17mmT4	PF,MS,EL PATCH,NND,PAIR=MAC,R=F
PGC 33301		Galaxy S?
Apr 18 2023 36"	17mmT4	MF,PS,OVAL,LFNUC,ON TOP OF IC2620,2 IN 1,PAIR=IC2620,R=F
PGC 33423		Galaxy Ring
Apr 07 2008 31"	17mmT4	PF,PS,EL-EDGE ON,BTR ALONG AXIS,BM,PAIR=MAC,R=F
PGC 33448		Galaxy C
Apr 07 2008 31"	17mmT4	PF,VS,R,FSNUC,R=P
PGC 33526		Galaxy S
Apr 03 2005 31"	17mmT4	EF,ES,AV,SUSP,COMP=3517,R=P
PGC 33571		Galaxy S
Apr 04 2005 31"	17mmT4	MF,MS,EL,FLNUC,SHISB,R=F
PGC 33625		Galaxy SBdm
Apr 04 2005 31"	17mmT4	VDIF,VF,PL,EL,PATCH,UB,NND,R=P
PGC 33640		Galaxy Sbc
Feb 21 2020 36"	17mmT4	MF,MS,OVAL,PATCH,NND,PAIR=N3527,R=F
PGC 33887		Galaxy S
Apr 12 2023 36"	17mmT4	EF,VS,PTACH,AV HOLDS,AGC 1185,R=P
Mar 16 2009 31"	17mmT4	VF,PS,PATCH,UB,AGC,R=P
PGC 33924		Galaxy C
Apr 12 2023 36"	17mmT4	MF,VS,OVAL,SFNUC,AGC 1185,R=PF
Mar 16 2009 31"	17mmT4	MF,MS,R,BSNUC,AGC,R=F
Apr 09 2008 31"	17mmT4	MF,MS,OVAL,FSNUC,PAIRS=AGC1185,R=F
PGC 33944		Galaxy
Apr 12 2023 36"	17mmT4	EF,ES,PATCH,AV COMES AND GOES,HARD TO HOLD,AGC 1185,R=P
Mar 16 2009 31"	17mmT4	EF,VS,PATCH,AV ONE TIME,SUSP,AGC,R=P
PGC 33994		Galaxy

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PGC 33994		Galaxy
Apr 12 2023 36"	17mmT4	EF,ES,PATCH,AV ONCE OR TWO,TOUCH=N3561B,SUSP,AGC 1185,R=P
Mar 20 2009 31"	12mmT4	EF,ES,SUSP ONLY,AGC,R=P
PGC 34000		Galaxy S
Apr 12 2023 36"	17mmT4	VF,PS,PATCH,FNUC,AGC 1185,R=PF
Mar 16 2009 31"	17mmT4	MF,MS,EL,LF NUC,SLT BM,AGC,R=F
Apr 07 2008 31"	17mmT4	PF,MS,OVAL,UB,NND,AGC,MANY OTHERS PRESENT,R=F
PGC 34017		Galaxy
Apr 12 2023 36"	17mmT4	MF,MS,PATCH,LFNUC,AGC 1185,R=F
Mar 16 2009 31"	17mmT4	MF,MS,R,LF NUC,MANY OTHER PRESENT,AGC,R=F
Apr 07 2008 31"	17mmT4	PF,MS,OVAL,UB,NND,AGC,MANY OTHERS PRESENT,R=F
PGC 34036		Galaxy S
Apr 12 2023 36"	17mmT4	VF,VS,PATCH,UB,AGC 1185,R=P
Mar 16 2009 31"	17mmT4	PF,PS,OVAL,FSNUC,AGC,R=F
PGC 34068		Galaxy S
Mar 16 2009 31"	17mmT4	MF,MS,EDGE ON,UB,NND,CNTR BULGE,TAPERED ENDS,R=F
PGC 34303		Galaxy S0
Feb 23 2006 31"	17mmT4	MB,PS,BSNUC,MBM,HISB CNTR,R=G
PGC 34356		Galaxy SBR
Apr 03 2005 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,PAIR=3594,R=F
PGC 34375		Galaxy E3:
Mar 17 2009 31"	17mmT4	MF,PS,OVAL,BSNUC,AGC,R=F
PGC 34376		Galaxy E3:
Mar 17 2009 31"	17mmT4	MB,MS,R,BSNUC,BM,AGC,R=F
PGC 34380		Galaxy S?
Mar 17 2009 31"	17mmT4	PF,PS,OVAL,FSNUC,AGC,R=F
PGC 34384		Galaxy
Mar 17 2009 31"	17mmT4	PF,PS,OVAL,FSNUC,AGC,R=F
PGC 34385		Galaxy S?
Mar 17 2009 31"	17mmT4	PF,MS,OVAL,FLNUC,AGC,R=F
PGC 34386		Galaxy
Mar 17 2009 31"	17mmT4	VF,VS,AV FIRST THEN HOLDS,AGC,R=P
PGC 34388		Galaxy
Mar 17 2009 31"	17mmT4	EF,ES,PATCH,AV A FEW TIMES,AGC,R=P

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PGC 34393		Galaxy SB(s)b
Mar 17 2009 31"	17mmT4	MF,MS,OVAL,UB,NND,AGC,R=F
PGC 34394		Galaxy
Mar 17 2009 31"	17mmT4	PF,PS,FSNUC,AGC,R=F
PGC 34395		Galaxy S
Mar 17 2009 31"	17mmT4	VF,VS,PATCH,UB,NND,COMP=PGC34396,CAN JUST BARELY SPLIT THE TWO,AGC,R=P
PGC 34396		Galaxy S
Mar 17 2009 31"	17mmT4	PF,PS,OVAL,FSNUC,COMP=PGC34395CAN JUST BARELY SPLIT THE TWO,AGC,R=F
PGC 34397		Galaxy
Mar 17 2009 31"	17mmT4	VF,VS,PATCH,*NUC,AGC,R=P
PGC 34398		Galaxy
Mar 17 2009 31"	17mmT4	VF,PS,*NUC,AGC,R=F
PGC 34702		Galaxy Sab
Mar 20 2009 31"	17mmT4	MF,PS,PATCH,BLNUC,AGC,R=F
PGC 34704		Galaxy Dwarf Spiral
Apr 03 2005 31"	17mmT4	VDIF,EF,ML,PATCH,AV,PAIRS=3625/MAC,R=P
PGC 34733		Galaxy Sd
Feb 23 2006 31"	17mmT4	PF,MS,EDGE ON,PAIR=PGC34768/MAC,R=G
PGC 34768		Galaxy SB(s)ab
Feb 23 2006 31"	17mmT4	MB,PS,R,BSNUC,SHISB CNTR,PAIRS=PGC34733/MAC,R=G
PGC 34803		Galaxy
Apr 16 2009 31"	17mmT4	MF,PS,R,FSNUC,AGC 1288,R=F
PGC 34812		Galaxy S0/a
Mar 20 2009 31"	17mmT4	PF,PS,OVAL,FLNUC,AGC,R=F
PGC 34869		Galaxy Sd
Jan 29 2014 36"	17mmT4	PF,MS,EDGE ON,PA~135,NND,V THIN SLIVER,TAPERED ENDS,SHARP,R-F
PGC 34895		Galaxy
Apr 03 2005 31"	17mmT4	PF,PS,PATCH,UB,NND,R=P
PGC 34903		Galaxy E/S0
Apr 09 2023 36"	17mmT4	MF,MS,PATCH,SFNUC,R=F
PGC 34933		Galaxy SBa
Apr 16 2009 31"	17mmT4	MF,MS,R,BLNUC,SBM,MHISB CNTR,AGC 1228,R=F

