

Leo - The Lion

IC 540				Galaxy Sbc
Jan 20 2004	31"	17mm	MF,MS,OVAL,SMALL FNUC,R=F	
IC 544				Galaxy Sbc
Feb 25 2004	31"	17mm	MF,MS,R,LARGE BNUC,MOD HISB MIDDLE,PAIR=IC545,R=F	
IC 545				Galaxy Sab
Feb 25 2004	31"	17mm	PF,PS,ELONG,SMALL FNUC,F* ON EDGE,PAIR=IC544,R=F	
IC 548				Galaxy S
Feb 25 2004	31"	17mm	PF,MS,OVAL,SMALL FNUC,2F*'S BOTH SIDES,SBM,PAIRS/2940/2939,R=F	
IC 2486				Galaxy SBbc
Jan 20 2004	31"	17mm	MF,ML,R,UB,NND,R=G	
IC 2487				Galaxy Sb
Jan 20 2004	31"	17mm	MF,PL,EDGE ON,UB,NND,CENTRAL BULGE,R=G	
IC 2490				Galaxy Sbc
Jan 20 2004	31"	17mm	MF,PL,OVAL,UB,NND,R=F	
IC 2495				Galaxy Sab
Feb 25 2004	31"	17mm	MF,MS,SMALL BNUC,GBM,R=F	
IC 2567				Galaxy SB0
Feb 25 2004	31"	17mm	MF,MS,OVAL.SMALL FNUC,STELLAR NUC,R=F	
MAC 0937+1702				Galaxy
Feb 25 2004	31"	17mm	DIF,PF,MS,PATCH,UB,PAIR=NGC2933,R=P	
MAC 0937+1705				Galaxy
Feb 25 2004	31"	17mm	DIF,VF,VS,PATCH,PAIR=NGC2933,R=P	
MAC 0937+1706				Galaxy
Feb 25 2004	31"	17mm	DIF,VF,MS,PATCH,STELLAR NUC,PAIR=NGC2933,R=P	
MAC 0938+1700				Galaxy
Feb 25 2004	31"	17mm	DIF,VF,MS,PATCH,UB,PAIRS/2943/2941,R=P	
MAC 0938+1702				Galaxy
Feb 25 2004	31"	17mm	VDIF,EF,MS,PATCH,AV,PAIRS/2943/2941,R=P	
MAC 1021+2355				Galaxy
Feb 25 2004	31"	17mm	EDIF,EF,VS,PATCH,PAIRS/3216,AV,SUSP,R=P	
MAC 1021+2357				Galaxy
Feb 25 2004	31"	17mm	VF,PS,ELONG,PATCH,PAIRS/3216,R=F	

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MAC 1021+2358			Galaxy	
Feb 25 2004	31"	17mm	VF,PS,PATCH,PAIRS/3216,R=F	
MAC 1021+2359			Galaxy	
Feb 25 2004	31"	17mm	VF,PS,PATCH,SBM,PAIRS/3216,R=F	
MAC 1022+1947			Galaxy	
Feb 25 2004	31"	17mm	PF,PS,UB,NND,COMP=PGC30397,R=P	
MAC 1022+2436			Galaxy	
Feb 25 2004	31"	17mm	MF,PS,OVAL,SMALL FNUC,BRIGHTEST MAC SEEN TO DATE,LOC=IC2569 UNKNOWN,R=F	
MAC 1117+2320			Galaxy	
Feb 15 2004	31"	17mm	VDIF,EF,ES,AV,SUSP,R=P	
MAC 1117+2643			Galaxy	
Feb 15 2004	31"	17mm	DIF,VF,PS,PATCH,UB,NND,PAIR=PGC34516,R=P	
MAC 1118+2329			Galaxy	
Feb 15 2004	31"	17mm	VF,ES,PATCH,UB,PAIRS=MACS,R=P	
MAC 1118+2332			Galaxy	
Feb 15 2004	31"	17mm	PF,VS,PATCH,SMALL FNUC,PAIRS=MACS,R=F	
MAC 1118+2332A			Galaxy	
Feb 15 2004	31"	17mm	PF,VS,PATCH,UB,PAIRS=MACS,R=F	
NGC 2893			H297-3 Galaxy SB0-a	VF,S,R,VSBM*12
Jan 20 2004	31"	17mm	PB,PS,OVAL,SMALL BNUC,HISB MIDDLE,GMBM,R=G	
NGC 2894			H8-3 d Galaxy Sa	VF,E,ER,2OR3* INV
Jan 20 2004	31"	17mm	VB,ML,R,SMALL BNUC,B*S BOTH SIDES,MOD HISB,R=G	
NGC 2896			Galaxy S	F,VS,R,*17ATT
Jan 20 2004	31"	17mm	PB,MS,R,SMALL BNUC,GMBM,F* IN EDGE,R=G	
NGC 2903			H56-1 Galaxy SBbc	CB,VL,E,GMBM,R,SPOF2
Jan 20 2004	31"	17mm	EB,EL,OVAL,VERY LARGE BNUC,HISB,BAR DET,BRT H2 REGION ONE SIDE,ARMS DET,R=E	
Jan 20 2004	31"	17mm	(CONT) BRT H2 REGION IS NGC 2905, AWESOME	
Feb 25 1984	12.5"	12mm	MB,PL,ELONG,BNUC,3*S OFF TO ONE SIDE,SBM,MOD BRT 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 Knots in Galaxy G	VF,CL,R,PSBM,R,NFOF2

