

Ursa Major - The Great Bear

IC 522		Galaxy S0	
Feb 04 2005 31"	17mmT4	MB,PS,R,LARGE BNUC,SHISB,R=G	
IC 644		Galaxy S	EEF,PS,1E,B*SF,SP OF 2
Feb 05 2005 31"	17mmT4	MB,ML,EDGE ON,SMALL FNUC,F* ON TIP,SHISB MIDDLE,GBM,PAIR=3398/OTHERS,R=G	
IC 691		Galaxy I?	
Apr 03 2005 31"	17mmT4	PF,VS,R,SMALL FNUC,R=F	
IC 694		Galaxy SBm? pec	
Apr 07 2008 31"	17mmT4	VF,PL,R,LARGE BNUC,HISB MIDDLE,PAIRS=3690/PGC35345,R=G	
Apr 03 2005 31"	17mmT4	PB,MS,ELONG,SMALL BNUC,HISB MIDDLE,INTERACTING=3690,PAIRS=PGC/MAC,R=G	
Mar 15 1985 12.5"	16mm	INTERACTING WITH 3690	
IC 705		Galaxy C	
Apr 03 2005 31"	17mmT4	MF,PS,R,SMALL BNUC,R=F	
IC 708		Galaxy E	
Apr 19 2014 36"	17mmT4	PB,ML,OVAL,R,LBNUC,MHISB,F* OFF NUC,AGC1314,R=FG	
IC 709		Galaxy E?	
Apr 19 2014 36"	17mmT4	PB,PL,OVAL,R,LBNUC,MHISB,AGC1314,R=FG	
IC 711		Galaxy E?	
Apr 19 2014 36"	17mmT4	MF,ML,OVAL,LFNUC,SHISBB,PAIR=PGC35774,AGC1314,R=F	
IC 712		Galaxy S?	
Apr 19 2014 36"	17mmT4	MF,ML,OVAL,LFNUC,MHISB,MBM,PAIRS=MAC'S,AGC1314,R=F	
IC 758		Galaxy SB(rs)cd:	
Mar 06 2003 12.5"	9mmT6	EDIF,EF,MS,PATCH,AV ONLY,COMES AND GOES,LOCATION GOOD,R=P	
IC 830		Galaxy S?	
Mar 26 2006 31"	17mmT4	MB,MS,OVAL,LARGE BNUC,GMBM,MOD HISB MIDDLE,R=G	
IC 852		Galaxy S0-:	
Apr 14 2004 31"	17mmT4	PF,PS,OVAL,LARGE FNUC,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,SMALL BNUC,SBM,R=F	
IC 907		Galaxy SB?b	
Apr 03 2005 31"	17mmT4	PF,MS,EDGE ON,VERY SMALL FNUC,R=F	

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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,LARGE FNUC,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 REGION,IRR IN SHAPE,PAIR=MAC,R=F
IC 2600		Galaxy S
Feb 05 2005 31"	17mmT4	PF,MS,ELONG,PATCH,UB,NND,B* IN FOV,PAIRS=IC2601/MAC,R=F
IC 2601		Galaxy S
Feb 05 2005 31"	17mmT4	PF,MS,OVAL,SMALL FNUC,SOMEWHAT BM,PAIRS=IC2600/MAC,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,SMALL BNUC,BM,MOD HISB MIDDLE,AGC 1228,R=F
IC 2744		Galaxy S0?
Apr 16 2009 31"	17mmT4	MV,PS,R,SMALL FNUC,AGC 1228,R=F
IC 2751		Galaxy Sb
Apr 16 2009 31"	17mmT4	MF,PS,LARG BNUC,SOMEWHAT BM,SOMEWHAT HISB MIDDLE,AGC 1228,R=F
IC 2943		Galaxy Sa?
Apr 04 2005 31"	17mmT4	PB,ML,OVAL,LARGE FNUC,PAIR=3759,R=F
IC 2978		Galaxy Sc
Apr 09 2008 31"	17mmT4	VDIF,EF,PS,PATCH,AV HOLDS,R=P

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IC	2979		Galaxy SB0
Apr 09 2008	31"	17mmT4	PF,PS,R,SMALL BNUC,MBM,PAIR=3986,R=F
MAC	0835+5247		Galaxy
Oct 25 2006	31"	17mmT4	EF,VS,PATCH,NND,PARIS=2606/2602,R=P
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,SMALL FNUC,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

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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

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,SMALL NUC,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,PATHC,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,LARGE BNUC,SOMEWHAT 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**

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MAC 1110+2837**Galaxy**

Mar 16 2009 31" 17mmT4 VF,VS,OVAL,SMALL BNUC,VERY SMALL *LIKE NUC,AGC,R=P

MAC 1110+2840**Galaxy**

Mar 16 2009 31" 17mmT4 VF,VS,OVAL,SMALL BNUC,AGC,R=F

MAC 1110+2841A**Galaxy**

Mar 16 2009 31" 17mmT4 EF,VS,PATHC,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,ELONG,*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,SMALL BNUC,AGC,R=F

Apr 09 2008 31" 17mmT4 PF,PS,OVAL,SMALL FNUC,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

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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

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 VF,VS,PATCH,UB,AV,AGC,R=P

Mar 16 2009 31" 17mmT4 EF,VS,PATCH,AV HARD TO HOLD,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,PATHC,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,STELLAR,BRT * ON TOP OF GALAXY,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

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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

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,ELONG,*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,SMALL FNUC,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

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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,LOCATION GOOD,AGC,R=P

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,SMALL FNUC,CAN JUST SPLIT THE TWO,AGC,R=F

MAC 1116+2915A Galaxy
 Mar 17 2009 31" 17mmT4 PF,PS,SMALL FNUC,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,LARGE FNUC,AGC,R=F

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MAC 1117+2908**Galaxy**

Mar 17 2009 31" 17mmT4 PF,PS,OVAL,LARGE FNUC,AGC,R=F

MAC 1119+3419**Galaxy**

Apr 16 2009 31" 17mmT4 PF,VS,R,*NUC OR * ON TOP OF GALAXY,AGC 1228,R=P

Mar 20 2009 31" 17mmT4 VF,VS,PATCH,VF* ON OUTTER EDGE,AGC,R=P

MAC 1120+3110**Galaxy**

Feb 23 2006 31" 17mmT4 VF,VS,PATCH,SMALL FNUC,VERY SMALL NUC,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**

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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
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,ELONG 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,VERY 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,SMALL FNUC,AGC 1228,R=F
MAC 1121+3432		Galaxy
Apr 16 2009 31"	17mmT4	PF,PS,R,LARGE FNUC,AGC 1228,R=F
MAC 1121+3434		Galaxy
Apr 16 2009 31"	17mmT4	VF,VS,PATHC,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,SMALL BNUC,A VERY BRIGHT MAC GALAXY,AGC 1228,R=F
Mar 20 2009 31"	17mmT4	PF,PS,PATCH,LARGE FNUC,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

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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,ELONG,PATCH,NND,AGC 1228,R=P
MAC 1122+3421		Galaxy
Apr 16 2009 31"	17mmT4	PF,PS,SMALL BNUC,ONE OF THE BRTEST 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,PATHC,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,VERY 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

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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
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,SFNUC,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

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MAC 1136+5508B		Galaxy
Apr 04 2005 31"	17mmT4	PF,PS,ELONG,NND,PAIR=3759A,R=F
MAC 1144+5534		Galaxy
Feb 23 2006 31"	17mmT4	VF,VS,PATCH,NND,AV,PAIRS=3846/MAC,R=P
MAC 1144+5537		Galaxy
Feb 23 2006 31"	17mmT4	PF,PS,ELONG,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,ELONG,SMALL FNUC,PAIRS=3888/3889/PGC,R=P
MAC 1150+5157		Galaxy
Mar 04 2006 31"	17mmT4	PF,MS,OVAL,LARGE FNUC,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	EDIF,EF,VS,PATCH,AV COMES AND GOES,PAIRS=PGC'S/MAC,R=P
Apr 09 2008 31"	17mmT4	EF,ES,PATCH,AV COMES AND GOES,PAIRS=PGC'S/MAC,R=P
MAC 1157+3622		Galaxy
Apr 09 2008 31"	17mmT4	EF,VS,UB,INTERACT=PGC37639,CAN JUST BARELY SPERATE,R=P
Apr 09 2008 31"	17mmT4	VF,VS,OVAL,UB,NNC,COMP=PGC37639,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

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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
MAC 1305+5341		Galaxy
Apr 14 2004 31"	17mmT4	EF,ES,PATCH,PAIRS=4973 GROUP,R=P
MAC 1305+5342		Galaxy
Apr 14 2004 31"	17mmT4	EF,ES,PATCH,AV,PAIRS=4973 GROUP,R=P
MAC 1306+5328		Galaxy
Apr 14 2004 31"	17mmT4	VF,ES,STELLAR,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,VERY SMALL FNUC,R=P
MAC 1306+5339		Galaxy
Apr 14 2004 31"	17mmT4	DIF,EF,MS,PATCH,UB,NND,PAIRS=4973 GROUP,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

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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	
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,ELONG,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	

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NGC 2603		Galaxy S	EF,VS,
Feb 01 2005 31"	17mmT4	MF,MS,OVAL,PATCH,LARGE FNUC,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	
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,LARGE BNUC,HISB,PAIR=2641,R=G	
NGC 2630		Galaxy Sbc	2VF,VS,V NR 2629
Feb 01 2005 31"	17mmT4	PF,MS,ELONG,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,ELONG,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,LARGE FNUC,PAIR=2629,R=F	
NGC 2650		H908-2 Galaxy SB(rs)b:	PB,PL,IF,ER
Feb 04 2005 31"	17mmT4	MB,MS,R,LARGE BNUC,LOC IN TRI OF *S,HISB MIDDLE,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,SMALL FNUC,R=F	
NGC 2675		Galaxy E	VF,R,*15P 12S
Feb 04 2005 31"	17mmT4	MB,MS,R,LARGE BNUC,SHISB MIDDLE,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,LARGE FNUC,MOD HISB,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,LARGE CENTRAL REGION,TAPPERED ENDS,FAINT GLOW AROUND NUC	
NGC 2686A		Galaxy	VF,VS,D OR*CLOSE F
Apr 07 2008 31"	17mmT4	PF,PS,OVAL,UB,NND,INTERACTING=2686B,CAN BARELY SEPERATE TWO,PAIRS=NGC'S,R=F	

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NGC 2686B		Galaxy	
Apr 07 2008 31"	17mmT4	EF,VS,OVAL,UB,NND,INTERACTING=2686B,CAN BARELY SEPERATE 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	
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:
Feb 04 2005 31"	17mmT4	MB,PS,OVAL,R,LARGE BNUC,SHISB,*S OFF TO SIDE,PAIR=PGC25130,R=G	VF,S,R,PSBM
NGC 2693		H823-2	Galaxy E3:
Feb 04 2005 31"	17mmT4	VB,PL,LARGE BNUC,MOD HISB,PAIR=2694,R=G	PB,LE,PSMBM
Mar 15 1985 12.5"	12mm	DIF,VF,VS,SMALL 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:
Mar 15 1985 12.5"	12mm	EDIF,VF,MS,OVAL PATCH,UB,B* IN S PART,NND,SN?	PB,FANSHAPED,*11ATT
NGC 2710		H841-3	Galaxy SB(rs)b
Feb 04 2005 31"	17mmT4	PB,PL,ELONG,PATCH,UB,NND,R=G	VF,S
NGC 2726		H834-2	Galaxy Sa?
Mar 06 2003 12.5"	9mmT6	MF,ML,EL,UB,NND,MOD HISB,VF* IN GAL,SOMEWHAT BROKEN,R=G	CF,PS,IR,ER
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 GAL,PAIR=2739,R=P	
NGC 2742		H249-1	Galaxy SA(s)c:
Mar 06 2003 12.5"	9mmT6	VB,VL,OVAL,NND,MOD HISB,PATCHY,SPR STR SUSP,R=E	CB,CL,E90,ER
Mar 15 1985 12.5"	16mm	DIF,PF,PS,PATCHY-OVAL,NND,UB,3F*S TO S 1 GAL 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,SLIGHTLY HISB,R=F	
NGC 2756		H828-2	Galaxy Sb
Mar 06 2003 12.5"	9mmT6	MB,ML,R,BNUC,LARGE NUC AREA,MOD HISB MIDDLE,PAIR=PGC25755,R=G	PB,PS,E,VGBM
Jan 08 2003 12.5"	9mmT6	MB,ML,SMOD HISB,PATCH,OVAL,UB,COMP SUSP	

