

## Coma Berenices - Berenice's Hair

<b>IC 755</b>		<b>Galaxy</b>
Apr 19 2014 36"	17mmT4	MF,MS,EDGE ON,UB,NND,PA~140,SLIGHTLY THICKER IN MIDDLE,R=F
<b>IC 803</b>		<b>Galaxy S</b>
Mar 17 2009 31"	17mmT4	VF,VS,OVAL,PATCH,NND,CAN BARELY SEPERATE WITH MAC1239+1635C,OTHERS,R=F
<b>IC 834</b>		<b>Galaxy S</b>
May 18 2009 31"	17mmT4	MB,MS,OVAL,LARGE BNUC,AGC 1656,R=F
<b>IC 835</b>		<b>Galaxy S?</b>
May 18 2009 31"	17mmT4	MB,ML,PATCH,UB,NND,MOD HISB,AGC 1656,R=G
<b>IC 3292</b>		<b>Galaxy L</b>
Mar 08 2010 31"	17mmT4	PF,PS,OVAL,LARGE FNUC,R=F
<b>IC 3900</b>		<b>Galaxy SB0:</b>
May 18 2009 31"	17mmT4	MB,MS,R,LARGE BNUC,AGC 1656,R=G
<b>IC 3913</b>		<b>Galaxy S?</b>
May 18 2009 31"	17mmT4	DIF,PF,MS,OVAL,PATCH,UB,NND,AGC 1656,R=F
<b>IC 3955</b>		<b>Galaxy SA0</b>
May 14 2009 31"	17mmT4	MF,MS,SMALL BNUC,AGC 1656,R=F
<b>IC 3973</b>		<b>Galaxy SB0</b>
May 14 2009 31"	17mmT4	MB,PS,OVAL,SMALL BNUC,AGC 1656,R=F
<b>IC 3976</b>		<b>Galaxy E6</b>
May 14 2009 31"	17mmT4	PF,PS,OVAL,SMALL BNUC,AGC 1656,R=F
<b>IC 3998</b>		<b>Galaxy SB0</b>
May 14 2009 31"	17mmT4	MF,MS,OVAL,LARGE BNUC,AGC 1656,R=F
<b>IC 4011</b>		<b>Galaxy E</b>
May 14 2009 31"	17mmT4	PF,PS,SMALL FNUC,AGC 1656,R=F
<b>MAC 1204+2009</b>		<b>Galaxy</b>
Mar 08 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,TOOK AV A WHILE TO HOLD,PAIRS=NGC'S/PGC,R=P
<b>MAC 1204+2013</b>		<b>Galaxy</b>
Mar 08 2010 31"	17mmT4	PF,PS,OVAL,UB,NND,PAIR=4076,R=F
<b>MAC 1204+2023A</b>		<b>Galaxy</b>
Mar 08 2010 31"	17mmT4	VF,VS,PATCH,NND,AV TOOK A WHILE THEN HOLDS,PAIRS=NGC'S,R=P
<b>MAC 1212+2908</b>		<b>Galaxy</b>
Mar 17 2009 31"	17mmT4	EF,ES,SUSP,OFF TIP OF NGC4174,CLOSE COMP=MAC,R=P

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<b>MAC 1213+1607</b>		<b>Galaxy</b>
Mar 17 2009 31"	17mmT4	VF,MS,OVAL,*NUC,BRT REGION OR VERY SMALL NUC,MORE OVAL THAN PGC39014,R=F
<b>MAC 1213+1609</b>		<b>Galaxy</b>
Mar 17 2009 31"	17mmT4	EF,VS,PATCH,NND,AV HOLDS,R=P
<b>MAC 1218+1422</b>		<b>Galaxy</b>
Mar 08 2010 31"	17mmT4	EF,VS,PATCH,COMES AND GOES WITH AV,PAIR=4254,R=P
<b>MAC 1239+1635B</b>		<b>Galaxy</b>
Mar 17 2009 31"	17mmT4	EF,ES,SUSP ONLY,AREA OF EF NEB BETWEEN IC803 AND MAC1239+1635C,R=P
<b>MAC 1239+1635C</b>		<b>Galaxy</b>
Mar 17 2009 31"	17mmT4	VF,VS,SMALL BNUC,CAN BARELY SEPERATE WITH IC803,OTHERS,R=F
<b>MAC 1239+1635D</b>		<b>Galaxy</b>
Mar 17 2009 31"	17mmT4	EF,ES,SUSP ONLY,R=P
<b>MAC 1250+2718</b>		<b>Galaxy</b>
May 14 2009 31"	17mmT4	EF,VS,PATCH,AV ONLY A FEW TIMES,R=P
<b>MAC 1250+2722</b>		<b>Galaxy</b>
May 14 2009 31"	17mmT4	VF,PS,PATCH,CLOSE TO F*,R=P
<b>MAC 1250+2729</b>		<b>Galaxy</b>
May 14 2009 31"	17mmT4	VF,VS,PATCH,R=P
<b>MAC 1251+2724B</b>		<b>Galaxy</b>
May 14 2009 31"	17mmT4	VF,VS,PATCH,AV FIRST,COMES AND GOES,R=P
<b>MAC 1251+2732</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	EF,VS,PATCH,AV ONCE,VERY CLOSE TO B*,AGC1656,R=P
<b>MAC 1251+2758</b>		<b>Galaxy</b>
May 14 2009 31"	17mmT4	EF,ES,PATCH,AV COMES AND GOES,AGC 1656,R=P
<b>MAC 1252+2705</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	VF,PS,PATCH,UB,NND,AGC1656,R=P
<b>MAC 1252+2709</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	EF,VS,PATCH,NND,AV COMES AND GOES,AGC1656,R=P
<b>MAC 1252+2824</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	VF,PS,PATCH,UB,NNDAGC1656,R=P
<b>MAC 1253+2657</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	VF,VS,ELONG,UB,NND,AGC1656,R=F

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<b>MAC 1253+2702</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	VF,VS,PATCH,NND,AGC1656,R=P
<b>MAC 1253+2747</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	MB,MS,ELONG,LARGE FNUC,A BRIGHT MAC,AGC1656,R=F
<b>MAC 1253+2812</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	VF,PS,PATCH,NND,AGC1656,R=P
<b>MAC 1253+2856</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	EF,VS,PATCH,AV ONLY ONCE OR TWICE,AGC1656,R=P
<b>MAC 1254+2737</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	MF,MS,ELONG,UB,NND,NICE MAC,AGC1656,R=F
<b>MAC 1254+2804</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	VF,PS,PATCH,NND,AGC1656,R=P
<b>MAC 1254+2805A</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	PF,PS,SMALL BNUC,AGC1656,R=F
<b>MAC 1254+2805B</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	VF,PS,PATCH,NND,AGC1656,R=P
<b>MAC 1254+2818</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	PF,PS,OVAL,UB,NND,KEEP B* OUT OF FOV,AGC1656,R=P
<b>MAC 1254+2855</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	EF,VS,PATCH,SUSP,COMP=4793,AGC1656,R=P
<b>MAC 1255+2732</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	PF,PS,PATCH,NND,AGC1656,R=P
<b>MAC 1255+2736</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	VF,PS,PATCH,NND,AV TOOK A WHILE,HOLDS,AGC1656,R=P
<b>MAC 1255+2736A</b>		<b>Galaxy</b>
May 18 2009 31"	17mmT4	VF,PS,PATCH,NND,AV FIRST THEN HOLDS,AGC 1656,R=P
<b>MAC 1255+2742</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	EF,PS,PATCH,NND,AV TOOK A WHILE,AGC1656,R=P
<b>MAC 1255+2746</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	EF,VS,PATCH,AV TOOK A WHILE,AGC1656,R=P
<b>MAC 1255+2747</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	VF,PS,PATCH,NND,CLOSE TO B*,AGC1656,R=P

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<b>MAC 1255+2748</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	EF,VS,PATCH,KEEP * OUT OF FOV,AV COMES AND GOES,AGC1656,R=P
<b>MAC 1255+2751</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	PF,PS,PATCH,UB,NND,AGC1656,R=P
May 17 2009 31"	17mmT4	VF,PS,UB,NND,KEEP * OUT OF FOV,AGC1656,R=P
<b>MAC 1255+2754A</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	PF,PS,OVAL,LARGE FNUC,AGC1656,R=F
<b>MAC 1255+2754B</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	VF,PS,PATCH,UB,NND,AGC1656,R=P
<b>MAC 1255+2756</b>		<b>Galaxy</b>
May 18 2009 31"	17mmT4	VF,PS,PATCH,NND,AGC 1656,R=P
May 17 2009 31"	17mmT4	VF,PS,OVAL,UB,NND,VERY F* OFF SIDE,AGC1656,R=P
<b>MAC 1255+2815</b>		<b>Galaxy</b>
May 18 2009 31"	17mmT4	PF,PS,PATCH,UB,NND,AGC 1656,R=P
<b>MAC 1255+2824</b>		<b>Galaxy</b>
May 18 2009 31"	17mmT4	EF,VS,PATCH,AV COMES AND GOES,AGC 1656,R=P
<b>MAC 1255+2900</b>		<b>Galaxy</b>
May 18 2009 31"	17mmT4	PF,PS,PATCH,NND,AV FIRST THEN HOLDS,AGC 1656,R=P
<b>MAC 1256+2624</b>		<b>Galaxy</b>
May 19 2009 31"	17mmT4	VF,PS,PACH,UB,NND,AGC 1656,R=P
<b>MAC 1256+2625</b>		<b>Galaxy</b>
May 19 2009 31"	17mmT4	EF,VS,PATCH,AV COMES AND GOES,AGC 1656,R=P
<b>MAC 1256+2627</b>		<b>Galaxy</b>
May 18 2009 31"	17mmT4	EF,VS,PATCH,AV ONLY A FEW TIMES,AGC 1656,R=P
<b>MAC 1256+2703</b>		<b>Galaxy</b>
May 19 2009 31"	17mmT4	PF,PS,OVAL,SMALL FNUC,AGC 1656,R=F
<b>MAC 1256+2713</b>		<b>Galaxy</b>
May 19 2009 31"	17mmT4	PF,PS,PATCH,UB,NND,AGC 1656,R=P
<b>MAC 1256+2717</b>		<b>Galaxy</b>
May 19 2009 31"	12mmT4	EF,VS,PATCH,TOOK A WHILE WITH AV,COMES AND GOES,AGC 1656,R=P
<b>MAC 1256+2725</b>		<b>Galaxy</b>
May 18 2009 31"	17mmT4	MF,MS,LARGE FNUC,AGC 1656,R=F