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NGC 2905			H57-1	Knots in Galaxy G	VF,CL,R,PSBM,R,NFOF2
Jan 20 2004	31"	17mm			MF,MS,PATCH,BRT AREA IN NGC2903,R=F
NGC 2906			H495-2	Galaxy Sc	F,PS,LE,GBM
Jan 20 2004	31"	17mm			VB,VL,ELONG,VERY BNUC,HISB,ARMS DET,PATCHY AREAS DET,R=E
NGC 2911			H40-2	Galaxy S0	F,PL,R,GBM,P OF 2
Jan 20 2004	31"	17mm			PB,PL,R,LARGE BNUC,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,FAINT HALO
Dec 03 1980	12.5"	24mm			
NGC 2913				Galaxy Sc	VF,PL,IR
Jan 20 2004	31"	17mm			MF,ML,OVAL,LARGE FNUC,R=F
NGC 2914			H513-3	Galaxy SBab	VF,S,R,BMN,F OF 2
Jan 20 2004	31"	17mm			MB,ML,R,LARGE BNUC,SHISB,GBM,PAIRS=2911,PGC27175,R=G
NGC 2916			H260-2	Galaxy Sb	F,S,VLE
Jan 20 2004	31"	17mm			PB,PL,ELONG,LARGE BNUC,MOD HISB,BRT REGION OR * IN GAL,ARMS,PATCHY AREAS,R=E
NGC 2918			H298-3	Galaxy E	VF,CS,R,SBMN
Jan 20 2004	31"	17mm			PB,ML,OVAL,LARGE BNUC,MOD HISB,GMBM,R=G
NGC 2919				Galaxy SBbc	F,PS
Jan 20 2004	31"	17mm			MB,PL,ELONG,UB,NND,IRR IN SHAPE,R=G
NGC 2926				Galaxy SBb	VF
Feb 25 2004	31"	17mm			PB,ML,OVAL,UB,MOD HISB,R=G
NGC 2927				Galaxy SBb	F,PL,R,LBM
Feb 25 2004	31"	17mm			MF,ML,OVAL,LARGE FNUC,SBM,R=F
NGC 2928				Galaxy S	VF,S,R,BM
Feb 25 2004	31"	17mm			MF,MS,OVAL,LARGE FNUC,R=F
Feb 25 2004	31"	17mm			MF,MS,OVAL.SMALL FNUC,MOD HISB MIDDLE,R=F
NGC 2929				Galaxy Sc	EF,VS,LE,VLBM,1STOF3
Feb 25 2004	31"	17mm			MF,PL,ELONG,MOD HISB,SBM,PAIRS/2930/2931,R=G
NGC 2930				Galaxy S?	EF,S,2ND OF 3
Feb 25 2004	31"	17mm			MF,PL,OVAL,MOD HISB,SBM,PAIRS/2929/2931,R=G
NGC 2931				Galaxy S?	EF,VS,3RD OF 3
Feb 25 2004	31"	17mm			MB,ML,OVAL,MOD HISB,SBM,PAIRS/2929/2930,R=G
NGC 2933				Galaxy S?	F,VS,LE,SP OF 2

