

Astronomical League Flat Galaxies Observing Club

56	PGC 889	Peg	Galaxy Im
Nov 17 2012	36"	17mmT4 EF,VS,EDGE ON,PATCH,NND,F* JUST OFF EDGE,PA~100,R=P	
95	NGC 100	Psc	Galaxy Scd: sp VF,PS,ME
Nov 17 2012	36"	17mmT4 MF,ML,EDGE ON,UB,NND,SHISB,SLT BULGE,PA~50,R=G	
102	PGC 1665	Psc	Galaxy Scd:
Nov 17 2012	36"	17mmT4 MF,MS,OVAL,UB,NND,SLT BULGING,PA~15,R=FG	
124	PGC 1942	Sci	Galaxy Sc sp
Dec 12 2012	36"	17mmT4 PF,MS,EDGO ON,PATCH,NND,SMWHT CNTR BULGE,PA~90,R=PF	
152	PGC 2458	And	Galaxy Scd:
Dec 12 2012	36"	17mmT4 MF,ML,NND,PA~70,SMWHT A CNTR BULGE,R=FG	
161	PGC 2526	Cet	Galaxy SB(s)cd? sp
Dec 12 2012	36"	17mmT4 PF,PS,EDGE ON,NND, PA~80,* CLOSE TO NUC,F* OFF EDGE,NO CNTR BULGE,R=P	
179	PGC 2805	Cet	Galaxy SBd pec sp
Dec 12 2012	36"	17mmT4 PF,MS,EDGE ON,BSNUC,PA~20,SLT CNTR BULGE,GRAD MBM,R=F	
206	PGC 3133	Psc	Galaxy S?
Dec 12 2012	36"	17mmT4 MB,ML,EDGE ON,BSNUC,PA~170,F* OFF TIP,GRAD MBM, SLT BULGE,R=FG	
255	PGC 4063	Cet	Galaxy SB(s)d? sp
Dec 12 2012	36"	17mmT4 VF,MS,EDGE ON,UB,NND,PA~170,THIN SLIVER,R=F	
318	NGC 522	Psc	Galaxy Sbc: sp EF,PL,IF,(CL+NEB)
Dec 12 2012	36"	17mmT4 MF,ML,EDGE ON,PA~40,UB,SLT BULGE,R=FG	
363	PGC 6189	Tri	Galaxy Scd:
Dec 12 2012	36"	17mmT4 VF,MS,EDGE ON,UB,NND,PA~60,* ON TIP,* CLOSE TO NUC,R=P	
384	PGC 6699	Tri	Galaxy Sdm
Dec 12 2012	36"	17mmT4 MF,PL,EDGE ON,UB,NND,PA~45,SLT CENRAL BULGE,PAIRS=PGC/MAC,R=G	
396	PGC 6966	Cet	Galaxy SA(s)c? sp
Dec 12 2012	36"	17mmT4 MF,MS,EDGE ON,FSNUC,PA~170,F* OFF NUC,SLT BULGE,R=F	
411	PGC 7244	Cet	Galaxy Sbc: sp
Dec 12 2012	36"	17mmT4 VF,PS,EDGE ON,PA~150,UB,NND,* OFF EDGE,SLT TAPERED,R=PF	
416	IC 176	Cet	Galaxy Sc:
Dec 12 2012	36"	17mmT4 PF,PS,EDGE ON,PA~90,UB,NND,R=P	
439	IC 194	Cet	Galaxy Sb: sp
Dec 12 2012	36"	17mmT4 VF,PS,EDGE ON,UB,NND,PA~10,R=P	
Nov 22 2006	12.5"	12mmT4 VF,VS,PATCH,UB,NND,R=P	
501	PGC 8913	Cet	Galaxy SB(s)m: sp
Dec 12 2012	36"	17mmT4 EF,VS,EDGE ON,PA~45,UB,NND,AV FIRST,HARD TO HOLD,AV HARD TO DETECT,R=P	
504	PGC 8964	Ari	Galaxy Sd
Dec 12 2012	36"	17mmT4 VF,VS,EDGE ON,PA~160,UB,NND,SLT TAPERED,SLT CNTR BULGE,R=P	
514	PGC 9134	Tri	Galaxy Sd