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<b>MAC 1256+2726</b>		<b>Galaxy</b>
May 18 2009 31"	17mmT4	PF,PS,NND,AGC 1656,R=F
<b>MAC 1256+2730</b>		<b>Galaxy</b>
May 18 2009 31"	17mmT4	VF,PS,PATCH,NND,AV TOOK A WHILE,AGC 1656,R=P
<b>MAC 1256+2732</b>		<b>Galaxy</b>
May 18 2009 31"	17mmT4	EF,VS,PATCH,AV COMES AND GOES THEN HOLDS,AGC 1656,R=P
<b>MAC 1256+2738</b>		<b>Galaxy</b>
May 18 2009 31"	17mmT4	MF,MS,R,SMALL FNUC,VF* OFF SIDE,AGC 1656,R=F
<b>MAC 1256+2741</b>		<b>Galaxy</b>
May 18 2009 31"	17mmT4	VF,PS,PATCH,AGC 1656,R=P
<b>MAC 1256+2742</b>		<b>Galaxy</b>
May 18 2009 31"	17mmT4	EF,PS,PATCH,AV COMES AND GOES,AGC 1656,R=P
<b>MAC 1256+2743</b>		<b>Galaxy</b>
May 18 2009 31"	17mmT4	PF,PS,PATCH,SMALL FNUC,AGC 1656,R=P
<b>MAC 1256+2749</b>		<b>Galaxy</b>
May 18 2009 31"	17mmT4	MF,MS,OVAL,SMALL FNUC,AGC 1656,R=F
<b>MAC 1256+2750</b>		<b>Galaxy</b>
May 18 2009 31"	17mmT4	MF,MS,OVAL,SMALL FNUC,AGC 1656,R=F
May 17 2009 31"	17mmT4	PF,PS,PATCH,UB,NND,AGC1656,R=F
<b>MAC 1256+2755</b>		<b>Galaxy</b>
May 19 2009 31"	17mmT4	PF,PS,R,SMALL BNUC,AGC 1656,R=F
<b>MAC 1256+2757</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	VF,PS,PATCH,UB,NND,AGC1656,R=P
<b>MAC 1256+2802</b>		<b>Galaxy</b>
May 18 2009 31"	17mmT4	VF,PS,PATCH,AV COMES AND GOES THEN HOLDS,LOC IN BARRON FOV,AGC 1656,R=P
<b>MAC 1256+2803</b>		<b>Galaxy</b>
May 19 2009 31"	17mmT4	VF,PS,PATCH,NND,AGC 1656,R=P
<b>MAC 1256+2804</b>		<b>Galaxy</b>
May 19 2009 31"	17mmT4	PF,PS,PATCH,NND,AGC 1656,R=P
<b>MAC 1256+2806</b>		<b>Galaxy</b>
May 19 2009 31"	17mmT4	EF,VS,PATCH,TOOK A WHILE WITH AV,COMES AND GOES,AGC 1656,R=P
<b>MAC 1256+2809</b>		<b>Galaxy</b>

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**MAC 1256+2809** **Galaxy**  
 May 19 2009 31" 17mmT4 PF,VS,PATCH,NND,AGC 1656,R=P

**MAC 1256+2818** **Galaxy**  
 May 18 2009 31" 17mmT4 PF,PS,PATCH,NND,AGC 1656,R=P

**MAC 1256+2837** **Galaxy**  
 May 19 2009 31" 17mmT4 PF,PS,OVAL,FNUC,AGC 1656,R=F

**MAC 1256+2838** **Galaxy**  
 May 19 2009 31" 17mmT4 EF,VS,PATCH,COMES AND GOES WITH AV,AGC 1656,R=P

**MAC 1256+2857** **Galaxy**  
 May 19 2009 31" 17mmT4 VF,PS,PATCH,NND,AV,AGC 1656,R=P

**MAC 1256+2917** **Galaxy**  
 May 19 2009 31" 17mmT4 PF,PS,PATCH,UB,NND,AGC 1656,R=F

**MAC 1257+2722A** **Galaxy**  
 May 19 2009 31" 17mmT4 VF,PS,OVAL,NND,AGC 1656,R=P

**MAC 1257+2724A** **Galaxy**  
 May 19 2009 31" 17mmT4 VF,PS,OVAL,SMALL FNUC,AGC 1656,R=P

**MAC 1257+2731** **Galaxy**  
 May 19 2009 31" 17mmT4 EF,PS,PATCH,TOOK A WHILE FOR AV,COMES AND GOES,BARRON AREA,AGC 1656,R=P

**MAC 1257+2733** **Galaxy**  
 May 19 2009 31" 17mmT4 EF,ES,PATCH,SUSP,AGC 1656,R=P

**MAC 1257+2858** **Galaxy**  
 May 19 2009 31" 17mmT4 PF,PS,PATCH,UB,VERY SMALL FNUC,AGC 1656,R=P

**MAC 1259+2751B** **Galaxy**  
 May 14 2009 31" 17mmT4 EF,VS,PATCH,AV FEW TIMES THEN COMES AND GOES,AGC 1656,R=P

**MAC 1259+2751D** **Galaxy**  
 May 14 2009 31" 17mmT4 VF,VS,PATCH,SMALL FNUC,AGC 1656,R=F

**MAC 1259+2758B** **Galaxy**  
 May 14 2009 31" 17mmT4 EF,VS,PATCH,AV ONLY ONCE,AGC 1656,R=P

**MAC 1301+2736B** **Galaxy**  
 Apr 07 2008 31" 17mmT4 VF,VS,PATCH,UB,NND,PAIRS=4926/4926A/MAC,R=P

**MAC 1302+2739** **Galaxy**  
 Apr 07 2008 31" 17mmT4 EF,VS,PATCH,UB,NND,AV HOLDS,PAIRS=4926/4926A/MAC,R=P

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<b>MAC 1303+2810C</b>		<b>Galaxy</b>	
Apr 07 2008 31"	17mmT4	EF,ES,*NUC,ALMOST STELLAR,PAIRS=4944/MAC'S/PGC45162,R=P	
<b>MAC 1303+2811</b>		<b>Galaxy</b>	
Apr 07 2008 31"	17mmT4	DIF,VF,VS,PATCH,UB,NND,PAIRS=4944/PGC/MAC'S,R=P	
<b>MAC 1304+2811</b>		<b>Galaxy</b>	
Apr 07 2008 31"	17mmT4	VF,VS,OVAL,VERY SMALL FNUC,PAIRS=4944/PGC45162/MAC'S,R=P	
<b>MAC 1314+2604</b>		<b>Galaxy</b>	
Mar 17 2010 31"	17mmT4	VF,VS,PATCH,AV FIRST THEN HOLDS,PAIRS=MAC'S,R=P	
<b>MAC 1314+2605</b>		<b>Galaxy</b>	
Mar 17 2010 31"	17mmT4	VF,VS,AV FIFRST THEN HOLDS,DIRECT AFTER A WHILE,PAIRS=MAC'S/PGC'S,R=P	
Mar 20 2009 31"	17mmT4	VF,VS,PATCH,TOOK AV A WHILE TO FIND,PAIRS=PGC'S,R=P	
<b>MAC 1314+2606</b>		<b>Galaxy</b>	
Mar 17 2010 31"	17mmT4	EF,VS,PATCH,AV FIRST THEN HOLDS,PAIRS=MAC'S,R=P	
<b>MAC 1314+2606A</b>		<b>Galaxy</b>	
Mar 17 2010 31"	17mmT4	VF,VS,PATCH,NND,VF* OFF EDGE,PAIRS=MAC'S,R=P	
<b>MAC 1314+2606B</b>		<b>Galaxy</b>	
Mar 17 2010 31"	17mmT4	VF,VS,PATCH,AV FIRST THEN HOLDS,PAIRS=MAC'S,R=P	
<b>NGC 4015</b>		<b>H323-3 Galaxy Double System</b>	<b>F,VS,E,MBM</b>
Mar 17 2009 31"	17mmT4	VB,VL,R,LARGE BNUC,INTER=PGC37702,SMBM,MOD HISB MIDDLE,R=G	
Dec 28 2008 31"	17mmT4	MB,MS,R,LARGE BNUC,MOD HISB MIDDLE,BM,R=G	
<b>NGC 4016</b>		<b>Galaxy SBdm:</b>	<b>VF</b>
Dec 28 2008 31"	17mmT4	MB,ML,OVAL,PATCH,UB,NND,MOD HISB,PAIR=4017,R=G	
<b>NGC 4017</b>		<b>H369-2 Galaxy SABbc</b>	<b>F,L,E,GBFM</b>
Dec 28 2008 31"	17mmT4	PB,PL,ELONG,OVAL,UB,NND,PATCHY,PAIR=4016,R=G	
<b>NGC 4032</b>		<b>H404-2 Galaxy Im:</b>	<b>PF,PL,R,GBM,*12NF</b>
Feb 27 1982 12.5"	16mm	VDIF,MF,MS,OVAL-PATCHY,SBM,F*W OF GAL	
<b>NGC 4042</b>		<b>Galaxy</b>	<b>VF,VS</b>
Aug 25 1982 12.5"	16mm	VDIF,MF,MS,FNUC,2F*S E,1*N A ND W,OVAL,R,SBM	
<b>NGC 4056</b>		<b>Galaxy</b>	<b>EF,VS</b>
Mar 08 2010 31"	17mmT4	VF,VS,PATCH,NND,AV FIRST THEN HOLDS,PAIRS=NGC'S/MAC,R=P	
<b>NGC 4060</b>		<b>Galaxy S0</b>	<b>EF</b>
Mar 08 2010 31"	17mmT4	PF,PSOVAL,LARGE FNUC,PARIS=NGC'S/MAC,R=F	

