

Leo - The Lion

IC 601			Galaxy S?
Apr 19 2006	31"	19mmW	PF,PS,EON,NND,R=F
IC 602			Galaxy S:
Apr 19 2006	31"	19mmW	VB,PL,OVAL,BNUC,HISB,R=G
IC 606			Non-Existent
Apr 19 2006	31"	19mmW	PB,PL,OVAL,BNUC,MSB,R=G
IC 607			Galaxy SB(rs)bc
Apr 19 2006	31"	19mmW	DIFF,PF,PL,OVAL,NND,R=F
IC 610			Galaxy Sbc
Apr 19 2006	31"	19mmW	PB,VL,EON,UB,HISB,R=G
IC 612			Galaxy S
Apr 19 2006	31"	19mmW	B,PS,OVAL,UB,R=F
IC 613			Galaxy E
Apr 19 2006	31"	19mmW	PB,PL,R,FNUC,R=G
IC 615			Galaxy S
Apr 19 2006	31"	19mmW	PB,VL,EON,FNUC,MSB,R=G
IC 616			Galaxy Scd:
Apr 19 2006	31"	19mmW	PF,PL,R,NND,R=F
IC 620			Galaxy
Apr 19 2006	31"	19mmW	F,PS,OVAL,UB,NND,R=F
IC 635			Galaxy S?
Apr 19 2006	31"	19mmW	F,PL,EON,UB,NND,R=F
IC 637			Galaxy
Apr 19 2006	31"	19mmW	F,PS,R,NND,R=F
IC 638			Galaxy SAB(s)bc
Apr 19 2006	31"	19mmW	PF,PS,OVAL,NND,R=F
IC 639			Galaxy Sb
Apr 19 2006	31"	19mmW	PF,PS,CE,UB,NND,R=F
IC 642			Galaxy E?
Apr 19 2006	31"	19mmW	PB,PL,R,FNUC,MSB,R=G
IC 643			Galaxy
Apr 19 2006	31"	19mmW	B,PL,CE,FNUC,MSB,R=G

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IC 648			Galaxy Sc
Apr 19 2006	31"	19mmW	F,PL,OVAL,NND,R=F
IC 663			Galaxy
Apr 19 2007	31"	17mmT4	PF,PS,OVAL,UB,NND,R=F
IC 664			Galaxy S0?
Apr 19 2007	31"	17mmT4	FB,L,OVAL,UB,NND,R=F
IC 666			Galaxy
Apr 19 2007	31"	17mmT4	B,PS,OVAL,UB,NND,R=F
IC 676			Galaxy (R)SB(r)0+
Mar 08 2013	18"	7mm TV	PF,PS,OVAL,UB,NND,R=F
IC 677			Galaxy Sbc
Mar 08 2013	18"	7mm TV	PF,PS,OVAL,PEXT,UB,NND,R=F
IC 683			Galaxy D
Apr 15 2007	31"	17mmT4	PF,PS,R,UB,NND,R=F
IC 700			Galaxy S0?
Apr 26 2008	31"	17mmT4	VF,VS,OVAL,UB,NND,R=F
IC 732			Galaxy S0?
May 07 2007	31"	17mmT4	PF,PS,OVAL,UB,NND,R=F
IC 2551			Galaxy S?
Apr 19 2006	31"	19mmW	B,S,OVAL,FNUC,MSB,R=G
IC 2562			Galaxy S
Apr 19 2006	31"	19mmW	B,S,OVAL,NND,R=F
IC 2567			Galaxy LB
Apr 19 2006	31"	19mmW	PF,CS,OVAL,NND,R=F
IC 2579			Non-Existent
Apr 19 2006	31"	19mmW	PB,PL,EON,BNUC,MSB,R=G
IC 2583			Galaxy
Apr 19 2006	31"	19mmW	PB,PS,OVAL,BNUC,MSB,R=G
IC 2590			Galaxy S0
Apr 19 2006	31"	19mmW	PB,PL,R,BNUC,MSB,R=G
IC 2626			Galaxy
Apr 19 2007	31"	17mmT4	F,PS,EON,NND,R=F

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IC 2626			Galaxy
Apr 19 2006	31"	19mmW	PF,PS,EON,NND,R=F
IC 2759			Galaxy S?
Apr 26 2008	31"	17mmT4	PB,S,OVAL,UB,NND,R=F
IC 2914			Galaxy S
May 14 2010	31"	17mmT4	CF,CS,OVAL,MEXT,NND,R=F
IC 2955			Galaxy
May 07 2007	31"	17mmT4	PB,PS,OVAL,UB,NND,R=G
IC 2982			Galaxy L
Apr 28 2006	31"	19mmW	PF,PS,OVAL,NND,R=F
MAC 1012+1243			Galaxy
Apr 15 2007	31"	17mmT4	PF,PS,R,NND,R=F
MAC 1013+1702			Galaxy
Apr 15 2007	31"	17mmT4	F,PS,EON,NND,R=F
MAC 1018+0708			Galaxy
Apr 19 2006	31"	19mmW	VF,VS,R,NND,AV,R=F
MAC 1018+2742			Galaxy
Apr 21 2007	31"	17mmT4	CF,CS,R,NND,AV,R=F
MAC 1021+1927			Galaxy
Apr 21 2007	31"	17mmT4	F,S,OVAL,NND,AV,R=F
MAC 1022+1947			Galaxy
Apr 21 2007	31"	17mmT4	F,CS,OVAL,NND,AV,R=F
MAC 1023+1056			Galaxy
Apr 19 2006	31"	19mmW	VF,VS,R,NND,AV,R=F
MAC 1023+2001			Galaxy
Apr 21 2007	31"	17mmT4	VF,CS,OVAL,NND,AV,R=F
MAC 1044+1403			Galaxy
Apr 07 2008	31"	17mmT4	VF,VS,EON,NND,AV,R=F
MAC 1044+1406			Galaxy
Apr 07 2008	31"	17mmT4	PF,VS,OVAL,NND,R=F
MAC 1047+1238			Galaxy
Apr 13 2005	31"	17mmT4	MF,MS,EL,OVAL,ND,R=F