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514	PGC 9134	Tri	Galaxy Sd	
Dec 12 2012	36"	17mmT4	VF,VS,EDGE ON,PATCH,UB,PA~125,* OFF ONE TIP,* OFF OTHER SIDE,THIN SLIVER COMING OFF *,R=P	
Nov 17 2012	36"	17mmT4	EF,PS,PATCH,UB,BET 2"S,PA~100,R=P	
528	PGC 9375	Tri	Galaxy Scd:	
Dec 12 2012	36"	17mmT4	EF,VS,EDGE ON,UB,NND,KEEP B* OUT OF FOV,* IN TIP,AV COMES AND GOES,R=P	
Nov 17 2012	36"	17mmT4	VF,PS,EDGE ON,UB,KEEP B* OUT OF FOV,PA~0,NO CNTR BULGE,THIN SLIVER,R=P	
547	PGC 9638	Ari	Galaxy Scd:	
Feb 09 2013	36"	17mmT4	VF,VS,EDGE ON,UB,PA~100,R=P	
553	NGC 973	Tri	Galaxy Sb	EEF,S,ME,PB*NR SP
Dec 12 2012	36"	17mmT4	PB,PL,UB,NND,PA~45,ENDS CUT OFF,NOT TAPERED,SMWHT CNTR BULGE,PAIR=IC1815,R=G	
Nov 17 2012	36"	17mmT4	MB,ML,EDGE ON,UB,NND,PAIR=IC1815,SLT CNTR BULGE,*OFF TIP,PA~45,R=FG	
Dec 19 2006	31"	17mmT4	PB,VL,EDGE ON,UB,NND,VF* OUTSIDE NUC,CNTR BULGE,TAPERED ENDS,PAIR=IC1815,R=E	
558	PGC 9888	Ari	Galaxy Scd:	
Nov 17 2012	36"	17mmT4	PF,ML,EDGE ON,UB,NND,F* IN EDGE OF GLXY,PA~140,THICK SLIVER,R=FG	
560	PGC 9904	Cet	Galaxy Scd:	
Dec 12 2012	36"	17mmT4	EF,MS,EDGE ON,PA~30,UB,NND,AV TOOK A WHILE,COMES AND GOES,R=P	
600	NGC 1110	Eri	Galaxy SB(s)m: sp	EF,PL,E348
Dec 12 2012	36"	17mmT4	MF,ML,EDGE ON,PA~15,UB,NND,R=F	
621	NGC 1145	Eri	Galaxy Sc: sp	F,PL,PME,2S* F
Dec 12 2012	36"	17mmT4	MB,PL,EDGE ON,PA~60,UB,NND,MHISB,* OFF TIP,R=F	
633	PGC 11252	Cet	Galaxy Sd	
Feb 09 2013	36"	17mmT4	VF,PS,EDGE ON,PATCH,UB,PA~10,R=P	
Dec 12 2012	36"	17mmT4	VF,MS,EDGE ON,PA~10,UB,NND,VF* OFF NUC,R=PF	
634	PGC 11282	Cas	Galaxy S?	
Jan 29 2014	36"	17mmT4	EF,PS,EDGE ON,LOC GOOD, AV ON NUC AREA ONLY,NO ARMS,SUSP,R=P	
640	NGC 1163	Eri	Galaxy SBbc? sp	VF,PS,ME75
Dec 12 2012	36"	17mmT4	MF,MS,EDGE ON,PA~140,UB,NND,SHISB,R=PF	
677	NGC 1247	Eri	H900-2 Galaxy Sbc sp	F,PL,E80
Dec 12 2012	36"	17mmT4	MF,ML,EDGE ON,PA~70,FLNUC,VF* CLOSE TO NUC,SLT CNTR BULGE,R=F	
722	PGC 12798	Eri	Galaxy Sdm: sp	
Jan 29 2014	36"	17mmT4	EF,VS,EDGE ON,SUSP,R=P	
766	PGC 13646	Eri	Galaxy Sc: sp	
Dec 12 2012	36"	17mmT4	MF,ML,EDGE ON,PA~30,NND,R=F	
777	PGC 13820	Eri	Galaxy Sc sp	
Dec 12 2012	36"	17mmT4	MF,PL,EDGE ON,PA~25,FSNUC,SLT CNTR BULGE,TAPERED ENDS,R=PF	
895	PGC 15967	Cam	Galaxy S?	
Feb 09 2013	36"	17mmT4	EF,ES,PATCH,PA~?,VF PATCH,CANNOT DETECT ARMS OR PLANE OF GLXY,R=P	
910	IC 2098	Eri	Galaxy Scd: sp	