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<b>NGC 4061</b>		<b>Galaxy E</b>	<b>VF,S,R,P OF DNEB</b>
Mar 08 2010 31"	17mmT4	MB,ML,OVAL,R,SMALL BNUC,GMBM,HISB MIDDLE,PAIRS=NGC'S/PGC/MAC,R=G	
<b>NGC 4064</b>		<b>Galaxy SB(s)a: pec</b>	<b>B,E,GBM</b>
Feb 27 1982 12.5"	16mm	MF,MS,ELONG,F*S,F* FARTHER N,MOD HISB,EQ REGION SUSP	
<b>NGC 4065</b>		<b>H395-3 Galaxy E</b>	<b>PF,R,F OF DNEB</b>
Mar 08 2010 31"	17mmT4	MB,ML,OVAL,R,SMALL BNUC,GMBM,HISB MIDDLE,PAIRS=NGC'S/PGC/MAC,R=G	
<b>NGC 4066</b>		<b>Galaxy E</b>	<b>PB</b>
Mar 08 2010 31"	17mmT4	PB,ML,OVAL,SMALL BNUC,GMBM,HISB MIDDLE,PAIRS=NGC'S/MAC,R=G	
<b>NGC 4069</b>		<b>H392-3 Galaxy</b>	<b>VF,VS</b>
Mar 08 2010 31"	17mmT4	VF,VS,OVAL,VF* IN GAL,PAIRS=NGC'S,MAC,R=P	
<b>NGC 4070</b>		<b>Galaxy E</b>	<b>F,VS</b>
Mar 08 2010 31"	17mmT4	PB,ML,OVAL,SMALL BNUC,GMBM MIDDLE,PAIRS=NGC'S/MAC,R=G	
<b>NGC 4072</b>		<b>Galaxy S0</b>	<b>EF,SF4061,2,5</b>
Mar 08 2010 31"	17mmT4	PF,MS,ELONG,VERY SMALL FNUC,PAIRS=NGC'S/PGC/MAC,R=F	
<b>NGC 4074</b>		<b>H393-3 Galaxy S0: pec</b>	<b>EF,VS</b>
Mar 08 2010 31"	17mmT4	MB,MS,R,SMALL BNUC,PAIRS=NGC'S/MAC,R=F	
<b>NGC 4076</b>		<b>H396-3 Galaxy S?</b>	<b>VF,VS</b>
Mar 08 2010 31"	17mmT4	MB,ML,OVAL,LARGE FNUC,SOMEWHAT BM,SLIGHTLY HISB MIDDLE,PAIR=MAC,R=F	
<b>NGC 4136</b>		<b>H321-2 Galaxy SAB(r)c</b>	<b>F,VL,VGMBM</b>
Feb 27 1982 12.5"	16mm	DIF,MF,PL,PATCHY,FACE ON,ARMS SUSP,UB,OVAL	
Jan 26 1982 12.5"	16mm	MB,ML,FNUC,CLOSE TO B*,STELL NUC,HISB,OVAL	
<b>NGC 4147</b>		<b>H19-1 Globular</b>	<b>GCL,VB,PL,R,GBM,RRR</b>
Mar 08 2010 31"	17mmT4	PB,ML,TYPE APPROX VI,RESOLVED TO CORE,SBNUC,MOD HISB MIDDLE,F HALO OF *S RESOLVED,R=G	
Feb 12 1983 12.5"	12mm	MB,PL,RESOLVED TO CORE,OUTER *S CLOSELY GROUPED,BM	
Jun 10 1980 6"	24mm	VF,LOOKS LIKE FAINT GAL	
<b>NGC 4150</b>		<b>H73-1 Galaxy SA(r)0^?</b>	<b>B,S,R,PGMBM</b>
Feb 27 1982 12.5"	16mm	MF,MS,BNUC,GMBM,R	
<b>NGC 4152</b>		<b>H83-2 Galaxy SAB(rs)c</b>	<b>PB,PL,R,PGMBM,R</b>
Feb 27 1982 12.5"	16mm	VDIF,VF,VS,PATCHY,OVAL,SBM	
<b>NGC 4155</b>		<b>Galaxy E</b>	<b>EF,VS</b>
Feb 27 1982 12.5"	16mm	EDIF,EF,ES,SMALL PATCH,STELL NUC SUSP	
<b>NGC 4158</b>		<b>H405-2 Galaxy SA(r)b:</b>	<b>F,PS,LE,BM,PB*SF</b>



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<b>NGC 4158</b>		<b>H405-2</b>	<b>Galaxy SA(r)b:</b>	<b>F,PS,LE,BM,PB*SF</b>
Feb 27 1982 12.5"	16mm		MF,PS,BNUC,HISB,GMBM,*W 1 GAL DIA	
<b>NGC 4162</b>		<b>H353-2</b>	<b>Galaxy (R)SA(rs)bc</b>	<b>B,L,IE,BM</b>
Feb 27 1982 12.5"	16mm		DIF,MF,PS,B*S,F*N,MOD HISB,NNS,R	
<b>NGC 4166</b>			<b>Galaxy SB0</b>	<b>VF,S</b>
Feb 27 1982 12.5"	16mm		MF,PS,FNUC,R,F*N,SBM	
<b>NGC 4169</b>		<b>H358-3</b>	<b>Galaxy S0</b>	<b>F,S,1ST OF 4</b>
May 30 2014 36"	17mmT4		PB,ML,OVAL,LBNUC,GMBM,GRANULAR CORE,PAIRS=4171,4175,4174,R=GE	
Mar 17 2009 31"	17mmT4		VB,VL,OVAL,LARGE BNUC,HISB MIDDLE,OTHERS PRESENT,EXCELLENT GROUP,R=E	
Feb 27 1982 12.5"	16mm		PF,VS,BNUC,F*S 1 GAL DIA,SBM,R,CLOSE PAIR/4170/4175 IN TRI SHAPE	
<b>NGC 4171</b>			<b>Galaxy SBd:</b>	<b>F,S,2ND OF 4</b>
May 30 2014 36"	17mmT4		MF,VL,EDGE ON,UB,NND,PA~130,LONG THIN WHISP,BROKEN,CHUNKY,PAIRS=4175,4174,4169,R=G	
Mar 17 2009 31"	17mmT4		MF,VL,EDGE ON,UB,NND,SLIGHT TAPPERING AT ENDS,OTHERS,EXCELLENT GROUP,R=G	
Feb 27 1982 12.5"	16mm		EDIF,VF,VS,ELONG,PAIR/4175/4169,NND,UB,COMP FORM TRI	
<b>NGC 4174</b>		<b>H359-3</b>	<b>Galaxy S?</b>	<b>F,S,3RD OF 4</b>
May 30 2014 36"	17mmT4		PB,PL,OVAL,SBNUC,PAIRS=4171,4175,4169,R=G	
Mar 17 2009 31"	17mmT4		PB,PL,ELONG,BNUC,TIGHT NUC REGION,OTHERS PRESENT,EXCELLENT GROUP,R=G	
<b>NGC 4175</b>		<b>H360-3</b>	<b>Galaxy S</b>	<b>F,ES,4TH OF 4</b>
May 30 2014 36"	17mmT4		MB,PL,EDGE ON,SFNUC,SOMEWHAT SLIGHT CENTRAL BULGE,PAIRS=4171,4174,4169,R=G	
Mar 17 2009 31"	17mmT4		MB,ML,EDGE ON,LARGE FNUC,CENTRAL BULGE,OTHERS,EXCELLENT GROUP,R=G	
Feb 27 1982 12.5"	16mm		VF,VS,ELONG,FNUC,F*S,UB,SBM,COMP FORM TRI	
<b>NGC 4185</b>		<b>H373-2</b>	<b>Galaxy Sbc</b>	<b>CF,L,R,GBM</b>
Feb 27 1982 12.5"	16mm		VDIF,VF,ML,F*SW EDGE,NND,UB,R,FACE ON	
<b>NGC 4186</b>			<b>Galaxy SA(s)ab:</b>	<b>PF,S,R,SP M98</b>
Apr 11 2015 36"	17mmT4		MB,MS,OVAL,VS*NUC,STELLAR LIKE NUC,R=FG	
Mar 08 2010 31"	17mmT4		MF,MS,OVAL,LARGE VERY FNUC,R=F	
<b>NGC 4189</b>		<b>H106-2</b>	<b>Galaxy SAB(rs)cd?</b>	<b>F,L,LE,VGLBM,R</b>
Apr 25 1981 12.5"	24mm		PB,PS,DNUC,2F*S TO W	
<b>NGC 4192</b>	<b>M98</b>		<b>Galaxy SAB(s)ab</b>	<b>B,VL,VME152,VSVMBM</b>
Apr 11 2015 36"	17mmT4		VF,VL,ELONG,SBNUC,MHISB,WELL PLACED,DUST AREAS SUSP,BROKEN ARMS,R=E	
Mar 08 2010 31"	17mmT4		VB,VL,ELONG EDGE ON,SMALL BNUC,EDGE TO EDGE IN FOV,SMALL B TIGHT CORE,SUDDENLY MBM,PATCHY AREAS IN ARMS,R=E	
Mar 19 2004 12.5"	12mmT4		MESSIER MARATHON 2004	
Mar 02 1984 10"	20mm		SAME	
Feb 27 1982 12.5"	16mm		MB,PL,EDGE ON,BNUC,F*N OF NUC,CENTRAL BULGE,TAPPERED ENDS,BRT H2 REGIONS IN EQ	
Mar 27 1981 12.5"	24mm		MESSIER MARATHON 1981	
Jun 10 1980 6"	24mm			