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MAC 1047+1246 Galaxy

Apr 13 2005 31" 17mmT4 MF,MS,OVAL,NND,R=F

MAC 1049+1616 Galaxy

Apr 07 2008 31" 17mmT4 PF,PS,OVAL,NND,LSB,R=F

MAC 1049+1617 Galaxy

Apr 07 2008 31" 17mmT4 VF,VS,R,NND,AV,R=F

MAC 1104+0501 Galaxy

Apr 19 2007 31" 17mmT4 VF,VS,R,NND,AV,R=F

MAC 1109+2157 Galaxy

Apr 19 2007 31" 17mmT4 PF,VS,OVAL,UB,NND,R=F

MAC 1109+2158 Galaxy

Apr 19 2007 31" 17mmT4 PF,VS,EON,UB,NND,R=F

MAC 1110+2158 Galaxy

Apr 19 2007 31" 17mmT4 PF,CS,OVAL,UB,NND,R=F

MAC 1110+2206 Galaxy

Apr 19 2007 31" 17mmT4 VF,VS,OVAL,NND,R=F

MAC 1110+2208 Galaxy

Apr 19 2007 31" 17mmT4 VF,VS,OVAL,NND,R=F

MAC 1110+2213 Galaxy

Apr 19 2007 31" 17mmT4 VF,VS,OVAL,NND,AV,R=F

MAC 1118+0937 Galaxy

Apr 15 2007 31" 17mmT4 VF,VS,OVAL,NND,AV,R=F

MAC 1120+0255A Galaxy

Apr 15 2007 31" 17mmT4 VF,VS,R,NND,R=F

MAC 1120-0558 Galaxy

Apr 15 2007 31" 17mmT4 VF,VS,EON,NND,AV,R=F

MAC 1120+1340 Galaxy

Feb 23 2006 31" 17mmT4 FB,FL,OVAL,NND,R=G

MAC 1145+1952 Galaxy

May 07 2007 31" 17mmT4 VF,PS,R,NND,AV,R=F

MAC 1145+2001 Galaxy

May 07 2007 31" 17mmT4 VF,VS,R,NND,AV,R=F

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MAC 1145+2026			Galaxy	
May 07 2007 31"	17mmT4	PF,PS,OVAL,UB,NND,R=F		
MAC 1146+1944B			Galaxy	
May 07 2007 31"	17mmT4	CF,CS,R,UB,NND,R=F		
MAC 1146+2026			Galaxy	
May 07 2007 31"	17mmT4	PF,PS,EON,NND,V,R=F		
MAC 1150+2111			Galaxy	
May 07 2007 31"	17mmT4	CF,PS,EON,UB,NND,R=F		
MAC 1150+2116			Galaxy	
May 07 2007 31"	17mmT4	PF,CS,OVAL,UB,NND,R=F		
MAC 1150+2119			Galaxy	
May 07 2007 31"	17mmT4	VF,VS,R,NND,AV,R=F		
NGC 2862			Galaxy S?	F,S,E,BM
Apr 09 2010 12"	11mmT6	CF,PS,EON,UB,NND,R=F		
NGC 2872		H57-2	Galaxy E2	PF,PS,R,BM
Mar 08 2010 12"	7.5mmW	CF,CS,R,NND,R=F		
May 13 2007 8"	7.5mmW	VF,VS,R,NND,AV,R=F		
NGC 2874			Non-Existent	VF,PL,ME
Mar 08 2010 12"	7.5mmW	CF,CS,MEXT,NND,F=F		
NGC 2882			Galaxy S?	F,PL,E
Apr 09 2010 12"	11mmT6	CF,PS,OVAL,UB,NND,R=F		
NGC 2894		H8-3	Galaxy Sa	VF,E,ER,2OR3* INV
Apr 09 2010 12"	11mmT6	PF,CS,OVAL,UB,NND,R=F		
NGC 2903		H56-1	Galaxy SAB(rs)bc	CB,VL,E,GMBM,R,SPOF2
Apr 20 2018 12"	11mmT6			
Feb 17 2012 18"	11mmT6	OBSERVED WITH 18" ASTROSYSTEMS		
Apr 26 2006 8"	19mmW	PB,PL,EL,EON,BNUC,HISB,R=G		
May 12 2004 8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5		
Apr 05 2004 8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**		
Mar 10 2004 8"	25mmPL	N/M, NO COMPUTER		
NGC 2905		H57-1	Knot in Galaxy	VF,CL,R,PSBM,R,NFOF2
Mar 20 2007 8"	11mmT6	PB,L,OVAL,FNUC,USB,R=G		
Mar 29 2006 8"	11mmT6	PB,PL,EON,BNUC,R=G		
Apr 05 2004 8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		

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NGC 2906		H495-2	Galaxy Scd:	F,PS,LE,GBM
Mar 16 2010 12"	11mmT6	CF,CS,OVAL,MEXT,UB,NND,R=G		
NGC 2911		H40-2	Galaxy SA(s)0: pec	F,PL,R,GBM,P OF 2
Mar 16 2010 12"	11mmT6	CF,CS,OVAL,UB,NND,R=F		
NGC 2913			Galaxy S?	VF,PL,IR
Mar 30 2014 18"	7mm TV	VF,VS,OVAL,MEXT,NND,R=F		
NGC 2916		H260-2	Galaxy SA(rs)b?	F,S,VLE
Apr 02 2008 8"	11mmT6	PF,PS,OVAL,NND,AV,R=F		
Feb 10 2005 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 2918		H298-3	Galaxy E	VF,CS,R,SBMN
Apr 09 2010 12"	11mmT6	PF,PS,OVAL,UB,NND,R=F		
NGC 2919			Galaxy SAB(r)b:	F,PS
Apr 09 2010 12"	11mmT6	VF,VS,OVAL,NND,AV,R=P		
NGC 2927			Galaxy SAB(rs)b	F,PL,R,LBM
Mar 06 2005 8"	11mmT6	VF,VS, OVAL,NND,AV,R=F		
NGC 2939		H4-3	Galaxy Sbc	VF,S,VLE,BM,TRI STNF
Mar 16 2010 12"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 2943			Galaxy E	F,S,IR,BM,F OF2
Apr 09 2010 12"	11mmT6	CF,PS,OVAL,UB,NND,R=F		
NGC 2964		H114-1	Galaxy SAB(r)bc:	B,VL,LE,VGBM,SP OF 3
Feb 10 2005 8"	11mmT6	MB,ML,EL,OVAL,PATCHY,NND,MSB,R=G		
NGC 2968		H491-2	Galaxy I0	PB,PL,LE,VGLBM,2ND-3
Feb 10 2005 8"	11mmT6	DIFF,MF,MS,OVAL,NND,AV,R=F		
NGC 2970			Galaxy E1:	F,NF OF 3
Apr 13 2005 31"	17mmT4	MB,OVAL,NND,R=F		
NGC 2981			Galaxy SAB(rs)bc:	VF
Apr 13 2005 31"	17mmT4	VF,MS,OVAL,NND,AV,R=F		
NGC 2988			Galaxy SBbc	EF,P 2991
Apr 28 2006 31"	19mmW	CF,CS,R,FNUC,R=F		
NGC 3020		H51-3	Galaxy SB(r)cd:	EF,PS,LE0,R
Apr 29 2011 12"	5mm TV	CF,PS,OVAL,MEXT,R=F,PA=50		
NGC 3032			Galaxy SAB(r)0^	F,S,SBM*12,BET2B*

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NGC 3032			Galaxy SAB(r)0[^]	F,S,SBM*12,BET2B*
Feb 10 2005	8"	11mmT6	VF,VS,EL,NND,AV,R=F	
NGC 3041			H98-2 Galaxy SAB(rs)c	GCL,F,L,R,VGLBM,RR
Apr 05 2005	8"	11mmT6	MF,MS,OVAL,NND,AV,R=F	
NGC 3049			Galaxy SB(rs)ab	VF,VS,F*V NR
Apr 17 2015	18"	8mm Ds	VF,PS,OVAL,UB,NND,R=F	
NGC 3053			H600-3 Galaxy SBa?	VF,S,VLE,GBM
Mar 16 2010	12"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
NGC 3067			H492-2 Galaxy SAB(s)ab?	PB,PL,E106,GBM,*94'P
Apr 05 2005	8"	11mmT6	MF,MS,EL,OVAL,NND,R=F	
NGC 3070			H59-2 Galaxy E	PB,PS,R,GMBMN,AM3ST
Mar 29 2006	8"	11mmT6	PF,PS,OVAL,NND,AV,R=F	
NGC 3094			Galaxy SB(s)a	F,BM,*9 30"SF
Apr 07 2008	31"	17mmT4	B,S,OVAL,UB,HSB,R=G	
NGC 3098			Galaxy S0 sp	PB,S,E85,PSBMN
Apr 05 2005	8"	11mmT6	VF,MS,EL,EON,NND,R=F	
NGC 3107			H898-2 Galaxy Sbc:	PF,PL,IR,*8NP 112"
Apr 07 2008	31"	17mmT4	F,S,OVAL,UB,NND,R=F	
NGC 3119			Non-Existent	VF
Apr 07 2008	31"	17mmT4	F,PS,OVAL,UB,NND,R=F	
NGC 3130			Galaxy S0/a	EF,S,PSBM,*5SF
Apr 15 2007	31"	17mmT4	PB,L,OVAL,FNUC,R=G	
NGC 3131			Galaxy SBb:	PB,PS,PME,GBM
Apr 15 2007	31"	17mmT4	PB,PL,EON,FNUC,R=G	
NGC 3153			H53-3 Galaxy Scd:	EF,PL,VLE,R,ST INV
Apr 15 2007	31"	17mmT4	PB,VL,OVAL,NND,R=G	
NGC 3154			Galaxy Sb	F,S,R,LBM
Apr 15 2007	31"	17mmT4	PB,L,EL,OVAL,FNUC,MSB,R=G	
NGC 3162			H43-2 Galaxy SAB(rs)bc	PF,CL,R,VGLBM,R,*INV
Apr 05 2005	8"	11mmT6	DIFF,VF,ML,OVAL,NND,AV,R=F	
NGC 3177			H25-3 Galaxy SA(rs)b	CF,S,R,PSBM
Apr 15 2007	31"	17mmT4	VB,PL,OVAL,BNUC,HISB,R=G	