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PGC 34944		Galaxy
Apr 03 2005 31"	17mmT4	VF,MS,PATCH,UB,R=P
PGC 34962		Galaxy S
Apr 03 2005 31"	17mmT4	EF,MS,PATCH,NND,PAIRS=PGC/MAC/3656,R=P
PGC 34971		Galaxy Sm:
Apr 09 2023 36"	17mmT4	EF,MS,EL,NND,VF* N EDGE,AV FIRST THEN HOLDS,R=P
PGC 34975		Galaxy Sb-c
Apr 03 2005 31"	17mmT4	VF,MS,EDGE ON,UB,NND,R=F
PGC 34985		Galaxy
Apr 03 2005 31"	17mmT4	VF,VS,UB,NND,CLOSE COMP=3656,MAKES 3656 LOOK ELR=P
PGC 35055		Galaxy S
Apr 03 2005 31"	17mmT4	DIF,VF,MS,PATCH,UB,NND,R=P
PGC 35104		Galaxy SBb
Apr 03 2005 31"	17mmT4	VF,MS,OVAL,PATCH,UB,NND,R=P
PGC 35129		Galaxy S0 pec
Apr 07 2008 31"	17mmT4	VF,VS,OVAL,FVSNUC,PAIR=MAC,R=P
PGC 35202		Galaxy SAd
Apr 09 2023 36"	17mmT4	VF,MS,OVAL-PATCH,NND,AV FIRST THEN HOLDS,PATCHY,R=P
PGC 35325		Galaxy
Apr 07 2008 31"	17mmT4	EF,VS,OVAL,UB,NND,AV FINALLY HOLDS,V CLOSE TO 3690,R=P
PGC 35345		Galaxy B
Apr 07 2008 31"	17mmT4	EF,PS,PATCH,UB,AVCOMES AND GOES,LOC GOOD,PAIRS=3690/IC694,R=P
Apr 03 2005 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,PAIRS=MAC,IC,3690,R=P
PGC 35609		Galaxy SB0 pec:
Feb 23 2006 31"	17mmT4	PF,MS,EL,VFSNUC,*NUC SUSP,E HICKSON GRP,R=F
PGC 35615		Galaxy SA(s)0/a pec:
Feb 23 2006 31"	17mmT4	MF,PS,OVAL,*NUC,E HICKSON GRP,R=F
PGC 35618		Galaxy (R')S0/a pec:
Feb 23 2006 31"	17mmT4	MF,PS,OVAL,FSNUC,E HICKSON GRP,R=F
PGC 35620		Galaxy Sa pec sp
Feb 23 2006 31"	17mmT4	MB,PS,EL,BSNUC,E HICKSON GRP,R=F
PGC 35626		Galaxy SA(rs)c

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PGC 35626		Galaxy SA(rs)c
Apr 04 2005 31"	17mmT4	PF,ML,OVAL,NND,PAIR=3725,R=F
PGC 35631		Galaxy S?
Feb 23 2006 31"	17mmT4	PF,MS,EL TO EDGE ON,VFSNUC,E HICKSON GRP,R=F
PGC 35675		Galaxy Sd
Apr 07 2008 31"	17mmT4	PF,PL,EDGE ON,UB,NND,CNTR BULGE,CIGAR SHAPE,R=F
PGC 35702		Galaxy S
Apr 19 2014 36"	17mmT4	MF,PS,PATCH,NND,CLOSE TO F*,AGC1314,R=F
PGC 35762		Galaxy S
Apr 19 2014 36"	17mmT4	EF,VS,PATCH,AV FIRST THEN HOLDS,AGC1314,R=P
PGC 35774		Galaxy
Apr 19 2014 36"	17mmT4	PF,VS,PATCH,NND,PAIR=IC711,AGC1314,R=P
PGC 35799		Galaxy Sc
Apr 07 2008 31"	17mmT4	MF,PL,OVAL,PATCH,UB,NND,SHISB,R-F
PGC 35811		Galaxy E/S0
Apr 04 2005 31"	17mmT4	VF,PS,PATCH,NND,PAIRS=3737/MAC'S,R=F
PGC 35831		Galaxy S
Apr 19 2014 36"	17mmT4	MB,MS,OVAL,UB,NND,SHISB,AGC1314,R=FG
PGC 35845		Galaxy S
Apr 19 2014 36"	17mmT4	PF,MS,EDGE ON,NND,THIN SLIVER,SOME BULDGING,AGC1314,R=PF
PGC 35846		Galaxy E
Apr 19 2014 36"	17mmT4	MF,MS,EL,UB,PAIR=PGC35849,AGC1314,R=F
PGC 35849		Galaxy
Apr 19 2014 36"	17mmT4	MF,MS,EL,UB,PAIR=PGC35846,AGC1314,R=F
PGC 35872		Galaxy S
Apr 04 2005 31"	17mmT4	PF,MS,OVAL,UB,NND,CLOSE PAIR=MAC,R=F
PGC 35900		Galaxy Scd:
Apr 09 2023 36"	17mmT4	MF,ML,EL-EDGE ON,PATCH,UB,NND,CNTR BULGE,R=F
PGC 36037		Galaxy E?
Apr 07 2008 31"	17mmT4	MF,MS,R,BSNUC,MHISB CNTR,R=F
PGC 36137		Galaxy SA(s)d:
Apr 07 2008 31"	17mmT4	DIF,VF,PL,OVAL,PATCH,NND,PATCHY,SVRL VF*'S SUR GLXYXY CNTR,R=F

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PGC 36188		Galaxy SAm
Apr 10 2023 36"	17mmT4	VDIF,VF,ML,PATCH,UB,NND,SHISB,R=P
PGC 36305		Galaxy S
Apr 07 2008 31"	17mmT4	VF,MS,OVAL,PATCH,UB,NND,VF* OFF CNTR RGN,R=P
PGC 36343		Galaxy Scd:
Jan 29 2014 36"	17mmT4	EF,MS,EDGE ON,PA~90,UB,THIN SLIVER,LOC IN BARRON FOV,R=P
PGC 36463		Galaxy SB?
Feb 23 2006 31"	17mmT4	MB,ML,R,BSNUC,MBM,MHISB CNTR,PAIR=3846A,R=G
PGC 36585		Galaxy S
Dec 07 2005 31"	17mmT4	PF,PS,OVAL,VBSNUC,R=F
PGC 36785		Galaxy
Feb 23 2006 31"	17mmT4	VF,PS,EL,FLNUC,PAIRS=3888/3889/MAC,R=P
PGC 36973		Galaxy Scd:
Jan 29 2014 36"	17mmT4	VF,MS,EDGE ON,PA~150,UB,NND,PAIR=3917,R=P
PGC 37013		Galaxy S
Feb 23 2006 31"	17mmT4	MF,PS,EL,UB,NND,PAIRS=3921/3916,R=F
PGC 37038		Galaxy SB?
Apr 09 2023 36"	17mmT4	VF,PS,EL,PATCH,UB,NND,R=P
PGC 37090		Galaxy L
Apr 07 2008 31"	17mmT4	PF,PS,EL,VFSNUC,R=F
PGC 37164		Galaxy SB(rs)m
Mar 04 2006 31"	17mmT4	DIF,VF,PL,OVAL,PATCH,NND,PATCHY B AREA DET,SVRL VF*S IN GLXY,R=P
PGC 37168		Galaxy
Mar 04 2006 31"	17mmT4	MF,MS,OVAL,FSNUC,PAIR=MAC,R=F
PGC 37282		Galaxy S?
Apr 09 2008 31"	17mmT4	MF,MS,EDGO ON,NND,SHISB,ONE SIDE THICKER,VF* OFF TIP,R=F
PGC 37416		Galaxy S
Mar 17 2010 31"	17mmT4	EF,PS,EL,PATCH,UB,EXTREME AV,HOLDS FOR A BIT,COMES AND GOES,R=P
PGC 37525		Galaxy SBm
Apr 09 2023 36"	17mmT4	VDIF,EF,MS,OVAL-R,NND,V* IN GLXY,BARREN FOV,R=P
PGC 37526		Galaxy C
Mar 04 2006 31"	17mmT4	PF,MS,OVAL,FLNUC,* NUC,PAIRS=3978/3975/PGC,R=F