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<b>NGC 4196</b> Feb 27 1982 12.5" 16mm	<b>H374-2</b> EDIF,VF,ML,F*W SIDE,OVAL,NND	<b>Galaxy S0?</b>	<b>PB,S,R,VSMBM*</b>
<b>NGC 4203</b> Feb 27 1982 12.5" 16mm	<b>H175-1</b> MB,PS,BNUC,R,GBM	<b>Galaxy SAB0-:</b>	<b>VB,S,R,PSMBM</b>
<b>NGC 4211</b> Apr 07 2008 31" 17mmT4	MF,MS,OVAL,LARGE FNUC,CLOSE COMP=4211A,R=F	<b>Galaxy S0/a pec</b>	<b>VF,ES,MBM</b>
<b>NGC 4211A</b> Apr 07 2008 31" 17mmT4	PF,PS,ELONG,UB,NND,CLOSE COMP=4211,R=F	<b>Galaxy S0/a pec</b>	
<b>NGC 4212</b> Feb 27 1982 12.5" 16mm	<b>H108-2</b> DIF,MF,PL,B*S,PATCH-OVAL,NND,UB	<b>Galaxy SAc:</b>	<b>B,L,E107,G,SBM,R</b>
<b>NGC 4213</b> Feb 27 1982 12.5" 16mm	<b>H354-2</b> VDIF,VF,ES,FNUC,STELL NUC,B* IN FIELD	<b>Galaxy E</b>	<b>CF,VS,R</b>
<b>NGC 4222</b> Mar 08 2010 31" 17mmT4	<b>H109-2</b> MF,ML,EDGE ON,UB,NND,TAPPERED ENDS,R=FG	<b>Galaxy Sd: sp</b>	<b>VF,PS,R</b>
<b>NGC 4237</b> Mar 22 2004 12.5" 12mmT4	<b>H11-2</b> MF,PL,OVAL,LARGE FNUC,SHISB,LOC IN BARRON FOV,R=G	<b>Galaxy SAB(rs)bc</b>	<b>PB,PL,LE,VGBM,R</b>
<b>NGC 4239</b> Feb 27 1982 12.5" 16mm	DIF,MF,PS,FNUC,BETWEEN B*S,SBM	<b>Galaxy E</b>	<b>F,PL,R</b>
<b>NGC 4245</b> Feb 27 1982 12.5" 16mm	<b>H74-1</b> MB,ML,BNUC,R,SMALL NUC	<b>Galaxy SB(r)0/a:</b>	<b>CB,PL,VLE,SMBM,R</b>
<b>NGC 4251</b> Feb 27 1982 12.5" 16mm	<b>H89-1</b> ELONG,BNUC,GMBM	<b>Galaxy SB0? sp</b>	<b>VB,S,E,VSVMBMN,*F90S</b>
<b>NGC 4254</b> Apr 11 2015 36" 17mmT4 Mar 08 2010 31" 17mmT4 Mar 19 2004 12.5" 12mmT4 Mar 02 1984 10" 20mm Mar 27 1981 12.5" 24mm Jun 10 1980 6" 24mm	<b>M99</b> VB,VL,R,HALO WIHT SPR ARMS,FOST MOD LNUC,BAR LIKE NUC,NUC ELONG IN SHAPE,2 ARMS EASILY DET,R=E PB,PL,SBNUC,FACE ON,GRADUALLY BM,SPIRAL ARMS,SPIRAL STRUCTURE,PATCHY AREAS IN ARMS,PAIR=MAC,R=E MESSIER MARATHON 2004 MB,ML,ELONG,PATCHY,SBM,MOD HISB MESSIER MARATHON 1981	<b>Galaxy SA(s)c</b>	<b>B,L,R,GBM,R,3BRSPIRA</b>
<b>NGC 4274</b> Feb 12 1983 12.5" 24mm Feb 27 1982 12.5" 16mm	<b>H75-1</b> MB,PL,ELONG,BNUC,TAPPERED ENDS,PAIR/4278/4283 MB,VL,ELONG,BNUC,FAINT HALO,SMALL NUC,DIF HALO AROUND NUC	<b>Galaxy (R)SB(r)ab</b>	<b>VB,VL,E90,MBMN</b>
<b>NGC 4278</b>	<b>H90-1</b>	<b>Galaxy E1-2</b>	<b>VB,PL,R,MBM,R,1STOF3</b>

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<b>NGC 4278</b> Feb 12 1983 12.5" 16mm	<b>H90-1</b> MB,ML,BNUC,R,VMBM,COMP TO E = 4283	<b>Galaxy E1-2</b>	<b>VB,PL,R,MBM,R,1STOF3</b>
<b>NGC 4283</b> Feb 12 1983 12.5" 16mm	<b>H323-2</b> VDIF,VF,VS,R,NND,UB,COMP TO W = 4278	<b>Galaxy E0</b>	<b>B,S,R,BM,2ND OF 3</b>
<b>NGC 4293</b> Mar 08 2010 31" 17mmT4 Feb 12 1983 12.5" 16mm Jun 10 1980 6" 24mm	<b>H5-5</b> MB,PL,ELOIG,EDGE ON,LARGE FNUC,SOME GRANULAR AREAS DET,R=G DIF,PF,ML,F*E TIP,NND,KNTS SUSP,UB,SEVERAL *S OFF ONE SIDE	<b>Galaxy (R)SB(s)0/a</b>	<b>F,VL,E,LBM,R</b>
<b>NGC 4298</b> Apr 26 2003 12.5" 9mmT6	<b>H111-2</b> VB,VL,R,UB,NND,MOD HISB,BRT * ON EDGE,PAIR=4302,R=E	<b>Galaxy SA(rs)c</b>	<b>F,L,E,VGBM,P OF 2</b>
<b>NGC 4302</b> Apr 26 2003 12.5" 9mmT6	<b>H112-2</b> PB,PL,EDGE ON,PATCH,UB,NND,SOMEWHAT HISB,PAIR=4298,R=E	<b>Galaxy Sc</b>	<b>L,VME177,F OF 2</b>
<b>NGC 4310</b> Apr 26 2003 12.5" 9mmT6	<b>H378-2</b> MB,ML,OVAL,PATCH,UB,SOMEWHAT HISB,R=G	<b>Galaxy SB0</b>	<b>F,CL,LE,N OF 2</b>
<b>NGC 4312</b> Apr 26 2003 12.5" 9mmT6	<b>H628-2</b> MB,PL,EDGE ON,UB,SOMEWHAT HISB,CENTRAL PART OF GAL HISB,TIPS FAINTER,R=G	<b>Galaxy SA(rs)ab: sp</b>	<b>PB,CL,E,GBM</b>
<b>NGC 4314</b> Feb 12 1983 12.5" 24mm	<b>H76-1</b> PB,ML,EDGE ON,BNUC,F*N TIP,BM,TAPPED	<b>Galaxy SB(rs)a</b>	<b>CB,L,E150,SBM,*NP</b>
<b>NGC 4321</b> Apr 11 2015 36" 17mmT4 Mar 08 2010 31" 17mmT4 Mar 19 2004 12.5" 12mmT4 Mar 02 1984 10" 20mm Mar 27 1981 12.5" 24mm Jun 10 1980 6" 24mm	<b>M100</b> EB,EL,R,MOD HISB NUC,NUC LOOKS LIKE BRT BLUEISH PL WELL DEF,F ARMS EASILY DET,SEVERAL *S IN ARMS,FT HALO AROUND NUC,FACE ON,R=E VG,VL,OVAL,SPR STR,DUST,PATCHY H2 REGIONS,FACE ON,VERY R NUC,UB NUC,MOD HISB NUC,NUC WELL DEFINED,MANY F*S IN ARMS,PAIR=4323,R=E MESSIER MARATHON 2004 MB,VL,BNUC,FACE ON,R-OVAL,SMALL BRT NUC,F*NW OUTER EDGE MESSIER MARATHON 1981	<b>Galaxy SAB(s)bc</b>	<b>PF,VL,R,VG,PSBMRN</b>
<b>NGC 4323</b> Mar 08 2010 31" 17mmT4	<b>H323-2</b> DIF,VF,PS,PATCH,UB,NND,PAIR=4321,R=P	<b>Galaxy SB(r)0^:</b>	<b>2VF,N OF M100</b>
<b>NGC 4328</b> Mar 08 2010 31" 17mmT4	<b>H84-2</b> PF,PS,OVAL,UB,NND,R=F	<b>Galaxy SA0-:</b>	<b>F,S,R,R</b>
<b>NGC 4336</b> Apr 26 2003 12.5" 9mmT6	<b>H406-2</b> VB,PL,OVAL,UB,VERY HISB,R=E	<b>Galaxy SB0/a</b>	<b>VF,PL,IR,(BIN)</b>
<b>NGC 4338</b> May 30 2014 36" 17mmT4	<b>H323-2</b> VF,MS,EDGE ON,NND,PA~0 OR 180,R=P	<b>Galaxy Sd</b>	<b>VF,LE,COM</b>