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NGC 3177		H25-3	Galaxy SA(rs)b	CF,S,R,PSBM
Mar 20 2007 8"	11mmT6	PF,VS,R,NND,AV,R=F		
NGC 3185			Galaxy (R)SB(r)a	PF,PL,GMBM
Apr 15 2007 31"	17mmT4	PB,L,OVAL,FNUC,MSB,R=G		
Apr 05 2005 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 3186			Galaxy S	PF,VS,GBM,SEVF*NR
Apr 15 2007 31"	17mmT4	VF,L,R,NND,AV,R=F		
NGC 3187			Galaxy SB(s)c pec	VF,E
Apr 15 2007 31"	17mmT4	PB,L,EL,OVAL,NND,R=G		
NGC 3189			Knot in Galaxy	VVF,ME,PARALLEL-3190
Apr 05 2005 8"	11mmT6	VF,EON,BOTTOM OF NGC 3190		
NGC 3190		H44-2	Galaxy SA(s)a pec sp	B,PS,E,PSBMN
Apr 15 2007 31"	17mmT4	VB,PL,EON,BNUC,HISB,R=G		
Apr 26 2006 8"	11mmT6	F,PS,EL,OVAL,NND,R=F		
Apr 05 2005 8"	11mmT6	MF,ML,EL,EON,FNUC,R=G		
NGC 3193		H45-2	Galaxy E2	B,S,VLE,PSLBM,*9NF
Apr 15 2007 31"	17mmT4	VB,L,R,BNUC,HISB,R=G		
Apr 26 2006 8"	11mmT6	PF,PS,R,NND,R=F		
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
NGC 3196		H348-3	Galaxy	EEF,PS,LE
Apr 21 2007 31"	17mmT4	PF,PS,OVAL,NND,R=F		
NGC 3204			Galaxy SAB(r)b	EF,PL,GBM
Apr 21 2007 31"	17mmT4	F,PS,OVAL,NND,R=F		
NGC 3209			Galaxy E	F,S,R,HAS A *
Apr 21 2007 31"	17mmT4	PB,PLMOVAL,BNUC,R=G		
NGC 3213			Galaxy Sbc:	VF,VS,R,R
Apr 21 2007 31"	17mmT4	DIFF,CF,PL,OVAL,UB,NND,R=F		
NGC 3216		H330-3	Galaxy E:	VF,PS,R,BM
Apr 21 2007 31"	17mmT4	PF,PS,OVAL,FNUC,R=F		
NGC 3221			Galaxy SB(s)cd: sp	EF,ME,RAY
Apr 21 2007 31"	17mmT4	DIFF,PF,PL,EON,NND,R=F		
NGC 3222			Galaxy SB0:	F,LBM,RR,(BIN)
Apr 21 2007 31"	17mmT4	PB,PL,OVAL,FNUC,R=F		
Mar 20 2007 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		

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NGC 3226		H28-2	Galaxy E2: pec	PB,CL,R,DW/3227
Apr 26 2006 8"	11mmT6	PF,PS,OVAL,NND,R=F		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 3227		H29-2	Galaxy SAB(s)a pec	PB,CL,R,DW/3226
Apr 26 2006 8"	11mmT6	F,S,EL,R,NND,R=F		
Mar 23 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 3230			Galaxy S0	PF,PS,SBM*14,*9S19"
Apr 21 2007 31"	17mmT4	PB,PL,EL,OVAL,FNUC,MSB,R=G		
NGC 3239		H10-4	Galaxy IB(s)m pec	VF,*9INV NR M
Apr 21 2007 31"	17mmT4	DIFF,PF,CL,OVAL,NND,R=F		
NGC 3248		H347-2	Galaxy S0	PB,S,R,PSBM
Apr 21 2007 31"	17mmT4	PB,PL,EL,OVAL,FNUC,MSB,R=G		
NGC 3253			Galaxy SAB(rs)bc	VF,PS,R
Apr 21 2007 31"	17mmT4	DIFF,PF,PL,R,NND,R=F		
NGC 3270		H331-3	Galaxy SAB(r)b:	CF,VS,E,GLBM
Apr 21 2007 31"	17mmT4	PB,PL,EON,FNUC,R=G		
NGC 3274		H358-2	Galaxy SABd?	F,PL,R,GLBM,D* F
Apr 05 2005 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 3279			Galaxy Sd	F,ME
Apr 19 2006 31"	19mmW	B,PL,MEON,UB,NND,R=G		
NGC 3287			Galaxy SB(s)d	F,PL,D*P24S,S4'
Apr 21 2007 31"	17mmT4	DIFF,PF,PL,EL,OVAL,NND,R=F		
NGC 3299		H54-3	Galaxy SAB(s)dm	EF,CL,R,VGBM,R
Apr 21 2007 31"	17mmT4	DIFF,CF,PL,OVAL,NND,AV,R=F		
NGC 3300		H55-3	Galaxy SAB(r)0^:?	CF,CS,R,PMBM,R,AMBST
Apr 21 2007 31"	17mmT4	CB,PL,OVAL,FNUC,MSB,R=G		
NGC 3301		H46-2	Galaxy SB0-a	CB,S,LE53,PSBM,R
Mar 06 2005 8"	11mmT6	MB,MS,EL,FNUC,MSB,R=G		
NGC 3303		H66-3	Galaxy Pec	VF,VS,VLE,GLBM,R
Apr 21 2007 31"	17mmT4	PF,PL,OVAL,UB,NND,R=F		
NGC 3306			Galaxy SB(s)m?	F,S,R
Apr 21 2007 31"	17mmT4	PF,PS,EON,UB,NND,R=F		

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NGC 3332		H272-1	Galaxy (R)SA0-	VF,S,LE130
Apr 21 2007 31"	17mmT4	DIFF,PF,PL,R,NND,R=F		
NGC 3338		H77-2	Galaxy SA(s)c	F,CL,E,VGBM,*7P10S
May 15 2017 12"	7mm TV	VF,PS,OVAL,UB,NND,R=F		
Apr 26 2009 16"	17mmT4	PF,PS,EL,OVAL,UB,NND,R=F		
Mar 06 2005 8"	11mmT6	VF,MS,EL,OVAL,PATCHY,NND,AV,R=G		
NGC 3346		H7-5	Galaxy SB(rs)cd	CF,VL,R,VGVLBM,ER
Apr 21 2007 31"	17mmT4	DIFF,PF,PL,R,NND,R=F		
NGC 3349			Galaxy Sc	EF,VS
Apr 21 2007 31"	17mmT4	DIFF,CF,CS,R,NND,R=F		
NGC 3351	M95		Galaxy SB(r)b	B,L,R,PGMBMN
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
May 06 2007 1.9"	12x50	PF,PS,OVAL,NND,R=F		
Mar 19 2006 8"	19mmW	FB,L,OVAL,RNUC,HISB,R=G		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Feb 25 2004 8"	25mmPL	1ST. QTR.		
NGC 3352			Galaxy S0	PB,S,R,BMN
Apr 07 2008 31"	17mmT4	B,PS,OVAL,FNUC,R=F		
NGC 3356		H107-3	Galaxy Sbc	VF,PS,R,BM,*9S150"
Apr 21 2007 31"	17mmT4	PB,PL,EL,OVAL,FNUC,MSB,R=G		
NGC 3357			Galaxy E+:	F,S,MBM
Apr 07 2008 31"	17mmT4	B,PS,R,FNUC,HSB,R=G		
NGC 3362			Galaxy SABc	VF,PS,R,LBM,R
Apr 07 2008 31"	17mmT4	F,L,OVAL,UB,NND,R=F		
NGC 3363			Galaxy S?	F,PS,IR,LBM,R
Apr 07 2008 31"	17mmT4	F,L,OVAL,UB,NND,R=F		
NGC 3367		H78-2	Galaxy SB(rs)c	PB,CL,IR,VGLBM,R,1-3
May 15 2017 12"	7mm TV	VF,PS,R,UB,NND,R=G		
Apr 26 2009 16"	17mmT4	PF,CS,R,UB,NND,R=F		
Mar 19 2004 8"	25mmPL	*12.0 MAG. 2004 MESSIER MAR.*		
NGC 3368	M96		Galaxy SAB(rs)ab	VB,VL,LE,VSVMBM,R
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		