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PGC 37534		Galaxy S
Mar 04 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=3975/3978/PGC,R=P
PGC 37584		Galaxy SAB(s)d
Apr 09 2023 36"	17mmT4	VF,ML,R,PATCH,F* SW EDGE,SMWHT VLFNUC,R=PF
PGC 37589		Galaxy Scd:
Apr 09 2008 31"	17mmT4	VDIF,VF,MS,PATCH,UB,NND,PAIRS=PGC'S,MAC'S,R=P
Apr 09 2008 31"	17mmT4	VDIF,VF,MS,OVAL,PATCH,UB,NND/PAIRS=PGC/MAC'S,R=P
PGC 37639		Galaxy S?
Apr 09 2008 31"	17mmT4	PF,MS,PATCH,UB,NND,PAIRS=PGC/MAC'S,COMP=MAC,R=F
Apr 09 2008 31"	17mmT4	VF,MS,PATCH,UB,NND,INTRACT=MAC,CAN JUST BARELY SEP,R=F
PGC 37735		Galaxy SB(rs)cd
Apr 10 2023 36"	17mmT4	DIF,VF,MS,OVAL,PATCH,NND,R=P
PGC 38053		Galaxy S
Apr 09 2008 31"	17mmT4	VDIF,EF,VS,PATCH,AV FINALLY HOLDS,PAIRS=PGC'S,R=P
PGC 38064		Galaxy S
Apr 09 2008 31"	17mmT4	EF,VS,PATCH,V CLOSE COMP,CANNOT SEP THE 3,R=P
PGC 38065		Galaxy S0?
Apr 09 2008 31"	17mmT4	VF,PS,VFSNUC,LOOKS LIKE PATCH BALL,V CLOSE COMP,CANNOT SEP,R=P
PGC 38072		Galaxy S
Apr 09 2008 31"	17mmT4	EF,VS,PATCH,V CLOSE COMP,CANNOT SEP THE 3,R=P
PGC 38076		Galaxy E
Apr 09 2008 31"	17mmT4	EF,ES,PATCH,PAIRS=AGC1452,R=P
PGC 38092		Galaxy E
Apr 09 2008 31"	17mmT4	VF,VS,PATCH,FVSNUC,PAIRS=AGC1452,R=P
PGC 38105		Galaxy S
Apr 09 2008 31"	17mmT4	EF,VS,PATCH,PAIRS=AGC1452,R=P
PGC 38106		Galaxy E
Apr 09 2008 31"	17mmT4	EF,ES,PATCH,UB,NND,AV HOLDS,PAIRS=AGC1452,R=P
PGC 38254		Galaxy SBcd:
Apr 10 2023 36"	17mmT4	VF,MS,EL-EDGE ON,PATCH,NND,PAIR=PGC38276,R=P
PGC 38261		Galaxy S
Apr 10 2023 36"	17mmT4	VF,VS,PATCH,NND,AV FIRST THAN HOLDS,R=P

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PGC 38276		Galaxy E/S0
Apr 10 2023 36"	17mmT4	MB,PS,R,LBNUC,SHISB MID,PAIR=PGC38254,R=F
PGC 38307		Galaxy Sb
Apr 09 2008 31"	17mmT4	EF,VS,PATCH,AV ONLY ONCE,PAIRS=PGC'S,R=P
PGC 38325		Galaxy SA(r)0- pec
Apr 09 2008 31"	17mmT4	PF,MS,EL,FSNUC,CLOSE COMP=PGC38327,SLT BM,R=F
PGC 38327		Galaxy SAB0- pec:
Apr 09 2008 31"	17mmT4	PF,MS,EL,FSNUC,CLOSE COMP=PGC38325,SLT BM,R=F
PGC 38356		Galaxy Sdm:
Apr 10 2023 36"	17mmT4	DIF,VF,ML,EL,PATCH,NND,B FOV W,R=PF
PGC 38375		Galaxy Sdm:
Feb 25 2004 31"	17mmT4	VDIF,VF,PL,EL,PATCH,UB,NND,R=P
PGC 38812		Galaxy S
Apr 23 2003 12.5"	9mmT6	DIF,EF,ES,PATCH,UB,NND,AV,R=P
PGC 41841		Galaxy SBR
Mar 26 2006 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,OTHER PAIRS,R=F
PGC 41897		Galaxy
Mar 26 2006 31"	17mmT4	VF,PS,OVAL,VFSNUC,V CLOSE COMP=4547,OTHER PAIRS,R=F
PGC 42725		Galaxy S?
Mar 26 2006 31"	17mmT4	PF,PS,EL,UB,NND,CLOSE COMP=4644,R=F
PGC 42841		Galaxy S? pec
Mar 26 2006 31"	17mmT4	PF,PS,EL,BLNUC,L NUC AREA,SHISB CNTR,CLOSE COMP=PGC42844,R=F
PGC 42844		Galaxy Double System
Mar 26 2006 31"	17mmT4	VF,VS,PATCH,UB,NND,CLOSE COMP=PGC42841,R=F
PGC 43028		Galaxy S
Mar 26 2006 31"	17mmT4	PF,PS,EL,PATCH,UB,PAIR=4675,R=P
PGC 44961		Galaxy Sd
May 31 2014 36"	17mmT4	MF,PL,EDGE ON,UB,NND,PA~20,F* OFF NUC,TAPERED ENDS,R=F
PGC 45228		Galaxy SB
Apr 14 2004 31"	17mmT4	MF,PS,OVAL,FSNUC,PAIRS=4973 GRP,R=F
PGC 45255		Galaxy S?
Apr 14 2004 31"	17mmT4	VF,VS,VFSNUC,*,PAIRS=4973 GRP,R=P

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PGC 45277		Galaxy
Apr 14 2004 31"	17mmT4	EF,VS,PATCH,UB,PAIRS=4973 GRP,R=P
PGC 45334		Galaxy
Apr 14 2004 31"	17mmT4	VF,MS,OVAL,PATCH,UB,NND,PAIRS=4973 GRP,R=P
PGC 45337		Galaxy Scd:
Apr 14 2004 31"	17mmT4	VF,ES,PATCH,PAIR=MAC,R=P
PGC 45476		Galaxy SB?
Apr 14 2004 31"	17mmT4	MF,ML,OVAL,PATCH,UB,NND,SHISB,R=G
PGC 45501		Galaxy S
Apr 14 2004 31"	17mmT4	PF,PS,OVAL,FSNUC,R=F
PGC 45572		Galaxy S0/a
Apr 14 2004 31"	17mmT4	MF,MS,R,BLNUC,GRADUALLY BM,SHISB CNTR,PAIR=PGC45583,R=G
PGC 45583		Galaxy (R')SBb:
Apr 14 2004 31"	17mmT4	MF,MS,R,BLNUC,GBM,SHISB CNTR,PAIR=PGC45572,R=F
PGC 45617		Galaxy
Apr 14 2004 31"	17mmT4	VF,VS,EL,PATCH,NND,PAIR=5007,R=P
PGC 46114		Galaxy S
Apr 09 2008 31"	17mmT4	VF,VS,PATCH,UB,NND,CLOSE COMP=PGC46133,R=P
PGC 46133		Galaxy S?
Apr 09 2008 31"	17mmT4	VF,PS,OVAL,CLOSE COMP=PGC46114,VFSNUC,R=P
PGC 46620		Galaxy S
Apr 14 2004 31"	17mmT4	EDIF,EF,PL,PATCH,AV,R=P
PGC 47328		Galaxy S R
Apr 03 2005 31"	17mmT4	DIF,VF,MS,PATCH,UB,B* IN FOV,R=P
PGC 47470		Galaxy E
Apr 03 2005 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,R=F
PGC 47501		Galaxy S
Apr 03 2005 31"	17mmT4	EF,VS,PATCH,* IN GLXY CNTR,JUST A HINT OF GLXY DET,R=P
PGC 47512		Galaxy Sab
Apr 03 2005 31"	17mmT4	MF,MS,EDGE ON,UB,NND,R=F
PGC 47854		Galaxy S?
Apr 06 2008 31"	17mmT4	MF,MS,EL,UB,NND,CIGAR SHAPE,SHISB,R=F

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PGC 47926		Galaxy S
Apr 03 2005 31"	17mmT4	VF,MS,PATCH,UB,NND,R=P
PGC 48198		Galaxy S
Apr 06 2008 31"	17mmT4	DIF,VF,VS,PATCH,UB,NND,HICKSON 66,R=P
PGC 48220		Galaxy E
Apr 06 2008 31"	17mmT4	EF,ES,APPEAR AS A SMUG ALONG WITH PGC48222,AV,SUSP,HICKSON 66,R=P
PGC 48222		Galaxy S
Apr 06 2008 31"	17mmT4	EF,ES,AV FIRST THEN HOLDS,COMP=PGC48226,HICKSON 66,R=P
PGC 48226		Galaxy S0?
Apr 06 2008 31"	17mmT4	PF,VS,R,VSNUC,COMP=PGC48231/PGC48226,HICKSON 66,R=P
PGC 48231		Galaxy S
Apr 06 2008 31"	17mmT4	PF,VS,R,VSNUC,COMP=PGC48226,HICKSON 66,R=P
PGC 48439		Galaxy S
Apr 03 2005 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIRS=5278,5279,PGC,R=P
PGC 48450		Galaxy S?
Apr 03 2005 31"	17mmT4	MF,VS,ALM *,VBNUC OR B* IN CNTER,SN?,PAIRS=5278,5279,PGC,R=F
PGC 48570		Galaxy C
Apr 03 2005 31"	17mmT4	VF,VS,*NUC OR * IN GLXY,PAIRS=MAC'S,R=P
PGC 49448		Galaxy IB(s)m sp
May 16 2004 31"	17mmT4	VDIF,EF,VL,PATCH,L AREA OF EXTREME DIFUSENESS,R=P
PGC 49512		Galaxy Sm
May 16 2004 31"	17mmT4	VDIF,EF,MS,PATCH,NND,AV,PAIRS=5389/5379/5376,R=P
PGC 50413		Galaxy S
Mar 26 2006 31"	17mmT4	PF,PS,PATCH,UB,NND,R=F
PGC 50436		Galaxy Sb
Mar 26 2006 31"	17mmT4	MF,PS,OVAL,PATCH,UB,NND,SHISB,* IN GLXY EDGE,R=F
PGC 50480		Galaxy S
Mar 26 2006 31"	17mmT4	VDIF,EF,VS,PATCH,AV,R=P
WINN 4	M40	Unknown STAR
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004
Mar 02 1984 10"	20mm	MB,MS,2*S ~SAME MAG,LOC IN BARREN * FIELD
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981

