

## Leo Minor - The Little Lion

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

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

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<b>IC 2598</b>		<b>Galaxy Sa</b>
Feb 15 2004 31"	17mmT4	MF,MS,OVAL,PATCH,UB,NND,R=F
<b>IC 2604</b>		<b>Galaxy SB(s)m pec?</b>
Jan 08 2003 12.5"	9mmT6	DIF,PF,PS,OVAL,PATCH,UB,NND
<b>IC 2606</b>		<b>Galaxy S?</b>
Feb 15 2004 31"	17mmT4	MF,MS,EL,BSNUC,*NUC,PAIRS=IC2607/MAC,R=F
<b>IC 2607</b>		<b>Galaxy SBab</b>
Feb 15 2004 31"	17mmT4	PF,MS,EL,PATCH,UB,NND,PAIRS=IC2606/MAC,R=P
<b>IC 2608</b>		<b>Galaxy S</b>
Jan 08 2003 12.5"	9mmT6	VDIF,VF,VS,R,PATCH,*NUC OR EF* IN GLXY SUSP
<b>IC 2612</b>		<b>Galaxy E</b>
Feb 15 2004 31"	17mmT4	MF,MS,OVAL,FSNUC,R=F
<b>MAC 0949+3443</b>		<b>Galaxy</b>
Dec 20 2003 31"	17mmT4	PF,PS,PATCH,UB,NND,PAIR=3012,R=P
<b>MAC 0955+3712</b>		<b>Galaxy</b>
Dec 20 2003 31"	17mmT4	VF,ES,NND,ALM *,PAIR=IC2518,R=P
<b>MAC 1000+3529</b>		<b>Galaxy</b>
Dec 26 2003 31"	17mmT4	VF,PS,PATCH,NND,R=P
<b>MAC 1002+3242</b>		<b>Galaxy</b>
Dec 26 2003 31"	17mmT4	DFI,EF,PS,PATC,NND,PAIR=3099 AND OTHERS,R=P
<b>MAC 1013+3836</b>		<b>Galaxy</b>
Dec 26 2003 31"	17mmT4	VF,ES,PATCH,UB,NND,VF* IN GLXY,ALM *,R=P
<b>MAC 1013+3844</b>		<b>Galaxy</b>
Dec 26 2003 31"	17mmT4	VF,VS,PATCH,UB,NND,R=P
<b>MAC 1021+3627</b>		<b>Galaxy</b>
Jan 24 2004 31"	17mmT4	DIF,VF,VS,PATCH,UB,NND,R=P
<b>MAC 1022+3830</b>		<b>Galaxy</b>
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
<b>MAC 1022+3834</b>		<b>Galaxy</b>
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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<b>MAC 1022+3835</b>		<b>Galaxy</b>	
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	
<b>MAC 1041+3715</b>		<b>Galaxy</b>	
Feb 15 2004 31"	17mmT4	EF,VS,PATCH,AV,PAIR=3334,R=P	
<b>MAC 1044+3039</b>		<b>Galaxy</b>	
Feb 15 2004 31"	17mmT4	VF,PS,PATCH,UB,NND,PAIR=3350,R=P	
<b>MAC 1049+3802</b>		<b>Galaxy</b>	
Feb 15 2004 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,VF* ON EDGE,PAIRS=IC2606/IC2607,R=P	
<b>MAC 1050+2831</b>		<b>Galaxy</b>	
Feb 15 2004 31"	17mmT4	VDIF,EF,VS,PATCH,UB,NND,PAIR=3400,R=P	
<b>MAC 1051+2800</b>		<b>Galaxy</b>	
Feb 15 2004 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=3414/3418,R=P	
<b>MAC 1052+3005</b>		<b>Galaxy</b>	
Apr 09 2008 31"	17mmT4	EF,ES,PATCH,R=P	
<b>MAC 1052+3636</b>		<b>Galaxy</b>	
Apr 09 2008 31"	17mmT4	EFID,EF,ES,PATCH,AV ONCE,DOES NOT HOLD,SUSP,PAIRS=3432/PGC32617,R=P	
<b>MAC 1053+3250B</b>		<b>Galaxy</b>	
Feb 15 2004 31"	17mmT4	VDIF,EF,VS,PATCH,PAIR=MAC,R=P	
<b>MAC 1054+3251</b>		<b>Galaxy</b>	
Feb 15 2004 31"	17mmT4	VDIF,EF,VS,PATCH,PAIR=MAC,R=P	
<b>MAC 1103+2854</b>		<b>Galaxy</b>	
Feb 15 2004 31"	17mmT4	VDIF,EF,ES,PATCH,UB,NND,R=P	
<b>MAC 1105+2958</b>		<b>Galaxy</b>	
Apr 09 2008 31"	17mmT4	VF,PS,ATCH,UB,NND,PAIRS=PGC'S/MAC'S,R=P	
<b>MAC 1105+3004</b>		<b>Galaxy</b>	
Apr 09 2008 31"	17mmT4	VF,VS,OVAL,*NUC OR VF* IN GLXY,PAIRS=PGC'S/MAC'S,R=P	
<b>NGC 2859</b>		<b>H137-1 Galaxy (R)SB(r)0+</b>	<b>VB,PL,R,SMBM</b>
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		
<b>NGC 2922</b>		<b>Galaxy Im?</b>	<b>VF,S,IR,LBM,R</b>
Dec 20 2003 31"	17mmT4	MF,PL,EDGE ON,PATCH,UB,NND,R=G	