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NGC 2762		Galaxy S	VVF,S,R,1ST OF 4
Dec 07 2005 31"	17mmT4	VF,MS,ELONG,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	
NGC 2768		H250-1 Galaxy E6:	CB,CL,LE,PSBMLBN
Mar 06 2003 12.5"	9mmT6	VB,VL,OVAL,BNUC,HISB,DUST EXPECTED,GMBM,STELL NUC,HISB MIDDLE,MOD HISB ARMS,R=E	
Mar 15 1985 12.5"	16mm	MB,PL,OVAL,PATCHY,MOD HISB TOWARDS MIDDLE,NO *S	
Oct 16 1982 12.5"	12mm	MB,ML,2F*S OFF TO S,2B*S ON BOTH SIDES,ELONG,MBM,TAPPERED,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,ELONG,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,MOD HISB,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 GAL 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 EASTERN PART	
Oct 16 1982 12.5"	16mm	MB,MS,BNUC,OVAL,F* IN S PART,HISB MIDDLE	
NGC 2800		H832-3 Galaxy E	VF,S,LE,*ATT,*INV
Mar 26 2003 12.5"	9mmT6	PB,MS,OVAL,NND,BRT * IN GAL,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 FAINT NUC,OVAL	
NGC 2810		H749-3 Galaxy E	F,CS,BM
Apr 14 2004 31"	17mmT4	MB,ML,R,LARG BNUC,HISB MIDDLE,R=G	
NGC 2814		H868-2 Galaxy Sb:	F,S,IF,1ST OF 2
Apr 14 2004 31"	17mmT4	MB,ML,ELONG,LARGE FNUC,SHISB,PAIRS/IC2458/2820,R=G	
Jan 08 2003 12.5"	9mmT6	MF,PL,ELONG,OVAL,NND,SLIGHTLY 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 BROKEN,NND,SOMEWHAT HISB,PAIR/IC2458/2814	
NGC 2841		H205-1 Galaxy SA(r)b:	VB,L,VME151,VSMBM*10
Apr 14 2004 31"	17mmT4	VB,EL,ELONG,LARGE BNUC,HISB,LARGE 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	FAINTER * OFF NE,SAME	
Oct 16 1982 12.5"	16mm	VB,ML,ELONG,BNUC,F* IN N TIP,F*NW,GMBM,DIF HALO,VF*N	

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NGC 2841 Dec 03 1980 12.5" 24mm	H205-1	Galaxy SA(r)b:	VB,L,VME151,VSMBM*10
NGC 2854 Apr 07 2008 31" 17mmT4	H714-3	Galaxy SB(s)b PB,PL,ELONG,UB,NND,HISB,PAIR=2856,R=G	CF,CS,VLE,PGLBM
NGC 2856 Apr 07 2008 31" 17mmT4	H713-3	Galaxy S? PB,PL,OVAL,UB,NND,HISB,PAIR=2854,R=G	CF,CS,LE,BM
NGC 2857 Apr 07 2008 31" 17mmT4		Galaxy SA(s)c DIF,VF,VL,OVAL,R,UB,NND,3F*S ON EDGE,R=F	VF,PL,4ST P
NGC 2870 Apr 14 2004 31" 17mmT4	H846-3	Galaxy Sbc MF,ML,ELONG,UB,F* IN TIP,SLIGHTLY BM,R=G	CF,S,E,VGLBM
NGC 2880 Apr 14 2004 31" 17mmT4 Mar 15 1985 12.5" 12mm	H260-1	Galaxy SB0- PB,ML,R,LARGE BNUC,HISB,GRADUADLY MBM,PAIR=PGC26940,R=G DIF,PF,VS,OVAL-R,BM,LINE OF F*S TO N,B* OFF TO E	B,CS,R,MBM,AM ST
NGC 2892 Apr 14 2004 31" 17mmT4		Galaxy E+ pec: MB,ML,R,LARGE BNUC,HISB MIDDLE,R=G	PF,PS,R,LBM
NGC 2895 Apr 14 2004 31" 17mmT4		Galaxy SBc MF,MS,OVAL,PATCH.UB,NND,PAIRS/MAC/PGC27076,STELLAR NUC,R=F	VF,VS,R,VGBM,D*7'S
NGC 2950 Apr 14 2004 31" 17mmT4 Mar 15 1985 12.5" 12mm Oct 16 1982 12.5" 12mm Dec 03 1980 12.5" 24mm Aug 22 1980 12.5" 24mm	H68-4	Galaxy (R)SB(r)0^ MF,PS,R,LARGE BNUC,SEVERAL F*S ON EDGE OF HALO,HISB MIDDLE,GMBM,R=G SAME,PF,VS,BNUC,R,BM,NO *S CLOSE IN MF,PS,BNUC,* OFF NW SEVERAL GAL DIA,GMBM,OVAL	B,PS,R,VGVMBMN
NGC 2959 Apr 14 2004 31" 17mmT4		Galaxy (R')SAB(rs)ab p MF,ML,LARGE BNUC,PAIR=2961,R=G	F,PL,R,VGLBM,ST N
NGC 2961 Apr 14 2004 31" 17mmT4		Galaxy Sb: PF,ML,ELONG,PATCH,UB,NND,PAIR=2959,R=F	CF,S,LE,NF2959
NGC 2976 Apr 14 2004 31" 17mmT4 Mar 15 1985 12.5" 16mm Mar 27 1981 12.5" 24mm Dec 03 1980 12.5" 24mm Aug 22 1980 12.5" 24mm	H285-1	Galaxy SAc pec MB,VL,PATCH,UB,MOD HISB,VERY UNIQUE IN APPEARANCE,3*S AROUND EDGE,RECT,R=E IRR,DIF,PF,VL,ELONG,PATCH,F* S EDGE BY NUC,UB F* IN OUTER ARM REGION	B,VL,ME152,ST INV
NGC 2985 Apr 14 2004 31" 17mmT4	H78-1	Galaxy (R')SA(rs)ab VB,PL,R,LARGE BNUC,MOD HISB,HISB MIDDLE,R=E	VB,CL,R,PSMBM,*INV F

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NGC 2985		H78-1	Galaxy (R')SA(rs)ab	VB,CL,R,PSMBM,*INV F
Mar 15 1985 12.5"	12mm	PB,MS,BNUC,F*E SIDE,R,VMBM		
Dec 03 1980 12.5"	24mm	F* IN ARM REGION		
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,ELONG,UB,NND,HISB,PAIRS=NGC'S,R=G		
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,ELONG,*NUC,HISB CENGRAL REGION,PAIRS=NGC'S,R=F		
NGC 3009			Galaxy S?	PF,R,BM,R,P OF 2
Jan 29 2014 36"	17mmT4	MF,MS,R,VERY SMALL FNUC,R=F		
NGC 3010			Galaxy Triple System	F,PSBM,RR,F OF 2
Jan 29 2014 36"	17mmT4	PF,VS,OVAL,LARGE FNUC,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,ELONG,PATCH,NND,BAR IN GAL SUSP,CENTRAL AREA,R=F		
NGC 3031	M81		Galaxy SA(s)ab	EB,EL,E156,GSVMBMBN 2
Jan 29 2014 36"	17mmT4	M81,EB,EEL,OVAL,VERY LBNUC,HISB,FT ARMS ARCHING AROUND NUC,FILLS FOV,MANY **S IN GAL,R=E		
Mar 08 2013 36"	17mmT4	MESSIER MARATHON 2013		
Feb 04 2005 31"	17mmT4	EB,EL,ELONG,LARGE BNUC,HISB,TIGHT CORE,ARMS,R=E		
Apr 14 2004 31"	17mmT4	EF,EL,LARGE BNUC,HISB,M81,R=E		
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 15 1985 12.5"	16mm	VB,VL,ELONG,BNUC,LARGE SOFT NUC,VMBM,1F*S TIP,FAINT HALO TO TAPPED 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)
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		

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NGC 3034	M82	H79-4	Galaxy I0 sp	VB,VL,VME(RAY)
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 BROKEN,BEST TO DATE,R=E		
Apr 14 2004 31"	17mmT4	EF,EL,HISB,BEST EVER TODATE,NUC AREA PATCHY,DARK AREAS,BROKEN PARTS,R=E		
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,VERY HISB,2 DUST LANES DET,BRT REGIONS DET,TAPPERED,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,LARGE BRT NUC,HISB MIDDLE,PAIR=3066,R=G		
Mar 15 1985 12.5"	12mm	VF,MS,OVAL,BM,3066 CLOSE BY,F*NE SEVERAL GAL 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,SLIGHTLY 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,BRT CENTRAL 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,LARGE NUC AREA,MUCH HISB MIDDLE,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,LARGE NUC 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,MOD HISB,CENTRAL BULGE,SBM,DUST LANE SUSP,PAIR=3073,R=E		
Jan 08 2003 12.5"	9mmT6	VB,BL,EDGE ON,DUST DET,SLIGHTLY BULGE IN MIDDLE,F* IN TIP,MOD HISB,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,TAPPERED,NND		

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NGC 3079 Dec 03 1980 12.5" 24mm	H47-5 LOOKS LIKE MINATURE M82	Galaxy SB(s)c sp	VB,L,ME135
NGC 3102 Mar 06 2003 12.5" 9mmT6	H916-3 DIF,PF,PS,PATCH,*NUC,STELL NUC OR F* DETECTED,R=F	Galaxy S0-:	VF,VS,R,BM,*11 SP
NGC 3148 Dec 07 2005 31" 17mmT4	H916-3 EF,VS,PATCH,UB,NEED TO MOVE B* OUT OFF FOV,AV FIRST THEN HOLDS,R=P	Galaxy SB	*7INPHOTOSPHERE2OR3'
NGC 3164 Mar 06 2003 12.5" 9mmT6	H916-3 EDIF,EF,ES,PATCH,AV,SUSP,R=P	Galaxy S?	EF,S,R,VGLBM
NGC 3168 Apr 23 2003 12.5" 9mmT6	H916-3 VF,VS,PATCH,NND,PAIR=PGC30027,R=P	Galaxy E	F,PSBM,STELLAR,*7,8N
NGC 3182 Apr 23 2003 12.5" 9mmT6	H265-1 MB,PL,OVAL,BNUC,SHISB,LARGE BRT NUC AREA,R=G	Galaxy SA(r)a?	CB,CL,IR,VGBM
NGC 3184 Mar 15 1985 12.5" 16mm Oct 22 1982 12.5" 16mm	H168-1 SAME DIF,MF,ML,R,PATCHY,B* IN N PART,UB,KNTY STR SUSP,NND	Galaxy SBc	PB,VL,R,VGBM
NGC 3188 Dec 07 2005 31" 17mmT4 Apr 23 2003 12.5" 9mmT6 Apr 23 2003 12.5" 9mmT6	H910-3 MF,MS,OVAL,PATCH,UB,NND,VF* OFF ONE SIDE,PAIR=3188A,R=F DIF,VF,VS,FNUC,SLIGHT ELONG DET,HINT OF COMPANION,R=P VDIF,EF,ES,PATCH,AV,R=P	Galaxy (R)SB(r)ab	VF,PL,R
NGC 3188A Dec 07 2005 31" 17mmT4	H910-3 EF,ES,PATCH,AV,SUSP,VERY CLOSE TO NGC3188,R=P	Galaxy S?	
NGC 3198 Mar 15 1985 12.5" 16mm Oct 22 1982 12.5" 16mm Dec 03 1980 12.5" 24mm	H199-1 SAME DIF,MF,PL,EDGE ON,F*NW EDGE,UB,NND,TAPPERED TOWARDS ENDS	Galaxy SB(rs)c	PB,VL,ME45,VGBM
NGC 3202 Jan 29 2014 36" 17mmT4	H720-2 PB,VL,OVAL,SMALL BNUC,F* OFF EDGE,EXCELLENT TRIO,PAIRS=3205/3207,R=E	Galaxy SB(r)a	CF,S,R,VGBM,1ST OF 3
NGC 3205 Jan 29 2014 36" 17mmT4	H721-2 PB,VL,OVAL,LARGE BNUC,F* JUST OFF EDGE,EXCELLENT TRIO,PAIRS=3202/3207,R=E	Galaxy S?	CF,S,R,VGBM,2ND OF 3
NGC 3206 Apr 23 2003 12.5" 9mmT6 Mar 15 1985 12.5" 16mm	H266-1 DIF,VF,FL,OVAL,R,PATHC,UB,NND,R=G NO FIND,CIRCLES HOT	Galaxy SB(s)cd	PB,CL,E,VGLBM
NGC 3207 Jan 29 2014 36" 17mmT4	H722-2 VB,PL,OVAL,BNUC,MBM,EXCELLENT TRIO,PAIRS=3202/3205,R=E	Galaxy S?	CF,S,R,STELLAR,3 OF3