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IC	945		Galaxy S
	Feb 05 2005 31"	17mmT4	EF,VS,PATCH,UB,AV,PAIR=PGC48867,R=P
IC	954		Galaxy Pec
	May 16 2004 31"	17mmT4	PF,PS,OVAL,PATCH,VFNUC,F* OFF EDGE,R=F
IC	1046		Galaxy Sc
	Feb 05 2005 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,R=F
IC	1083		Galaxy S
	Apr 14 2004 31"	17mmT4	DIF,MF,MS,PATCH,UB,NND,R=F
IC	1110		Galaxy Sa
	Apr 23 2003 12.5"	9mmT6	DIF,MF,MS,OVAL,PATCH,UB,NND,R=F
IC	1129		Galaxy Scd:
	Apr 23 2003 12.5"	9mmT6	DIF,VF,VS,OVAL,PATCH,NND,R=P
IC	1139		Galaxy
	Apr 23 2003 12.5"	9mmT6	EDIF,EF,ES,PATCH,AV,R=P
IC	1143		Galaxy E
	Apr 23 2003 12.5"	9mmT6	MF,MS,OVAL,PATCH,FNUC,SHISB,R=F
IC	1145		Galaxy Sbc
	Apr 23 2003 12.5"	9mmT6	VDIF,VF,VS,PATCH,AV HOLDS,R=P
IC	1154		Galaxy E
	Jun 01 2003 12.5"	9mmT6	VDIF,VF,VS,PATCH,R=P
IC	1187		Galaxy L
	Jun 01 2003 12.5"	9mmT6	EDIF,EF,ES,AV,SUSP,LOC GOOD,R=P
IC	4470		Galaxy S
	Jun 01 2003 12.5"	9mmT6	VDIF,EF,VS,PATCH,AV HOLDS,PAIR=5712,R=P
IC	4660		Galaxy S
	Jun 23 2003 12.5"	9mmT6	VDIF,VF,PS,PATCH,NND,AV,R=P
MAC	1348+7234		Galaxy
	May 16 2004 31"	17mmT4	VF,VS,PATCH,NND,PAIR=5340,R=P
MAC	1349+7239		Galaxy
	May 16 2004 31"	17mmT4	PF,PS,PATCH,NND,BTR THAN NGC 5340,PAIR=5340,R=P
MAC	1352+7818		Galaxy
	May 16 2004 31"	17mmT4	VF,VS,PATCH,NND,PAIR=P49217,R=P

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MAC 1642+8134		Galaxy
May 31 2014 36"	17mmT4	PF,VS,OVAL,PATCH,NND,AGC 2247,R=P
MAC 1643+8127		Galaxy
May 31 2014 36"	17mmT4	EF,ES,PATCH,AV HARD TO HOLD,AGC 2247,R=P
MAC 1646+8122		Galaxy
May 31 2014 36"	17mmT4	VF,VS,NND,AGC 2247,R=P
MAC 1646+8125		Galaxy
May 31 2014 36"	17mmT4	MF,MS,OVAL,UB,NND,SHISB,AGC 2247,R=PF
MAC 1647+8134		Galaxy
May 31 2014 36"	17mmT4	EF,VS,AV,AGC 2247,R=P
MAC 1648+8125		Galaxy
May 31 2014 36"	17mmT4	VF,VS,PACH,UB,NND,ON TO OF MAC,CANNOT SEP OR DETERMINE,AGC 2247,R=P
MAC 1648+8125A		Galaxy
May 31 2014 36"	17mmT4	VF,VS,PACH,UB,NND,ON TO OF MAC,CANNOT SEP OR DETERMINE,AGC 2247,R=P
MAC 1648+8136		Galaxy
May 31 2014 36"	17mmT4	MF,PS,R,FLNUC,AGC 2247,R=F
MAC 1649+8128		Galaxy
May 31 2014 36"	17mmT4	EF,VS,CANNOT DETERMINE WHO IS WHAT,ON TOP OF MAC,AV TOOK A WHILE,AGC 2247,R=P
MAC 1649+8128B		Galaxy
May 31 2014 36"	17mmT4	EF,VS,CANNOT DETERMINE WHO IS WHAT,ON TOP OF MAC,AV TOOK A WHILE,AGC 2247,R=P
MAC 1649+8136		Galaxy
May 31 2014 36"	17mmT4	EF,VS,V CLOSE TO F*,SUSP,AGC 2247,R=P
MAC 1651+8130		Galaxy
May 31 2014 36"	17mmT4	VF,VS,PATCH,UB,NND,AGC 2247,R=P
MAC 1653+8138		Galaxy
May 31 2014 36"	17mmT4	EF,ES,V CLOSE TO PGC59212,CAN JUST BARELY SEP,AV,R=P
MAC 1657+7833		Galaxy
May 31 2014 36"	17mmT4	VF,VS,RT,VBSNUC,AGC 2256,R=P
MAC 1658+7825		Galaxy
May 31 2014 36"	17mmT4	EF,VS,PATCH,AV FIRST THEN HOLDS,AGC 2256,R=P
MAC 1658+7829		Galaxy
May 31 2014 36"	17mmT4	VF,PS,OVAL,PATCH,UB,AGC 2256,R=P

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MAC 1658+7831		Galaxy
May 31 2014 36"	17mmT4	VF,PS,OVAL,PATCH,UB,AGC 2256,R=P
MAC 1700+7847		Galaxy
May 31 2014 36"	17mmT4	EF,VS,OVAL,AGC 2256,R=P
MAC 1700+7905		Galaxy
May 31 2014 36"	17mmT4	VF,VS,PATCH,TOOK AV WHILE,BTR THAN CLOSE PAIR=MAC,AGC 2256,R=P
MAC 1701+7831		Galaxy
May 31 2014 36"	17mmT4	EF,ES,PATCH,AV COMES AND GOES,AGC 2256,R=P
MAC 1701+7836		Galaxy
May 31 2014 36"	17mmT4	EF,ES,AV COMES AND GOES,AGC 2256,R=P
MAC 1701+7841		Galaxy
May 31 2014 36"	17mmT4	EF,ES,PATCH,AV ONLY A FEW TIMES,AGC 2256,R=P
MAC 1701+7905		Galaxy
May 31 2014 36"	17mmT4	EF,VS,PATCH,TOOK AV WHILE TO LOCATE, CLOSE PAIR=MAC,AGC 2256,R=P
MAC 1702+7845A		Galaxy
May 31 2014 36"	17mmT4	EF,VS,PATCH,SUSP,AGC 2256,R=P
MAC 1702+7845B		Galaxy
May 31 2014 36"	17mmT4	EF,VS,PATCH,AGC 2256,R=P
MAC 1703+7837		Galaxy
May 31 2014 36"	17mmT4	VF,VS,NND,V CLOSE COMP=6331,CAN SEP,AGC 2256,R=P
MAC 1703+7837A		Galaxy
May 31 2014 36"	17mmT4	EF,ES,PATCH,AV V HARD TO HOLD,AV,AGC 2256,R=P
MAC 1704+7837		Galaxy
May 31 2014 36"	17mmT4	EF,VS,PATCH,UB,AV FIRST,HARD TO HOLD,AGC 2256,R=P
MAC 1704+7848		Galaxy
May 31 2014 36"	17mmT4	VF,PS,OVAL,NND,AGC 2256,R=PF
MAC 1705+7828		Galaxy
May 31 2014 36"	17mmT4	EF,VS,OVA,NND,AV FIRST THEN HOLDS,AGC 2256,R=P
MAC 1705+7838A		Galaxy
May 31 2014 36"	17mmT4	EF,ES,PATCH,AV COMES AND GOES,AGC 2256,R=P
MAC 1705+7838B		Galaxy
May 31 2014 36"	17mmT4	EF,ES,PATCH,AV COMES AND GOES,AGC 2256,R=P