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

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<b>NGC 3126</b>		<b>Galaxy Sb</b>	<b>F,S,LE,N=*15</b>
Dec 26 2003 31"	17mmT4	MF,ML,EDGE ON,BSNUC,CNTR BULGE,DUST SUSP,R=G	
<b>NGC 3150</b>		<b>Galaxy Sb</b>	<b>VF,S</b>
Dec 26 2003 31"	17mmT4	DIF,PF,MS,OVAL,PATCH,UB,NND,R=F	
<b>NGC 3151</b>		<b>Galaxy SA0:</b>	<b>VF,VS</b>
Dec 26 2003 31"	17mmT4	MF,MS,FSNUC,R=F	
<b>NGC 3152</b>		<b>Galaxy (R')SB0^:</b>	<b>EF,VS,IR,EF*CLOSE SP</b>
Dec 26 2003 31"	17mmT4	MF,MS,OVAL,FSNUC,R=F	
<b>NGC 3158</b>		<b>H639-2 Galaxy E3:</b>	<b>CB,CS,R,PSBM,R</b>
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	
<b>NGC 3159</b>		<b>Galaxy E2 pec:</b>	<b>VF,VS,STELLAR</b>
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	
<b>NGC 3160</b>		<b>Galaxy S</b>	<b>VF,VS,LE</b>
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 AVERTED VISION,3 OF 5 COMP	
<b>NGC 3161</b>		<b>Galaxy E2</b>	<b>VF,VS</b>
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,AVERTED VISION,4 OF 5 COMP	
<b>NGC 3163</b>		<b>H640-2 Galaxy SA0-:</b>	<b>F,S,R,GBM</b>
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	
<b>NGC 3219</b>		<b>Galaxy E</b>	<b>EF,S,R,LBM</b>
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	
<b>NGC 3232</b>		<b>Galaxy S?</b>	<b>EF,*11P150",P OF 2</b>
Jan 24 2004 31"	17mmT4	DIF,PF,PS,PATCH,UB,NND,R=F	
<b>NGC 3235</b>		<b>Galaxy S0-:</b>	<b>F,S,F OF 2</b>
Jan 24 2004 31"	17mmT4	MF,MS,OVAL,PATCH,FLNUC,SBM,PAIR=IC2572,R=F	
<b>NGC 3245</b>		<b>H86-1 Galaxy SA(r)0^?:</b>	<b>VB,PL,E0, SMBMEN</b>
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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<b>NGC 3245A</b>		<b>Galaxy SB(s)b sp</b>	
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	
<b>NGC 3254</b>		<b>H72-1</b>	<b>Galaxy SA(s)bc</b>
Feb 25 1982 12.5"	16mm	DIF,MB,PL,EL,BNUC,F*SW SVRL GLXY DIA,GMBM,TAPERED,KNTY STR SUSP,DIF HALO	<b>CB,L,ME45,PSMBMN</b>
Dec 03 1980 12.5"	24mm		
<b>NGC 3265</b>		<b>H349-3</b>	<b>Galaxy E:</b>
Feb 21 2020 36"	17mmT4	MB,MS,OVAL,BLNUC,MHISB,F* OFF EDGE,R=F TIME 12:04AM	<b>PF,S,R,PSBM,*SF</b>
Feb 25 1982 12.5"	16mm	VDIF,VF,ES,FNUC,ALM STELL,*NUC DET,R	
<b>NGC 3272</b>		<b>Galaxy</b>	<b>F,VS,IR,3277 NF</b>
Jan 24 2004 31"	17mmT4	VDIF,VF,PS,PATCH,UB,NND,R=P	
<b>NGC 3277</b>		<b>H359-2</b>	<b>Galaxy SA(r)ab</b>
Feb 21 2020 36"	17mmT4	MB,MS,OVAL-R,BNUC,MHISB,R=G,TIME 12:10AM	<b>CB,CS,R,PGMBM</b>
Feb 25 1982 12.5"	16mm	DIF,MF,MS,FNUC,SBM,R	
Dec 03 1980 12.5"	24mm		
<b>NGC 3294</b>		<b>H164-1</b>	<b>Galaxy SA(s)c</b>
Feb 15 2004 31"	17mmT4	VB,EL-OVAL,PATCH,UB,NND,PATCHY AREAS DET,KNOTS AND DUST DET,R=E	<b>CB,L,ME135,GLBM</b>
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		
<b>NGC 3304</b>		<b>H615-3</b>	<b>Galaxy SB(s)a?</b>
Jan 24 2004 31"	17mmT4	MF,MS,EL,FLNUC,GBM,R=F	<b>VF,CS,PSBM,ER</b>
<b>NGC 3323</b>		<b>Galaxy SB?</b>	<b>VF,VS,R,LBM</b>
Jan 24 2004 31"	17mmT4	MF,MS,OVAL,PATCH,FLNUC,SIGHTLY HISB,SBM,R=F	
<b>NGC 3327</b>		<b>H348-2</b>	<b>Galaxy SA(r)b:</b>
Feb 15 2004 31"	17mmT4	PB,ML,R,BLNUC,SHISB,B* OFF ONE SIDE,R=G	<b>VF,S,R,GBM,VS*ATT</b>
<b>NGC 3334</b>		<b>H641-2</b>	<b>Galaxy S0?</b>
Feb 15 2004 31"	17mmT4	MB,PL,R,BLNUC,MHISB,GMBM,PAIR=MAC,R=G	<b>CF,VS,R,BM</b>
<b>NGC 3344</b>		<b>H81-1</b>	<b>Galaxy (R)SAB(r)bc</b>
Dec 03 1980 12.5"	24mm	BNUC,2F*S ON EDGE	<b>CB,L,GBM,*INV,2ST F</b>
<b>NGC 3350</b>		<b>Galaxy S0</b>	<b>EF,VS,2*9,10S</b>
Feb 15 2004 31"	17mmT4	PF,MS,OVAL,FSNUC,PAIR=MAC,R=F	
<b>NGC 3380</b>		<b>H360-2</b>	<b>Galaxy (R')SBa?</b>
Feb 21 2020 36"	17mmT4	MF,MS,OVAL,FNUC,R=F,TIME 12:16AM	<b>PB,PS,R,SBM</b>
Feb 15 2004 31"	17mmT4	PB,ML,EL,BSNUC,SHISB CNTR,R=F	