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910	IC	2098	Eri	Galaxy Scd: sp	
Nov 17 2012	36"	17mmT4	MF,MS,EDGE ON,NND,THIN SLIVER,SLT CNTR BULGE,PA~110,R=F		
970	NGC	1886	Lep	Galaxy Sbc sp	VF,PL,E240,*8SP40"
Nov 17 2012	36"	17mmT4	MF,ML,EDGO ON,UB,NND,THIN SLIVER,VAR THICKNESS,PA~60,R=FG		
Nov 21 2006	12.5"	12mmT4	PF,ML,EDGE ON,UB,NND,R=G		
1000	PGC	17561	Cam	Galaxy Scd:	
Feb 09 2013	36"	17mmT4	VF,PS,EDGE ON,PATCH,UB,PA~60,R=P		
1025	PGC	17969	Lep	Galaxy Sbc: sp	
Nov 17 2012	36"	17mmT4	MF,MS,EDGE ON,FLNUC,SLT TAPERED ON ENDS,SMWHT MHSB CNTR,PA~100,R=F		
1102	PGC	19222	Cam	Galaxy Scd:	
Nov 17 2012	36"	17mmT4	VF,MS,EDGE ON,UB,NND,F* IN TIP, * OFF NUC,PA~180,R=P		
1172	PGC	20348	Cam	Galaxy Sd: pec	
Nov 17 2012	36"	17mmT4	MF,PL,EDGE ON,UB,NND,F* BOTH SIDES, * OFF TIP,TIPS SHARP,ONE TIP CURVED,HOOKED,PAIR=PGC20398,PA~90,R=G		
1190	PGC	20562	Gem	Galaxy Scd:	
Nov 17 2012	36"	17mmT4	MF,ML,EDGE ON,UB,NND,SLIVER,TAPERED ENDS,* OFF NUC,PA~160,R=FG		
1194	NGC	2357	Gem	Galaxy Scd:	EF,L,ME,BM,FST INV
Nov 17 2012	36"	17mmT4	MB,VL,EDGE ON,UB,NND,SLIVER,TAPERED ENDS,PA~120,R=G		
Jan 08 2003	12.5"	9mmT6	VDIF,PF,ML,EDGE ON,UB,NND,POPS IN AND OUT WITH AV		
Oct 30 1981	12.5"	12mm	VDIF,PF,MS,EDGE ON,B* OFF N SIDE,NNS,UB		
1220	PGC	21136	Gem	Galaxy Sdm:	
Nov 17 2012	36"	17mmT4	VF,MS,EDGE ON,UB,NND,VF* OFF TIP,THICKER IN CNTR,PA~100,R=PF		
1244	NGC	2424	Lyn	Galaxy SB(r)b: sp	VF,PS,ME,LBM,(R)
Nov 17 2012	36"	17mmT4	MB,ML,EDGE ON,BNUC,GRAD MBM,CNTR BULGE,MHSB CNTR,TAPERED ENDS,PA~90,R=FG		
Dec 07 2005	31"	17mmT4	VB,VL,EDGE ON,BSNUC,CNTR BULGE,MHSB CNTR,R=E		
1263	IC	2207	Gem	Galaxy Scd:	
Nov 17 2012	36"	17mmT4	VF,MS,EDGE ON,FNUC,VF* BOTH TIPS,CNTR BULGE,R=F		
Jan 20 2004	31"	17mmT4	MF,PL,EDGE ON,NND,F* IN CNTR RGN,CNTR BULGE,R=F		
1265	PGC	21970	Lyn	Galaxy Sd	
Nov 17 2012	36"	17mmT4	MF,MS,EDGE ON,UB,NND,SLT TAPERED ENDS,PA~0,R=F		
1290	PGC	22272	Pup	Galaxy Sbc: sp	
Dec 12 2012	36"	17mmT4	EF,MS,EDGE ON,PA~45,UB,NND,EXT HARD TO LOCATE,V RICH * FIELD,AV JUST BARELY HOLDS,R=P		
1301	PGC	22446	Lyn	Galaxy Sd:	
Nov 17 2012	36"	17mmT4	EF,MS,EDGE ON,UB,NND,VF* IN TIP,AV FIRST THEN HOLDS,PA~20,R=P		
1306	PGC	22506	Cnc	Galaxy Sb	
Nov 17 2012	36"	17mmT4	MB,MS,EDGE ON,BLNUC,* OFF NUC,TAPERED ENDS,MHSB CNTR,PA~100,R=F		
1312	PGC	22640	Cam	Galaxy Sbc	
Nov 17 2012	36"	17mmT4	PF,MS,EDGE ON,UB,NND,TAPERED,SLT BULGE,PA~90,R=F		