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NGC 3214		Galaxy SA0/a:	CB,VS,R,SBM,5'P3220
Apr 23 2003 12.5" 9mmT6		VF,PS,OVAL,PATCH,FNUC,R=F	
NGC 3220		H911-3 Galaxy Sb: sp	PF,CL,E92,*9F9.5'
Apr 23 2003 12.5" 9mmT6		DIF,VF,ML,EDGE ON,VFNUC,AV,BLINKING GAL,*NUC,COMES AND GOES,R=F	
NGC 3225		H882-2 Galaxy Scd:	CF,PL,LE,VGBM
Apr 23 2003 12.5" 9mmT6		DIF,MF,PL,ELONG,PATCH,NND,SHISB,F* OFF ONE SIDE,R=F	
Jan 08 2003 12.5" 9mmT6		DIF,PF,MS,FNUC,OVAL,SBM,F* ON EDGE,LARGE CENTRAL REGION	
NGC 3236		Galaxy E/S0	EF,VS,PSBM,2*11,12 F
Feb 04 2005 31" 17mmT4		PF,PS,R,SMALL FNUC,R=F	
NGC 3237		H631-3 Galaxy (R)SAB0^	VF,VS,R,PGBM
Feb 25 1982 12.5" 16mm		DIF,MF,MS,FNUC,R,SBM,NUC DET,SEVERAL *S SCATTERED N TO S	
NGC 3238		H883-2 Galaxy SA(r)0^:	F,S,R,PSLBM
Feb 04 2005 31" 17mmT4		PF,MS,OVAL,SMALL BNUC,SHISB,BAR SUSP,PAIR=PGC30649,R=G	
NGC 3259		H870-2 Galaxy SAB(rs)bc:	F,S,R,GBM
Feb 04 2005 31" 17mmT4		MB,ML,LARGE FNUC,SHISB,SOFT NUC,R=G	
Mar 15 1985 12.5" 16mm		EDIF,VF,VS,PATCHY,UB,NND,NO *S	
NGC 3264		Galaxy SBdm:	EF,BET 2S*
Feb 04 2005 31" 17mmT4		MF,PL,OVAL,PATCH,UB,*S OPPOSITE ENDS,R=F	
NGC 3266		H871-2 Galaxy SAB0^?	CF,VS,R,PSMBM*
Feb 04 2005 31" 17mmT4		PB,MS,OVAL,LARGE BNUC,MOD HISB MIDDLE,R=G	
NGC 3286		H917-3 Galaxy E?	VF,PS,R,PSLBM
Feb 04 2005 31" 17mmT4		MF,MS,SMALL BNUC,GMBM,SOMEWHAT HISB MIDDLE,PAIR=3288,R=G	
NGC 3288		H918-3 Galaxy SABbc:	EF,CS,R,VGLBM
Feb 04 2005 31" 17mmT4		MF,MS,OVAL,PATCH,UB,NND,PAIR=3286,R=F	
NGC 3298		H767-3 Galaxy E/S0	VF,PS,IE
Feb 05 2005 31" 17mmT4		MB,MS,OVAL,LARGE BNUC,SLIGHTLY HISB MIDDLE,R=G	
NGC 3310		H60-4 Galaxy SAB(r)bc pec	CB,PL,R,VG,VSMBMN
Mar 15 1985 12.5" 12mm		SAME	
Oct 22 1982 12.5" 12mm		SAME	
Oct 22 1982 12.5" 16mm		MB,MS,HISB,R,SBM,FORMS TRI WITH 2F*S,B* IN FIELD	
Dec 03 1980 12.5" 24mm			
NGC 3319		H700-3 Galaxy SB(rs)cd	CF,L,IE,MB,S OF M
Mar 15 1985 12.5" 24mm		EDIF,EF,MS,OVAL,UB,*S OFF TO ONE SIDE	

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NGC 3320 Mar 15 1985 12.5" 12mm	H745-2 EDIF,VF,VS,ELONG,PATCHY,NND,VF* IN S TIP,ELONG N TO S,B* TO N SEVERAL GAL DIA,SN	Galaxy Scd:	F,PS,ME,*10NF
NGC 3348 Mar 15 1985 12.5" 12mm	H80-1 PB,MS,BNUC,DOUBLE NUC,F* NEXT TO STELL NUC,R,BM	Galaxy E0	B,S,ILE,PSBM,*11F21S
NGC 3353 Mar 15 1985 12.5" 12mm	H842-3 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,STELL NUC DET DIF,MF,PL,LARGE 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 3392 Feb 05 2005 31" 17mmT4	H881-3 PB,MS,R,SMALL BNUC,MOD HISB MIDDLE,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 Feb 05 2005 31" 17mmT4	H792-3 MF,MS,OVAL,LARGE FNUC,PAIRS=IC644/OTHERS,R=F	Galaxy Sa?	VF,S,E,ER
NGC 3406 Feb 05 2005 31" 17mmT4	H919-3 MF,MS,LARGE BNUC,SHISB,2 HALVES,2 NUC,GBM,IRR,PAIRS=3410/MAC'S,R=G	Galaxy E	PB,R,PGBM
NGC 3407 Feb 05 2005 31" 17mmT4	H919-3 MF,PS,ELONG,LARGE FNUC,BM,SOMEWHAT HISB MIDDLE,R=F	Galaxy S0-:	VF,VS,R,VS*NR
NGC 3408 Feb 05 2005 31" 17mmT4	H913-3 PF,ML,OVAL,R,SHISB,LARGE PATCHY NUC,SLIGHTLY BM,R=G	Galaxy Sc:	VF,CS,R,2PB*S
NGC 3410 Feb 05 2005 31" 17mmT4	H913-3 VF,MS,OVAL,UB,NND,PAIRS=3406/MAC'S,R=F	Galaxy S?	F,PS,DIF,2'SF3406
NGC 3415 Mar 15 1985 12.5" 16mm	H718-2 NO FIND,CIRCLES HOT	Galaxy SA0+:	PB,S,VLE,STELL,3S*NR
NGC 3435 Feb 05 2005 31" 17mmT4	H887-2 MF,MS,PATCH,SMALL FNUC,R=F	Galaxy Sb	CF,PS,LE,VGBM
NGC 3440 Feb 05 2005 31" 17mmT4	H914-3 MF,MS,ELONG,LARGE FNUC,R=F	Galaxy SBb? sp	VF,S,LE
NGC 3445	H267-1	Galaxy SAB(s)m	CB,PL,IR,VGLBM,*NF2'

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NGC 3445		H267-1	Galaxy SAB(s)m	CB,PL,IR,VGLBM,*NF2'
Feb 05 2005 31"	17mmT4	PB,ML,OVAL,PATCH,UB,NND,MOD HISB,PAIR=PGC32784,R=G		
Mar 15 1985 12.5"	16mm	DIF,PF,MS,BNUC,MOD HISB,OVAL-R,F* CLOSE BY,UB,3458 IN SAME FOV		
NGC 3448		H233-1	Galaxy I0	B,PL,ME67,GBM
Apr 07 2008 31"	17mmT4	VF,VL,ELONG,LARGE BNUC,HISB,GOOD DEF,DUST AREA DET,CENTRAL BULGE,BROKEN,R=E		
Mar 15 1985 12.5"	16mm	DIF,VF,MS,EDGE ON,UB,SLIGHTLY ELONG,NND,BETWEEN A TRI OF VERY F*S		
NGC 3458		H268-1	Galaxy SAB0:	VB,VS,R,STELLAR
Mar 15 1985 12.5"	16mm	MF,PS,BNUC,R,BM,STELL NUC,3445 IN SAME FOV		
NGC 3470		H888-2	Galaxy SA(r)ab:	VF,S,R,VGBM
Feb 05 2005 31"	17mmT4	MF,MS,OVAL,LARGE FNUC,PAIR=PGC33043,R=F		
NGC 3471		H972-3	Galaxy Sa	VF,S,R,BM
Feb 04 2005 31"	17mmT4	MB,PL,ELONG,LARGE FNUC,MOD HISB MIDDLE,PAIR=PGC33071,R=G		
NGC 3478		H705-3	Galaxy SB(rs)bc	EF,S,R
Mar 15 1985 12.5"	16mm	EEDIF,EF,MS,2F*S TO S,PATCY,UB,NND		
NGC 3488		H269-1	Galaxy SB(s)c:	EF OR CB,VLE,PS,*13S
Apr 03 2005 31"	17mmT4	PB,ML,OVAL,LARGE FNUC SUSP,SOMEWHAT BM,R=G		
NGC 3499		H793-3	Galaxy I0?	VF,VS,STELLAR
Apr 03 2005 31"	17mmT4	MB,PS,R,SMALL BNUC,MOD HISB MIDDLE,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 SEVERAL GAL DIA		
NGC 3517		H884-2	Galaxy SAb:	EF,S,R,VGBM
Apr 03 2005 31"	17mmT4	MF,PS,R,SMALL BNUC,COMP=PGC33526,R=F		
NGC 3530		H915-3	Galaxy S?	VF,S,R,PGBM
Apr 03 2005 31"	17mmT4	MF,PS,ELONG,EDGE ON,SMALL BNUC,SUDDENDLY MBM,PAIR=MAC,R=F		
NGC 3543		H920-3	Galaxy S	EF,VS,E0,R
Apr 03 2005 31"	17mmT4	PF,PS,EDGE ON,UB,NND,CENTRAL BULGE,R=F		
NGC 3549		H220-1	Galaxy SA(s)c:	CB,CL,CE160
Mar 15 1985 12.5"	16mm	DIF,MF,PL,ELONG,PATCH,UB,NND		
NGC 3550		H351-3	Galaxy Pec	F(VAR),S,R,BM,10F4
Mar 16 2009 31"	17mmT4	MF,PL,R,LARGE BNUC,GRAD BM,HISB MIDDLE,AGC,R=F		
Apr 09 2008 31"	17mmT4	PB,PL,OVAL,LARGE BNUC,GMBM,MOD HISB MIDDLE,PAIRS=AGC1185,R=F		
NGC 3552		H352-3	Galaxy E	EF,VS,2ND OF 4
Mar 16 2009 31"	17mmT4	MF,PS,R,LARGE BNUC,MOD HISB MIDDLE,AGC,R=F		