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<b>NGC 3381</b>		<b>H565-2</b>	<b>Galaxy SB pec</b>	<b>PF,CL,IR,VGLBM,1ST-3</b>
Feb 15 2004 31"	17mmT4	DIF,MF,VL,OVAL,PATCH,UB,NND,R=G		
<b>NGC 3395</b>		<b>H116-1</b>	<b>Galaxy SAB(rs)cd pec:</b>	<b>CB,PS,ILE,1ST OF 2</b>
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		
<b>NGC 3396</b>		<b>H117-1</b>	<b>Galaxy IBm pec</b>	<b>PB,PS,ILE,2ND OF 2</b>
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		
<b>NGC 3400</b>		<b>H361-2</b>	<b>Galaxy SB(s)a:</b>	<b>PF,S,R,BM</b>
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		
<b>NGC 3413</b>		<b>H493-2</b>	<b>Galaxy S0 sp</b>	<b>F,S</b>
Jan 08 2003 12.5"	9mmT6	PB,MS,BNUC,R,SLT HISB,PAIR/3430/3424		
<b>NGC 3414</b>		<b>H362-2</b>	<b>Galaxy S0 pec</b>	<b>B,PL,R,MBM</b>
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			
<b>NGC 3418</b>		<b>H363-2</b>	<b>Galaxy SAB(s)0/a:</b>	<b>CF,S,R,BM</b>
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		
<b>NGC 3424</b>		<b>H494-2</b>	<b>Galaxy SB(s)b:?</b>	<b>PF,PL,LE,SP OF 3</b>
Jan 08 2003 12.5"	9mmT6	PB,ML,EDGE ON,STR SUSP,DUST,F* IN EDGE,HISP,PAIR/3430/3413		
<b>NGC 3430</b>		<b>H118-1</b>	<b>Galaxy SAB(rs)c</b>	<b>PB,L,IE,GBM,2ND OF 3</b>
Jan 08 2003 12.5"	9mmT6	PB,PL,OVAL,HISB,UB,NND,PAIR/3424/3413		
<b>NGC 3432</b>		<b>H172-1</b>	<b>Galaxy SB(s)m sp</b>	<b>PB,PL,VME40,**NR SP</b>
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			
<b>NGC 3442</b>			<b>Galaxy Sa?</b>	<b>F,VS,R,MBM,(R)</b>
Feb 15 2004 31"	17mmT4	PB,MS,R,BVLNUC,HISB,LOOKS LIKE L PLANETARY NEB,THIN HALO ARMS,R=G		
<b>NGC 3451</b>		<b>H364-2</b>	<b>Galaxy Sd</b>	<b>F,PL,VLE,VLBM</b>