1339	PGC	23069	Lyn	Galaxy Scd:	

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- 1339 PGC 23069 Lyn Galaxy Scd:**
Nov 17 2012 36" 17mmT4 VF,MS,EDGE ON,UB,NND,TAPERED,PA~100,R=P
- 1340 IC 2233 Lyn Galaxy SB(s)d: sp**
Nov 17 2012 36" 17mmT4 MB,ML,EDGE ON,NND,* IN TIP,ONE SIDE BTR THAN OTHER,TAPERED,PA~180,R=G
Nov 24 2003 31" 17mmT4 MF,VL,EDGE ON,UB,NND,* IN EDGE,CNTR BULGE SLT DET,R=E
- 1421 PGC 24479 Pyx Galaxy SBd?sp**
Feb 09 2013 36" 17mmT4 MB,ML,EDGE ON,UB,NND,PA~90,SLT CNTR BULGE,R=F
- 1422 PGC 24490 Cnc Galaxy Sb**
Feb 09 2013 36" 17mmT4 VF,MS,EDGE ON,PATCH,UB,NND,PA~0,CIGAR SHAPE,SLT CNTR BULGE,R=P
- 1431 PGC 24685 Pyx Galaxy SAbc: sp**
Feb 09 2013 36" 17mmT4 MF,ML,EDGE ON,UB,NND,VF* JUST OFF NUC,PA~160,PAIR=MAC,NO CNTR BULGE,R=F
- 1462 PGC 25232 Lyn Galaxy Sdm:**
Feb 09 2013 36" 17mmT4 VF,ML,EDGE ON,UB,NND,PA~40,THIN SLIVER,VF* IN TIP,AV TOOK A WHILE,HOLDS,PAIR=MAC,R=P
- 1467 PGC 25308 UMa Galaxy Sc**
Apr 07 2008 31" 17mmT4 PF,MS,EDGE ON,UB,NND,SLT CNTR BULGE,PAIR=MAC,R=F
- 1500 PGC 25886 Hya Galaxy SAB(rs)b: sp**
Feb 09 2013 36" 17mmT4 MB,ML,EDGE ON,FLNUC,PA~30,* OFF NUC,2F**S OFF EDGE SIDE,SHISB CNTR,R=FG
- 1504 PGC 25926 Hya Galaxy Scd: sp**
Feb 09 2013 36" 17mmT4 VF,ML,EDGE ON,UB,NND,PA~170,V THIN SLIVER,AV AND MORE GLXY APPEARS,SOME PATCHES IN ARMS,R=F
- 1528 IC 2461 Lyn Galaxy Sb**
Dec 26 2003 31" 17mmT4 MF,MS,EDGE ON,FLNUC,TAPERED ENDS,R=F
- 1537 NGC 2820 UMa 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,SHISB,PAIR/IC2458/2814
- 1603 PGC 27681 Leo Galaxy Sb**
Feb 09 2013 36" 17mmT4 VF,MS,EDGE ON,FSNUC,PA~120,CENRAL BULGING,PAIRS=PGC'S,R=F
- 1629 PGC 28136 Sex Galaxy SBdm? sp**
Feb 09 2013 36" 17mmT4 EF,VS,PATCH,AV,SUSP,PA~?,CANNOT DET DIR OF GLXY,R=P
- 1654 NGC 3044 Sex H254-3 Galaxy SB(s)c? sp VF,VL,VME122**
Feb 09 2013 36" 17mmT4 VF,VL,EDGE ON,NND,PA~110,SLT TAPERED ENDS,HISB BUILDS TOWARDS CNTR,R=E
- 1670 PGC 28700 Leo Galaxy Scd:**
Feb 09 2013 36" 17mmT4 MF,MS,EDGE ON,UB,PA~45,SLT GRADUALLY CNTR BULGE,R=F
- 1682 IC 2531 Ant Galaxy Sc: sp**
Feb 09 2013 36" 17mmT4 MF,ML,EDGE ON,FLNUC,PA~80,SLT CNTR BULGE,TAPERED ENDS,18,4 DEG ALT,ANT,R=F
- 1700 PGC 29086 Sex Galaxy Sd: sp**
Feb 09 2013 36" 17mmT4 EF,MS,EDGE ON,PATCH,NND,AV COMES AND GOES,HARD TO HOLD,PA~0,R=P
- 1712 PGC 29229 UMa Galaxy Sdm:**