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NGC 2933			Galaxy S?	F,VS,LE,SP OF 2
Feb 25 2004	31"	17mm	PF,ML,OVAL,PATCH,UB,NND,PAIRS=MAC'S,R=F	
NGC 2939			H4-3 b Galaxy Sbc	VF,S,VLE,BM,TRI STNF
Feb 25 2004	31"	17mm	MB,VL,LARGE BNUC,MOD HISB MIDDLE,GMBM,F* IN EDGE OF GAL,PAIR/2940/IC548,R=G	
NGC 2940			Galaxy E-S0	VF,S,5'N OF2939
Feb 25 2004	31"	17mm	MB,MS,R,SMALL BNUC,SHISB,GMBM,PAIRS=2939/IC548,R=F	
NGC 2941			Galaxy S	EF,VS,LE,P OF 2
Feb 25 2004	31"	17mm	MF,MS,OVAL,SMALL FNUC,PAIRS/2943,OTHERS,R=F	
NGC 2943			Galaxy E	F,S,IR,BM,F OF2
Feb 25 2004	31"	17mm	PB,ML,OVAL,LARGE BNUC,2F*S OUTER EDGE,MOD HISB MIDDLE,PAIRS/2941,OTHERS,R=G	
NGC 2944			Galaxy Sc	F,VS,LBM
Feb 25 2004	31"	17mm	MF,MS,ELONG TO EDGEON,SLIGHTLY BM ALONG BAR,PAIR=PGC27546,R=F	
NGC 2946			Galaxy SB?	VF,S,E
Feb 25 2004	31"	17mm	MF,MS,ELONG,PATCH,UB,SBM,R=F	
NGC 2948			H519-3 Galaxy SBbc	VF,PL,VGBM
Feb 25 2004	31"	17mm	MB,ML,OVAL,SMALL FNUC,MOD HISB,SLIGHTLY BM,R=G	
NGC 2964			H114-1 Galaxy SBbc	B,VL,LE,VGBM,SP OF 3
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,FAINT NUC AND HALO	
Dec 03 1980	12.5"	24mm		
NGC 2968			H491-2 Galaxy Sa	PB,PL,LE,VGLBM,2ND-3
Feb 25 1984	12.5"	12mm	DIF,PF,PS,PATCHY,OVAL,UB,NO *S,PAIR/2964	
Jan 30 1981	12.5"	24mm	DIF,VF,VS,FAINT NUC AND HALO	
Dec 03 1980	12.5"	24mm		
NGC 3032			Galaxy SB0	F,S,SBM*12,BET2B*
Feb 25 1984	12.5"	12mm	VDIF,VF,ES,FNUC,BETWEEN 2F*S,R,SBM	
NGC 3041			H98-2 Galaxy Sbc	GCL,F,L,R,VGLBM,RR
Feb 25 1984	12.5"	12mm	VDIF,MF,PS,ELONG,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 GAL	
NGC 3067			H492-2 Galaxy SBab	PB,PL,E106,GBM,*94'P
Feb 25 1984	12.5"	12mm	DIF,VF,VS,ELONG,NND,UB,PATCHY,NO *S	
Jan 30 1981	12.5"	24mm	PF,DIF,VS,FAINT HALO	
NGC 3098			Galaxy S0-a	PB,S,E85,PSBMN
Feb 25 1984	12.5"	12mm	DIF,VF,MS,ELONG,FNUC,BM,F* 1 GAL DIA	

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NGC 3098			Galaxy S0-a	PB,S,E85,PSBMN	
Dec 03 1980	12.5"	24mm			
NGC 3107			H898-2 Galaxy Sbc	PF,PL,IR,*8NP 112"	
Jan 08 2003	12.5"	9mm	MB,MS,OVAL,MOD HISB,B*CLOSE BY,UB		
NGC 3162			H43-2 Galaxy SBbc	PF,CL,R,VGLBM,R,*INV	NGC 3575
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,FAINT HALO		
Dec 03 1980	12.5"	24mm			
NGC 3177			H25-3 Galaxy Sbc	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 SBa	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,FAINT HALO,PAIR/3190/3193		
Dec 03 1980	12.5"	24mm			
NGC 3187			Galaxy SBc/P	VF,E	
Mar 03 1984	12.5"	12mm	NO FIND,PHOTO-BURNHAM'S P1080		
NGC 3190			H44-2 Galaxy Sa	B,PS,E,PSBMN	
Feb 25 1984	12.5"	12mm	MB,PL,ELONG,MOD HISB,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	
Feb 25 1984	12.5"	12mm	MB,ML,R,BM,F* TO W,MOD HISB,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 3204			Galaxy SBb	EF,PL,GBM	
Jan 24 2004	31"	17mm	MF,MS,PATCH,UB,NND,R=F		
NGC 3216			H330-3 Galaxy E	VF,PS,R,BM	
Feb 25 2004	31"	17mm	MB,MS,OVAL,LARGE BNUC,GMBM,HISB MIDDLE,PAIRS/SEVERAL MAC'S,R=G		
NGC 3221			Galaxy SBc	EF,ME,RAY	
Feb 25 2004	31"	17mm	MB,PL,EDGE ON,SMALL FNUC,SHISB,CENTRAL BULGE,DUST LANE SUSP,PAIR=PGC30366,R=G		
NGC 3222			Galaxy SB0	F,LBM,RR,(BIN)	
Feb 25 2004	31"	17mm	PB,MS,R,LARGE BNUC,HISB MIDDLE,F* OFF EDGE,R=G		
NGC 3226			H28-2 Galaxy E2	PB,CL,R,DW/3227	