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<b>NGC 3451</b>		<b>H364-2</b>	<b>Galaxy Sd</b>	<b>F,PL,VLE,VLBM</b>
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		
<b>NGC 3486</b>		<b>H87-1</b>	<b>Galaxy SAB(r)c</b>	<b>CB,CL,R,GMBM</b>
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			
<b>NGC 3493</b>			<b>Galaxy S?</b>	<b>VF,R,BM,*SP</b>
Feb 15 2004 31"	17mmT4	MB,MS,EL,UB,NND,R=F		
<b>NGC 3504</b>		<b>H88-1</b>	<b>Galaxy (R)SAB(s)ab</b>	<b>B,L,E,MBMN,RR,P OF 2</b>
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			
<b>NGC 3510</b>		<b>H365-2</b>	<b>Galaxy SB(s)m sp</b>	<b>F,L,CE,*7NF8'</b>
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		
<b>NGC 3512</b>		<b>H366-2</b>	<b>Galaxy SAB(rs)c</b>	<b>F,PS,R,PGBM,F OF 2</b>
Feb 21 2020 36"	17mmT4	MB,ML,OVAL,VFLNUC,R=FG,TIME 12:37AM		
Dec 03 1980 12.5"	24mm			
<b>NGC 3515</b>			<b>Galaxy SAc:</b>	<b>VF,S,R,SEV EF* INV</b>
Feb 15 2004 31"	17mmT4	MF,MS,OVAL,PATCH,NND,R=F		
<b>PAL 15</b>			<b>Globular</b>	
Jun 25 2019 36"	17mmT4	(Class ?),LOC E,JUST A FEW F*S WHERE OBJECT IS LOC,R=P		
<b>PGC 26704</b>			<b>Galaxy SBb</b>	
Dec 20 2003 31"	17mmT4	DIF,VF,VS,PATCH,UB,NND,R=P		
<b>PGC 29034</b>			<b>Galaxy Sm</b>	
Dec 26 2003 31"	17mmT4	PF,MS,EL,PATCH,UB,PAIR=IC2530,R=P		
<b>PGC 29088</b>			<b>Galaxy</b>	
Dec 26 2003 31"	17mmT4	PF,MS,FSNUC,PAIR=3099 AND OTHERS,R=F		
<b>PGC 29818</b>			<b>Galaxy SBb</b>	
Dec 26 2003 31"	17mmT4	DIF,PF,ML,EL,PATCH,UB,NND,R=F		
<b>PGC 30101</b>			<b>Galaxy S</b>	
Jan 24 2004 31"	17mmT4	VF,VS,PATCH,UB,NND,R=P		
<b>PGC 30116</b>			<b>Galaxy</b>	

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

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**PGC 33488**

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

**Galaxy S**

**PGC 33503**

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

**Galaxy**

**PGC 33512**

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

**Galaxy L**

**PGC 33573**

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

**Galaxy SBb**