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- 1712 PGC 29229 UMa Galaxy Sdm:**
Feb 09 2013 36" 17mmT4 EF,ES,PATCH,PA~?,F PATCH SUSP,R=P
- 1727 PGC 29472 UMa Galaxy SB(s)c? sp**
Apr 07 2008 31" 17mmT4 MF,VL,EDGE ON,NND,MHISB,B*TIP,DUST AREAS SUSP,PATCHY,BROKEN PARTS,R=G
- 1743 PGC 29698 Leo Galaxy Scd:**
Feb 09 2013 36" 17mmT4 MF,MS,EDGE ON,FLNUC,PA~100,TAPERED ENDS,GRAD BM,R=F
- 1747 PGC 29743 Ant Galaxy Sbc: sp**
Feb 09 2013 36" 17mmT4 VF,MS,EDGE ON,UB,PA~140,VS B BLUE LOOKING PN IN NUC RGN,AV TO DETECT DIR OF GLXY,R=P
- 1796 NGC 3245A LMi Galaxy SB(s)b sp**
Feb 21 2020 36" 17mmT4 PF,MS,EDGE ON,UB,NND,R=P
Jan 24 2004 31" 17mmT4 VDIF,EF,VL,EDGE ON,UB,NND,ONLY CNTR RGN DET,PAIR=3245,R=P
- 1814 PGC 31037 Sex Galaxy SBd:**
Feb 09 2013 36" 17mmT4 VF,PS,EDGE ON,UB,PA~170,*ONE END,F* OTHER,R=PF
- 1830 NGC 3279 Leo Galaxy Sd F,ME**
Feb 09 2013 36" 17mmT4 MB,ML,EDGE ON,UB,NND,PA~150,SLT TAPERED ENDS,R=G
- 1876 NGC 3365 Sex Galaxy Scd: sp EF,L,EE159,VGV LBM**
Feb 09 2013 36" 17mmT4 MF,ML,EDGE ON,UB,PA~170,CNTR BULGE,BARRON * FOV,R=F
- 1893 PGC 32550 Hya Galaxy SB(s)cd:**
Jan 29 2014 36" 17mmT4 VF,PL,EDGE ON,PA~145,NND,THIN SLIVER,UNIFORM THICKNESS,R=P
- 1906 NGC 3454 Leo Galaxy SB(s)c? sp PF,LE,NP OF 2**
Jan 29 2014 36" 17mmT4 MB,ML,EDGE ON,UB,NND,MHISB,B* BET PAIR,PAIR=3455,SLT TAPERED AT ENDS,R=FG
- 1945 NGC 3501 Leo Galaxy Scd: VF,ME NS,GBM,3'LONG**
Jan 08 2003 12.5" 9mmT6 PB,PL,EDGE ON,LOC IN BARRON * FIELD,UB,SLT BULGE IN CNTR
- 2022 PGC 34869 UMa Galaxy Sd**
Jan 29 2014 36" 17mmT4 PF,MS,EDGE ON,PA~135,NND,V THIN SLIVER,TAPERED ENDS,SHARP,R-F
- 2083 PGC 35991 Leo Galaxy Sd**
Mar 16 2010 31" 17mmT4 PF,ML,EDGE ON,NND,SOME CNTR BULGING,R=F
- 2085 PGC 36026 Crt Galaxy Sc: sp**
Apr 19 2014 36" 17mmT4 MF,ML,EDGE ON,UB,NND,PA~10,THIN SLIVER, LTL BULGING,R=F
- 2093 PGC 36343 UMa Galaxy Scd:**
Jan 29 2014 36" 17mmT4 EF,MS,EDGE ON,PA~90,UB,THIN SLIVER,LOC IN BARRON FOV,R=P
- 2100 PGC 36431 Leo Galaxy Sb**
Mar 17 2010 31" 17mmT4 MF,ML,EDGE ON,UB,NND,PAIR=3828,R=F
- 2120 PGC 36932 Leo Galaxy Sd**
Jan 29 2014 36" 17mmT4 PF,MS,EDGE ON,PA~0,UB,SMWHT THICKER IN PARTS,NND,R=PF
- 2126 PGC 36973 UMa Galaxy Scd:**
Jan 29 2014 36" 17mmT4 VF,MS,EDGE ON,PA~150,UB,NND,PAIR=3917,R=P

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2162	PGC	37906	Crv		Galaxy Sdm?sp	