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NGC 3552		H352-3	Galaxy E	EF,VS,2ND OF 4
Apr 09 2008 31"	17mmT4	PF,PS,OVAL,LARGE FNUC,SOMEWHAT HISB MIDDLE,PAIRS=AGC1185,R=F		
NGC 3553			Galaxy E	EF,VS,DNEB W/3552
Mar 16 2009 31"	17mmT4	VF,VS,PATHC,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
Mar 16 2009 31"	17mmT4	MF,PS,R,LARGE BNUC,MOD HISB MIDDLE,AGC,R=F		
Apr 09 2008 31"	17mmT4	PF,PS,OVAL,SMALL FNUC,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,MOD HISB,3*S IN GAL,H2 REGIONS DET,DUST DET,PATCHY ARMS DET,E		
Mar 15 1985 12.5"	12mm	MB,PL,VERY EDGE ON,F*N EDGE,B*CENTER,MOD HISB,KNTY STR SUSP,EXCELLENT!!!		
Mar 02 1984 10"	20mm	SAME		
Oct 22 1982 12.5"	16mm	DIF,MB,VL,F*N EDGE,EDGE ON,UB,LARGE,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
Mar 16 2009 31"	17mmT4	MB,ML,R,LARGE BNUC,MOD HISB MIDDLE,AGC,R=G		
Apr 09 2008 31"	17mmT4	MF,MS,OVAL,R,LARGE FNUC,PAIRS=AGC1185,R=F		
NGC 3561A			Galaxy S0^:pec	VF,VL,4 OF 4
Mar 16 2009 31"	17mmT4	MB,ML,R,LB NUC,SHISB MIDDLE,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
Mar 16 2009 31"	17mmT4	MB,ML,R,LB NUC,HISB MIDDLE,AGC,R=G		
Apr 09 2008 31"	17mmT4	PF,MS,OVAL,LARGE FNUC,PAIRS=AGC1185,R=F		
Apr 07 2008 31"	17mmT4	MF,MS,SMALL FNUC,AGC,MANY OTHERS PRESENT,R=G		
NGC 3583		H728-2	Galaxy SB(s)b	PB,PL,R,VGMBM
Mar 15 1985 12.5"	12mm	PB,MS,R,SBM,MOD HISB,B*S AROUND OBJECT		
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,W/OIII,LOOSE C*,DOESNOT HELP MUCH,LITTLE MORE DARK PATCHES DET,R=E		
Mar 16 2009 31"	17mmT4	EB,EL,C* DET APPROX 15TH MAG,DARK PATCHES,BROKEN EDGES,GREYISH GREEN,R=E		
Feb 04 2005 31"	17mmT4	OIII,VB,EL,OVAL,HISB,2 DARK PATCHES,CENTRAL *,BEST TO DATE,PATCHY AREAS,DET,R=E		

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NGC	3587	M97	Planetary Neb 3a	PLN,VB,VL,R,VVG,VSBM	
	Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
	Dec 26 2003	31"	17mmT4	PB,VL,MOD HISB,CENTRAL *,DARK PATCHES,EDGES FRAILED,ANOTHER F* OFF CENTER,R=E	
	Mar 15 1985	12.5"	12mm	VERY R,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,ELONG,EDGE ON,UB,NND,LARGE 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,LARGE FNUC,SOMEWHAT BM,PAIR=PGC34356,R=G	
NGC	3610		H270-1	Galaxy E5:	VB,PS,LE90,VSVMBMSN
	Mar 15 1985	12.5"	12mm	PB,MS,BNUC,R,BM,SLIGHT TAPPERING 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,SMBM,PAIR/3619	
	Oct 22 1982	12.5"	16mm	MB,PS,BNUC,R,SMALL BNUC,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 SURROUNDS OBJECT	
NGC	3619		H244-1	Galaxy (R)SA(s)0+:	CB,CL,R,VGMBM
	Mar 15 1985	12.5"	12mm	PF,MS,PATCHY,SMALL NUC,FAINTER 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,SMALL NUC,SPR STR DET,2 **S OUTER ARMS	
	Oct 22 1982	12.5"	16mm	DIF,VF,MS,PATCHY,OVAL,STELL 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	

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NGC 3652		H775-2	Galaxy Scd?	PF,CL,LE,VGBM
Apr 26 2006 31"	17mmT4	MF,PL,OVAL,LARGE FNUC,MOD HISB MIDDLE,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,SOMEWHAT HISB,SOMEWHAT 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,MOD HISB,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,SMALL BNUC,MOD HISB MIDDLE,GMBM,R=G		
NGC 3668		H845-2	Galaxy Sbc	F,PS,IR,GBM,*9NP
Apr 03 2005 31"	17mmT4	PB,PL,OVAL,R,SMALL BNUC,COMP NOT DET,VF* IN EDGE,GBM,HISB MIDDLE,FARM SUSP,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 CENTRAL 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 GAL,R=F		
NGC 3674		H886-2	Galaxy S0 sp	PF,IF
Apr 03 2005 31"	17mmT4	MB,MS,ELONG,EDGE ON,SMALL BNUC,GMBM,MOD HISB MIDDLE,PAIR=MAC,R=G		
Mar 15 1985 12.5"	16mm	COMP TO SE = 3683,NO DESC GIVEN		
NGC 3675		H194-1	Galaxy SA(s)b	VB,CL,VME0,VSMBMN
Mar 15 1985 12.5"	16mm	SAME,PB,ML,BNUC,F*N TIP,CIGAR SHAPE,MOD HISB,BM		
Oct 22 1982 12.5"	16mm	MB,ML,ELONG,BNUC,F* IN N TIP,BIG BRT NUC,GMBM		
NGC 3683		H246-1	Galaxy SB(s)c?	CB,PL,E
Mar 15 1985 12.5"	16mm	DIF,PF,PS,ELONG,UB,NND,NO *S,COMP TO NW = 3674		
NGC 3683A			Galaxy SB(rs)c	
Apr 03 2005 31"	17mmT4	PB,PL,OVAL,UB,NND,BRT * OFF EDGE,SOMEWHAT HISB,R=G		
NGC 3687		H770-2	Galaxy (R')SAB(r)bc?	PB,PS,R,LBM,R
Mar 15 1985 12.5"	16mm	DIF,PF,PS,OVAL,PATCH,NND		
NGC 3690		H247-1	Galaxy IBm pec	PB,PS,VLE80,PGBM
Apr 07 2008 31"	17mmT4	VB,PL,OVAL,UB,NND,HISB,PAIRS-IC694/PGC35345,R=G		
Apr 03 2005 31"	17mmT4	VB,ML,OVAL,R,UB,NND,HISB,INTERACTING=IC694,PAIRS=PGC/MAC,R=G		
Mar 15 1985 12.5"	16mm	PF,PS,SLIGHTLY ELONG,2 NUC DET,INTERACTING GAL = IC 694,MOD HISB!!		
NGC 3712			Galaxy SB?	F,VS,R,SMBM
Apr 07 2008 31"	17mmT4	EF,MS,ELONG,PATCH,UB,NND,AV BARELY HOLDS,R=P		
NGC 3718		H221-1	Galaxy SB(s)a pec	PB,VL,R,VGLBM

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NGC 3718	H221-1	Galaxy SB(s)a pec	PB,VL,R,VGLBM
Feb 23 2006 31" 17mmT4	VB,EF,LARGE BNUC,F* CLOSE TO NUC IN GAL,PATCHY,ARMS SUSP,H2 REGIONS,PAIR=MAC,R=E		
Mar 15 1985 12.5" 16mm	PF,VL,SPR ARMS DET,BRT BAR,VERY R,FACE ON,2B**S TO S,PAIR/3729		
Oct 22 1982 12.5" 24mm	MB,ML,2F**S IN S PART,OVAL,NND,PAIR/3729		
NGC 3725	H836-2	Galaxy SBc	CF,S,R,GVLBM,R
Apr 04 2005 31" 17mmT4	MB,ML,OVAL,SMALL BNUC,SLIGHTLY HISB MIDDLE,PAIR=PGC35626,R=G		
NGC 3726	H730-2	Galaxy SAB(r)c	PB,VL,LE0,VSMBM,*11N
Mar 15 1985 12.5" 16mm	DIF,MF,VL,F* ON N EDGE,UB,SOME KNTY STR SUSP		
Oct 22 1982 12.5" 24mm	MB,PL,UB,OBLONG,F* IN N TIP,NND		
NGC 3729	H222-1	Galaxy SB(r)a pec	PB,PL,LE0,GBM,*12NR
Feb 23 2006 31" 17mmT4	VB,VL,OVAL,SMALL BNUC,HISB,ARMS,PATCHY AREAS,BRT BAR LIKE NUC W/BULGE,COMP=MAC,* ON EDGE,R=E		
Mar 15 1985 12.5" 16mm	MB,ML,BRT THAN 3718,MOD HISB,B* ON S EDGE,UB,PAIR/3718		
Oct 22 1982 12.5" 24mm	VF,ML,OVAL,NND,MOD HISB,F* IN S PART,PAIR/3718		
NGC 3733	H771-3	Galaxy SAB(s)cd:	EF,S,IR,*6MSF
Apr 04 2005 31" 17mmT4	PF,VL,OVAL,PATCH,UB,NND,B* IN FOV CLOSE BY,SEVERAL OTHERS PRESENT,R=F		
NGC 3737	H772-3	Galaxy SB0	VF,STELLAR
Apr 04 2005 31" 17mmT4	PB,MS,ELONG,SMALL BNUC,PAIRS=PGC35811/MAC'S,R=G		
NGC 3738	H783-2	Galaxy Im	PB,PL,BM
Mar 15 1985 12.5" 16mm	PF,PL,OVAL,MOD HISB,UB,PAIR/3756		
NGC 3740	H847-3	Galaxy S	VF,VS,R,VGBM
Apr 04 2005 31" 17mmT4	MF,ML,OVAL,UB,NND,SHISB,R=G		
NGC 3756	H784-2	Galaxy SAB(rs)bc	PF,L,LE
Mar 15 1985 12.5" 16mm	PF,PL,OVAL,MOD HISB,UB,PAIR/3738		
NGC 3757	H843-3	Galaxy S0?	VF,R,STELLAR,VS*1DSF
Apr 04 2005 31" 17mmT4	PB,MS,OVAL,LARGE BNUC,HISB MIDDLE,R=G		
NGC 3759		Galaxy SAB0^:	F,S,IR,*11NR
Apr 04 2005 31" 17mmT4	MB,ML,ELONG,LARGE BNUC,PAIR=IC2943,R=G		
NGC 3759A		Galaxy SABc pec	
Apr 04 2005 31" 17mmT4	MF,ML,OVAL,SMALL FNUC,SOMEWHAT HISB,PAIR=MAC,R=F		
NGC 3762	H837-2	Galaxy Sa	F,VLE,GBM
Apr 04 2005 31" 17mmT4	PB,MS,EDGE ON,LARGE BNUC,CENTRAL BULGE,HISB MIDDLE,SMBM,R=G		
NGC 3769	H731-2	Galaxy SB(r)b:	PB,S,PME
Apr 09 2008 31" 17mmT4	VB,VL,ELONG,EDGE ON,UB,NND,MOD HISB,INTERACT=3769A,TIPS TOUCHING,R=E		

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NGC 3769 Mar 15 1985 12.5" 16mm	H731-2 PF,MS,ELONG,UB	Galaxy SB(r)b:	PB,S,PME
NGC 3769A Apr 09 2008 31" 17mmT4	PF,MS,ELONG,UB,NND,INTERACT=3769,TIPS TOUCHING,R=F	Galaxy SBm pec:	
NGC 3770 Apr 04 2005 31" 17mmT4	H838-2 MB,PS,R,SMALL BNUC,SMBM,MOD HISB MIDDLE,R=G	Galaxy SBa	PF,S,R,GBM,R
NGC 3780 Mar 15 1985 12.5" 16mm	H227-1 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 BETWEEN *S	Galaxy SAB(s)cd:	F,S,ATT TO*15,*INV
NGC 3786 Apr 09 2008 31" 17mmT4	PB,ML,ELONG,INTERACT=3788 AT TIPS,MBM,MOD HISB MIDDLE,R=G	Galaxy SAB(rs)a pec	PB,PL,E57,GBM,P OF 2
NGC 3788 Apr 09 2008 31" 17mmT4	PB,ML,ELONG,EDGE ON,PATCH,UB,NND,SHISB,INTERACT=3786 AT TIP,BROKEN,F* EDGE,R=G	Galaxy SAB(rs)ab pec	CB,PL,PME177,PGBM
NGC 3793 Apr 09 2008 31" 17mmT4	VF,VS,PATCH,UB,NND,VF* EDGE,2ND WORST NGC TO DATE,PAIRS=3786/3788,R=P	Galaxy Sc	VS,F3788
NGC 3795 Apr 04 2005 31" 17mmT4	MF,MS,EDGE ON,UB,NND,CIGAR SHAPE,R=G	Galaxy S	VF,S,ME
NGC 3796 Apr 04 2005 31" 17mmT4	MB,MS,ELONG,OVAL,LARGE BNUC,HISB MIDDLE,R=G	Galaxy S?	F,CS,R,MBM
NGC 3804 Apr 04 2005 31" 17mmT4	MF,PL,OVAL,UB,NND,SHISB,* ON EDGE,PATCHY AREAS,R=F	Galaxy SAB	PB,E
NGC 3809 Dec 07 2005 31" 17mmT4	PB,PS,R,LARGE BNUC,HISB MIDDLE,BM,R=G	Galaxy S0	PB,S,R,GLBM
NGC 3813 Mar 15 1985 12.5" 16mm Feb 12 1983 12.5" 16mm	H94-1 PF,PS,ELONG,EDGE ON,E-W,F*S AT BOTH TIPS,UB,NND,TAPPERED ENDS MF,PS,ELONG,F*E TIP,UB,NND,VF*W TIP SUSP	Galaxy SA(rs)b:	CB,PL,PME90,BM
NGC 3824 Dec 07 2005 31" 17mmT4	H774-3 PB,ML,ELONG,LARGE BNUC,HISB MIDDLE,BM,R=G	Galaxy SA(s)a? sp	VF,CS,PME
NGC 3829 Dec 07 2005 31" 17mmT4	H775-3 PF,MS,R,PATCH,UB,NND,R=P	Galaxy SB(s)b:	VF,VS
NGC 3835		Galaxy Sab: sp	PB,E,GBM,**8SF 5'