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MAC 1705+7851		Galaxy	
May 31 2014 36"	17mmT4	EF,VS,PATCH,NND,AGC 2256,R=P	
MAC 1706+7825		Galaxy	
May 31 2014 36"	17mmT4	EF,ES,PATCH,AV FIRST,AGC 2256,R=P	
MAC 1706+7830		Galaxy	
May 31 2014 36"	17mmT4	EF,ES,SUSP,AGC 2256,R=P	
MAC 1707+7836		Galaxy	
May 31 2014 36"	17mmT4	EF,ES,PATCH,LONG TIME FOR AV TO LOCATE,AGC 2256,R=P	
MAC 1707+7841		Galaxy	
May 31 2014 36"	17mmT4	EF,VS,PATCH,LOC IN BARRON FOV,AGC 2256,R=P	
MAC 1707+7853		Galaxy	
May 31 2014 36"	17mmT4	EF,ES,NND,AV,AGC 2256,R=P	
MAC 1708+7829		Galaxy	
May 31 2014 36"	17mmT4	VF,VS,PATCH,UB,NND,AGC 2256,R=P	
MAC 1708+7850		Galaxy	
May 31 2014 36"	17mmT4	VF,ES,OVAL,V CLOSE TO *,AGC 2256,R=P	
MAC 1709+7842		Galaxy	
May 31 2014 36"	17mmT4	EF,ES,PATCH,AV,SUSP,AGC 2256,R=P	
MAC 1709+7852		Galaxy	
May 31 2014 36"	17mmT4	VF,ES,PATCH,NND,AGC 2256,R=P	
MAC 1710+7832		Galaxy	
May 31 2014 36"	17mmT4	MF,VS,EL,BLNUC,V CLOSE TO *,AGC 2256,R=F	
NGC 3172		Galaxy Sb	VF,R,GBM,*11S2'
Sep 06 2002 12.5"	9mmT6	DIF,VF,PS,OVAL PATCH,NGC CLOSEST TO POLARIS,F* 1	GLXY DIA AWAY
NGC 5034		H909-3	Galaxy S?
Apr 14 2004 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,R=F	VF,VS,R
NGC 5144		H70-4	Galaxy SAc? pec
Apr 14 2004 31"	17mmT4	MF,ML,R,SHISB,PATCHY ARMS DET,R=F	(PLN),CB,S,R,G,SLBM
NGC 5262		Galaxy S0-	EF,S
Feb 05 2005 31"	17mmT4	MF,MS,OVAL,FSNUC,PAIR=PGC47875,R=F	
NGC 5314		Galaxy S?	VF,ES,STELLAR,EF*VNR
Feb 05 2005 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,SHISB,R=F	

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NGC 5323		H899-2	Galaxy Sab	VF,PS,LE0
Feb 05 2005 31"	17mmT4	MF,MS,EL-EDGE ON,UB,NND,CNTR BULGE,R=F		
NGC 5340			Galaxy S	EF,S,R
May 16 2004 31"	17mmT4	DIF,VF,MS,PATCH,UB,NND,PAIRS=MAC'S,R=P		
NGC 5344			Galaxy	VF,S,R
May 16 2004 31"	17mmT4	PF,MS,OVAL,FSNUC,SLGHTLY BM,R=F		
NGC 5412			Galaxy S0-:	PF,S,R,D*P
May 16 2004 31"	17mmT4	MF,MS,R,BLNUC,MHISB CNTR,R=G		
NGC 5415			Galaxy	EF,VS,R,2F*NR
Mar 06 2003 12.5"	9mmT6	PF,MS,EDGE ON,NND,SBM,LOC IN BARREN * FIELD,R=P		
NGC 5452		H947-3	Galaxy SAB(s)d	VF,PL,IR,VGVLBM
May 16 2004 31"	17mmT4	VDIF,VF,PL,OVAL,PATCH,UB,NND,R=P		
NGC 5479			Galaxy E/S0	EF,VS,R,NEARLYBET2*
Mar 06 2003 12.5"	9mmT6	VDIF,VF,PS,PATCH,NND,AV HOLDS,OTHER COMP CLOSE BY,R=P		
NGC 5547		H948-3	Galaxy Double System	EF,VS,E0
Mar 06 2003 12.5"	9mmT6	EDIF,EF,PS,PATCH,AV,R=P		
NGC 5607		H331-2	Galaxy Pec	PF,CS,IR,BM,ER
Jun 01 2003 12.5"	9mmT6	DIF,VF,MS,PATCH,UB,NND,R=P		
NGC 5620		H319-3	Galaxy	EF,VS
Jun 01 2003 12.5"	9mmT6	VDIF,VF,VS,PATCH,UB,F* JUST TO THE N,R=P		
NGC 5671		H882-3	Galaxy SB(r)b	VF,PL,R,BM
Jun 01 2003 12.5"	9mmT6	VDIF,VF,PS,PATCH,UB,AV HOLDS,R=P		
NGC 5712		H950-3	Galaxy	VF,S,R,S CL P
Jun 01 2003 12.5"	9mmT6	VDIF,VF,VS,PATCH,AV HOLDS,PAIR=IC4470,R=P		
NGC 5819		H311-3	Galaxy SAB(rs)bc	F,PL,TRI 2*
Apr 14 2004 31"	17mmT4	MF,PL,OVAL,PATCH,UB,NND,R=F		
NGC 5832		H332-2	Galaxy SB(rs)b?	PB,CL,IR,BP,R
Apr 14 2004 31"	17mmT4	DIF,PF,VL,OVAL,PATCH,UB,NND,R=G		
NGC 5836		H312-3	Galaxy SB(rs)b	EF,VS,LE,2*INV
Jun 21 2003 12.5"	9mmT6	MF,ML,R,*NUC,SHISB,F* IN CNTR NUC,PAIRS/5821/PGC53476,R=G		
NGC 5909		H943-3	Galaxy S?	VF,VS
Apr 23 2003 12.5"	9mmT6	MF,PS,OVAL,PATCH,SNUC,COMP=5912,R=F		

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NGC 5912 Apr 23 2003 12.5" 9mmT6	H944-3 MF,PS,OVAL,PATCH,FNUC,COMP=5909,SLT BM,R=F	Galaxy E?	VF,VS
NGC 5939 Apr 23 2003 12.5" 9mmT6	DIF,PF,MS,OVAL,PATCH,UB,NND,R=F	Galaxy S?	PB,PS,LE
NGC 6011 Apr 23 2003 12.5" 9mmT6	H313-3 MF,MS,FNUC,PATCH,F* EDGE OF GLXY,R=F	Galaxy Sb	VF,S,E90,VS*F
NGC 6048 Jun 01 2003 12.5" 9mmT6	H873-2 DIF,MF,MS,OVAL,PATCH,UB,SHISB,R=F	Galaxy E	F,R,BM
NGC 6068 Jun 01 2003 12.5" 9mmT6	H973-3 DIF,VF,MS,OVAL,UB,NND,PAIR=6068A,R=F	Galaxy SBbc?	VF,VS,LE0,R
NGC 6068A Jun 01 2003 12.5" 9mmT6	VDIF,EF,PS,EL,PATCH,AV HOLDS,PAIR=6068,R=P	Galaxy S0? sp	
NGC 6071 Jun 01 2003 12.5" 9mmT6	H883-3 EDIF,VF,VS,PATCH,AV HOLDS,R=P	Galaxy SB(s)b	EF,VS
NGC 6079 Jun 01 2003 12.5" 9mmT6	H884-3 PF,PS,R,BNUC,R=F	Galaxy E	VF,VS
NGC 6091 Jun 01 2003 12.5" 9mmT6	EDIF,EF,VS,PATCH,AV,SUSP,R=P	Galaxy	VF,VS,R,*N
NGC 6094 Apr 14 2004 31" 17mmT4	H314-3 MF,MS,R,FLNUC,R=F	Galaxy S0	VF,VS,LE
NGC 6217 Jun 22 2003 12.5" 9mmT6 Aug 13 1982 12.5" 16mm	H280-1 PB,VL,R,FNUC,SHISB,FACE ON,FSNUC,DUST SUSP,FARMS,R=E PF,PS,DIF,*NUC,OVAL,SBM,NO *S	Galaxy (R)SB(rs)bc	B,CL,LE,SLBM
NGC 6251 Jun 22 2003 12.5" 9mmT6	H974-3 PF,MS,PATCH,FNUC,SHISB TOWARDS CNTR,SBM,PAIR=6252,R=F	Galaxy E	CF,S,BM,P OF 2
NGC 6252 Jun 22 2003 12.5" 9mmT6	H975-3 EDIF,VF,VS,PATCH,NND,AV,PAIR=6251,R=P	Galaxy S R	VF,VS,F OF 2
NGC 6324 Jun 21 2003 12.5" 9mmT6	H945-3 MF,MS,PATCH,UB,NND,SHISB,R=G	Galaxy S?	VF,S,E,S*S
NGC 6331 May 31 2014 36" 17mmT4 Jun 21 2003 12.5" 9mmT6	H951-3 MF,MS,OVAL,FLNUC,V CLOSE COMP=MAC,CAN SEP,AGC 2256,R=F DIF,PF,MS,PATCH,UB,NND,OTHERS PRESENT,R=P	Galaxy E	EF,S