Apr 19 2014	36"	17mmT4	MF,ML,EDGE	ON,UB,NND,PA~130,R=PF		
2164	IC	755	Com		Galaxy	
Apr 19 2014	36"	17mmT4	MF,MS,EDGE	ON,UB,NND,PA~140,SLT THICKER IN CNTR,R=F		
2182	PGC	38347	Cam		Galaxy Sb	
Apr 26 2014	36"	17mmT4	PF,PS,EDGE	ON,NND,PA~75,* JUST OF NUC,SMWHT THICKER IN CNTR,SLT HISB,R=F		
2197	PGC	38567	CVn		Galaxy Sm	
Apr 26 2014	36"	17mmT4	MF,MS,EDGE	ON,UB,NND,PA~90,TAPERED ENDS,MUCH THICKER IN CNTR,* CLOSE ONE SIDE,R=F		
2210	PGC	38748	Com		Galaxy Scd:	
Apr 26 2014	36"	17mmT4	MF,MS,EDGE	ON,UB,NND,PA~10,VF* OFF ONE SIDE CLOSE,THICKER IN CNTR,R=F		
2212	NGC	4157	UMa	H208-1	Galaxy SAB(s)b? sp	PF,CL,VME60,(DOUBLE)
Apr 23 2003	12.5"	9mmT6	VF,EL,EDGE	ON,BNUC,MHISB,DUST LANE	SUSP,RES 7331,CNTR BULGE,R=E	
2222	NGC	4183	CVn	H697-3	Galaxy SA(s)cd? sp	VF,CL,ME170
Jan 26 1982	12.5"	16mm	DIF,PF,ML,EDGE	ON,13* S EDGE,NND,UB		
2227	NGC	4197	Vir	H134-2	Galaxy Sd	PF,PME,VGBM
Apr 19 2014	36"	17mmT4	MF,ML,EDGE	ON,NND,TAPERED/SHARP ENDS,SHISB,R=FG		
2233	IC	3074	Vir		Galaxy SB(s)dm: sp	
Apr 19 2014	36"	17mmT4	VF,PS,EDGE	ON,UB,PA~150,R=P		
2239	NGC	4222	Com	H109-2	Galaxy Sd: sp	VF,PS,R
Mar 08 2010	31"	17mmT4	MF,ML,EDGE	ON,UB,NND,TAPERED ENDS,R=FG		
2242	IC	3099	Vir		Galaxy Scd?	
Apr 19 2014	36"	17mmT4	VF,PS,EDGE	ON,UB,VF* OFF CNTR OF GLXY,PA~180,R=P		
2245	NGC	4244	CVn	H41-5	Galaxy SA(s)cd: sp	PB,VL,EE43,VGBM
Jan 26 1982	12.5"	24mm	PB,VL,EDGE	ON,* ON N TIP,NND,HISB,UB,TAPERED AT BOTH ENDS		
Oct 31 1980	12.5"	24mm				
2246	PGC	39432	Com		Galaxy Sd	
May 30 2014	36"	17mmT4	PF,VL,EDGE	ON,NND,PA~90,SMWHT CNTR BULGE,'THIN SCRATCH ON LENSE',R=G		