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NGC 3226		H28-2	Galaxy E2	PB,CL,R,DW/3227	
Feb 25 1984	12.5"	12mm	MB,PS,BNUC,BM,R,CLOSE PAIR/3227		
Jan 30 1981	12.5"	24mm	DIF,PB,PL,ELONG,FNUC,BRT HALO,PAIR/3227		
Dec 03 1980	12.5"	24mm	COMP CLOSE,PAIR/3227		
NGC 3227		H29-2	Galaxy SBa	PB,CL,R,DW/3226	
Feb 25 1984	12.5"	12mm	MB,MS,ELONG,BNUC,SBM,CLOSE PAIR/3226,NO *S		
Jan 30 1981	12.5"	24mm	DIF,PB,PL,ELONG,FNUC,BRT 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"	17mm	PB,MS,OVAL,SMALL BNUC,SHISB,B* ON EDGE,HISB MIDDLE,GMBM,PAIR=PGC30464,R=G		
NGC 3274		H358-2	Galaxy SBcd	F,PL,R,GLBM,D* F	
Feb 25 1984	12.5"	12mm	VDIF,VF,MS,PATCHY,WIDE TRI OF *S AROUND OBJECT,UB,NND		
Jan 30 1981	12.5"	24mm	DIF,PF,PL,FNUC,FAINT HALO		
NGC 3287			Galaxy SBcd	F,PL,D*P24S,S4'	
Mar 03 1984	12.5"	16mm	VDIF,EF,S,PATCH-OVAL,NND,UB,NO *S		
NGC 3300		H55-3	Galaxy SB0	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	NGC 3760
Feb 25 1984	12.5"	12mm	VDIF,MB,ML,EDGE ON,BNUC,MOD HISB		
Jan 30 1981	12.5"	24mm	PB,PL,ELONG,BNUC,DIM HALO		
Dec 03 1980	12.5"	24mm			
NGC 3338		H77-2	Galaxy Sc	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 SBc	CF,VL,R,VGLBMB,ER	
Feb 25 1984	12.5"	12mm	VDIF,VF,MS,PATCHY,OVAL,NND		
Jan 30 1981	12.5"	24mm	PB,PL,ELONG,BNUC,DIM HALO		
Dec 03 1980	12.5"	24mm	FAINT AND DIF		
NGC 3351		M95	Galaxy SBb	B,L,R,PGMBMN	M 95
Mar 19 2004	12.5"	12mm	MESSIER MARATHON 2004		
Mar 02 1984	10"	20mm	SAME		
Feb 25 1984	12.5"	12mm	MB,PL,BNUC,FAINT HALO,HISB TOWARDS MIDDLE		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Jan 30 1981	12.5"	24mm	VB,VL,BNUC,BRIGHT HALO		
Dec 03 1980	12.5"	24mm			
NGC 3367		H78-2	Galaxy SBc	PB,CL,IR,VGLBMB,R,1-3	