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<b>NGC 4340</b> Feb 12 1983 12.5" 24mm	<b>H85-2</b>	<b>Galaxy SB(r)0+</b> MB,PS,DNUC,SBM,OVAL,PAIR/4350	<b>PB,S,R,PSBM</b>
<b>NGC 4350</b> Feb 12 1983 12.5" 24mm Mar 27 1981 12.5" 24mm	<b>H86-2</b>	<b>Galaxy SA0 sp</b> MB,PS,BNUC,SBM,OVAL,CLOSE PAIR/4340	<b>CB,VS,ME,VSBM</b>
<b>NGC 4359</b> Mar 22 2004 12.5" 12mmT4	<b>H648-3</b>	<b>Galaxy SB(rs)c? sp</b> PF,ML,ELONG,SMALL BNUC,SHISB,HISB MIDDLE,GMBM,R=E	<b>CF,PME90,VLBM</b>
<b>NGC 4379</b> Mar 22 2004 12.5" 12mmT4	<b>H87-2</b>	<b>Galaxy S0- pec:</b> PF,MS,R,LARGE BNUC,SHISB,HISB MIDDLE,GMBM,R=G	<b>PS,R,PSBMN</b>
<b>NGC 4382</b> Apr 11 2015 36" 17mmT4 Mar 08 2010 31" 17mmT4 Mar 19 2004 12.5" 12mmT4 Mar 02 1984 10" 20mm Feb 12 1983 12.5" 16mm Mar 27 1981 12.5" 24mm Jun 10 1980 6" 24mm	<b>M85</b>	<b>Galaxy SA(s)0+ pec</b> EB,VL,OVAL,GMBM,HISB MIDDLE,MOD SNUC,FT OBLONG HALO AROUND NUC,* OFF NUC,R=G VB,VL,OVAL,SMALL BNUC,GMBM,HISB MIDDLE,GRANULAR HALO,PAIR=4394,R=G MESSIER MARATHON 2004 SAME VB,ML,BNUC,F* IN N SIDE,R,BM,PAIR/4394 MESSIER MARATHON 1981	<b>VB,PL,R,BM,*NP</b>
<b>NGC 4394</b> Mar 08 2010 31" 17mmT4 Feb 12 1983 12.5" 16mm Mar 27 1981 12.5" 24mm	<b>H55-2</b>	<b>Galaxy (R)SB(r)b</b> MB,MS,ELONG,LARGE BNUC,MOD HISB MIDDLE,GMB,PAIR=4382,R=G MF,MS,DNUC,R,SBM,PAIR/4382	<b>PB,LE,BM</b>
<b>NGC 4414</b> Feb 12 1983 12.5" 16mm	<b>H77-1</b>	<b>Galaxy SA(rs)c?</b> VB,ML,BNUC,BM,DIF HALO,SLIGHTLY ELONG,NO *S ON EDGE LIKE PHOTO	<b>VB,L,E,G,VSBM*</b>
<b>NGC 4419</b> Feb 12 1983 12.5" 16mm Mar 27 1981 12.5" 24mm	<b>H113-2</b>	<b>Galaxy SB(s)a sp</b> MB,PS,EDGE ON,FNUC,SBM,TAPPERED	<b>B,PME135,SBM</b>
<b>NGC 4448</b> Feb 12 1983 12.5" 16mm	<b>H91-1</b>	<b>Galaxy SB(r)ab</b> MF,MS,FNUC,SLIGHTLY ELONG,MOD HISB,SBM	<b>B,L,E90,SBM</b>
<b>NGC 4450</b> Mar 16 2010 31" 17mmT4 Feb 12 1983 12.5" 16mm Jun 10 1980 6" 24mm	<b>H56-2</b>	<b>Galaxy SA(s)ab</b> VB,VL,ELONG,SMALL BNUC,SMBM,HISB MIDDLE,GRANULAR OVAL ARMS,R=E MB,ML,FNUC,R,LARGE NUC,HALO DET	<b>B,L,R,GVMBM*,R,B*SP</b>
<b>NGC 4459</b> May 09 2010 31" 17mmT4 Feb 12 1983 12.5" 16mm Mar 27 1981 12.5" 24mm Jun 10 1980 6" 24mm	<b>H161-1</b>	<b>Galaxy SA(r)0+</b> EB,VL,R,LBNUC,GRANULAR HALO,SUDDENLY MBM,HISB,R=E MB,PS,BNUC,SMBM,STELL NUC,CLOSE TO B*	<b>PB,PL,IR,BM,R,*8SF2'</b>

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<b>NGC 4473</b>		<b>H114-2</b>	<b>Galaxy E5</b>	<b>PB</b>
Mar 16 2010 31"	17mmT4	VB,VL,OVAL,LARGE BNUC,HISB MIDDLE,GRANULAR HALO,GMBM,R=E		
Feb 12 1983 12.5"	16mm	MF,PS,DNUC,R,BM,PAIR/4477		
May 01 1981 12.5"	24mm	PB,PL,BNUC,FARM,PAIR/4461		
Mar 27 1981 12.5"	24mm			
Jun 10 1980 6"	24mm			
<b>NGC 4477</b>		<b>H115-2</b>	<b>Galaxy SB(s)0:?</b>	<b>PB,CL</b>
Mar 16 2010 31"	17mmT4	VB,VL,ELONG,LARGE BNUC,GRAD MBM,HISB MIDDLE,PAIR=4479,R=E		
Feb 12 1983 12.5"	16mm	MF,PS,BNUC,R,BM,CLOSE COMP 4479,PAIR/4473		
Mar 27 1981 12.5"	24mm			
Jun 10 1980 6"	24mm			
<b>NGC 4479</b>		<b>H116-2</b>	<b>Galaxy SB(s)0^:?</b>	<b>PB,PL</b>
Mar 16 2010 31"	17mmT4	MB,MS,OVAL,LARGE FNUC,PAIR=4477,R=F		
Feb 12 1983 12.5"	16mm	VDIF,VF,MS,ELONG,UB,NND,CLOSE COMP 4477		
<b>NGC 4494</b>		<b>H83-1</b>	<b>Galaxy E1-2</b>	<b>VB,PL,R,VSMBMN</b>
Mar 17 2018 36"	17mmT4	VB,VL,OVAL,S BRT NUC,HISB,F* OUTER EDGE,GRANULAR HISB OVAL ARMS AROUND NUC,MBM,R=E		
Feb 12 1983 12.5"	16mm	VB,VL,BNUC,R,BM		
<b>NGC 4501</b>	<b>M88</b>		<b>Galaxy SA(rs)b</b>	<b>B,VL,VME</b>
Mar 17 2018 36"	17mmT4	VB,EL,OVAL,BNUC,HISB,GMBM,SOFT NUC WITH BRT CORE,GRANULAR ARMS,2F*S OUTER ARM,R=E		
Apr 11 2015 36"	17mmT4	EB,VL,EL,S SOFT BRT NUC,LG ELONG PATCH OF ARMS AND HALO,BROKEN PARTS,R=E		
May 09 2010 31"	17mmT4	VB,EL,OVAL,LBNUC,FILLS FOV,GRANULAR ARMS,PATCHY AREAS,SUDDENLY MBM,HISB MIDDLE,2F* EDGE,R=E		
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984 10"	20mm	SAME,2F*S ONE SIDE,ANOTHER F* OPPOSITE SIDE		
Feb 12 1983 12.5"	16mm	VB,VL,BNUC,BRT H2 REGION AND ARMS,DIF ARMS,SLIGHTLY ELONG		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
Jun 10 1980 6"	24mm			
<b>NGC 4548</b>	<b>M91</b>	<b>H120-2</b>	<b>Galaxy SB(rs)b</b>	<b>B,L,LE,LBM</b>
Mar 17 2018 36"	17mmT4	VB,EL,ELONG,BNUC,MHISB,L SOFT NUC,BGM,FT HALO AROUND NUC,ARMS NOT DET,R=GE		
Apr 11 2015 36"	17mmT4	PB,PL,S SOFT GRAD BM,FT HALO,BRTER PATCH-BAR DET,R=G		
May 09 2010 31"	17mmT4	EB,EL,SBNUC,BRT BAR ACROSS NUC,SUDDENLY MBM,HISB MIDDLE,FT HALO ARMS,VF OUTER LOOP ONE SIDE,R=E		
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984 10"	20mm	SAME		
Feb 12 1983 12.5"	24mm	MB,PL,BNUC,R,LARGE NUC,DIF HALO		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
Jun 10 1980 6"	24mm			
<b>NGC 4559</b>		<b>H92-1</b>	<b>Galaxy SAB(rs)cd</b>	<b>VB,VL,ME150,GBM,3*F</b>
Mar 17 2018 36"	17mmT4	VB,VL,OVAL,PATCH,NND,BROKEN PATCHES,MHISB IN ARMS,3*S TRIANGLE OUTER EDGE,R=E		
Feb 12 1983 12.5"	24mm	VB,VL,3F*S IN S EDGE,SLIGHTLY ELONG,HISB,NND		

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<b>NGC 4565</b>		<b>H24-5</b>	<b>Galaxy SA(s)b? sp</b>	<b>B,EL,EE135,VSBMN=*10</b>
Mar 17 2018 36"	17mmT4	EB,EEL,EDGE ON,BNUC,HISB,ABSOLUTELY AMAZING,DUST LANE THROUGH NUC REGION AND BEYOND,S BRT NUC ONE SIDE OF DUST, EDGE TO EDGE,R=EE		
Feb 05 2005 31"	17mmT4	EB,EEL,EDGE ON,LARGE BNUC,HISB,FILLS FOV,2 HALVES,GMBM,TAPPED ENDS,R=E		
Feb 05 2005 31"	31mmT5	EB,EL,EDGE ON,BNUC,BETTER THAN 17MM,JUST FITS IN FOV,DUST LANE,BEST TO DATE,R=E		
Feb 27 1982 12.5"	16mm	MB,PL,VERY EDGE ON,BNUC,DIM HALO,F*N OF NUC,DUST LANES,CENTRAL BULGE,!!!		
Mar 27 1981 12.5"	24mm			
<b>NGC 4571</b>		<b>H602-3</b>	<b>Galaxy SA(r)d</b>	<b>VF,L,E,VGBM,*9NF NR</b>
Mar 22 2004 12.5"	12mmT4	DIF,VF,VL,OVAL,PATCH,UB,NND,SOMEWHAT BM,R=F		
<b>NGC 4613</b>			<b>Galaxy Sa</b>	<b>VF,S,LE,1ST OF 3</b>
Mar 17 2018 36"	17mmT4	MF,PS,PATCH,L FT NUC,PAIRS=4615/4614,R=F		
Mar 20 2009 31"	17mmT4	MF,PS,OVAL,LARGE FNUC,OTHERS=NGC'S,R=F		
<b>NGC 4614</b>			<b>Galaxy SB0/a</b>	<b>F,S,R,*12NP,2ND OF 3</b>
Mar 17 2018 36"	17mmT4	MB,MS,R,L BRT NUC,HISB MIDDLE,PAIRS=4613/4615,R=R		
Mar 20 2009 31"	17mmT4	MB,MS,OVAL,LARGE BNUC,MOD HISB MIDDLE,OTHERS=NGC'S,R=G		
<b>NGC 4615</b>			<b>Galaxy Scd:</b>	<b>F,PL,E,3RD OF 3</b>
Mar 17 2018 36"	17mmT4	MB,ML,ELONG,UB,NND,SHISB,RECTANGULAR IN SHAPE,PAIRS=4613/4614,R=FG		
Mar 20 2009 31"	17mmT4	MF,ML,ELONG,UB,NND,BAR DET,SPIRAL ARMS DET AT ENDS OF BAR,OTHERS=NGC'S,R=G		
<b>NGC 4651</b>		<b>H12-2</b>	<b>Galaxy SA(rs)c</b>	<b>CB,L,E90,GBM,R</b>
Mar 20 2009 31"	17mmT4	PF,ML,OVAL.SBNUC,MHISB,P AREAS IN ARMS DET,SMBM,SPIRAL ARMS,GRANDULAR ARMS,R=E		
<b>NGC 4670</b>		<b>H328-3</b>	<b>Galaxy SB(s)0/a pec:</b>	<b>PF,CS,R,BM,R,P OF 2</b>
Mar 17 2018 36"	17mmT4	PB,MS,ELONG,L BRT NUC,HISB MIDDLE,PAIR=4673,R=G		
Mar 20 2009 31"	17mmT4	MB,MS,OVAL,BNUC,BRT BAR LIKE NUC,SOMEWHAT HISB MIDDLE,PAIR=4673,R=G		
<b>NGC 4673</b>		<b>H329-3</b>	<b>Galaxy E1-2</b>	<b>F,VS,R,SBM*10,F OF 2</b>
Mar 17 2018 36"	17mmT4	PB,MS,OVAL,L BRT NUC,HISB MIDDLE,PAIR=4670,R=G		
Mar 20 2009 31"	17mmT4	MB,MS,OVAL,SM BNUC,SMBM,SOMEWHAT HISB MIDDLE,PAIR=4670,R=G		
<b>NGC 4676A</b>			<b>Galaxy S0 pec?</b>	
Mar 20 2009 31"	17mmT4	MB,ML,EDGE ON,SM BNUC,NUC AT END OF GAL,INTERACT=4676B,R=G		
<b>NGC 4676B</b>			<b>Galaxy SB(s)0/a pec</b>	
Mar 20 2009 31"	17mmT4	MB,MS,OVAL,LG FNUC,INTERACT=4676A,NUC NOT CENTERED,FT PATCH OFF ONE SIDE,R=G		
<b>NGC 4689</b>		<b>H128-2</b>	<b>Galaxy SA(rs)bc</b>	<b>PB,VL,E,VGLBM,R</b>
Mar 27 1982 12.5"	12mm	EDIF,MF,PL,R,2F*S N,NND,UB,SOME STR SUSP		
<b>NGC 4692</b>		<b>H381-2</b>	<b>Galaxy E+:</b>	<b>F,CS,R,BM</b>
Mar 17 2018 36"	17mmT4	MB,MS,OVAL,S BRT NUC,HISB MIDDLE,R=G		
<b>NGC 4712</b>			<b>Galaxy SA(s)bc</b>	<b>VF,PL</b>