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NGC 3368	M96	Galaxy SAB(rs)ab	VB,VL,LE,VSVMBM,R
Mar 08 2010 12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009	
May 06 2007 1.9"	12x50	PF,PS,OVAL,NND,R=F	
Mar 19 2006 8"	19mmW	FB,L,OVAL,RNUC,HISB,R=G	
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Feb 25 2004 8"	25mmPL	1ST. QTR.	
NGC 3370		H81-2 Galaxy SA(s)c	CB,PL,VLE,GBM,R
May 13 2007 8"	11mmT6	PF,PS,OVAL,NND,AV,R=F	
NGC 3371		Galaxy	EF,R,2ND OF 3
May 15 2017 12"	7mm TV	PF,PS,OVAL,MEXST,FNUC,R=F	
NGC 3373		Galaxy SA0:	F,R,3RD OF 3
May 15 2017 12"	7mm TV	PF,VS,OVAL,MEXTMFNUC,R=G	
NGC 3377		H99-2 Galaxy E5-6	VB,CL,LE,SVMBMBN
May 15 2017 12"	7mm TV	PF,PS,OVAL,FNUC,R=G	
Apr 26 2009 16"	17mmT4	PF,PS,OVAL,FNUC,R=F	
Apr 26 2006 8"	11mmT6	VF,PS,OVAL,NND,AV,R=F	
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS	
NGC 3377A		Galaxy SAB(s)m	
May 15 2017 12"	7mm TV	VF,VS,OVAL,UB,NND,R=F	
NGC 3379	M105	H17-1 Galaxy E1	VB,CL,R,PSBM,R
Mar 16 2012 18"	17mmAT	2012 M.M.	
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010 12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009	
Apr 02 2008 8"	11mmT6	PB,PLM,R,BNUC,HSB,R=G	
May 06 2007 1.9"	12x50	PF,PS,OVAL,NND,R=F	
Mar 19 2006 8"	19mmW	FB,CL,OVAL,BNUC,HISB,R=G	
May 12 2004 8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5	
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Feb 25 2004 8"	25mmPL	1ST. QTR.	
NGC 3384		H18-1 Galaxy SB(s)0-:	VB,L,R,PSMBM,2ND OF3
Apr 02 2008 8"	11mmT6	PB,PL,OVAL,UB,FNUC,R=G	
Apr 26 2006 8"	11mmT6	FB,PS,OVAL,UB,R=G	
May 12 2004 8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5	
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS	
NGC 3389		H41-2 Galaxy SA(s)c	F,L,E PF,VGLBM,3RD-3

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NGC 3389		H41-2	Galaxy SA(s)c	F,L,E PF,VGLBM,3RD-3
Apr 02 2008 8"	11mmT6	PF,PS,OVAL,NND,R=F		
Apr 26 2006 8"	11mmT6	PF,PS,EL,OVAL,NND,R=F		
NGC 3391			Galaxy S?	F,S,R,BET2* NR
Apr 07 2008 31"	17mmT4	B,PS,OVAL,UB,NND,HSB,R=F		
NGC 3399			Galaxy S0?	F,VS
Apr 07 2008 31"	17mmT4	PB,S,R,UB,NND,HSB,R=G		
NGC 3405			Galaxy S0	F,ES,ALMSTELL,S*NR
Apr 07 2008 31"	17mmT4	PB,S,R,UB,NND,HSB,R=G		
NGC 3412		H27-1	Galaxy SB(s)0^	B,S,LE135,SMBMN
Apr 26 2006 8"	11mmT6	FB,PS,OVAL,FNUC,MSB,R=G		
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
NGC 3417			Galaxy	EF,VS,ALM STELL
Apr 07 2008 31"	17mmT4	VF,S,OVAL,NND,AV,R=F		
NGC 3419			Galaxy (R)SAB(r)0+	F,VS,R,ALMSTEL,S*VNR
Apr 07 2008 31"	17mmT4	PB,PS,R,BNUC,HSB,R=G		
NGC 3419A			Galaxy SB(s)b: sp	
Apr 07 2008 31"	17mmT4	PF,PS,EON,UB,NND,R=F		
NGC 3425		H108-3	Non-Existent	EF,ES,R
Apr 07 2008 31"	17mmT4	PF,PS,R,UB,NND,R=F		
NGC 3426			Galaxy S?	PF,S,R,D*N
Apr 07 2008 31"	17mmT4	PB,PS,OVAL,BNUC,HSB,R=G		
NGC 3427			Galaxy S0/a	NEB,NO DESCR
Apr 07 2008 31"	17mmT4	B,S,EL,OVAL,FNUC,R=F		
NGC 3428			Galaxy SAB(s)b	VF,S,LE,GLBM
Apr 07 2008 31"	17mmT4	B,L,EON,UB,NND,R=F		
NGC 3437		H47-2	Galaxy SAB(rs)c:	PB,PL,LE120,GBM
May 13 2007 8"	11mmT6	VF,CS,EL,OVAL,NND,AV,F		
NGC 3454			Galaxy SB(s)c? sp	PF,LE,NP OF 2
May 25 2014 18"	8mm Ds	PF,VS,EON,UB,NND,R=F,PA=110		
NGC 3455		H82-2	Galaxy (R')SAB(rs)b	PF,S,E,GBM,R,SF OF 2
May 25 2014 18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F		

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NGC 3457		Galaxy S?	2OR3S* AND NEB
May 13 2007 8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F	
NGC 3485		H100-2 Galaxy SB(r)b:	F,L,R,GLBM,R
Apr 19 2007 31"	17mmT4	B,L,OVAL,UB,FNUC,R=G	
NGC 3487		Galaxy Sb? sp	EEF,PS,R, V DIFFIC
Apr 19 2007 31"	17mmT4	B,L,EL,OVAL,UB,NND,RR=F	
NGC 3489		H101-2 Galaxy SAB(rs)0+	VB,PL,LE80,SMBMN
Apr 26 2006 8"	11mmT6	FB,FS,OVAL,UB,FNUC,R=G	
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS	
NGC 3490		Galaxy E	VF,S
Apr 19 2007 31"	17mmT4	CF,PS,R,UB,NND,R=F	
NGC 3491		H21-3 Galaxy S0-:	EF,CS,R,BMN
Apr 19 2007 31"	17mmT4	CB,CL,R,BNUC,HISB,R=F	
NGC 3492		Galaxy S?	PF,S,*9P20S,1'S
Apr 19 2007 31"	17mmT4	PB,L,OVAL,UB,FNUC,R=G	
NGC 3495		H498-3 Galaxy Sd:	VF,PL,ME
Apr 19 2007 31"	17mmT4	B,PL,EON,FNUC,MHISB,R=G	
NGC 3501		Galaxy Scd:	VF,ME NS,GBM,3'LONG
Apr 19 2007 31"	17mmT4	B,L,EON,UB,NND,R=G	
NGC 3506		H22-3 Galaxy Sc:	VF,CS,R,VGV LBM
Apr 19 2007 31"	17mmT4	PB,L,R,FNUC,MHISB,R=G	
NGC 3507		H7-4 Galaxy SB(s)b	CF,PL,R,SBMS*,*9ATT
Mar 06 2005 8"	11mmT6	DIFF,VF,MS,OVAL,NND,AV,R=F	
NGC 3509		H598-3 Galaxy SA(s)bc pec	EF,S,(LE)
Apr 19 2007 31"	17mmT4	B,PL,EL,OVAL,FNUC,MHISB,R=G	
NGC 3521		H13-1 Galaxy SAB(rs)bc	CB,CL,ME140,VSMBMN
Apr 26 2006 8"	11mmT6	PB,PL,OVAL,BNUC,HISB,R=G	
May 12 2004 8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5	
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS	
NGC 3522		Galaxy E	PF,VS,LE
Apr 19 2007 31"	17mmT4	PB,PS,OVAL,FNUC,R=G	
NGC 3524		H23-3 Galaxy S0/a	F,S,LE,PSBM,2*NPLINE