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NGC 3367		H78-2	Galaxy SBc	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,FAINT HALO,PAIR/3377			
NGC 3368	M96	Galaxy SBab	VB,VL,LE,VSVMBM,R	M 96	
Mar 19 2004	12.5" 12mm	MESSIER MARATHON 2004			
Mar 02 1984	10" 20mm	SAME			
Feb 25 1984	12.5" 16mm	MB,PL,ELONG,BNUC,BM,HISB IN MIDDLE			
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981			
Jan 30 1981	12.5" 24mm	DIF,VB,VL,ELONG,BNUC,BRIGHT HALO			
Dec 03 1980	12.5" 24mm				
NGC 3370		H81-2	Galaxy Sc	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,FAINT HALO			
NGC 3377		H99-2	Galaxy E5	VB,CL,LE,SVMBMBN	
Feb 25 1984	12.5" 12mm	MB,PS,PATCHY,UB IN MIDDLE,R			
Jan 30 1981	12.5" 24mm	PB,PL,BNUC,PAIR/3367			
NGC 3379	M105	H17-1	Galaxy E1	VB,CL,R,PSBM,R	M 105
Mar 19 2004	12.5" 12mm	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)	VB,L,R,PSMBM,2ND OF3	
Feb 25 1984	12.5" 16mm	MB,ML,ELONG,BNUC,BM,PAIR/3379/3389			
Mar 27 1981	12.5" 24mm				
Jan 30 1981	12.5" 24mm	VB,PL,BNUC,FAINT HALO,PAIR/3379/3389			
Dec 03 1980	12.5" 24mm				
NGC 3389		H41-2	Galaxy SA(s)	F,L,E PF,VGLBM,3RD-3	
Feb 25 1984	12.5" 16mm	DIF,MF,ML,ELONG,PATCHY,UB,NND,PAIR/3379/3384			
Mar 27 1981	12.5" 24mm				
Jan 30 1981	12.5" 24mm	DIF,PF,PL,FAINT HALO,PAIR/3379/3384			
Dec 03 1980	12.5" 24mm				
NGC 3412		H27-1	Galaxy SB0	B,S,LE135,SMBMN	
Feb 25 1984	12.5" 12mm	MB,PS,ELONG,BNUC			
Jan 30 1981	12.5" 24mm	PB,PS,BNUC			
NGC 3433		H20-3	Galaxy Sc	VF,VL,R,VGBM	
Mar 03 1984	12.5" 16mm	NO FIND,SETTING CIRCLES GOOD,TRANSPARANCY GOOD			

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NGC 3437		H47-2	Galaxy SBc	PB,PL,LE120,GBM
Feb 25 1984	12.5" 16mm	DIF,MF,MS,EDGE ON,UB		
Jan 30 1981	12.5" 24mm	PB,PL,ELONG TO EDGE ON,FNUC,FAINT HALO		
NGC 3455		H82-2	Galaxy SBb	PF,S,E,GBM,R,SF OF 2
Mar 03 1984	12.5" 12mm	EDIF,EF,MS,F* TO N 1 GAL DIA,PATCHY,NND,UB,OVAL		
NGC 3485		H100-2	Galaxy SBb	F,L,R,GLBM,R
Feb 25 1984	12.5" 12mm	VDIF,VF,MS,ELONG,F* E EDGE,NND,PATCHY		
Jan 30 1981	12.5" 24mm	DIF,EF,PS,EXTREMELY FAINT HALO,PAIR/3489		
NGC 3489		H101-2	Galaxy SB0-a	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 3495		H498-3	Galaxy Scd	VF,PL,ME
Mar 03 1984	12.5" 12mm	EDIF,EF,MS,ELONG,PATCHY,UB,NND,TRI OF *S AROUND GAL,F*E 1 GAL DIA		
NGC 3501			Galaxy Sc	VF,ME NS,GBM,3'LONG
Jan 08 2003	12.5" 9mm	PB,PL,EDGE ON,LOC IN BARRON * FIELD,UB,SLIGHT BULGE IN CENTER		
NGC 3506		H22-3	Galaxy Sc	VF,CS,R,VGVLBM
Mar 03 1984	12.5" 12mm	VDIF,VF,MS,UB,PATCHY-OVAL,NND,NO *S		
NGC 3507		H7-4	Galaxy SBb	CF,PL,R,SBMS*,*9ATT
Jan 08 2003	12.5" 9mm	VB,VL,BNUC,B*ON EDGE OF GAL,HISB,SMALL CENTRAL REGION		
NGC 3521		H13-1	Galaxy SBbc	CB,CL,ME140,VSMBMN
Feb 25 1984	12.5" 12mm	MB,PL,ELONG,BNUC,VERY MBM,SMALL BRT NUC		
Jan 30 1981	12.5" 24mm	VB,PL,ELONG,BNUC,DIM HALO		
NGC 3524		H23-3	Galaxy S0-a	F,S,LE,PSBM,2*NPLINE
Jan 08 2003	12.5" 9mm	MB,ML,ELONG,FNUC,SBM,HISB TOWARDS MIDDLE,OVAL,PAIR/PGC33588		
NGC 3547		H42-2	Galaxy Sb	F,S,LE,VLBM
Mar 03 1984	12.5" 12mm	VDIF,VF,MS,PATCH-OVAL,NND,UB,NO *S		
NGC 3593		H29-1	Galaxy S0-a	B,CL,E90,PSMBM
Mar 03 1984	12.5" 12mm	MB,PL,EDGE ON,BNUC,TAPPED ENDS,NO *S,BM		
Mar 27 1981	12.5" 24mm			
Jan 30 1981	12.5" 24mm	PB,PL,EDGE ON,BNUC,DIM HALO,PAIR/3596		
NGC 3596		H102-2	Galaxy SBc	PF,L,R,GLBM
Mar 03 1984	12.5" 12mm	DIF,MB,PL,FNUC,SMALL FAINT NUC,R,TRI OF *S AROUND OBJECT,SBM		
Jan 30 1981	12.5" 24mm	DIF,PF,PL,DIM OUTER HALO,PAIR/3593		
NGC 3599		H49-2	Galaxy S0	B,PS,R,PGMBM