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<b>NGC 4712</b>		<b>Galaxy SA(s)bc</b>	<b>VF,PL</b>	
Mar 17 2018 36"	17mmT4	MF,PL,PATCH,UB,NND,IRR,GRANULAR,PATCHY,SOMEWHAT HISB,R=G		
<b>NGC 4721</b>		<b>Galaxy S0?</b>	<b>VF,VS,(RESOLVABLE)</b>	
May 14 2009 31"	17mmT4	MB,ML,ELONG,LARGE BNUC,MB,R=F		
<b>NGC 4725</b>		<b>H611-3</b>	<b>Galaxy SAB(r)ab pec</b>	<b>VB,VL,E,VG,VSVMBMEBN</b>
Mar 17 2018 36"	17mmT4	MB,VL,R,L BRT NUC,MBM,HISB MIDDLE,7F*S IN GAL,ARMS,KNOTS,PATCHES,BAR SUSP,R=GE		
Feb 12 1983 12.5"	24mm	VB,EL,BNUC,LARGE BRT NUC,OVAL,SLIGHTLY ELONG		
<b>NGC 4728</b>		<b>Galaxy E1</b>	<b>EF,ES</b>	
May 14 2009 31"	17mmT4	MB,ML,PATCH,LARGE BNUC,SOMEWHAT HISB MIDDLE,R=F		
<b>NGC 4738</b>		<b>Galaxy Scd?</b>	<b>VF,E30,VLBM</b>	
May 31 2014 36"	17mmT4	MB,ML,EDGE ON,NND,PA-0,* OFF NUC,TAPPERED ENDS,R=FG		
<b>NGC 4745</b>		<b>Galaxy S0?</b>	<b>EF*6N</b>	
May 17 2009 31"	17mmT4	MF,MS,OVAL,LARGE BNUC,AGC1656,R=F		
May 14 2009 31"	17mmT4	MF,ML,OVAL,LARGE BNUC,BM,R=F		
<b>NGC 4747</b>		<b>H344-2</b>	<b>Galaxy SBcd? sp pec</b>	<b>F,PL,LE</b>
Mar 17 2018 36"	17mmT4	MB,ML,ELONG,UB,NND,R=G		
Mar 20 2009 31"	17mmT4	MB,PL,ELONG,ALMOST UB,LG F CENTRAL REGION W/FAINTER EXTENSIONS BOTH ENDS,R=G		
<b>NGC 4787</b>		<b>Galaxy S0/a</b>	<b>VF,VS,4789F</b>	
May 17 2009 31"	17mmT4	MF,MS,ELONG,OBAL,LARGE FNUC,AGC1656,R=F		
<b>NGC 4788</b>		<b>Galaxy S?</b>	<b>VF,S</b>	
May 17 2009 31"	17mmT4	MF,MS,ELONG,SMALL BNUC,GRADUALLY BM,AGC1656,R=F		
<b>NGC 4789</b>		<b>H345-2</b>	<b>Galaxy SA0:</b>	<b>F,R,*9ATT1'N</b>
May 17 2009 31"	17mmT4	MB,ML,LARGE BNUC,* OFF SIDE,MOD HISB MIDDLE,AGC1656,R=G		
<b>NGC 4789A</b>		<b>Galaxy IB(s)m</b>		
May 17 2009 31"	17mmT4	VDIF,EF,ML,PATCH,UB,NND,AV TOOK A WHILE,AGC1656,R=P		
<b>NGC 4793</b>		<b>H93-1</b>	<b>Galaxy SAB(rs)c</b>	<b>PB,PS,LE,*8NF1'</b>
May 17 2009 31"	17mmT4	PF,PL,ELONG,SMALL BNUC,HISB,COMP=MAC,AGC1656,R=E		
<b>NGC 4798</b>		<b>H382-2</b>	<b>Galaxy S0-:</b>	<b>PF,PS,GBM</b>
May 17 2009 31"	17mmT4	MB,PL,R,LARGE FNUC,SOMEWHAT HISB MIDDLE,AGC1656,R=G		
<b>NGC 4807</b>		<b>Galaxy SAB0- pec:</b>	<b>F,PS,R,BM</b>	
May 17 2009 31"	17mmT4	MB,MS,R,LARGE BNUC,MOD HISB MIDDLE,AGC1656,R=G		
<b>NGC 4816</b>		<b>H383-2</b>	<b>Galaxy S0-:</b>	<b>VF,PL</b>
May 18 2009 31"	17mmT4	MB,ML,OVAL,LARGE BNUC,MOD HISB MIDDLE,* OF SIDE,AGC 1656,R=G		

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<b>NGC 4816</b>		<b>H383-2</b>	<b>Galaxy S0-:</b>	<b>VF,PL</b>
May 17 2009 31"	17mmT4	MB,ML,SMALL BNUC,F*	OFF SIDE,SMBM,MOD HISB CENTRAL AREA,AGC1656,R=F	
<b>NGC 4819</b>		<b>H346-2</b>	<b>Galaxy (R')SAB(r)a:</b>	<b>VF,PL,IF</b>
May 19 2009 31"	17mmT4	PB,PL,R,LARGE BNUC,MOD HISB MIDDLE,BMBM,AGC 1656,R=G		
<b>NGC 4821</b>			<b>Galaxy E4:</b>	<b>VF,VS,4819NP</b>
May 19 2009 31"	17mmT4	PB,ML,R,LARGE BNUC,MOD HISB MIDDLE,AGC 1656,R=F		
<b>NGC 4824</b>			<b>Galaxy SA0</b>	<b>VF,VS</b>
May 18 2009 31"	17mmT4	MF,MS,R,LARGE FNUC,AGC 1656,R=F		
<b>NGC 4826</b>	<b>M64</b>		<b>Galaxy (R)SA(rs)ab</b>	<b>VB,VL,VME120,BMSBN</b>
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984 10"	20mm	VB,VL,OVAL,SMALL BNUC,SBM		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
<b>NGC 4827</b>		<b>H384-2</b>	<b>Galaxy S0-</b>	<b>F,CL</b>
May 19 2009 31"	17mmT4	MB,ML,R,LARGE BNUC,GMBM,SMALL BRT TIGHT CORE,AGC 1656,R=F		
<b>NGC 4828</b>			<b>Galaxy S?</b>	<b>F,S,R</b>
May 19 2009 31"	17mmT4	MB,MS,R,LARGE BNUC,GRADUALLY GET BM,AGC 1656,R=F		
<b>NGC 4839</b>		<b>H386-2</b>	<b>Galaxy E+</b>	<b>F,PL,R</b>
May 19 2009 31"	17mmT4	MB,ML,ELONG,OVAL,LARGE BNUC,MOD HISB MIDDLE,GRANULAR AREAS,AGC 1656,R=G		
<b>NGC 4842A</b>			<b>Galaxy E0</b>	<b>VF,VS,4839SP</b>
May 19 2009 31"	17mmT4	MF,MS,OVAL,BNUC,CLOSE COMP=4842B,AGC 1656,R=F		
<b>NGC 4842B</b>			<b>Galaxy E3:</b>	
May 19 2009 31"	17mmT4	MF,PS,OVAL,VERY SMALL NUC,CLOSE COMP=4842A,AGC 1656,R=F		
<b>NGC 4864</b>			<b>Galaxy E2</b>	<b>F,S,P OF 2</b>
May 14 2009 31"	17mmT4	MF,MS,ELONG,LARGE BNUC,AGC 1656,R=F		
<b>NGC 4865</b>			<b>Galaxy E6</b>	<b>VF,VS,*7,8F13S</b>
May 14 2009 31"	17mmT4	MB,MS,SMALL BNUC,AGC 1656,R=F		
<b>NGC 4867</b>			<b>Galaxy E3</b>	<b>VF,VS,STELLAR,F4864</b>
May 14 2009 31"	17mmT4	MF,PS,OVAL,LARGE BNUC,AGC 1656,R=F		
<b>NGC 4869</b>		<b>H388-2</b>	<b>Galaxy E3</b>	<b>CF,S,R,*7N</b>
May 14 2009 31"	17mmT4	MF,MSR,F* JUST OFF SIDE,SMALL BNUC,AGC 1656,R=F		
<b>NGC 4871</b>			<b>Galaxy SA0</b>	<b>VF,VS,STELL N</b>
May 14 2009 31"	17mmT4	MB,MS,OVAL,SMALL BNUC,BM,AGC 1656,R=F		