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NGC 3524		H23-3	Galaxy S0/a	F,S,LE,PSBM,2*NPLINE
Apr 19 2007	31"	17mmT4	PB,PL,EON,BNUC,HISB,R=G	
NGC 3531			Non-Existent	E50,*11SPEND,(=3526)
Apr 19 2007	31"	17mmT4	B,PL,EON,UB,NND,R=F	
NGC 3534			Galaxy Sb	VF,*9NP 3'
Apr 19 2007	31"	17mmT4	CF,PL,EL,OVAL,UB,NND,R=G	
NGC 3535		H111-3	Galaxy SA(s)a pec:	CF,VS,R,BM,R
Apr 19 2007	31"	17mmT4	PB,CS,OVAL,BNUC,R=G	
NGC 3547		H42-2	Galaxy Sb:	F,S,LE,VLBM
Apr 19 2007	31"	17mmT4	PB,L,UB,NND,R=G	
NGC 3551			Galaxy	EEF,VS,R,SP OF 2
Apr 19 2007	31"	17mmT4	CF,CS,OVAL,UB,NND,R=F	
NGC 3555			Galaxy E?	VF,R,NF OF 2
Apr 19 2007	31"	17mmT4	PF,PS,R,UB,NND,R=F	
NGC 3559		H79-3	Galaxy S pec	EF,PS,LE,R
Apr 19 2007	31"	17mmT4	B,PL,OVAL,UB,NND,R=F	
NGC 3563			Galaxy SB0:	PF,PL,*8M2'N
Apr 19 2007	31"	17mmT4	PB,PL,OVAL,FNUC,MHISB,R=G	
NGC 3563A			Non-Existent	
Apr 19 2007	31"	17mmT4	PB,PS,OVAL,FNUC,R=F	
NGC 3563B			Galaxy S0-a	
Mar 08 2013	18"	8.8 ES	VF,PS,OVA,,UB,NND,R=F, PAIRED W/NGC-3563A	
NGC 3567		H89-3	Galaxy S0 pec	EF,R,SBM,R
Mar 08 2013	18"	8.8 ES	VF,PS,OVAL,UB,NND,R=F	
NGC 3574			Galaxy S?	EF
Mar 08 2013	18"	8.8 ES	VF,PS,R,UB,NND,R=F	
NGC 3575			Non-Existent	PB,PL,R,*11P
Apr 14 2016	12"	8mm Ds	PF,PS,OVAL,UB,NND,R=F	
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
NGC 3592			Galaxy Sc? sp	EF,S,PME60
Mar 08 2013	18"	8.8 ES	PF,PS,EON,UB,NND,R=F	
NGC 3593		H29-1	Galaxy SA(s)0/a:	B,CL,E90,PSMBM

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NGC 3593		H29-1	Galaxy SA(s)0/a:	B,CL,E90,PSMBM
Apr 26 2006 8"	11mmT6	F,L,EON,NND,R=F		
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
NGC 3596		H102-2	Galaxy SAB(rs)c	PF,L,R,GLBM
Mar 06 2005 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 3598			Galaxy S0-:	F,VS,STELL,*N
Mar 16 2010 12"	11mmT6	CF,PS,OVAL,UB,NND,R=F		
NGC 3599		H49-2	Galaxy SA0:	B,PS,R,PGMBM
Apr 05 2005 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 3604		H626-2	Galaxy	PB,S,LE,MBM
May 13 2007 8"	11mmT6	VF,PS,R,NND,AV,R=F		
NGC 3605		H27-3	Galaxy E4-5	F,S,R,SP OF 3
May 13 2007 8"	11mmT6	PF,PS,R,NND,R=F		
NGC 3607		H50-2	Galaxy SA(s)0^:	VB,L,R,VMBM,2ND OF 3
Apr 26 2006 8"	11mmT6	PB,L,R,BNUC,HISB,R=G		
May 12 2004 8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5		
Mar 10 2004 8"	25mmPL	N/M, NO COMPUTER		
NGC 3608		H51-2	Galaxy E2	B,PL,R,PSBM,3RD OF 3
Apr 26 2006 8"	11mmT6	B,CL,OVAL,NND,R=F		
Mar 10 2004 8"	25mmPL	N/M, NO COMPUTER		
NGC 3611		H521-2	Galaxy SA(s)a pec	PF,CS,IR,PSMBM,*NP3'
Apr 09 2008 8"	11mmT6	PF,PS,OVAL,NND,LSB,R=F		
NGC 3623	M65		Galaxy SAB(rs)a	B,VL,ME165,GBMBN
Apr 20 2018 12"	11mmT6			
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Apr 15 2007 31"	32mmUV	VB,VL,EON,BNUC,HISB,R=E		
Mar 10 2007 1.9"	12x50	VF,PS,OVAL,NND,AV,R=F		
Mar 19 2006 8"	19mmW	PB,L,EL,OVAL,FNUC,R=G		
May 12 2004 8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Feb 25 2004 8"	25mmPL	1ST. QTR.		
NGC 3624			Galaxy SB(r)b	EF
Apr 15 2007 31"	17mmT4	PF,S,OVAL,NND,R=F		

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NGC 3626		H52-2	Galaxy S0-a	B,S,VLE,SBM
Apr 26 2006 8"	11mmT6	B,PS,OVAL,FNUC,MSB,R=F		
Mar 10 2004 8"	25mmPL	N/M, NO COMPUTER		
NGC 3627	M66		Galaxy SAB(s)b	B,VL,ME150,MBM,2*NP
Apr 20 2018 12"	11mmT6			
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Apr 15 2007 31"	32mmUV	VB,PL,EL,OVAL,BNUC,HISB,R=G		
Mar 10 2007 1.9"	12x50	B,PL,OVAL,NND,R=G		
Mar 19 2006 8"	19mmW	PB,PL,EL,OVAL,BNUC,R=G		
Apr 04 2005 8"	11mmT6	VB,ML,EL,EON,NUC,HISB,R=E		
May 12 2004 8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Feb 25 2004 8"	25mmPL	1ST. QTR.		
NGC 3628		H8-5	Galaxy Sb pec sp	PB,VL,VME102
Apr 26 2006 8"	11mmT6	PF,CL,EON,NND,R=F		
May 12 2004 8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5		
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
NGC 3629		H338-2	Galaxy SA(s)cd:	CF,L,R,VGVLBM
Apr 15 2007 31"	17mmT4	F,PL,OVAL,NND,R=F		
NGC 3630			Galaxy S0 sp	PB,S,R,SMBMN
Apr 15 2007 31"	17mmT4	VB,PL,EONB,BNUC,HISB,R=G		
NGC 3633			Galaxy SAa: sp	VF,S,R,2ST NR
Apr 15 2007 31"	17mmT4	PB,L,EON,UB,NND,R=F		
NGC 3639			Galaxy S?	PF,S,R,VLBM,15'F2376
Apr 15 2007 31"	17mmT4	B,L,OVAL,UB,NND,R=F		
NGC 3640		H33-2	Galaxy E3	B,PL,R,PSBM
Apr 15 2007 31"	17mmT4	PB,L,R,BNUC,HISB,R=G		
Apr 26 2006 8"	11mmT6	PB,L,OVAL,FNUC,MSB,R=G		
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
NGC 3641			Galaxy E pec	F,VS,ALMSTEL,3640N2'
Apr 15 2007 31"	17mmT4	PB,S,R,BNUC,HISB,R=G		
NGC 3643			Galaxy SB(r)0+: sp	EF,VS
Apr 15 2007 31"	17mmT4	F,L,OVAL,UB,NND,R=F		
Mar 17 2007 8"	11mmT6	F,PS,OVAL,FNUC,R=F		