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NGC 3599		H49-2	Galaxy S0	B,PS,R,PGMBM	
Jan 08 2003	12.5"	9mm	DIF,MF,MS,DNUC,R,FACE ON,GMBM,MOD HISB IN MIDDLE,SMALL NUC REGION		
NGC 3605		H27-3	Galaxy E4	F,S,R,SP OF 3	
Mar 03 1984	12.5"	12mm	MF,PS,FNUC,PATCHY,SBM,CLOSE PAIR/3607		
Jan 30 1981	12.5"	24mm	DIF,EF,ES,FAINT HALO SUSP,PAIR/3607/3608		
NGC 3607		H50-2	Galaxy E-S0	VB,L,R,VMBM,2ND OF 3	
Mar 03 1984	12.5"	12mm	VB,ML,BNUC,R,BM,PAIRS/3608/3605		
Jan 30 1981	12.5"	24mm	PB,PL,BNUC,PAIR/3605/3608		
Jun 10 1980	6"	24mm	VERY DIFFICULT TO FIND. NO GUIDE *S		
NGC 3608		H51-2	Galaxy E2	B,PL,R,PSBM,3RD OF 3	
Mar 03 1984	12.5"	12mm	MB,ML,BNUC,SLIGHTLY ELONG,BM,SEVERAL *S NE AND NW,PAIR/3607/3605		
Jan 30 1981	12.5"	24mm	DIF,PF,PL,ELONG,FAINT NUC AND HALO,PAIR/3605/3607		
NGC 3609			Galaxy Sab	PF,S,BM	
Feb 15 2004	31"	17mm	MB,MS,OVAL,SMALL BNUC,VF* OFFONE SIDE,GBM,PAIR=3612/PGC34516,R=F		
NGC 3611		H521-2	Galaxy SA(s)	PF,CS,IR,PSMBM,*NP3'	
Mar 03 1984	12.5"	12mm	DIF,VF,VS,FNUC,R,BM,B* TO W		
NGC 3612			Galaxy Scd	PL,DIF,*10,11NF2'	
Feb 15 2004	31"	17mm	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"	17mm	PB,ML,ELONG,LARGE BNUC,BMBM,MOD HISB MIDDLE,PAIRS=3618/PGC34547,R=G		
NGC 3618		H334-3	Galaxy SBb	VF,S,F OF 2	
Feb 15 2004	31"	17mm	MF,ML,OVAL,PATCH,UB,NND,PAIRS=3615/PGC34547,R=F		
NGC 3623		M65	Galaxy SBa	B,VL,ME165,GBMBN	M 65
Mar 19 2004	12.5"	12mm	MESSIER MARATHON 2004		
Feb 15 2004	31"	17mm	EB,EL,EDGE ON,LARGE BNUC,HISB,ARMS AND DUST,M65,BEST SEEN TODATE,R=E		
Mar 03 1984	12.5"	12mm	VB,VL,EDGE ON,BNUC,BARM,LARGE BRT NUC,TAPPERED 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,BRIGHT 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	NGC 3632
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 SBb	B,VL,ME150,MBM,2*NP	M 66