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NGC 3835		Galaxy Sab: sp	PB,E,GBM,**8SF 5'
Dec 07 2005 31"	17mmT4	PB,ML,EDGE ON,SMALL BNUC,CENTRAL BULGE,MOD HISB MIDDLE,R=G	
NGC 3838		H831-2 Galaxy SA0/a?	PB,CS,E,PSBM*12
Dec 07 2005 31"	17mmT4	VB,ML,ELONG,LARGE BNUC,HISB MIDDLE,BM,R=G	
NGC 3846		Galaxy SAc:	F,PL,R,VGBM
Feb 23 2006 31"	17mmT4	MF,MS,OVAL,PATCH,SOMEWHAT BM,SOMEWHAT HISB,PAIRS=MAC'S,R=G	
NGC 3846A		Galaxy SB(s)m:	
Feb 23 2006 31"	17mmT4	PB,PL,ELONG,OVAL,PATCH,UB,NND,MOD HISB,PAIR=PGC36463,R=G	
NGC 3850		H776-3 Galaxy SB(s)c:	EF,PL,LE
Feb 23 2006 31"	17mmT4	MB,VL,OVAL,PATCH,UB,NND,SOMEWHAT HISB,PAIR=MAC,R=G	
NGC 3870		H833-3 Galaxy S0?	CF,CS,R,PSBM
Feb 23 2006 31"	17mmT4	MF,MS,OVAL,SMALL BNUC,HISB MIDDLE,GMBM,R=G	
NGC 3877		H201-1 Galaxy SA(s)c:	B,L,ME37
Mar 15 1985 12.5"	16mm	SAME,PB,ML	
Feb 12 1983 12.5"	16mm	MB,PL,EDGE ON,KNTS DET,DUST LANES	
NGC 3888		H785-2 Galaxy SAB(rs)c	PB,S,LE,PGBM
Feb 23 2006 31"	17mmT4	VF,PL,OVAL,SMALL BNUC,HISB,PAIRS=3889/PGC/MAC,R=G	
Mar 15 1985 12.5"	16mm	MB,MS,OVAL,UB,NND,MOD HISB,PAIR/3898	
NGC 3889		Galaxy S0	VF,VS,5'S OF 3888
Feb 23 2006 31"	17mmT4	PF,PS,ELONG,LARGE BNUC,PAIRS=3888/PGC/MAC,R=F	
NGC 3893		H738-2 Galaxy SAB(rs)c:	B,PL,R,MBM
Mar 15 1985 12.5"	16mm	MB,ML,FNUC,R,F* ON EDGE,SBM,HISB	
Feb 12 1983 12.5"	16mm	MB,PL,BNUC,B* IN W SIDE,SBM,OVAL	
NGC 3894		H248-1 Galaxy E4-5	B,PL,IR,PGBM,P OF 2
Mar 15 1985 12.5"	12mm	PF,MS,OVAL,SBM,PAIR/3895	
NGC 3895		H832-2 Galaxy SB(rs)a:	PF,PL,VLE,GBM,F OF 2
Mar 15 1985 12.5"	12mm	PF,PS,OVAL,PATCHY,STELL NUC SUSP,PAIR/3894	
NGC 3898		H228-1 Galaxy SA(s)ab	B,PL,LE,SVMBM
Mar 15 1985 12.5"	12mm	PB,ML,BNUC,HISB,BM,R-OVAL,PAIR/3888	
Feb 12 1983 12.5"	16mm	MB,PL,ELONG,BNUC,VMBM	
NGC 3913		H786-2 Galaxy (R')SA(rs)d:	F,E
Feb 23 2006 31"	17mmT4	MF,ML,OVAL,LARGE FNUC,PATCHY,R=F	
NGC 3916		H787-2 Galaxy SAb: sp	EF,R,GBM

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NGC 3916		H787-2	Galaxy SA_b: sp	EF,R,GBM
Feb 23 2006 31"	17mmT4	PF,MS,ELONG TO EDGE ON,PATCH,UB,NND,SOMEWHAT HISB,PAIRS=3921/PGC37013,R=F		
NGC 3917		H824-2	Galaxy SA_{cd}:	F,L,VME,VGBM
Jan 29 2014 36"	17mmT4	MB,VL,ELONG,UB,NND,SHISB,CIGAR SHAPE,PAIR=PGC36973,R=GE		
Mar 04 2006 31"	17mmT4	PB,VL,EDGE ON,UB,NND,CENTRAL 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,LARGE BNUC,MOD HISB,SMBM,HISB MIDDLE,PAIRS=3916,PGC37013,R=G		
NGC 3922		H716-3	Galaxy S0/a	VF,VS
Mar 04 2006 31"	17mmT4	PB,PL,ELONG,LARGE BNUC,HISB,GMBM,* OFF NUC,R=G		
NGC 3924		H825-2	Galaxy S_m:	PB,S,IF,BM
Mar 04 2006 31"	17mmT4	DIF,VF,PS,PTACH,UB,NND,R=P		
NGC 3931		H769-3	Galaxy SA0-:	EF,S
Mar 04 2006 31"	17mmT4	PB,PL,R,LARGE FNUC,SMBM,MOD HISB MIDDLE,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,LARGE 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,ELONG,VERY BRIGHT NUC,LOOKS LIKE AN E6 GAL		
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 SURROUND OBJECT,R,VMBM,HISB MIDDLE		
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,MOD HISB,NO *S		
Feb 12 1983 12.5"	16mm	MF,PL,MOD HISB,OVAL,STELL NUC,KNTS SUSP,FACE ON		
NGC 3953		H45-5	Galaxy SB(r)bc	CB,L,E0,VSMLRN
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,DNUC,F*W EDGE,OVAL,SOFT DIM NUC,VMBM,FACE ON,HALO		
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 3972		H789-2	Galaxy SA(s)bc	PB,E

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NGC 3972 Feb 12 1983 12.5" 16mm	H789-2	Galaxy SA(s)bc	PB,E
		VDIF,VF,ML,EDGE ON,UB,TAPPERED ENDS,NND,PAIR/3977	
NGC 3975 Mar 04 2006 31" 17mmT4		Galaxy SAb?	VF,VS,3978F17S
		MF,MS,OVAL,PATCH,UB,NND,PAIRS=3978/PGC'S,R=F	
NGC 3977 Mar 02 1984 10" 20mm Feb 12 1983 12.5" 16mm	H790-2	Galaxy Sab	F,S
		MB,VL,FACE ON,SMALL NUC,F* SUSP CLOSE TO NUC,SBM,SOME SPR STR SUSP	
		MB,ML,BNUC,F*N SIDE,OVAL,F*E EDGE,KNTS SUSP,ARMS SHOW GOOD,PAIR/3972	
NGC 3978 Mar 04 2006 31" 17mmT4	H840-2	Galaxy SABbc:	CF,S,LE,BM,*8P6'
		PB,PL,R,SMALL FNUC,MOD HISB,SBM,PAIRS=3975/PGC'S,R=G	
NGC 3982 Feb 12 1983 12.5" 16mm	H62-4	Galaxy SAB(r)b:	B,PL,R,G,SBM,DISC
		MB,MS,DNUC,R,SBM,SAME 24MM FIELD WITH 3998	
NGC 3986 Apr 09 2008 31" 17mmT4		Galaxy S0 sp	PF,S,PME90,*11 NR
		MB,MS,ELONG,EDGE ON,LARGE FNUC,2F*S OFF SIDE,SOMEWHAT HISB MID,PAIR=IC2979,R=G	
NGC 3990 Mar 15 1985 12.5" 12mm	H791-2	Galaxy S0-: sp	PF,S,LE,PSLBM
		CLOSE COMP TO 3998	
NGC 3991 Apr 09 2008 31" 17mmT4		Galaxy Im pec sp	F,S,LE,1ST OF 3
		MF,ML,EDGE ON,BRTER ONE SIDE THAN OTHER/PAIRS=3995/3994,EXCELL GROUP,R=G	
NGC 3992 Mar 08 2013 36" 17mmT4 Mar 19 2004 12.5" 12mmT4 Dec 26 2003 31" 17mmT4 Mar 27 1981 12.5" 24mm Sep 18 1980 12.5" 24mm	M109 H61-4	Galaxy SB(rs)bc	CB,VL,PME,SBMBRN
		MESSIER MARATHON 2013	
		MESSIER MARATHON 2004	
		EB,EL,ELONG,VERY LARGE BNUC,HISB NUC,FARMS DET,PATCHY AREAS DET,M109,R=E	
		MESSIER MARATHON 1981	
NGC 3994 Apr 09 2008 31" 17mmT4		Galaxy SA(r)c pec?	PB,VS,2ND OF 3
		MB,MS,OVAL,LARGE BNUC,SHISB,BM,MOD HISB MIDDLE,EXCELL GROUP,PAIRS=3991/3995,R=G	
NGC 3995 Apr 09 2008 31" 17mmT4		Galaxy SAm pec	F,PL,IR,BM,3RD OF 3
		MF,PL,OVAL,UB,NND,MOD HISB,CIGAR SHAPE,PAIRS=3991/3994/EXCELL GROUP,R=G	
NGC 3998 Mar 15 1985 12.5" 12mm Feb 12 1983 12.5" 16mm	H229-1	Galaxy SA(r)0^?	CB,PS,R,VG,SMBM
		PB,MS,BNUC,R,COMP TO W = 3990	
		MB,MS,BNUC,R,VMBM,FAINT COMP (3990),FORMS TRI WITH 3982	
NGC 4013 Apr 26 2006 31" 17mmT4	H733-2	Galaxy Sb sp	B,CL,ME62,VSVMBM*10
		VB,EL,ELONG,PATCH,VB* CENTER OF NUC,12TH MAG,SS?,LARGE CENTRAL BULGE,SHISB,R=E	
NGC 4026 Feb 12 1983 12.5" 16mm	H223-1	Galaxy S0 sp	VB,CL,ME176,VSVMBMBN
		MB,PS,EDGE ON,DUST LANE SUSP,VBM,CENTRAL BULGE	