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<b>NGC 4872</b>		<b>Galaxy SB0</b>	<b>PF,PS,R</b>
May 14 2009 31"	17mmT4	MB,MS,OVAL,SMALL BNUC,BM,AGC 1656,R=F	
<b>NGC 4873</b>		<b>Galaxy SA0</b>	<b>VF,VS</b>
May 14 2009 31"	17mmT4	MB,MS,OVAL,SMALL BNUC,BM,AGC 1656,R=F	
<b>NGC 4874</b>		<b>H389-2 Galaxy E+0</b>	<b>F,4869\$72 P</b>
May 14 2009 31"	17mmT4	PB,PL,OVAL,MOD HISB MIDDLE,SMBM,LARGE BNUC,AGC 1656,R=G	
<b>NGC 4875</b>		<b>Galaxy SA0</b>	<b>VF,VS,STELLAR</b>
May 14 2009 31"	17mmT4	MF,MS,OVAL,SMALL BNUC,AGC 1656,R=F	
<b>NGC 4876</b>		<b>Galaxy E5</b>	<b>VF,VS,NO NUCL</b>
May 14 2009 31"	17mmT4	MF,PS,OVAL,SMALL BNUC,AGC 1656,R=F	
<b>NGC 4882</b>		<b>Galaxy E0</b>	<b>VF,S,OTHERS NEAR</b>
May 14 2009 31"	17mmT4	MF,MS,OVAL,LARGE BNUC,AGC 1656,R=F	
<b>NGC 4884</b>		<b>H391-2 Galaxy E+4</b>	<b>CHIEF OF MULT NEB</b>
May 14 2009 31"	17mmT4	VB,VL,OVAL,GMBM,LARGE BNUC,HISB,AGC 1656,R=G	
<b>NGC 4894</b>		<b>Galaxy SA0</b>	<b>PF,S,R</b>
May 14 2009 31"	17mmT4	PF,PS,PATCH,NND,AGC 1656,R=F	
<b>NGC 4898</b>		<b>Galaxy E pec</b>	<b>VF,S,CLOSE TO 4894</b>
May 14 2009 31"	17mmT4	MB,ML,ELONG,OVAL,LARGE BNUC,AGC 1656,R=F	
<b>NGC 4926</b>		<b>Galaxy SA0-</b>	<b>PB,S,R,GLBM</b>
Apr 07 2008 31"	17mmT4	MB,MS,R,LARGE BNUC,MOD HISB MIDDLE,PAIRS=4926A/MAC'S,R=G	
<b>NGC 4926A</b>		<b>Galaxy S0 pec?</b>	
Apr 07 2008 31"	17mmT4	PF,PS,PATCH,VERY SMALL FNUC,PAIRS=4926/MAC'S,R=P	
<b>NGC 4944</b>		<b>H395-2 Galaxy S0/a? sp</b>	<b>F,S,R,BM,*9NF1'</b>
Apr 07 2008 31"	17mmT4	MF,MS,ELONG,LARGE FNUC,SOMEWHAT HISB MIDDLE,PAIRS=PGC45162/MAC'S,R=F	
<b>NGC 5012</b>		<b>H85-1 Galaxy SAB(rs)c</b>	<b>PF,CL,E17,BIN,*9F</b>
Mar 22 2004 12.5"	12mmT4	MF,MS,ELONG,PATCH,UB,SHISB,R=F	
<b>NGC 5024</b>	<b>M53</b>	<b>Globular</b>	<b>GCL,B,VC,IR,VVMBM,</b>
Apr 11 2015 36"	17mmT4	VB,VL,RESOLVED TO CORE,GROUP OF B*'S OFF ONE SIDE OF NUC,MOD HISB SECTIONS IN NUC,*'S FALL OFF SHARPLY MOVING AWAY FROM NUC,~TYPE III,R=EE	
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 02 1984 10"	20mm	VB,VL,BNUC,R,OUTTER *'S RESOLVED,LARGE BRT NUC	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
<b>NGC 5053</b>		<b>H7-6 Globular</b>	<b>CL,VF,PL,IR,VGBM,*15</b>

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<b>NGC 5053</b>	<b>H7-6</b>	<b>Globular</b>	<b>CL,VF,PL,IR,VGBM,*15</b>
Apr 11 2015 36" 17mmT4	MB,PL,DOZ OR SO B*S LOOSLY SCATTERED,LITTLE CLUSTERING IN NUC AREA DET,OC LIKE,~TYPE XII,R=G		
Mar 22 2004 12.5" 12mmT4	VDIF,EF,VL,OVAL,FAINT PATCHY AREAS DETECTED,MORE WITH AV,R=P		
Mar 27 1981 12.5" 24mm			
<b>NGC 5056</b>	<b>H306-3</b>	<b>Galaxy Scd:</b>	<b>CF,CS,R,SP OF 2</b>
Mar 22 2004 12.5" 12mmT4	VF,MS,PATCH,UB,NND,PAIR=5057,R=P		
<b>NGC 5057</b>	<b>H307-3</b>	<b>Galaxy S0</b>	<b>CF,CS,R,NF OF 2</b>
Mar 22 2004 12.5" 12mmT4	VF,MS,PATCH,UB,NND,PAIR=5056,R=P		
<b>NGC 5065</b>	<b>H308-3</b>	<b>Galaxy Sd</b>	<b>VF,CS</b>
Mar 22 2004 12.5" 12mmT4	VF,PS,PATCH,NND,R=P		
<b>NGC 5089</b>	<b>H327-2</b>	<b>Galaxy S?</b>	<b>PF,PL,GBM</b>
Jan 28 1982 12.5" 16mm	EEDIF,EF,ES,JUST VISIBLE		
Jan 28 1982 12.5" 24mm	MUCH EASIER TO IDENTIFY THAN IN 16MM		
<b>PGC 37702</b>		<b>Galaxy S?</b>	
Mar 17 2009 31" 17mmT4	VF,VS,ELONG TO EDGE ON,PATCH,UB,VERY FAINT ELONG JET STICKING OUT OF N4015,R=P		
<b>PGC 37703</b>		<b>Galaxy S</b>	
Mar 17 2009 31" 17mmT4	EF,ES,SUSP ONLY,R=P		
<b>PGC 38163</b>		<b>Galaxy Sc</b>	
Mar 08 2010 31" 17mmT4	VF,PS,EDGE ON,UB,NND,AV TOOK A WHILE TO HOLD,PAIRS=NGC'S/MAC,R=P		
<b>PGC 38748</b>		<b>Galaxy Scd:</b>	
Apr 26 2014 36" 17mmT4	MF,MS,EDGE ON,UB,NND,PA~10,VF* OFF ONE SIDE CLOSE,THICKER IN MIDDLE,R=F		
<b>PGC 39014</b>		<b>Galaxy SB(s)d pec</b>	
Mar 17 2009 31" 17mmT4	PF,MS,OVAL,UB,NND,ATTACHED TO MAC,BOTH LOOK LIKE IRR TADPOLE,R=F		
<b>PGC 39281</b>		<b>Galaxy SBcd:</b>	
Apr 07 2008 31" 17mmT4	DIF,VF,MS,PATCH,UB,NND,R=P		
<b>PGC 39432</b>		<b>Galaxy Sd</b>	
May 30 2014 36" 17mmT4	PF,VL,EDGE ON,NND,PA~90,SOMEWHAT CENTRAL BULGE,'THIN SCRATCH ON LENSE',R=G		
<b>PGC 43462</b>		<b>Galaxy S</b>	
May 14 2009 31" 17mmT4	MF,MS,ELONG,UB,NND,R=F		
<b>PGC 43511</b>		<b>Galaxy S?</b>	
May 14 2009 31" 17mmT4	MF,MS,PATCH,NND,R=F		
<b>PGC 43529</b>		<b>Galaxy S</b>	

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<b>PGC 43529</b>		<b>Galaxy S</b>
May 17 2009 31"	17mmT4	MF,MS,ELONG,PATCH,UB,NND,AGC1656,R=P
May 14 2009 31"	17mmT4	MF,MS,ELONG,PATCH,UB,NND,R=F
<b>PGC 43583</b>		<b>Galaxy E/S0</b>
May 14 2009 31"	17mmT4	MF,MS,OVAL,LARGE BNUC,AGC 1656,R=F
<b>PGC 43618</b>		<b>Galaxy E?</b>
May 17 2009 31"	17mmT4	MF,MS,OVAL,LARGE FNUC,KEEP * OUT OF FOV,AGC1656,R=F
<b>PGC 43619</b>		<b>Galaxy E/S0</b>
May 17 2009 31"	17mmT4	MF,MS,OVAL,LARGE FNUC,AGC1656,R=F
<b>PGC 43631</b>		<b>Galaxy C</b>
May 17 2009 31"	17mmT4	PF,MS,OVAL,PATCH,NND,AGC1656,R=F
<b>PGC 43632</b>		<b>Galaxy Spiral</b>
May 17 2009 31"	17mmT4	PF,MS,PATCH,UB,NND,AGC1656,R=P
<b>PGC 43712</b>		<b>Galaxy S?</b>
May 17 2009 31"	17mmT4	PF,MS,OVAL,PATCH,UB,NND,AGC1656,R=F
<b>PGC 43726</b>		<b>Galaxy S?</b>
May 17 2009 31"	17mmT4	MB,ML,ELONG,UB,NND,MOD HISB,AGC1656,R=G
<b>PGC 43840</b>		<b>Galaxy S</b>
May 17 2009 31"	17mmT4	MF,MS,ELONG,UB,NND,AGC1656,R=F
<b>PGC 43847</b>		<b>Galaxy S</b>
May 17 2009 31"	17mmT4	PF,PS,PATCH,UB,NND,AGC1656,R=P
<b>PGC 43863</b>		<b>Galaxy Sb</b>
May 31 2014 36"	17mmT4	MB,ML,EDGE ON,UB,NND,PA~90,SOMEWHAT BM,TAPPERED ENDS,R=FG
<b>PGC 43882</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	VF,PS,PATCH,NND,AGC1656,R=P
<b>PGC 43930</b>		<b>Galaxy SB?</b>
May 17 2009 31"	17mmT4	MF,MS,OVAL,LARGE FNUC,AGC1656,R=F
<b>PGC 43952</b>		<b>Galaxy E</b>
May 17 2009 31"	17mmT4	MF,MS,ELONG,EDGE ON,UB,NND,AGC1656,R=F
<b>PGC 43965</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	VF,PS,PATCH,NND,AGC1656,R=P
<b>PGC 43995</b>		<b>Galaxy E</b>