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NGC 3644			Galaxy (R')SBa pec:	VF,VS
Apr 15 2007 31"	17mmT4	PF,S,EL,OVAL,UB,NND,R=F		
NGC 3646		H15-3	Galaxy Ring	CF,CL,LE,GBM,SP OF 2
May 13 2007 8"	11mmT6	CF,PS,OVAL,NND,R=F		
NGC 3651		H335-3	Galaxy E	CF,VS,R,BM,NP OF 2
Apr 26 2008 31"	17mmT4	PB,S,OVAL,UB,NND,R=F		
NGC 3653		H336-3	Galaxy S0?	VF,VS,SF OF 2
Apr 26 2008 31"	17mmT4	PB,S,OVAL,NND,MSB,R=F		
NGC 3655		H5-1	Galaxy SA(s)c:	PB,PS,IR,BM,R
Mar 13 2007 8"	11mmT6	VF,VS,R,NND,AV,R=F		
NGC 3659		H53-2	Galaxy SB(s)m?	CF,S,LE,R
Apr 13 2005 31"	11mmT6	MB,ML,EL,OVAL,NND,MSB,R=G		
NGC 3662		H4-4	Galaxy SAB(r)bc pec	VF,S,ATT TO*13M
Mar 30 2014 18"	7mm TV	VF,VS,OVAL,NND,R=F		
NGC 3664			Galaxy SB(s)m pec	PF,BIN
Mar 17 2010 12"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 3665		H219-1	Galaxy SA(s)0^	CB,CL,IR,PGMBM
Mar 17 2007 8"	11mmT6	PB,L,OVAL,BNUC,R=G		
NGC 3666		H20-1	Galaxy SA(rs)c:	F,E90,*6F34S,5'N
May 13 2007 8"	11mmT6	CF,PS,EON,NND,R=F		
NGC 3678			Galaxy Sbc	VF,S,R,PSBM,*12NF
Mar 30 2014 18"	7mm TV	VF,VS,OVAL,NND,AV3,R=P		
NGC 3679		H112-3	Galaxy Sbc	EF,CL,R,R,VNR VB*
Mar 30 2014 18"	7mm TV	VF,VS,OVAL,NND,AV1,R=P		
NGC 3681		H159-2	Galaxy SAB(r)bc	B,PS,R,BM
Apr 20 2018 12"	11mmT6			
May 13 2007 8"	11mmT6	CF,CS,R,NND,AV,R=P		
NGC 3684			Galaxy SA(rs)bc	PB,PL,E,VGBM
Apr 20 2018 12"	11mmT6			
May 13 2007 8"	11mmT6	PF,PS,OVAL,NND,R=F		
NGC 3686		H160-2	Galaxy SB(s)bc	PB,L,VLE,VGBM,R
Apr 20 2018 12"	11mmT6			
Apr 26 2006 8"	11mmT6	VF,PS,OVAL,NND,AV,R=F		

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NGC 3689		H339-2	Galaxy SAB(rs)c	PB,PL,LE,BM
Apr 14 2016 12"	8mm Ds	PF,PS,OVAL,MEXT,NND,R=F		
May 13 2007 8"	11mmT6	F,VS,R,NND,AV,R=F		
NGC 3691		H54-2	Galaxy SBb?	F,PS,LE,R
Apr 14 2016 12"	8mm Ds	VF,VS,OVAL,NND,AV,R=F		
NGC 3692		H152-2	Galaxy Sb	F,ME,R
Apr 14 2016 12"	8mm Ds	VF,VS,EON,UB,NND,R=F		
NGC 3697			Galaxy SABb	EF,VS,E90
Mar 30 2014 18"	7mm TV	VF,VS,EON,UB,NND,AV1,R=F,PA=95		
Apr 26 2008 31"	17mmT4	DIFF,PF,PL,EON,UB.NND,R=G		
NGC 3701		H349-2	Galaxy Sbc	PF,PL,LE
Mar 30 2014 18"	7mm TV	VF,PS,OVAL,MEXT,UB,NND,AV,R=F,PA=135		
NGC 3705		H13-2	Galaxy SAB(r)ab	PF,PL,R,VSMBM,R
May 13 2007 8"	11mmT6	PF,CS,OVAL,NND,R=F		
NGC 3710		H350-2	Galaxy E	F,S,*7,8NF 5'
May 14 2010 31"	17mmT4	PB,PS,R,BNUC,HSB,R=G		
NGC 3713		H367-2	Galaxy S0-:	F,CS,R,SBMN
May 14 2010 31"	17mmT4	PB,PS,OVAL,MEXT,BNUC,HSB,R=G		
NGC 3716			Galaxy (R)SAB0^?	VF,VS
May 14 2010 31"	17mmT4	PF,PS,OVAL,MEXT,UB,FNUC,R=F		
NGC 3760			Non-Existent	B,PS,MBMN=*13,*11 NR
Mar 30 2014 18"	7mm TV	B,PS,EON,BNUC,R=G,PA=45		
NGC 3773		H81-3	Galaxy S0	CF,CS,R,PSBM
Apr 18 2012 18"	8.8 ES	PF,PS,OVAL,UB,NND,R=F		
NGC 3790		H109-3	Galaxy S0/a	CF,VS,PME,SBM,1STOF3
May 14 2010 31"	17mmT4	PB,CS,OVAL,UB,FNUC,R=G		
NGC 3801		H161-2	Galaxy S0?	PF,PL,R,BM,R,2ND OF3
May 14 2010 31"	17mmT4	PB,PL,OVAL,MEXT,BNUC,HSB,R=G		
May 13 2007 8"	11mmT6	PF,PS,OVAL,NND,R=F		
NGC 3802		H30-3	Galaxy S	VF,PS,2VB*P,3RD OF3
May 14 2010 31"	17mmT4	PB,PS,EON,UB,DNUC,R=G		
NGC 3803			Galaxy	VF,S,R
May 14 2010 31"	17mmT4	EF,VS,R,NND,AV,R=P		

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NGC 3807			Galaxy	VF, S, R (VF*?)
May 14 2010 31"	17mmT4	DIFF,CF,CS,R,UB,NND,R=F		
NGC 3810		H21-1	Galaxy SA(rs)c	B,L,VLE
Apr 18 2012 18"	8.8 ES	PF,S,OVAL,FNUC,R=G		
Apr 26 2006 8"	11mmT6	PF,L,OVAL,UB,NND,R=F		
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
NGC 3812		H320-3	Galaxy E	CF,VS,R,1STOF3,*6SF
Apr 28 2006 31"	19mmW	CB,PL,R,FNUC,R=G		
NGC 3814			Galaxy S0	VS,NEBS*,P 3815
Apr 28 2006 31"	19mmW	VF,PS,EL,OVAL,NND,R=F		
NGC 3815		H339-3	Galaxy Sab	CF,S,3RD OF 3
Apr 28 2006 31"	19mmW	CB,PL,OVAL,UB,NND,R=F		
NGC 3816			Galaxy S0	F,S,BM
Apr 28 2006 31"	19mmW	CB,CL,EL,OVAL,UB,NND,R=F		
NGC 3817			Galaxy SB0/a	F,1ST OF 4
May 18 2007 31"	17mmT4	VF,CS,OVAL,NND,AV,R=F		
NGC 3819			Galaxy E?	VF,2ND OF 4
May 18 2007 31"	17mmT4	PF,CS,OVAL,NND,R=F		
NGC 3820			Galaxy S?	EF,VS,3819 S
May 18 2007 31"	17mmT4	VF,VS,R,NND,AV,R=F		
NGC 3839			Galaxy Sdm:	VF,S,R,LBM
May 28 2006 31"	19mmW	PF,PS,OVAL,NND,R=F		
NGC 3857			Galaxy S0?	VF,VS,MBM
May 07 2007 31"	17mmT4	PB,PL,EL,OVAL,FNUC,MSB,R=G		
NGC 3859			Galaxy S?	EF,VS,R,LBM,(R)
May 07 2007 31"	17mmT4	PB,PL,EON,UB,NND,R=G		
NGC 3860		H386-3	Galaxy S?	VF,VS,RESOLVABLE
May 07 2007 31"	17mmT4	PB,PL,OVAL,UB,FNUC,R=G		
NGC 3861			Galaxy (R')SAB(r)b	F,S,R,BM
May 07 2007 31"	17mmT4	PB,PL,OVAL,FNUC,MSB,R=G		
NGC 3862		H385-3	Galaxy E	VF,VS,R,*17N
May 13 2007 8"	11mmT6	VF,VS,R,NND,AV,R=F		
May 13 2007 8"	11mmT6	CF,CS,EON,NND,R=F		