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NGC 3627	M66	Galaxy SBb	B,VL,ME150,MBM,2*NP	M 66
Mar 19 2004	12.5" 12mm	MESSIER MARATHON 2004		
Feb 15 2004	31" 17mm	EB,EL,OVAL,LARGE BNUC,BRT BAR,SPR ARMS DET,DUST DET,HISB,M66, BEST TODATE,R=E		
Mar 03 1984	12.5" 12mm	VB,VL,EDGE ON,BNUC,GBM,VERY BRT SMALL NUC,B*NW,FAINTER * SW		
Mar 02 1984	10" 20mm	SAME		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jan 30 1981	12.5" 24mm	EB,EL,ELONG,BNUC,BRT HALO,PAIR/3626/3628		
Dec 03 1980	12.5" 24mm			
Jun 10 1980	6" 24mm			
Apr 18 1980	6" 24mm	CLOSE PAIR/M65		
NGC 3628		H8-5 Galaxy Sb	PB,VL,VME102	
Mar 03 1984	12.5" 12mm	DIF,MF,PL,EDGE ON,VF*S S OF EAST ARM,DARK LANES DET,UB,NND		
Mar 27 1981	12.5" 24mm			
Jan 30 1981	12.5" 24mm	DIF,PF,EL,EDGE ON,FAINT HALO,PAIR/M66/M65/3626		
Dec 03 1980	12.5" 24mm			
Jun 10 1980	6" 24mm	BETWEEN 2 F*S,SAME FOV AS M65/M66		
NGC 3629		H338-2 Galaxy SBc	CF,L,R,VGVLBM	
Mar 03 1984	12.5" 12mm	VDIF,VF,MS,F* S EGDE,OVAL,UB,NND		
NGC 3630		Galaxy S0-a	PB,S,R,SMBMN	NGC 3645
Mar 03 1984	12.5" 12mm	MF,PS,ELONG,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 3646		H15-3 Galaxy Ring	CF,CL,LE,GBM,SP OF 2	
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,FAINT ARMS		
NGC 3655		H5-1 Galaxy Sc	PB,PS,IR,BM,R	
Mar 03 1984	12.5" 12mm	DIF,MB,PS,MOD HISB,OVAL,UB		
Jan 30 1981	12.5" 24mm	DIF,PB,VS,DNUC,FAINT HALO		
NGC 3659		H53-2 Galaxy SBm	CF,S,LE,R	
Mar 03 1984	12.5" 12mm	VDIF,MF,MS,PATCHY,OVAL,NND,UB,NO *S		
NGC 3664		Galaxy SBm/P	PF,BIN	
Mar 03 1984	12.5" 12mm	NO FIND,B* IN FIELD		
NGC 3665		H219-1 Galaxy S0	CB,CL,IR,PGMBM	
Mar 15 1985	12.5" 16mm	MF,MS,FNUC,SMALL BRT NUC,F* TO N,MOD HISB,LARGE NUC REGION		
Oct 22 1982	12.5" 16mm	MB,ML,DNUC,OVAL,MOD HISB TOWARDS CENTER,LARGE NUC AREA		
NGC 3666		H20-1 Galaxy SBc	F,E90,*6F34S,5'N	

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NGC 3666		H20-1	Galaxy SBc	F,E90,*6F34S,5'N
Mar 03 1984	12.5" 12mm	DIF,MF,MS,VERY EDGE ON,F*N FROM NUC,SBM		
NGC 3681		H159-2	Galaxy SBbc	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,SEVERAL COMP		
NGC 3684			Galaxy Sbc	PB,PL,E,VGBM
Mar 03 1984	12.5" 12mm	DIF,MF,PS,FNUC,PATCHY,OVAL,SBM,SEVERAL COMP		
Jan 30 1981	12.5" 24mm	DIF,PF,PL,DIM HALO,SEVERAL COMP		
NGC 3686		H160-2	Galaxy SBbc	PB,L,VLE,VGBM,R
Mar 03 1984	12.5" 12mm	DIF,MF,ML,F* IN S ARM,BRT * TO N,UB,OVAL,NND,VF*SW SIDE,SEVERAL COMP		
Jan 30 1981	12.5" 24mm	DIF,PF,PL,DIM HALO,SEVERAL COMP		
NGC 3689		H339-2	Galaxy SBc	PB,PL,LE,BM
Mar 03 1984	12.5" 12mm	MF,MS,ELONG,SBM,CIGAR SHAPE		
NGC 3691		H54-2	Galaxy SB/P	F,PS,LE,R
Mar 03 1984	12.5" 12mm	VDIF,VF,MS,OVAL,PATCHY,UB,NND,F*E 1 GAL DIA		
Jan 30 1981	12.5" 24mm	DIF,EF,PS,EF HALO DET,SEVERAL COMP		
NGC 3705		H13-2	Galaxy SBab	PF,PL,R,VSMBM,R
Mar 03 1984	12.5" 12mm	MB,ML,EDGE ON,BNUC,SMALL BRT NUC,SBM,NO *S		
Jan 30 1981	12.5" 24mm	DIF,PF,PL,ELONG,FNUC,DIM HALO		
NGC 3719			Galaxy Sbc	VF,NP OF 2
Mar 03 1984	12.5" 12mm	VDIF,VF,VS,R,OVAL,UB,NND,PAIR/3720		
NGC 3720			Galaxy Sa	VF,SF OF 2
Mar 03 1984	12.5" 12mm	VF,UB,NND,PAIR/3719		
NGC 3773		H81-3	Galaxy S0	CF,CS,R,PSBM
Mar 03 1984	12.5" 12mm	VF,ES,STELL WITH FAINT GLOW,NOT SURE OF FIND		
NGC 3810		H21-1	Galaxy Sc	B,L,VLE
Mar 03 1984	12.5" 12mm	DIF,MB,ML,OVAL,SBM,NO *S		
Jan 30 1981	12.5" 24mm	DIF,PB,PL,FNUC,FAINT HALO		
Jun 10 1980	6" 24mm	PB,STAR HOP FROM BETA		
NGC 3872		H104-2	Galaxy E5	B,S,R,SMBM*
Mar 03 1984	12.5" 12mm	MF,PS,BNUC,R,BM,NO *S		
NGC 3900		H82-1	Galaxy S0-a	B,PL,VLE0,BMN
Mar 03 1984	12.5" 12mm	MB,PL,ELONG,BNUC,SBM,BETWEEN 2B*S		
Feb 12 1983	12.5" 16mm	MF,ML,DNUC,OVAL,BM,TRI OF *S AROUND GAL		
Jan 30 1981	12.5" 24mm	PF,PL,ELONG,FNUC,FAINT HALO		