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<b>PGC 43995</b>		<b>Galaxy E</b>
May 17 2009 31"	17mmT4	MF,MS,OVAL,SMALL FNUC,AGC1656,R=P
<b>PGC 44031</b>		<b>Galaxy</b>
May 17 2009 31"	17mmT4	MF,PS,R,SMALL FNUC,AGC1656,R=F
<b>PGC 44043</b>		<b>Galaxy S0?</b>
May 17 2009 31"	17mmT4	MF,MS,LARGE FNUC,KEEP B* OUT OF FOV,AGC1656,R=F
<b>PGC 44044</b>		<b>Galaxy S</b>
May 17 2009 31"	17mmT4	MF,MS,ELONG,EDGE ON,SMALL BNUC,SOMEWHAT HISB MIDDLE,AGC1656,R=F
<b>PGC 44105</b>		<b>Galaxy</b>
May 18 2009 31"	17mmT4	MF,MS,R,SMALL FNUC,AGC 1656,R=F
<b>PGC 44109</b>		<b>Galaxy C</b>
May 18 2009 31"	17mmT4	PF,PS,PATCH,NND,AGC 1656,R=P
<b>PGC 44137</b>		<b>Galaxy</b>
May 18 2009 31"	17mmT4	MB,MS,OVAL,LARGE FNUC,AGC 1656,R=F
<b>PGC 44151</b>		<b>Galaxy L</b>
May 19 2009 31"	17mmT4	MF,MS,R,SMALL BNUC,AGC 1656,R=F
<b>PGC 44159</b>		<b>Galaxy</b>
May 18 2009 31"	17mmT4	MF,PS,PATCH,*NUC,VF* IN OR AROUND GAL,AGC 1656,R=P
<b>PGC 44193</b>		<b>Galaxy S?</b>
May 19 2009 31"	17mmT4	MF,MS,ELONG,LARGE FNUC,AGC 1656,R=F
<b>PGC 44195</b>		<b>Galaxy S</b>
May 19 2009 31"	17mmT4	PF,PS,PATCH,FNUC,AGC 1656,R=F
<b>PGC 44196</b>		<b>Galaxy E</b>
May 19 2009 31"	17mmT4	MB,MS,SMALL FNUC,AGC 1656,R=F
<b>PGC 44212</b>		<b>Galaxy S</b>
May 19 2009 31"	17mmT4	PF,PS,PATCH,VERY SMALL FNUC,AGC 1656,R=F
<b>PGC 44214</b>		<b>Galaxy</b>
May 19 2009 31"	17mmT4	EF,PS,PATCH,AV,AGC 1656,R=P
<b>PGC 44229</b>		<b>Galaxy</b>
May 19 2009 31"	17mmT4	MB,MS,ELONG,LARGE BNUC,AGC 1656,R=F
<b>PGC 44263</b>		<b>Galaxy SB?</b>
May 19 2009 31"	17mmT4	MB,ML,ELONG,LARGE BNUC,A VERY NICE PGC,AGC 1656,R=F

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<b>PGC 44268</b>		<b>Galaxy S?</b>
May 19 2009 31"	17mmT4	MB,MS,R,SMALL BNUC,AGC 1656,R=F
<b>PGC 44304</b>		<b>Galaxy S0</b>
May 19 2009 31"	17mmT4	MF,PS,R,SMALL BNUC,AGC 1656,R=F
<b>PGC 44432</b>		<b>Galaxy SBcd?</b>
Apr 07 2008 31"	17mmT4	VDIF,VF,PL,OVAL,PATCH,UB,NND,NO FIELD *S AROUND GAL,BARREN FOV,R=P
<b>PGC 44522</b>		<b>Galaxy</b>
May 14 2009 31"	17mmT4	PF,PS,PATCH,NND,AGC 1656,R=P
<b>PGC 44533</b>		<b>Galaxy</b>
May 14 2009 31"	17mmT4	PF,PS,PATCH,NND,AGC 1656,R=P
<b>PGC 44546</b>		<b>Galaxy</b>
May 14 2009 31"	17mmT4	VF,VS,PATCH,AV FIRST THEN HOLDS,AGC 1656,R=P
<b>PGC 44575</b>		<b>Galaxy E</b>
May 14 2009 31"	17mmT4	MF,MS,PATCH,UB,NND,AGC 1656,R=F
<b>PGC 44581</b>		<b>Galaxy</b>
May 14 2009 31"	17mmT4	PF,PS,PATCH,AGC 1656,R=P
<b>PGC 44585</b>		<b>Galaxy</b>
May 14 2009 31"	17mmT4	MF,PS,R,SMALL FNUC,AGC 1656,R=F
<b>PGC 44597</b>		<b>Galaxy</b>
May 14 2009 31"	17mmT4	PF,PS,CLOSE COMP=PGC44598,CAN SEPERATE,AGC 1656,R=F
<b>PGC 44598</b>		<b>Galaxy</b>
May 14 2009 31"	17mmT4	PF,PS,PATCH,CLOSE COMP=PGC44597,CAN SEPERATE,AGC 1656,R=F
<b>PGC 44602</b>		<b>Galaxy</b>
May 14 2009 31"	17mmT4	VF,PS,OVAL,VERY CLOSE TO *,AGC 1656,R=P
<b>PGC 44609</b>		<b>Galaxy</b>
May 14 2009 31"	17mmT4	EF,VS,PATCH,AV FIRST,AV HOLDS A FEW TIMES,AGC 1656,R=P
<b>PGC 44616</b>		<b>Galaxy</b>
May 14 2009 31"	17mmT4	VF,PS,OVAL,VERY CLOSE TO *,AGC 1656,R=P
<b>PGC 44636</b>		<b>Galaxy</b>
May 14 2009 31"	17mmT4	PF,PS,PATCH,NND,AGC 1656,R=P
<b>PGC 44644</b>		<b>Galaxy</b>
May 14 2009 31"	17mmT4	PF,PS,OVAL,PATCH,NND,AGC 1656,R=P

## Coma Berenices - Berenice's Hair

<b>PGC 44649</b>		<b>Galaxy</b>
May 14 2009 31"	17mmT4	MF,PS,OVAL,SMALL BNUC,AGC 1656,R=F
<b>PGC 44651</b>		<b>Galaxy</b>
May 14 2009 31"	17mmT4	PF,PS,OVAL,PATCH,NND,AGC 1656,R=P
<b>PGC 44652</b>		<b>Galaxy</b>
May 14 2009 31"	17mmT4	PF,PS,PATCH,AGC 1656,R=F
<b>PGC 44654</b>		<b>Galaxy</b>
May 14 2009 31"	17mmT4	VF,VS,PATCH,INTERACTING,CANNOT SEPERATE,AGC 1656,R=P
<b>PGC 44656</b>		<b>Galaxy</b>
May 14 2009 31"	17mmT4	PF,MS,OVAL,AGC 1656,R=F
<b>PGC 44662</b>		<b>Galaxy</b>
May 14 2009 31"	17mmT4	VF,VS,PATCH,INTERACTING,CANNOT SEPERATE,AGC 1656,R=P
<b>PGC 44675</b>		<b>Galaxy</b>
May 14 2009 31"	17mmT4	PF,PS,PATCH,AGC 1656,R=F
<b>PGC 44708</b>		<b>Galaxy</b>
May 14 2009 31"	17mmT4	EF,VS,PATCH,AV COMES AND GOES,TOUCHING NGC4884 NUC,AGC 1656,R=P
<b>PGC 44741</b>		<b>Galaxy</b>
May 14 2009 31"	17mmT4	VF,PS,PATCH,AGC 1656,R=P
<b>PGC 45162</b>		<b>Galaxy SB?</b>
Apr 07 2008 31"	17mmT4	VF,VS,OVAL,VERY SMALL FNUC,PAIRS=4944/MAC'S,R=P
<b>PGC 45463</b>		<b>Galaxy S</b>
Mar 20 2009 31"	17mmT4	MF,MS,ELONG,SM FNUC,VF* OFF ONE TIP,GAL HAS A BEND IN IT,NUC REG OFF 1 SIDE,R=F
<b>PGC 45509</b>		<b>Galaxy S?</b>
Mar 20 2009 31"	17mmT4	MB,MS,PATCH,UB,NND,R=F
<b>PGC 46036</b>		<b>Galaxy</b>
Mar 17 2010 31"	17mmT4	PF,PS,PATCH,SMALL FNUC,PAIRS=MAC'S/PGC46054,R=F
Mar 20 2009 31"	17mmT4	PF,PS,OVAL,VSM FNUC,INTERACT=PGC46054,CANNOT SEPERATE,OTHERS,R=F
<b>PGC 46054</b>		<b>Galaxy C</b>
Mar 17 2010 31"	17mmT4	EF,ES,AV ONLY A FEW TIMES,PAIRS=MAC'S/PGC46036,SUSP,R=P
Mar 20 2009 31"	17mmT4	EF,VS,PATCH,VERY CLOSE INTERACT=PGC46036,CANNOT SEPERATE OR DET,SUSP,R=P
<b>PGC 46225</b>		<b>Galaxy SB</b>
Mar 20 2009 31"	17mmT4	VF,PS,OVAL,PATCH,UB,NND,FIELD * CLOSE BY,PAIR=PGC46234,R=P

## Coma Berenices - Berenice's Hair

**PGC 46234**

**Galaxy C**

Mar 20 2009 31" 17mmT4 VF,VS,PATCH,TOOK A WHILE TO FIND WITH AV,AV OFF AND ON,PAIR=PGTC46225,R=P