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NGC 4036 Mar 06 2003 12.5" 9mmT6 Feb 12 1983 12.5" 16mm	H253-1 VB,VL,BNUC,VBM,LARGE BRT NUC,HISB MIDDLE,TAPPERED ENDS,R=E MB,PL,EDGE ON,BNUC,CENTRAL BULGE,DUST LANE SUSP,BM,PAIR/4041	Galaxy S0-	VB,VL,E
NGC 4041 Mar 06 2003 12.5" 9mmT6 Feb 12 1983 12.5" 16mm	H252-1 VB,PL,R,HISB,VERY LARGE NUC,VF* SUSP IN GAL,SMALL AREA (RING),FAINT ARMS,R=E MF,MS,DNUC,R,SBM,PAIR/4036	Galaxy SA(rs)bc:	B,CL,R,G,PSVMBMRN
NGC 4047 Apr 26 2003 12.5" 9mmT6	H741-2 MB,ML,OVAL,BNUC,MOD HISB,R=G	Galaxy (R)SA(rs)b:	PB,PS,R
NGC 4051 Feb 12 1983 12.5" 16mm	H56-4 MB,PL,FAINT NUC,F*W EDGE,BRT * E,STELL NUC,KNTS SUSP,FACE ON,OVAL	Galaxy SAB(rs)bc	B,VL,E,VGVSMBM*11
NGC 4054 Mar 06 2003 12.5" 9mmT6	H794-3 EDIF,EF,VS,PATCH,AV,COMES AND GOES THEN HOLDS,R=P	Galaxy S	EF,S
NGC 4062 Apr 26 2003 12.5" 9mmT6	H174-1 VB,VL,ELONG TO OVAL,UB,VERY HISB,VF* OFF NUC,R=E	Galaxy SA(s)c	PB,VL,ME97,VGBM
NGC 4068 Mar 06 2003 12.5" 9mmT6	H781-2 DIF,MF,VL,OVAL,R,NND,BRT * IN CENTER,F* OFF ONE SIDE,FACE ON,SPR STR SUSP,R=G	Galaxy IAm	PF,S,STELLAR
NGC 4081 Mar 06 2003 12.5" 9mmT6	H781-2 MF,MS,ELONG,UB,NND,R=F	Galaxy Sa?	F,S,ME,D*NR
NGC 4085 Mar 06 2003 12.5" 9mmT6 Feb 12 1983 12.5" 24mm	H224-1 MB,VL,EDGE ON,UB,NND,PAIR=4088,R=G DIF,PF,ML,EDGE ON,UB,NND,PAIR/4088	Galaxy SAB(s)c:?	B,PL,ME78,VSBM
NGC 4088 Mar 06 2003 12.5" 9mmT6 Feb 12 1983 12.5" 24mm	H206-1 MB,EL,OVAL,PATCH,UB,NND,SOMEWHAT HISB,PAIR=4085,R=E DIF,PB,PL,ELONG,HISB,NND,UB,W SIDE WIDER THAN E,PAIR/4085	Galaxy SAB(rs)bc	B,CL,E55,LBM
NGC 4096 Mar 22 2004 12.5" 12mmT4 Mar 27 1981 12.5" 24mm	H207-1 MF,PL,EDGE ON,PATCH,NND,SOMEWHAT BM,CENTRAL REGION PATCHY,BROKEN,R=G	Galaxy SAB(rs)c	PB,VL,ME32
NGC 4100 Apr 26 2006 31" 17mmT4	H717-3 PB,PL,SBNUC,MHISB,VERY SMALL BRT STELLAR LIKE NUC,UB THROUGHOUT,R=E	Galaxy (R')SA(rs)bc	PB,VL,VME161,VGVLBM
NGC 4102 Mar 06 2003 12.5" 9mmT6 Feb 12 1983 12.5" 16mm	H225-1 PB,ML,OVAL,BNUC,HISB,LARGE HISB NUC,F* OFF ONE EDGE,R=G MB,PS,BNUC,R,BM,F* (13 MAG) W EDGE,F* FARTHER E	Galaxy SAB(s)b?	B,PS,R,BMBN,*12SPVNR
NGC 4141 Mar 06 2003 12.5" 9mmT6	H795-3 EDIF,EF,ES,PATCH,AV,R=P	Galaxy SBcd:	VF,PS,LE,GBM,R

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NGC 4142 Mar 06 2003 12.5" 9mmT6	H814-3 VDIF,VF,MS,PATCH,UB,AV,R=P	Galaxy SB(s)d:	VF,S,IF,VGLBM,ER
NGC 4144 Mar 22 2004 12.5" 12mmT4	H747-2 MF,PL,EDGE ON,SHISB,SB TOWARDS BAR,CENTRAL BULDGE,R=E	Galaxy SAB(s)cd? sp	PF,CL,VME109,VGBM
NGC 4149 Mar 06 2003 12.5" 9mmT6	H802-2 MF,MS,ELONG,UB,NND,R=F	Galaxy S?	F,S,E
NGC 4157 Apr 23 2003 12.5" 9mmT6	H208-1 VF,EL,EDGE ON,BNUC,MOD HISB,DUST LANE SUSP,RES 7331,CENTRAL BULGE,R=E	Galaxy SAB(s)b? sp	PF,CL,VME60,(DOUBLE)
NGC 4161 Apr 23 2003 12.5" 9mmT6	H803-2 PB,ML,ELONG,PATCH,SOMEWHAT HISB,B* SURROUNDS OBJECT,GBM,R=G	Galaxy S?	F,S,R
NGC 4172 Apr 23 2003 12.5" 9mmT6	H792-2 DIF,PF,ML,OVAL,PATCH,FNUC,R=F	Galaxy S?	F,S,LE,GBM
NGC 4194 Apr 23 2003 12.5" 9mmT6	H867-2 PB,ML,OVAL,R,BNUC,MOD HISB,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,BETWEEN 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,LARGE BNUC,F* OFF ONE SIDE,ANOTHER OFF END,MOD HISB MID,PAIR=MAC,R=G	Galaxy S0-:	PB,PL,IF
NGC 4284 Feb 04 2005 31" 17mmT4	H798-3 MB,PS,ELONG,VERY SMALL FNUC,* 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,SMALL BNUC,SHISB,HISB MIDDLE,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,LARGE BNUC,HISB MIDDLE,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 GAL,INTERACT=4364,PAIRS=4362/MAC,R=P	Galaxy S0	CF,CS,LE
NGC 4362 Feb 04 2005 31" 17mmT4	H800-3 MF,MS,OVAL,SMALL FNUC,GRADUALLY BM,PAIRS=4364/4358,R=F	Galaxy S?	VF,CS,R,R

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NGC 4364 Feb 04 2005 31"	17mmT4	H801-3 MF,MS,OVAL,LARGE FNUC,SLIGHTLY HISB MIDDLE,INTERACT=4358,PAIR=4362,R=G	Galaxy S0	CF,CS,R
NGC 4384 Feb 04 2005 31"	17mmT4	H879-3 MB,MS,OVAL,LARGE NUC,SHISB,GRADUALLY BM,R=G	Galaxy Sa	CF,S,IR
NGC 4500 Feb 04 2005 31"	17mmT4	H234-1 PB,MS,ELONG,SMALL BNUC,HISB MIDDLE,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,SMALL BNUC,VERY CLOSE COMP=PGC41897,OTHER PAIRS,R=F	Galaxy E/S0	VF,PS,E,VGBM,*9F,PO2
NGC 4549 Mar 26 2006 31"	17mmT4	H807-3 VF,PS,ELONG,PATCH,UB,NND,OTHER PAIRS,R=P	Galaxy	EF,PS,E,F OF 2
NGC 4566 Mar 26 2006 31"	17mmT4	H880-3 MB,MS,OVAL,R,SBNUC,FAINT HALO AROUND NUC,SMBM,MOD HISB MIDDLE,R=G	Galaxy S	PF,S,IR,GBM
NGC 4605 Mar 26 2006 31"	17mmT4	H254-1 EB,VL,ELONG,UB,HISB PATCHES DET,* OFF ONE SIDE,CENTRAL BULGE,R=E	Galaxy SB(s)c pec	B,L,VME118,GLBM
NGC 4644 Mar 26 2006 31"	17mmT4	H794-2 MF,MS,ELONG,LFNUC,SOMEWHAT HISB MIDDLE,CLOSE COMP=PGC42725,R=F	Galaxy SBb:	VF,S,R,GBM
NGC 4646 Mar 26 2006 31"	17mmT4	H794-2 MB,MS,OVAL,LBNUC,* OFF EDGE,GMBM,HISB MIDDLE,PAIR=MAC,R=G	Galaxy S0?	F,S,4VS*SP
NGC 4652 Mar 26 2006 31"	17mmT4	H794-2 PF,PS,ELONG,LARGE FNUC,VF* IN EDGE,R=F	Galaxy Sb	PF,PL,GBM,2B*6'NP
NGC 4669 Mar 26 2006 31"	17mmT4	H794-2 MF,MS,ELONG,UB,NND,SHISB,CIGAR SHAPE,SOMEWHAT HISB,R=F	Galaxy S	F,E,(RESOLVABLE)
NGC 4675 Mar 26 2006 31"	17mmT4	H778-3 MF,MS,ELONG,UB,NND,SHISB,PAIR=PGC43028,R=F	Galaxy SBb:	CF,S,LE
NGC 4686 Mar 26 2006 31"	17mmT4	H795-2 MB,ML,ELONG,LBNUC,FAINT HALO,ARMS,HISB MIDDLE,GMBM,BM,R=G	Galaxy Sa	PF,VS,VME,VSMBM
NGC 4695 Mar 26 2006 31"	17mmT4	H796-2 MF,MS,ELONG,PATCH,UB,NND,VF* IN TIP,CLOSE COMP NOT DET,R=F	Galaxy S	EF,PS,VLE,MBMN
NGC 4732 Mar 26 2006 31"	17mmT4	H814-2 MB,MS,ELONG,LARGE BNUC,SOMEWHAT HISB MIDDLE,R=G	Galaxy E	F,S,VSMBM

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NGC 4801		H816-3	Galaxy L	EF,S,LE
Mar 26 2006 31"	17mmT4	MF,PS,OVAL,SMALL BNUC,R=F		
NGC 4814		H243-1	Galaxy SA(s)b	B,PS,VLE,VGBM
Mar 26 2006 31"	17mmT4	MB,ML,OVAL,SBNUC,MHISB,GMBM,SMALL R NUC,HISB MIDDLE,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,SMALL FNUC,R=F		
NGC 4973		H781-3	Galaxy E/S0	VF,S
Apr 14 2004 31"	17mmT4	MF,MS,OVAL,R,SMALL BNUC,BM,PAIRS/MANY,R=F		
NGC 4974		H782-3	Galaxy E/S0	VF,S
Apr 14 2004 31"	17mmT4	MF,MS,OVAL,R,SMALL BNUC,BM,PAIRS=4973 GROUP,R=F		
NGC 4977		H780-3	Galaxy SA(r)b	CF,S
Apr 14 2004 31"	17mmT4	MF,PS,OVAL,LARGE FNUC,R=F		
NGC 5001			Galaxy SB	PF,S,IR,GBM
Apr 14 2004 31"	17mmT4	MF,MS,R,SMALL BNUC,MHISB,R=F		
NGC 5007		H848-3	Galaxy S0-:	VF,VS
Apr 14 2004 31"	17mmT4	MF,MS,OVAL,R,SMALL BNUC,PAIR=PGC45617,R=F		
NGC 5109		H826-2	Galaxy S	CF,S,CE
Apr 14 2004 31"	17mmT4	DIF,PF,MS,ELONG,UB,CENTRAL BULDGE,PAIR=5113,R=F		
NGC 5113		H808-3	Galaxy Sbc	CF,S,E,(=5109)
Apr 14 2004 31"	17mmT4	VDIF,VF,PS,ELONG,PATCH,UB,NND,PAIR=5109,R=P		
NGC 5163		H821-3	Galaxy E	CF,STELLAR
Apr 03 2005 31"	17mmT4	MB,PS,OVAL,R,SMALL BNUC,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,SMALL BNUC,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,VERY SMALL FNUC,SLIGHTLY BM,R=F		