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PGC 47875			Galaxy Sab
Feb 05 2005 31"	17mmT4	MF,PS,OVAL,PATCH,UB,NND,R=F	
PGC 48793			Galaxy C
Feb 05 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,R=P	
PGC 48867			Galaxy Sb
Feb 05 2005 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,PAIR=IC945,R=F	
PGC 49217			Galaxy
May 16 2004 31"	17mmT4	VF,VS,PATCH,NND,PAIR=MAC,R=P	
PGC 55378			Galaxy Sbc
Apr 23 2003 12.5"	9mmT6	DIF,PF,PS,EL,PATCH,UB,NND,R=P	
PGC 55677			Galaxy Sc
Apr 23 2003 12.5"	9mmT6	VDIF,EF,ES,PATCH,AV,R=P	
PGC 58856			Galaxy S
Jul 24 2006 31"	17mmT4	EDIF,EF,ES,PATCH,AV,SUSP,PAIRS=PGC'S,R=P	
PGC 58861			Galaxy S
Jul 24 2006 31"	17mmT4	DIF,VF,VS,PATCH,UB,AV,PAIRS=PGC'S,R=P	
PGC 58873			Galaxy S
Jul 24 2006 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,PAIRS=PGC'S,R=P	
PGC 58877			Galaxy S0?
Jul 24 2006 31"	17mmT4	VF,PS,OVAL,PATCH,VFSNUC,V CLOSE INTRACT SUSP=PGC58881,R=F	
PGC 58881			Galaxy S
Jul 24 2006 31"	17mmT4	EF,ES,OVAL,PATCH,AV,SUSP,V CLOSE INTRACT SUSP,CANNOT SEP,R=P	
PGC 58884			Galaxy S
Jul 24 2006 31"	17mmT4	PF,PS,OVAL,PTACH,UB,NND,VF* IN EDGE OF GLXY,PAIRS=PGC'S,R=F	
PGC 58953			Galaxy S
May 31 2014 36"	17mmT4	PF,PS,EL,BSNUC,ALM * NUC,F* OFF NUC,AGC 2247,R=P	
PGC 59011			Galaxy S
Jun 22 2003 12.5"	9mmT6	VDIF,VF,VS,UB,NND,AV HOLDS,B* CLOSE BY,R=P	
PGC 59120			Galaxy
May 31 2014 36"	17mmT4	PF,PS,OVAL,UB,NND,AGC 2247,R=P	
PGC 59122			Galaxy
May 31 2014 36"	17mmT4	MF,MS,OVAL,UB,NND,AGC 2247,R=F	

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PGC 59143		Galaxy E
May 31 2014 36"	17mmT4	MF,MS,OVAL,UB,NND,AGC 2247,R=P
PGC 59157		Galaxy Chain
May 31 2014 36"	17mmT4	VF,VS,EL,UB,NND,2 VF* IN GLXY,AGC 2247,R=P
PGC 59174		Galaxy
May 31 2014 36"	17mmT4	PF,PS,OVAL,NND,SHISB,ON BOUNDARY OF AGC 2247,PAIRS=MANY OTHERS,R=F
PGC 59179		Galaxy E
May 31 2014 36"	17mmT4	PF,PS,OVAL,NND,ON BOUNDARY OF AGC 2247,PAIRS=MANY OTHERS,R=F
PGC 59211		Galaxy L
May 31 2014 36"	17mmT4	PF,PS,OVAL,NND,SHISB,ON BOUNDARY OF AGC 2247,PAIRS=MANY OTHERS,R=F
PGC 59212		Galaxy E
May 31 2014 36"	17mmT4	VF,VS,OVAL,NND,ON BOUNDARY OF AGC 2247,PAIRS=MANY OTHERS,TOUCH=MAC,R=FG
PGC 59443		Galaxy
May 31 2014 36"	17mmT4	VF,VS,EL,PATCH,NND,AGC 2256,R=F
PGC 59458		Galaxy S
May 31 2014 36"	17mmT4	MF,MS,OVAL,UB,NND,AGC 2256,R=F
PGC 59480		Galaxy
May 31 2014 36"	17mmT4	MF,PS,OVAL,FLNUC,AGC 2256,R=F
PGC 59523		Galaxy
May 31 2014 36"	17mmT4	PF,ES,PATCH,NND,V CLOSE TOF*,AGC 2256,R=PF
PGC 59530		Galaxy
May 31 2014 36"	17mmT4	EF,ES,PATCH,AV HOLDS,AGC 2256,R=P
PGC 59539		Galaxy L
May 31 2014 36"	17mmT4	PF,PS,EL,NND,V CLOSE TO *,AGC 2256,R=F
Jun 21 2003 12.5"	9mmT6	VDIF,VF,PS,OVAL,PATCH,UB,NND,COMP=PGC59545,PAIR=6311,R=F
PGC 59545		Galaxy E
May 31 2014 36"	17mmT4	MF,MS,OVAL,NND,AGC 2256,R=F
Jun 21 2003 12.5"	9mmT6	VDIF,VF,MS,OVAL,PATCH,UB,NND,COMP=PGC59539,PAIR=6311,R=P
PGC 59563		Galaxy E
May 31 2014 36"	17mmT4	PF,PS,EL-OVAL,PATCH,UB,NND,AGC 2256,R=F
PGC 59584		Galaxy S
May 31 2014 36"	17mmT4	VF,VS,OVAL,UB,NND,AGC 2256,R=PF

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PGC 59590 **Galaxy**
May 31 2014 36" 17mmT4 PF,PS,PATCH,NND,AGC 2256,R=F

PGC 59693 **Galaxy**
May 31 2014 36" 17mmT4 EF,VS,PTCH,AV,AGC 2256,R=P

QSO 1458+718 **Galaxy Quasar**
Apr 14 2004 31" 17mmT4 EF,VS,PATCH,*NUC,QUASAR,R=P

Vela - The Sails of the Argo

NGC 3132 **Planetary Neb 4+2** **PLN,VB,VL,LE*9M**
Dec 28 2008 31" 17mmT4 VB,PL,OVAL,B CNTR*,DARK INNER RING,B BLUEISH GREEN,8 DEG ABOVE H,OIII HELPS,R=E