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NGC 3912			H342-2	Galaxy SAB	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	
NGC 4008			H368-2	Galaxy E5	PB,PS,E,PSBM,*INV N
Mar 03 1984	12.5"	12mm		VF,VS,FNUC,SMALL FAINT NUC,SLIGHTLY ELONG,F*N SEVERAL GAL DIA	
Jan 30 1981	12.5"	24mm		DIF,PF,PS,FNUC,FAINT HALO	
PGC 27175				Galaxy S	
Jan 20 2004	31"	17mm		MF,MS,EDGE ON,UB,NND,SLIGHT BULGE,PAIRS=2914,2911,R=F	
PGC 27405				Galaxy	
Feb 25 2004	31"	17mm		PF,MS,PATCH,UB,NND,R=F	
PGC 27434				Galaxy S	
Feb 25 2004	31"	17mm		VF,MS,PATCH,UB,PAIR=PGC27435,R=P	
PGC 27435				Galaxy S	
Feb 25 2004	31"	17mm		PF,MS,PATCH,UB,PAIR=PGC27434,R=F	
PGC 27493				Galaxy	
Feb 25 2004	31"	17mm		PF,VS,R,PAIRS/2943/2941,R=F	
PGC 27546				Galaxy SB(r)	
Feb 25 2004	31"	17mm		MF,VS,VERY SMALL BNUC,SHISB,STELL NUC,PAIR=2944,R=F	
PGC 30328				Galaxy Sab	
Feb 25 2004	31"	17mm		MF,MS,ELONG,SMALL FNUC,SBM,PAIRS/3216,R=F	
PGC 30366				Galaxy C	
Feb 25 2004	31"	17mm		PF,PS,OVAL,PATCH,PAIR=3221,R=P	
PGC 30397				Galaxy	
Feb 25 2004	31"	17mm		MF,MS,OVAL,SMALL FNUC,COMP=MAC,R=F	
PGC 30431				Galaxy	
Feb 25 2004	31"	17mm		PF,VS,OVAL,VERY SMALL FNUC,ABELL 999,R=F	
PGC 30432				Galaxy L	
Feb 25 2004	31"	17mm		PF,PS,OVAL,SMALL FNUC,ABELL 999,R=F	
PGC 30456				Galaxy	
Feb 25 2004	31"	17mm		PF,PS,OVAL,SMALL FNUC,ABELL 999,R=F	
PGC 30464				Galaxy S	
Feb 25 2004	31"	17mm		PF,MS,OVAL,PATCH,UB,NND,PAIR=3230,R=F	

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PGC 33588

Galaxy

Jan 08 2003 12.5" 9mm EDIF,EF,ES,PATCH,COMES AND GOES,STELLAR,PAIR/3524

PGC 34516

Galaxy L

Feb 15 2004 31" 17mm DIF,VF,PS,PATCH,UB,NND,PAIR=3609/MAC,R=P

PGC 34547

Galaxy C

Feb 15 2004 31" 17mm MF,PS,OVAL,STELL NUC OR *,PAIRS=3615/3618,R=F