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NGC 5216 Apr 03 2005 31"	17mmT4	H841-2 PB,ML,R,LARGE BNUC,SMBM,MOD HISB MIDDLE,R=G	Galaxy E0 pec	PB,S,VLE
NGC 5218 Apr 03 2005 31"	17mmT4	H842-2 PB,ML,OVAL,UB,NND,SHISB,PAIR=5216,R=G	Galaxy SB(s)b? pec	PB,PL,R,GBM
NGC 5250 Apr 03 2005 31"	17mmT4	H817-2 PB,MS,R,SMALL BNUC,SOMEWHAT HISB MIDDLE,R=G	Galaxy S0	PB,S,R,VGBM
NGC 5255 Apr 03 2005 31"	17mmT4	H803-3 MF,VS,SMALL BNUC,R=G	Galaxy Sb	VF,VS
NGC 5278 Apr 03 2005 31"	17mmT4	H798-2 MF,MS,OVAL,UB,NND,CLOSE COMP=5279,PAIRS=PGC'S,R=F	Galaxy SA(s)b? pec	PF,R,VS NEB40"F,*N
NGC 5279 Apr 03 2005 31"	17mmT4	H798-2 MF,MS,OVAL,UB,NND,CLOSE COMP=5279,PAIRS=PGC'S,R=F	Galaxy SB(s)a pec	F,VS,F OF 2
NGC 5294 Apr 03 2005 31"	17mmT4	H785-3 PF,VS,R,UB,NND,F* OFF EDGE,R=F	Galaxy	EF,2ST ATT OR INV
NGC 5308 Apr 03 2005 31"	17mmT4	H255-1 PF,PL,EDGE ON,LARGE BNUC,HISB MIDDLE,DUST SUSP,TAPPERED ENDS,BULGE,R=E	Galaxy S0- sp	B,PL,ME57,PSBMBEN
NGC 5322 Apr 03 2005 31" Feb 12 1983 12.5"	17mmT4 16mm	H256-1 VB,VL,ELONG,OVAL,LARGE BNUC,HISB MIDDLE,* OR COMP OFF NUC,F* ON EDGE,SN?,R=E VB,ML,BNUC,R,BM,2F*S OFF IN A LINE	Galaxy E3-4	VB,PL,IR,PSMBM
NGC 5342 May 16 2004 31"	17mmT4	H849-3 PB,MS,ELONG,LARGE BNUC,R=F	Galaxy S0	EF,VS
NGC 5368 May 16 2004 31"	17mmT4	H786-3 MB,MS,OVAL,LARGE BNUC,HISB MIDDLE,GMBM,PAIR=MAC,R=G	Galaxy (R')SABab:	F,CS,R,STELL,*16NF
NGC 5370 May 16 2004 31"	17mmT4	H843-2 MF,MS,OVAL,LARGE BNUC,GMBM,SHISB MIDDLE,R=G	Galaxy SB(r)0^	F,S
NGC 5372 May 16 2004 31"	17mmT4	H809-3 PB,ML,ELONG,LARGE BNUC,HISB MIDDLE,R=G	Galaxy S?	CF,S,E,(**INV)
NGC 5376 May 16 2004 31"	17mmT4	H844-2 MB,PL,OVAL,PATCH,SHISB,BRT PATCH IN GAL DET CLOSE TO NUC,PAIRS=5389/5379,R=G	Galaxy SAB(r)b?	CB,PL,VLE,VGMBM
NGC 5379 May 16 2004 31"	17mmT4	H239-1 DIF,MF,ML,OVAL,PATCH,NND,SOMEWHAT BM,PAIRS=5389/5376/P49512,R=F	Galaxy S0	PB,PS,E,MBM
NGC 5389		H240-1	Galaxy SAB(r)0/a:?	PB,PL,E,MBMN

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NGC 5389		H240-1	Galaxy SAB(r)0/a:?	PB,PL,E,MBMN
May 16 2004 31"	17mmT4	PB,PL,ELONG,LARGE BNUC,MOD HISB,GMBM,TAPPED 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,SLIGHTLY BRTER 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,LARGE BRT NUC,MOD HISB MIDDLE,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
Mar 06 2003 12.5"	9mmT6	PB,ML,OVAL,PATCH,SOMEWHAT HISB,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 GAL,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,ELONG,PATCH,UB,NND,SOMEWHAT HISB,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,VSMBMBSN 4
Mar 08 2010 31"	17mmT4	PB,EL,OVAL,SMALL BNUC,FACE ON,SPR STR,H2 REGIONS,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,BNUC,HISB,FACE ON,KNTS DET,ARMS DET,SPR STR DET,F*'S,SMALL RNUC,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,BRT AREA WITH ELONG ENDS,KNOT IN GAL,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,ELONG,UB,KNOT IN GAL,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,LARGE BNUC,GAL IN M101,PAIRS=NGC'S,R=G		
Nov 24 2006 12.5"	12mmT4	VF,VS,R,SMALL FNUC,VERY CLOSE TO M101,R=F		
May 16 2004 31"	17mmT4	MB,MS,R,LARGE BNUC,LARGE NUC AREA,CLOSE TO M101,MOD HISB,PAIR=MAC,R=G		

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NGC 5473	H231-1	Galaxy SAB(s)0-:	PB,S,R,GBM
Mar 06 2003 12.5" 9mmT6	PB,ML,R,BNUC,MOD HISB,R=G		
Jun 11 1983 12.5" 20mm	MB,PS,BNUC,BETWEEN 2 F*S E&W,R,SBM,CLOSE TO M101 (NORTH)		
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 GAL DET,R=G		
Jun 11 1983 12.5" 20mm	DIF,MB,PL,FNUC,F*NW 1 GAL DIA,OVVAL,SMALL BRT NUC,SOUTH 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,ELONG,FNUC,SBM,R=G		
NGC 5477	H790-3	Galaxy SA(s)m	VF,PL
Nov 24 2006 12.5" 12mmT4	VF,MS,OVVAL,PATCH,UB,CLOSE TO M101,R=P		
May 16 2004 31" 17mmT4	DIF,PF,VL,OVVAL,UB,NND, 2VF*S IN GAL,R=F		
Mar 06 2003 12.5" 9mmT6	EDIF,EF,MS,PATCH,SUSP ONLY,LOCATION,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,LARGER THAN COMP,PAIR/5481,R=F		
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 5484	H791-3	Galaxy E2	VF,S,R,4'FROM 5485
Mar 06 2003 12.5" 9mmT6	AV,SUSP ONLY,LOCATION 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,MOD HISB,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,OVVAL,UB,NND,R=F		
NGC 5526	H804-3	Galaxy Sbc	VF,S,E,R
Mar 06 2003 12.5" 9mmT6	VDIF,VF,PS,ELONG,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

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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 VARIOUS PARTS DETECTED,R=F		
NGC 5631		H236-1	Galaxy SA(s)0^	B,S,R,PSBMN
Jun 01 2003 12.5"	9mmT6	PB,ML,ELONG,BNUC,SHISB,HALO-ARMS,SMALL BRFT NUC,STELLAR LIKE,GMBM,R=G		
Jun 11 1983 12.5"	20mm	MF,VS,BNUC,SEVERAL F*S TO N,R,GBM,BARREN AREA TO SOUTH		
PAL 4			Globular	
Apr 11 2015 36"	17mmT4	EF,MS,PATCH,~TYPE X,VERY F 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 CENT OF VF NEB PATCH,BRTER 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 24908			Galaxy SBb	
Apr 07 2008 31"	17mmT4	VF,MS,OVAL,LARGE FNUC,MOD HISB,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,LARGE BNUC,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,SMALL FNUC,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,SLIGHT CENTRAL BULGE,PAIR=MAC,R=F		
PGC 25369			Galaxy Sc	
Apr 07 2008 31"	17mmT4	EF,VS,PATCH,NND,BROKEN PIECES,VF*S AROUND NUC AREA,PATCHY,PAIR=PGC25370,R=P		
PGC 25370			Galaxy S?	
Apr 07 2008 31"	17mmT4	MF,MS,OVAL,R,LARGE FNUC,SOMEWHAT HISB MIDDLE,PAIR=PGC25369,R=F		
PGC 25649			Galaxy S0-:	

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PGC 25649		Galaxy S0-:
Apr 07 2008 31"	17mmT4	MF,PS,R,SMALL BNUC,SOMEWHAT HISB MIDDLE,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 GAL,R=P
PGC 26572		Galaxy SBR
Apr 14 2004 31"	17mmT4	DIF,PF,MS,OVAL,UB,NND,VF* IN GAL,R=F
PGC 26579		Galaxy Sa
Apr 14 2004 31"	17mmT4	PF,MS,OVAL,PATCH,LARGE FNUC,R=F
PGC 26694		Galaxy C
Apr 07 2008 31"	17mmT4	PB,VS,R,VERY SMALL FNUC,CLOSE TO *,R=P
PGC 26849		Galaxy SB(s)dm pec
Apr 07 2008 31"	17mmT4	MF,MS,R,LARGE FNUC,PAIR=PGC26864,R=F
PGC 26864		Galaxy SAB(s)c
Apr 07 2008 31"	17mmT4	VF,PS,ELONG,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,SMALL BNUC,B DOUBLE * IN FOV,SHISB MIDDLE,R=F
PGC 27076		Galaxy SB
Apr 14 2004 31"	17mmT4	DIF,EF,VS,AV,PAIRS/2895/MAC,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,SMALL FNUC,R=F
PGC 28239		Galaxy Spiral
Mar 06 2010 31"	17mmT4	PF,MS,EDGE ON,UB,NND,R=F
PGC 28330		Galaxy

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PGC 28330		Galaxy
Jan 29 2014 36"	17mmT4	PF,VS,OVAL.LFNUC,PAIRS=3010/PGC28340,R=F
PGC 28340		Galaxy Compact
Jan 29 2014 36"	17mmT4	PF,VS,R,NND,PAIRS=3010/PGC28330,R=PF
PGC 28751		Galaxy S
Apr 07 2008 31"	17mmT4	EEF,ES,DETECTED 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,SEVERAL VF**S IN AND AROUND GAL,R=P
PGC 28764		Galaxy S?
Apr 07 2008 31"	17mmT4	PF,PS,ELONG,SMALL BNUC,HICKSON 41,R=F
PGC 28770		Galaxy S
Apr 07 2008 31"	17mmT4	VS,PS,ELONG,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,ELONG,UB,NND,PAIR=MAC,R=P
PGC 29142		Galaxy S0/a
Apr 07 2008 31"	17mmT4	EF,VS,ELONG,UB,NND,AV FIRST THEN HOLDS,B* CLOSE BY,R=P
PGC 29229		Galaxy Sdm:
Feb 09 2013 36"	17mmT4	EF,ES,PATCH,PA~?,FAINT PATCH SUSP,R=P
PGC 29327		Galaxy E/S0
Apr 07 2008 31"	17mmT4	MB,PS,R,SMALL BNUC,MOD HISB MIDDLE,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,MOD HISB,B*TIP,DUST AREAS SUSP,PATCHY,BROKEN PARTS,R=G
PGC 29550		Galaxy SB(s)c
Apr 07 2008 31"	17mmT4	EF,VS,AV,SUSP,LOC GOOD,LOC IN BARRON * FIELD,FEW GUIDE STARS,AV ONCE,R=P

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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,VERY SMALL FNUC,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,ELONG,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 SMALL 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,SMALL BNUC,MB,HISB MIDDLE,R=F
PGC 31192		Galaxy Sbc
Feb 04 2005 31"	17mmT4	PF,MS,EDGE ON,UB,NND,R=F

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PGC 31697		Galaxy S?
Feb 23 2006 31"	17mmT4	MB,ML,ELONG,LARGE BNUC,MOD HISB,B* BETWEEN THE 2,PAIR=PGC31720/MAC,R=G
PGC 31720		Galaxy S?
Feb 23 2006 31"	17mmT4	MB,ML,ELONG,LARGE BNUC,MOD HISB,F* OFF TIP,B* BETWEEN THE TWO,PAIR=PGC31697,R=G
PGC 31959		Galaxy SBb
Feb 23 2006 31"	17mmT4	MB,MS,ELONG,SMALL BNUC,MOD HISB MIDDLE,SMBM,R=G
PGC 31965		Galaxy S0/a
Feb 23 2006 31"	17mmT4	PB,MS,ELONG,LARGE BNUC,SMBM,HISB MIDDLE,R=G
PGC 32218		Galaxy I
Feb 05 2005 31"	17mmT4	VF,VS,OVAL,PATCH,UB,NND,PAIRS=3364/MAC'S,R=P
PGC 32405		Galaxy Im:
Feb 05 2005 31"	17mmT4	VDIF,EF,PL,OVAL,NND,AV,R=P
PGC 32587		Galaxy
Feb 05 2005 31"	17mmT4	PF,MS,OVAL,SMALL FNUC,B* IN FOV,PAIRS=3398/OTHERS,R=F
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 SEPERATE,PAIRS=PGC'S,R=P
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,ELONG,PATCH,UB,NND,PAIR=3471,R=P
PGC 33205		Galaxy Sbc
Apr 03 2005 31"	17mmT4	PF,MS,ELONG,PACH,NND,PAIR=MAC,R=F