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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,VSBMSN
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	Galaxy (R)SAB(s)ab pec MF,PS,FSNUC,PAIR=N4246,R=F		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 PATCHES IN ARMS,OUTSTANDING,R=E		
Mar 08 2010 31"	17mmT4	PB,PL,BSNUC,MHISB CNTR,FACE ON,F* IN OUTER ARM,SPR STR DET,DUST,PATCHY AREAS IN ARMS,F BAR DET,R=EE		
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Feb 12 1983 12.5"	24mm	PB,VL,*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			
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,VSMBMN
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		H149-2	Galaxy SB0+: sp	CF,PL,E,PSLBM,R
Jun 04 1981 12.5"	24mm	DIF,EF,ES,F HALO,PAIR/4612		
NGC 4626		H772-2	Galaxy SB(s)bc: sp	VF,CS,LE,GLBM
Mar 05 2021 36"	17mmT4	MB,ML,EL,EDGE ON,UB,NND,PAIR=N4628,R=F		
NGC 4628		H773-2	Galaxy SA(s)b: sp	CF,S,E,GBM
Mar 05 2021 36"	17mmT4	MB,ML,EL,EDGE ON,BLNUC,SHISB,VF*OFF NUC,PAIR=N4626,R=FG		
NGC 4630		H532-2	Galaxy IB(s)m?	CF,S,R,LBM
Mar 05 2021 36"	17mmT4	MB,ML,OVAL,LNUC,GBM,SHISB CNTR,R=FG		
NGC 4632		H14-1	Galaxy SAc	PB,L,E45
Mar 05 2021 36"	17mmT4	VB,VL,EL,VLNUC,SHISB CNTR,GRAN,R=GE		
NGC 4636		H38-2	Galaxy E0-1	B,L,IR,VGVMBM,R
Mar 27 1982 12.5"	12mm	DIF,MB,PS,BNUC,COMP SUSP N TIP,B* TO W,MHISB,MBM		
Jun 04 1981 12.5"	16mm	MB,ML,BNUC,DIM HALO		
NGC 4637			Galaxy S0?	DNEB W/4638,()
Mar 27 1982 12.5"	12mm	VDIF,VF,MS,NND,STELL,R,UB		
NGC 4638		H70-2	Galaxy S0- sp	F,R,GBM
Mar 27 1982 12.5"	12mm	MF,PS,EL,BNUC,OVAL,VMBM		
Jun 04 1981 12.5"	24mm	DIF,MB,PL,BNUC,DIM HALO,PAIR/M60		
NGC 4639		H125-2	Galaxy SAB(rs)bc	PB,S,E,R,*12SF1'
Mar 27 1982 12.5"	12mm	DIF,MB,PS,CLOSE TO 4654,R,SBM,F*N EDGE		
NGC 4642		H494-3	Galaxy SAB(rs)bc p sp	VF,CS,E
Mar 27 1982 12.5"	12mm	EDIF,VF,MS,SLT BM,OVAL,UB		
NGC 4643		H10-1	Galaxy SB(rs)0/a	CB,PS,LE,MBM
Mar 27 1982 12.5"	12mm	MB,MS,EL,BNUC,VMBM,HISB TOWARDS CNTR,B* OFF TO SIDE		
Jun 04 1981 12.5"	24mm	DIF,BNUC,DIM HALO		
NGC 4647		H44-3	Galaxy SAB(rs)c	PF,PL,LE115,NPOFDNEB
May 09 2010 31"	17mmT4	MB,PL,PATCHY,BLNUC,CLOSE COMP=4649,PAIR=PGC42846,R=G		
Mar 22 2004 12.5"	12mmT4	MF,ML,OVAL,PATCH,UB,CLOSE PAIR=M60,VFSNUC,R=F		
Mar 27 1982 12.5"	12mm			
Mar 27 1981 12.5"	24mm			
NGC 4649	M60		Galaxy E2	VB,PL,R,FOF DNEB
Apr 11 2015 36"	17mmT4	EB,VL,L SOFT BNUC,HISB MID,L OVAL PATCH,CLOSE COMP,R=G		
May 09 2010 31"	17mmT4	VB,VL,OVAL,BLNUC,NUC ALM UB,SBM,HISB CNTR,CLOSE COMP=4647,PAIR=PGC42846,R=E		
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 27 1982 12.5"	12mm	MF,PS,EL,BNUC,LOC IN BARREN * FIELD,PAIR/4638		

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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	VF,VS,EL,PATCH,UB,NND,PAIRS=4760/4766,R=P	Galaxy S0 sp	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	MF,MS,R,BLNUC,HISB CNTR,PAIRS=4766/4757,R=G	Galaxy E0?	PB,R
NGC 4761 May 18 2007 31" 17mmT4	MB,MS,R,BSNUC,GRAD BM,E HICKSON GRP,R=G	Galaxy E+	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	PF,PS,PATCH,UB,NND,E HICKSON GRP,R=P	Galaxy S?	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	VF,VS,EL,PATCH,UB,NND,PAIRS=4760/4757,R=P	Galaxy S0 sp	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	H653-2 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	H314-2 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	H115-3 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	H45-3 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 May 05 2021 36" 17mmT4	H506-3 MB,VL,EL-EDGE ON,UB,NND,SHISB,R=FG	Galaxy SABbc: sp	F,PL,VME17,R
NGC 5363 Feb 12 1983 12.5" 16mm	H6-1 VB,ML,BNUC,R,BM,PAIR/5364	Galaxy I0?	B,PL,R,PSBM,*8NF
NGC 5364 Feb 12 1983 12.5" 16mm	H534-2 DIF,VF,VL,R-OVAL,UB,B* CLOSE BY,PAIR/5363	Galaxy SA(rs)bc pec	CF,L,R,GBM
NGC 5369 May 05 2021 36" 17mmT4	H285-3 PB,MS,OVAL-R,BLNUC,MHISB,MBM,GRAN HALO,R=FG	Galaxy E	VF,VS,R
NGC 5374 May 05 2021 36" 17mmT4	H889-2 PB,ML,OVAL,FSNUC,MHISB,SPR STR SUSP,PATCHES,* OFF EDGE,R=G	Galaxy SB(r)bc?	CF,PL,R,VGBM,*11NP
NGC 5382 May 05 2021 36" 17mmT4	H546-3 PB,ML,EL-OVAL,BLNUC,MHISB,HISB CNTR,PAIR=N5386,R=G	Galaxy S0	VF,VS,STEL,RESOLVABL
NGC 5386 May 05 2021 36" 17mmT4	H547-3 PB,MS,EL,FLNUC,MHISB,* OFF EDGE,SLT BM,PAIR=N5382,R=G	Galaxy S0/a	VF,VS,BIN,STEL,RESOL
NGC 5387 May 05 2021 36" 17mmT4	H5387-3 PF,ML,EDGE ON,UB,NND,R=F	Galaxy Sbc: sp	VF,RAY,2'L
NGC 5392 May 05 2021 36" 17mmT4	H666-3 MB,PS,OVAL,FSNUC,SHISB,F* IN EDGE,GRADUALLY BM,R=FG	Galaxy S0+?	VF,CS,R,GBM
NGC 5400 May 05 2021 36" 17mmT4	H667-3 MB,MS,OVAL,FLNUC,SHISB CNTR,PAIRS=MAC/PGC/IC,R=F	Galaxy (R')S0-?	VF,CS
NGC 5426 Apr 26 2006 31" 17mmT4	H309-2 MF,MS,EL,FLNUC,PATCHY,IRR IN SHAPE,F HALO,PAIR=5427,R=G	Galaxy SA(s)c pec	PF,CL,R,GMBM,SP OF 2
NGC 5427 Apr 26 2006 31" 17mmT4	H310-2 PB,VL,R,FLNUC,F HALO,SPRIAL ARMS DET,PATCHY AREAS,MHISB MID,PAIR=5426,R=E	Galaxy SA(s)c pec	PF,CL,R,NF OF 2
NGC 5468 May 05 2021 36" 17mmT4	H286-3 MF,VL,PATCH,VFNUC,NND,PATCHY,SPR ARMS DET,B FOV * CLOSE BY,PAIR=N5472,R=F	Galaxy SAB(rs)cd	F,L,R,VGBM,*9SF4'
NGC 5472 May 05 2021 36" 17mmT4	H5472-3 MB,PS,EDGE ON,UB,NND,SHISB,* OFF NUC,PAIR=N5468,R=F	Galaxy SA(r)ab? sp	PF,VS,BET2VF*
NGC 5476 May 05 2021 36" 17mmT4	H287-3 MF,ML,OVAL,UB,NND,R=F	Galaxy SAB(rs)dm?	F,PS,IR
NGC 5478 May 05 2021 36" 17mmT4	H762-3 MB,MS,EL,FLNUC,SHISB,R=F	Galaxy SAB(s)bc	VF,VS

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

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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,EL,NND,SHISB,R=G		
Mar 19 2004 12.5"	12mmT4	MB,ML,OVAL,BLNUC,SHISB,CLOSE COMP=5846A,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