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NGC 3862 May 07 2007 31"	17mmT4	H385-3 PB,PL,R,FNUC,HISB,R=G	Galaxy E	VF,VS,R,*17N
NGC 3864 May 07 2007 31"	17mmT4	PF,PS,OVAL,NND,AV,R=F	Galaxy S?	EF,VS,R
NGC 3867 May 07 2007 31"	17mmT4	PB,PL,OVAL,UB,NND,R=G	Galaxy S?	F,S,IRRR,MBM,S OF 2
NGC 3868 May 07 2007 31"	17mmT4	PB,PS,OVAL,UB,NND,R=F	Galaxy S?	VF,VS,R,MBM,N OF 2
NGC 3869 May 07 2007 31"	17mmT4	PB,PL,EON,FNUC,HISB,R=G	Galaxy Sa	F,S,IR,PSBM
NGC 3872 Apr 18 2012 18" May 07 2007 31"	8.8 ES 17mmT4	PF,PS,OVAL,FNUC,R=F CB,PL,R,BNUC,HISB,R=G	Galaxy E5	B,S,R,SMBM*
NGC 3873 May 07 2007 31"	17mmT4	PB,PL,R,FNUC,MSB,R=G	Galaxy E	VF,PS,LE,3875 SF
NGC 3875 May 07 2007 31"	17mmT4	PB,PL,EON,UB,FNUC,R=G	Galaxy S0/a	VF,VS,RESOLVABLE
NGC 3883 May 07 2007 31"	17mmT4	DIFF,PF,CL,OVAL,NND,R=F	Galaxy SA(rs)b	VF,CL
NGC 3884 May 07 2007 31"	17mmT4	PB,PL,OVAL,UB,FNUC,MSB,R=G	Galaxy SA(r)0/a	CF,S,IR,GBM,R,*7SP6'
NGC 3886 May 07 2007 31"	17mmT4	PB,PS,EON,UB,FNUC,R=G	Galaxy S0-:	F
NGC 3900 Mar 29 2006 8"	11mmT6	F,L,OVAL,NND,R=F	Galaxy SA(r)0+	B,PL,VLE0,BMN
NGC 3902 May 07 2007 31"	17mmT4	DIFF,PF,PL,OVAL,NND,R=F	Galaxy SAB(s)bc:	F,PS,LE,VGLBM
NGC 3910 May 07 2007 31"	17mmT4	PB,PS,OVAL,DNUC,MSB,R=G	Galaxy S0-:	S,R,MBM,*10,11N50"
NGC 3911 May 07 2007 31"	17mmT4	DIFF,PF,PL,OVAL,NND,AV,R=F	Galaxy SB?	VF,S,P OF 2
NGC 3912		H342-2	Galaxy SAB(s)b? pec	F,PL,R,PGBM

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NGC 3912		H342-2	Galaxy SAB(s)b? pec	F,PL,R,PGBM
Mar 29 2006 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC 3919			Galaxy E	F,S,R
May 07 2007 31"	17mmT4	PB,PS,R,BNUC,HISB,R=G		
NGC 3920			Galaxy S?	NEB,F OF 2
May 07 2007 31"	17mmT4	PB,PL,R,UB,NND,R=G		
NGC 3925			Galaxy SAB0/a	VF,VS
May 07 2007 31"	17mmT4	PF,PS,OVAL,UB,NND,R=F		
NGC 3926A		H379-3	Galaxy E/S0	EF,ES,VLE,ER,ST NR
May 07 2007 31"	17mmT4	PB,S,R,UB,NND,R=F		
NGC 3926B		H379-3	Galaxy E/S0	EF,ES,VLE,ER,ST NR
May 07 2007 31"	17mmT4	PB,PS,OVAL,UB,NND,R=G		
NGC 3929			Galaxy E?	CL,S,ST F,VC
May 07 2007 31"	17mmT4	PB,PS,OVAL,UB,NND,R=F		
NGC 3933			Galaxy S?	PF,LE
May 07 2007 31"	17mmT4	PF,PS,OVAL,UB,NND,R=F		
NGC 3934			Galaxy S?	EF,R
May 07 2007 31"	17mmT4	PF,PS,R,UB,NND,R=F		
NGC 3937		H389-3	Galaxy S0-:	EF, VS, 3937 F 12S
May 07 2007 31"	17mmT4	PB,PL,OVAL,UB,FNUC,MSB,R=G		
NGC 3940		H380-3	Galaxy E	VF,CS,R
May 07 2007 31"	17mmT4	PB,PL,R,FNUC,HISB,R=G		
NGC 3943			Galaxy S?	PF,PS,E,*8P24S
May 07 2007 31"	17mmT4	PB,PL,R,UB,NND,R=G		
NGC 3987			Galaxy Sb	F,ME
May 07 2007 31"	17mmT4	PB,CL,EON,UB,NND,R=G		
NGC 3993			Galaxy Sb: sp	VF,PS,E,3* NR
May 07 2007 31"	17mmT4	PB,PL,EON,UB,FNUC,HISB,R=G		
NGC 3997			Galaxy SBb pec	PF,VS,E25,BET 2ST
May 07 2007 31"	17mmT4	PB,CL,OVAL,UB,FNUC,HISB,R=G		
NGC 3999			Galaxy S0	VF,S
May 07 2007 31"	17mmT4	DIFF,PF,CS,OVAL,NND,R=F		

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NGC 4000		Galaxy S?	VF,VS,LE,*8F2',05 SF
May 07 2007 31"	17mmT4	PF,PL,EON,UB,NND,R=F	
NGC 4002		H344-3 Galaxy S0?	VF,VS,R,N OF 2
May 14 2010 31"	17mmT4	PB,CS,OVAL,MEXT,BNUC,HSB,R=G	
NGC 4004		H354-3 Galaxy Pec	F,VS,R,*12 NEAR
Apr 28 2006 31"	19mmW	CF,CS,EON,UB,NND,R=F	
NGC 4005		Galaxy S?	PF,VS,MBM,*7NP2'
May 07 2007 31"	17mmT4	PB,PL,OVAL,FNUC,MSB,R=G	
NGC 4007		H325-3 Non-Existent	
May 14 2010 31"	17mmT4	PF,PS,OVAL,MEXT,BNUC,HSB,R=G	
NGC 4008		H368-2 Galaxy E5	PB,PS,E,PSBM,*INV N
May 13 2007 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
NGC 4011		Galaxy S0	VF,VS,*12NP
May 07 2007 31"	17mmT4	DIFF,CF,CS,OVAL,NND,V,R=F	
PGC 27681		Galaxy Sb	
Mar 30 2014 18"	7mm TV	VF,PS,EON,NND,AV,R=F,PA=130	
PGC 28700		Galaxy Scd:	
May 25 2014 18"	8mm Ds	VF,PS,EON,UB,NND,R=F,PA=55	
PGC 29372		Galaxy Sb	
Apr 07 2008 31"	17mmT4	VF,VS,R,NND,AV,R=F	
PGC 29413		Galaxy SABdm:	
Apr 19 2006 31"	19mmW	PF,PS,OVAL,NND,R=F	
PGC 29488		Galaxy E3	
Apr 29 2011 12"	17mmAT	DIFF,CF,PS,OVAL,UB,NND,R=F	
Apr 19 2006 31"	19mmW	PF,PL,OVAL,NND,R=F	
PGC 29698		Galaxy Scd:	
May 25 2014 18"	8mm Ds	VF,VS,EON,UB,NND,R=F,PA=95	
PGC 29722		Galaxy S	
Apr 15 2007 31"	17mmT4	PB,L,EON,BNUC,HISB,R=G	
PGC 29768		Galaxy S	
Apr 15 2007 31"	17mmT4	PF,S,OVAL,NND,R=F	
PGC 30008		Galaxy S	