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PGC 33423		Galaxy Ring
Apr 07 2008 31"	17mmT4	PF,PS,ELONG,EDGE ON,BRIGHTER ALONG AXIS,BM,PAIR=MAC,R=F
PGC 33448		Galaxy C
Apr 07 2008 31"	17mmT4	PF,VS,R,SMALL FNUC,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,ELONG,LARGE FNUC,SOMEWHAT HISB,R=F
PGC 33625		Galaxy SBdm
Apr 04 2005 31"	17mmT4	VDIF,VF,PL,ELONG,PATCH,UB,NND,R=P
PGC 33887		Galaxy S
Mar 16 2009 31"	17mmT4	VF,PS,PATCH,UB,AGC,R=P
PGC 33924		Galaxy C
Mar 16 2009 31"	17mmT4	MF,MS,R,SMALL BNUC,AGC,R=F
Apr 09 2008 31"	17mmT4	MF,MS,OVAL.SMALL FNUC,PAIRS=AGC1185,R=F
PGC 33944		Galaxy
Mar 16 2009 31"	17mmT4	EF,VS,PATCH,AV ONE TIME,SUSP,AGC,R=P
PGC 33994		Galaxy
Mar 20 2009 31"	12mmT4	EF,ES,SUSP ONLY,AGC,R=P
PGC 34000		Galaxy S
Mar 16 2009 31"	17mmT4	MF,MS,ELONG,LF NUC,SLIGHTLY BM,AGC,R=F
Apr 07 2008 31"	17mmT4	PF,MS,OVAL,UB,NND,AGC,MANY OTHERS PRESENT,R=F
PGC 34017		Galaxy
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
Mar 16 2009 31"	17mmT4	PF,PS,OVAL,SMALL FNUC,AGC,R=F
PGC 34068		Galaxy S
Mar 16 2009 31"	17mmT4	MF,MS,EDGE ON,UB,NND,CENTRAL BULGE,TAPPED ENDS,R=F
PGC 34303		Galaxy S0
Feb 23 2006 31"	17mmT4	MB,PS,SMALL BNUC,MBM,HISB MIDDLE,R=G
PGC 34356		Galaxy SBR
Apr 03 2005 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,PAIR=3594,R=F

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PGC 34375		Galaxy E3:
Mar 17 2009 31"	17mmT4	MF,PS,OVAL,SMALL BNUC,AGC,R=F
PGC 34376		Galaxy E3:
Mar 17 2009 31"	17mmT4	MB,MS,R,SMALL BNUC,BM,AGC,R=F
PGC 34380		Galaxy S?
Mar 17 2009 31"	17mmT4	PF,PS,OVAL,SMALL FNUC,AGC,R=F
PGC 34384		Galaxy
Mar 17 2009 31"	17mmT4	PF,PS,OVAL,SMALL FNUC,AGC,R=F
PGC 34385		Galaxy S?
Mar 17 2009 31"	17mmT4	PF,MS,OVAL,LARGE FNUC,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
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,SMALL FNUC,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,SMALL FNUC,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,LARGE BNUC,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

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PGC 34768		Galaxy SB(s)ab
Feb 23 2006 31"	17mmT4	MB,PS,R,SMALL BNUC,SOMEWHAT HISB MIDDLE,PAIRS=PGC34733/MAC,R=G
PGC 34803		Galaxy
Apr 16 2009 31"	17mmT4	MF,PS,R,SMALL FNUC,AGC 1288,R=F
PGC 34812		Galaxy S0/a
Mar 20 2009 31"	17mmT4	PF,PS,OVAL,LARGE FNUC,AGC,R=F
PGC 34869		Galaxy Sd
Jan 29 2014 36"	17mmT4	PF,MS,EDGE ON,PA~135,NND,VERY THIN SLIVER,TAPPERED ENDS,SHARP,R-F
PGC 34895		Galaxy
Apr 03 2005 31"	17mmT4	PF,PS,PATCH,UB,NND,R=P
PGC 34933		Galaxy SBa
Apr 16 2009 31"	17mmT4	MF,MS,R,LARGE BNUC,SMBM,MOD HISB MIDDLE, AGC 1228,R=F
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 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 ELONG,R=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,VERY SMALL FNUC,PAIR=MAC,R=P
PGC 35325		Galaxy
Apr 07 2008 31"	17mmT4	EF,VS,OVAL,UB,NND,AV FINALLY HOLDS,VERY 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:

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PGC 35609		Galaxy SB0 pec:
Feb 23 2006 31"	17mmT4	PF,MS,ELONG,VERY SMALL FNUC,STELLAR NUC SUSP,EXCELLENT HICKSON GROUP,R=F
PGC 35615		Galaxy SA(s)0/a pec:
Feb 23 2006 31"	17mmT4	MF,PS,OVAL,STELL NUC,EXCELLENT HICKSON GROUP,R=F
PGC 35618		Galaxy (R')S0/a pec:
Feb 23 2006 31"	17mmT4	MF,PS,OVAL,SMALL FNUC,EXCELLENT HICKSON GROUP,R=F
PGC 35620		Galaxy Sa pec sp
Feb 23 2006 31"	17mmT4	MB,PS,ELONG,SMALL BNUC,EXCELLENT HICKSON GROUP,R=F
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,ELONG TO EDGE ON,SMALL VERY FNUC,EXCELLENT HICKSON GROUP,R=F
PGC 35675		Galaxy Sd
Apr 07 2008 31"	17mmT4	PF,PL,EDGE ON,UB,NND,CENTRAL 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,SOMEWHAT HISB,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,SOMEWHAT HISB,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,ELONG.UB,PAIR=PGC35849,AGC1314,R=F
PGC 35849		Galaxy
Apr 19 2014 36"	17mmT4	MF,MS,ELONG,UB,PAIR=PGC35846,AGC1314,R=F

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PGC 35872		Galaxy S
Apr 04 2005 31"	17mmT4	PF,MS,OVAL,UB,NND,CLOSE PAIR=MAC,R=F
PGC 36037		Galaxy E?
Apr 07 2008 31"	17mmT4	MF,MS,R,SMALL BNUC,MOD HISB MIDDLE,R=F
PGC 36137		Galaxy SA(s)d:
Apr 07 2008 31"	17mmT4	DIF,VF,PL,OVAL,PATCH,NND,PATCHY,SEVERAL VF*'S AROUND GALAXY CENTER,R=F
PGC 36305		Galaxy S
Apr 07 2008 31"	17mmT4	VF,MS,OVAL,PATCH,UB,NND,VF* OFF CENTRAL REGION,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,SMALL BNUC,MBM,MOD HISB MIDDLE,PAIR=3846A,R=G
PGC 36585		Galaxy S
Dec 07 2005 31"	17mmT4	PF,PS,OVAL,VERY SMALL BNUC,R=F
PGC 36785		Galaxy
Feb 23 2006 31"	17mmT4	VF,PS,ELONG,LARGE FNUC,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,ELONG,UB,NND,PAIRS=3921/3916,R=F
PGC 37090		Galaxy L
Apr 07 2008 31"	17mmT4	PF,PS,ELONG,VERY SMALL FNUC,R=F
PGC 37164		Galaxy SB(rs)m
Mar 04 2006 31"	17mmT4	DIF,VF,PL,OVAL,PATCH,NND,PATCHY BRT AREA DET,SEVERAL VF*'S IN GAL,R=P
PGC 37168		Galaxy
Mar 04 2006 31"	17mmT4	MF,MS,OVAL,SMALL FNUC,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,ELONG,PATCH,UB,EXTREME AV,HOLDS FOR A BIT,COMES AND GOES,R=P
PGC 37526		Galaxy C
Mar 04 2006 31"	17mmT4	PF,MS,OVAL,LARGE FNUC,* 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 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,INTERACT=MAC,CAN JUST BARELY SEPERATE,R=F
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,VERY CLOSE COMP,CANNOT SEPERATE THE 3,R=P
PGC 38065		Galaxy S0?
Apr 09 2008 31"	17mmT4	VF,PS,VERY SMALL FNUC,LOOKS LIKE PATCH BALL,VERY CLOSE COMP,CANNOT SEPERATE,R=P
PGC 38072		Galaxy S
Apr 09 2008 31"	17mmT4	EF,VS,PATCH,VERY CLOSE COMP,CANNOT SEPERATE 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,VERY SMALL FNUC,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 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,ELONG,SMALL FNUC,CLOSE COMP=PGC38327,SLIGHTLY BM,R=F
PGC 38327		Galaxy SAB0- pec:
Apr 09 2008 31"	17mmT4	PF,MS,ELONG,SMALL FNUC,CLOSE COMP=PGC38325,SLIGHTLY BM,R=F
PGC 38375		Galaxy Sdm:
Feb 25 2004 31"	17mmT4	VDIF,VF,PL,ELONG,PATCH,UB,NND,R=P

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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,VSFNUC,VERY CLOSE COMP=4547,OTHER PAIRS,R=F
PGC 42725		Galaxy S?
Mar 26 2006 31"	17mmT4	PF,PS,ELONG,UB,NND,CLOSE COMP=4644,R=F
PGC 42841		Galaxy S? pec
Mar 26 2006 31"	17mmT4	PF,PS,ELONG,LBNUC,L NUC AREA,SOMEWHAT HISB MIDDLE,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,ELONG,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,TAPPERED ENDS,R=F
PGC 45228		Galaxy SB
Apr 14 2004 31"	17mmT4	MF,PS,OVAL,SMALL FNUC,PAIRS=4973 GROUP,R=F
PGC 45255		Galaxy S?
Apr 14 2004 31"	17mmT4	VF,VS,VERY SMALL FNUC,STELLAR,PAIRS=4973 GROUP,R=P
PGC 45277		Galaxy
Apr 14 2004 31"	17mmT4	EF,VS,PATCH,UB,PAIRS=4973 GROUP,R=P
PGC 45334		Galaxy
Apr 14 2004 31"	17mmT4	VF,MS,OVAL,PATCH,UB,NND,PAIRS=4973 GROUP,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,SMALL FNUC,R=F
PGC 45572		Galaxy S0/a
Apr 14 2004 31"	17mmT4	MF,MS,R,LARGE BNUC,GRADUALLY BM,SHISB MIDDLE,PAIR=PGC45583,R=G

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PGC 45583		Galaxy (R')SBb:
Apr 14 2004 31"	17mmT4	MF,MS,R,LARGE BNUC,GBM,SHISB MIDDLE,PAIR=PGC45572,R=F
PGC 45617		Galaxy
Apr 14 2004 31"	17mmT4	VF,VS,ELONG,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,VERY SMALL FNUC,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,BRT * 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 GAL CENTER,JUST A HINT OF GAL 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,ELONG,UB,NND,CIGAR SHAPE,SOMEWHAT HISB,R=F
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,VERY SNUC,COMP=PGC48231/PGC48226,HICKSON 66,R=P
PGC 48231		Galaxy S
Apr 06 2008 31"	17mmT4	PF,VS,R,VERY SNUC,COMP=PGC48226,HICKSON 66,R=P

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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,ALMOST STELLAR,VERY BNUC OR BRT * IN CENTER,SN?,PAIRS=5278,5279,PGC,R=F
PGC 48570		Galaxy C
Apr 03 2005 31"	17mmT4	VF,VS,*NUC OR * IN GAL,PAIRS=MAC'S,R=P
PGC 49448		Galaxy IB(s)m sp
May 16 2004 31"	17mmT4	VDIF,EF,VL,PATCH,LARGE 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 GAL 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 APPROX SAME MAG,LOC IN BARREN * FIELD
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981