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IC 1299		Open Cluster	
Sep 11 2004 31"	25mm	MF,EL,LOC GOOD,SOME CL SUSPECTED,R=P	
IC 4954		Brт Nebula R	
Jun 23 2022 36"	17mmT4	(Lb 2),DIF,MB,ML,SUR oc Rosland 4.NEB BKN IN 2 PARTS N-S,W/OIII, DOESNOT HELP,NEB MOSTLY ARND OC *S,(2:54am),R=F	
Sep 11 2004 31"	17mmT4	DIF,SHISB,AREA OF NEB SUR *,B NEB,BTR W/O OIII,PAIR=ROSLUND4,R=G	
NGC 6793		H81-8	Open Cluster III 2 p
May 30 2022 36"	17mmT4	(III 2 p),EB,EL,ALM FILLS FOV,B* WITH FTR *S,~20*S,LOOSELY,SC,(2:06am),R=F	CL,P,LC
Sep 04 2002 12.5"	24mm	PB,PL,LOOSELY SC,*S ~SAME MAG	
NGC 6800		H21-8	Open Cluster IV 1 p
May 30 2022 36"	17mmT4	(IV 2 p),EF,EL,V LTL CL DET,RICH * FOV,~15*S,VAR MAG,(2:26am),R=P	CL,VL,PRI,VLC,ST10..
Sep 04 2002 12.5"	24mm	PB,PL,*S ~SAME MAG,APROX 30*S	
NGC 6802		H14-6	Open Cluster I 1 m
Sep 19 1984 12.5"	16mm	MF,ML,EL-REC SHAPE,MANY *S ~SAME MAG,MANY *S RSLV	CL,L,VC,E0,ST14...18
Jul 30 1981 12.5"	16mm	EL,*S 10...12 MAG,MF,ML	
NGC 6813		Brт Nebula E	**IN VF,S NEB
Jun 27 2003 12.5"	9mmT6	MB,ML,MHISB,L B CNTR AREA,F OUTER SHELL,UB IN CNTR,OIII,R=G	
NGC 6815		Open Cluster	CL,VL,PRI,LC,*10..15
Sep 11 2004 31"	25mm	MF,VL,LOOSE,SC,RICH * FOV,SOME CL DET,~20*S,R=P	
NGC 6820		Brт Nebula E	F,S,R,BM
Jun 23 2022 36"	31mmT5	(Lb 3),DIF,MF,EEL,SUR OC N6823,FILLS FOV,PATCHY NEB AREAS DET,W/OIII,BETTER,PATCHY AREAS EASILY DET SCAN ACROSS FOV,(2:35am),R=PF	
Jun 27 2003 12.5"	9mmT6	VDIF,EF,EL,F BG GLOW DET,DARK AREA SUSP,BTR WITH OIII,PAIR=6823,R=P	
NGC 6823		H18-7	Open Cluster I 3 m n
May 30 2022 36"	17mmT4	(I 3 m n),EB,VL,CL STANDS OUT WELL IN FOV,~30*S,*S VAR MAG,NEB DET,(2:42am),R=FG	CL,CRI,E,ST11...12
Jun 27 2003 12.5"	24mm	VB,VL,~30*,3B*S WITH MANY FTR *S,LOOSE,SC,PAIR=6820,R=F	
Sep 19 1984 12.5"	16mm	SAME,MB,PL,~20*S	
Jul 30 1981 12.5"	16mm	R,B*S RSLV,4B*S IN CL,MB,ML,*S 8...9 MAG	
NGC 6827		Open Cluster I 1 m	VF,E,DIF,SEV ST INV
Jun 27 2003 12.5"	24mm	MF,MS,F GLOW,* CLOUD JUST TO S,R=F	
Jun 27 2003 12.5"	9mmT6	PF,ML,14...16 MAG *S,PATCH OF GLOW,*S NOT RSLV,TIGHT GRP,R=G	
NGC 6830		H9-7	Open Cluster II 2 p
Sep 19 1984 12.5"	16mm	SAME,MB,ML,*S SC,DARK AREA DET IN N RGN	CL,L,PRI,PC,*11...12
Jul 30 1981 12.5"	16mm	~20*S,8...9 MAG,MB,ML	
Jul 30 1981 12.5"	24mm	EASILY DET	
NGC 6842		Planetary Neb 3b	F,PL,VLE
Jun 27 2003 12.5"	9mmT6	MB,ML,PATCHY AREAS DET,R,SHISB WITH OIII FILTER,R=E	

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NGC 6842		Planetary Neb 3b	F,PL,VLE
Jul 30 1981	12.5" 12mm	VDIF,LOC IN SMWHT BARREN * FIELD,VF,MS,F*S INSIDE OF GLOW,NOT SURE OF DET	
NGC 6853	M27	Planetary Neb 3+2	VB,VL,BIN,IE,DUMBBEL
Jul 05 2008	31" 17mmT4	VB,EL,W/OIII,MORE DETAIL,ONE SIDE MORE NEB THAN OTHER,BULGE,FINE DETAILS,CNTR*,R=E	
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Aug 20 2003	31" 25mm	EB,EL,EHISB,ABOUT DOZEN **S INSIDE NEB,DETAILED AND PATCHY,R=E	
Jun 27 2003	12.5" 9mmT6	EB,EL,OIII FILTER ABSOLUTLY UNBELIEVABLE,DETAIL IN NEBULOSITY,BEST TO DATE,R=E	
Sep 19 1984	12.5" 12mm	VB,VL,HOUR GLASS SHAPE V EASILY DET,F OUTER LOB DET BOTH SIDES	
Sep 20 1981	12.5" 24mm		
Jul 30 1981	12.5" 12mm	BLUE GREEN,**S SEEN IN NEB,VB,EL,CNTR * DET	
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Sep 10 1980	12.5" 24mm		
Sep 07 1980	12.5" 24mm		
Jul 15 1980	12.5" 24mm		
Jul 11 1980	12.5" 24mm		
Jul 05 1980	12.5" 24mm		
Jun 20 1980	12.5" 24mm		
Jun 17 1980	12.5" 24mm		
Jun 10 1980	6" 24mm		
NGC 6885		H20-8	Open Cluster III 2 m
May 30 2022	36" 31mmT5	(II 2 m),EB,EL,80% OF FOV,~100**S VAR MAG,B* IN CNTR,CL DET,(3:19am),R=G	CL,VB,VL,RI,LC,*6.11
Sep 19 1984	12.5" 16mm	SAME,MB,PL,B* CLOSE TO CNTR	
Jul 06 1983	12.5" 24mm	MB,VS,JUST N OF 6885,B* IN OBJ,~15 **S,OBLONG IN SHAPE	
Aug 13 1982	12.5" 24mm	EB,EL,OVERFILLS EYEPIECE FOV,SVRL B**S	
Jul 30 1981	12.5" 12mm	VB,VL,B* IN CNTR OF CL,~15-20**S	
NGC 6921		Galaxy SA(r)0/a:	F,S,E
Sep 14 2012	36" 17mmT4	MF,MS,OVAL,FLNUC,VF * OFF NUC SIDE,SHISB CNTR,PAIR=PGC 64775,R=F	
Jun 27 2003	12.5" 9mmT6	PB,ML,EL,BNUC,SHISB IN CNTR,SBM,BAR SUSP,EL NUC,COMP=PGC64775,R=G	
NGC 6940		H8-7	Open Cluster III 2 r
Sep 19 1984	12.5" 16mm	VB,VL,**S SC AND ~SAME MAG,FILLS FOV	CL,VB,VL,VRI,CC,STPL
Jul 30 1981	12.5" 12mm	PB,PL,L IN B* FIELD	
Jun 20 1980	12.5" 24mm	GREAT,VL,FILLS FOV,PB	
NGC 7052		H145-3	Galaxy E
Sep 14 2012	36" 17mmT4	MB,ML,OVAL,BLNUC,VF* IN EDGE,HISB CNTR,OVAL HALO SUR NUC,R=G	F,S,VLE,R
Jun 27 2003	12.5" 9mmT6	BP,PL,EL,FNUC,SHISB,F*S EDGE OF GLXY,CNTR RGN BTR,R=G	
NGC 7080		Galaxy SB(r)b	VF,S,VLE
Sep 14 2012	36" 17mmT4	MF,MS,OVAL,FSNUC,2F**S OUTER EDGE,HALO,GRAD MBM,R=F	
Jun 27 2003	12.5" 9mmT6	MF,ML,PATCH,UB,NND,2F**S S EDGE,R=F	
Aug 25 1982	12.5" 16mm	VDIF,VF,MS,2F**S E EDGE,*NUC SUSP,R,MHISB	
PGC 64775		Galaxy I	

Vulpecula - The Fox

PGC 64775**Galaxy I**

Sep 14 2012 36" 17mmT4 VF,PS,OVAL,PATCH,UC,NND,PAIR=6921,R=P
 Jun 27 2003 12.5" 9mmT6 EDIF,EF,ES,PATCH,COMP=6921,LOC GOOD,SUSP,R=P

ROS 4**Open Cluster II 3m**

Sep 11 2004 31" 17mmT4 MF,ML,LOOSELY SC,~20*S,IC4954 IS IN CL,R=F

SH2 90**Brt Nebula E**

Jun 23 2022 36" 17mmT4 (Lb 3),DIF,VF,ML,HINT OF NEB DET,LOC GOOD,W/OIII SMWHT MORE NEB DET,STILL VF,FOV SMWHT
 BARREN,(2:46am),R=P