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PGC 30008			Galaxy S
Apr 15 2007	31"	17mmT4 B,PS,R,NND,R=F	
PGC 30221			Galaxy Sb
Apr 21 2007	31"	17mmT4 CF,PS,EON,NND,R=F	
PGC 30263			Galaxy S?
Apr 21 2007	31"	17mmT4 PF,CS,OVAL,FNUC,R=F	
PGC 30265			Galaxy
Apr 21 2007	31"	17mmT4 PF,CS,OVAL,FNUC,R=F	
PGC 30326			Galaxy S
Apr 21 2007	31"	17mmT4 CF,PS,R,NND,AV,R=F	
PGC 30328			Galaxy Sab
Apr 21 2007	31"	17mmT4 CF,PS,EON,NND,AV,R=F	
PGC 30378			Galaxy C
Apr 28 2006	31"	19mmW PF,PS,R,NND,AV,R=F	
PGC 30397			Galaxy
Apr 21 2007	31"	17mmT4 F,CS,R,NND,R=F	
PGC 30431			Galaxy
Apr 21 2007	31"	17mmT4 DIFF,PB,PS,R,NND,R=F	
PGC 30432			Galaxy L
Apr 21 2007	31"	17mmT4 DIFF,PB,L,R,NND,R=F	
PGC 30456			Galaxy
Apr 21 2007	31"	17mmT4 PB,CS,OVAL,FNUC,MSB,R=G	
PGC 30464			Galaxy S
Apr 21 2007	31"	17mmT4 VF,CS,EON,NND,AV,R=F	
PGC 30573			Galaxy S
Apr 21 2007	31"	17mmT4 DIFF,PB,CL,R,NND,R=F	
PGC 30585			Galaxy SB?
Apr 21 2007	31"	17mmT4 PB,PS,OVAL,FNUC,MSB,R=G	
PGC 31075			Galaxy Sbc
Apr 19 2006	31"	19mmW PB,PL,EON,UB,BNUC,R=G	
PGC 31526			Galaxy Sc
Apr 21 2007	31"	17mmT4 CF,PS,R,NND,AV,R=F	

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PGC 32418		Galaxy
Apr 07 2008 31"	17mmT4 PF,VS,R,NND,R=F	
PGC 32419		Galaxy
Apr 07 2008 31"	17mmT4 PF,VS,OVAL,NND,AV,R=F	
PGC 32572		Galaxy DB
Apr 07 2008 31"	17mmT4 DIFF,PF,PL,OVAL,NND,LSB,R=F	
PGC 32948		Galaxy
Apr 19 2007 31"	17mmT4 VF,VS,R,NND,AV,R=F	
PGC 33147		Galaxy Sbc
Apr 19 2007 31"	17mmT4 VF,L,EON,NND,AV,R=F	
PGC 33170		Galaxy
Apr 19 2007 31"	17mmT4 PF,PS,R,NND,R=F	
PGC 33213		Galaxy
Apr 19 2007 31"	17mmT4 PF,PS,EL,OVAL,NND,R=F	
PGC 33237		Galaxy S
Apr 19 2007 31"	17mmT4 VF,VS,EL,OVAL,NND,AV,R=F	
PGC 33244		Galaxy SB(s)c:
Apr 19 2007 31"	17mmT4 CF,PS,EON,NND,R=F	
PGC 33273		Galaxy
Apr 19 2007 31"	17mmT4 CF,PS,OVAL,NND,R=F	
PGC 33278		Galaxy Sab
Apr 19 2007 31"	17mmT4 CF,PS,OVAL,NND,AV,R=F	
PGC 33282		Galaxy L
Apr 19 2007 31"	17mmT4 B,VS,OVAL,FNUC,R=F	
PGC 33396		Galaxy Dwarf Spiral
Apr 19 2007 31"	17mmT4 VF,PS,R,NND,AV,R=F	
PGC 33461		Galaxy SAB(r)b:
Apr 19 2007 31"	17mmT4 VF,PS,OVAL,NND,AV,R=F	
PGC 33798		Galaxy E
Apr 19 2007 31"	17mmT4 PF,PL,OVAL,UB,NND,R=F	
PGC 33816		Galaxy
Apr 19 2007 31"	17mmT4 CF,PS,R,NND,AV,R=F	

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PGC 33843			Galaxy
Apr 19 2007 31"	17mmT4	VF,VS,EL,OVAL,NND,R=F	
PGC 34591			Galaxy S0 pec
Apr 15 2007 31"	17mmT4	VF,VS,R,NND,AV,R=F	
PGC 34633			Galaxy
Apr 15 2007 31"	17mmT4	VF,VS,OVAL,NND,R=F	
PGC 34881			Galaxy S0?
Apr 26 2008 31"	17mmT4	PB,S,R,UB,NND,R=F	
PGC 34901			Galaxy Star ??
Apr 26 2008 31"	17mmT4	VF,VS,R,NND,AV,R=F	
PGC 34907			Galaxy S?
Apr 26 2008 31"	17mmT4	B,VS,R,UB,R=F	
PGC 35103			Galaxy S
Apr 13 2005 31"	11mmT6	MF,MS,EL,OVAL,NND,AV,R=F	
PGC 35179			Galaxy S
Apr 26 2008 31"	17mmT4	VF,VS,EL,OVAL,NND,R=F	
PGC 35183			Galaxy SB?
Apr 26 2008 31"	17mmT4	VF,VS,EL,,OVAL,NND,R=F	
PGC 35355			Galaxy S?
Apr 26 2008 31"	17mmT4	PF,S,OVAL,UB,NND,R=F	
PGC 35360			Galaxy S0?
Apr 26 2008 31"	17mmT4	PF,VS,EL,OVAL,UB,FNUC,R=G	
PGC 35381			Galaxy S
Apr 26 2008 31"	17mmT4	VF,VS,R,NND,	
PGC 35514			Galaxy
May 14 2010 31"	17mmT4	VF,CS,OVAL,NND,R=F	
PGC 35588			Galaxy S0?
May 14 2010 31"	17mmT4	PB,CS,R,BNUC,HSB,R=G	
PGC 35589			Galaxy S
May 14 2010 31"	17mmT4	PF,PS,OVAL,NND,R=F	
PGC 35977			Galaxy S?
Sep 01 2008 31"	17mmT4	CF,VS,OVAL,NND,R=F	

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PGC 35991			Galaxy Sd
May 25 2014 18"	8mm Ds	VF,FS,EON,UB,NND,AV1,R=P,PA=130	
PGC 36189			Galaxy S
May 14 2010 31"	17mmT4	VF,VS,EON,UB,,NND,AV,R=F	
PGC 36431			Galaxy Sb
May 25 2014 18"	8mm Ds	VF,VS,EON,UB,NND,AV2,R=F,PA=60	
PGC 36550			Galaxy S
May 07 2007 31"	17mmT4	PF,CS,R,UB,NND,R=F	
PGC 36565			Galaxy
May 07 2007 31"	17mmT4	CF,CS,R,UB,NND,R=F	
PGC 36566			Galaxy
May 07 2007 31"	17mmT4	CF,CS,R,UB,NND,R=F	
PGC 36575			Galaxy
May 07 2007 31"	17mmT4	PF,PS,RL,OVAL,NND,R=F	
PGC 36586			Galaxy
May 07 2007 31"	17mmT4	DIFF,PF,PS,EL,OVAL,NND,R=F	
PGC 36589			Galaxy S?
May 07 2007 31"	17mmT4	PF,PS,OVAL,UB,NND,R=F	
PGC 36619			Galaxy E
May 07 2007 31"	17mmT4	PF,PL,OVAL,UB,NND,R=F	
PGC 36622			Galaxy
May 07 2007 31"	17mmT4	VF,PS,R,NND,R=F	
PGC 36759			Galaxy S?
Apr 18 2012 18"	8.8 ES	VF,VS,OVAL,NND,AV2,R=F	
PGC 37018			Galaxy S R
May 07 2007 31"	17mmT4	VF,PS,R,NND,AV,R=F	
PGC 37039			Galaxy
May 07 2007 31"	17mmT4	PF,VS,OVAL,UB,NND,R=F	
PGC 37040			Galaxy S
May 07 2007 31"	17mmT4	CF,CS,OVAL,UB,NND,R=F	
PGC 37096			Galaxy E
May 07 2007 31"	17mmT4	CF,PS,OVAL,NND,R=F	

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PGC 37175

May 07 2007 31" 17mmT4 PF,PS,R,UB,NND,R=F

Galaxy S?

PGC 37192

May 07 2007 31" 17mmT4 PF,PS,EL,OVAL,NND,R=F

Galaxy S