2257	PGC	39768	Hya		Galaxy Sbc: sp	
May 31 2014	36"	17mmT4	EF,VS,EDGE	ON,NND,PA~0,AV ONLY,COMES AND GOES,R=P		
2262	NGC	4289	Vir		Galaxy SA(s)cd: sp	VF,S,*8.5F12S
May 30 2014	36"	17mmT4	PF,ML,EDGE	ON,NND,PA~0,CLOSE TO B*,SMWHT SLT BULGE IN CNTR,SHARP ENDS,R=FG		
2269	NGC	4338	Com		Galaxy Sd	VF,LE,COM
May 30 2014	36"	17mmT4	VF,MS,EDGE	ON,NND,PA~0 OR 180,R=P		
2270	NGC	4330	Vir		Galaxy Scd?	VF,L,ME
May 30 2014	36"	17mmT4	MB,ML,EDGE	ON,NND,PA~70,SHISB,SOME BROKEN ARMS,R=G		
2277	NGC	4356	Vir	H481-3	Galaxy Scd:	VF
May 30 2014	36"	17mmT4	MB,ML,EDGE	ON,NND,PA~45,SHISB,* JUST OF NUC,TAPERED ENDS,R=FG		

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- 2280 IC 3311 Vir Galaxy Sdm:**
May 30 2014 36" 17mmT4 MF,MS,EDGE ON,NND,PA~130,THIN SLIVER,R=F
- 2284 IC 3322A Vir Galaxy SB(s)cd: sp**
May 30 2014 36" 17mmT4 MB,ML,EDGE ON,NND,PA~160,SLT CNTR BULGE,TAPERED ENDS,R=FG
- 2285 PGC 40621 Vir Galaxy Scd:**
May 30 2014 36" 17mmT4 MF,MS,EDGE ON,NND,PA~120,* IN EDGE,SHISB,R=F
- 2313 IC 3474 Vir Galaxy Sd sp**
May 30 2014 36" 17mmT4 PF,MS,EDGE ON,NND,PA~40,R=PF
- 2335 NGC 4565 Com H24-5 Galaxy SA(s)b? sp B,EL,EE135,VSBMN=*10**
Mar 17 2018 36" 17mmT4 EB,EEL,EDGE ON,BNUC,HISB,ABSOLUTELY AMAZING,DUST LANE THROUGH NUC RGN AND BEYOND,S BNUC ONE SIDE OF DUST, EDGE TO EDGE,R=EE
Feb 05 2005 31" 17mmT4 EB,EEL,EDGE ON,BLNUC,HISB,FILLS FOV,2 HALVES,GMBM,TAPERED ENDS,R=E
Feb 05 2005 31" 31mmT5 EB,EL,EDGE ON,BNUC,BTR THAN 17MM,JUST FITS IN FOV,DUST LANE,BEST TO DATE,R=E
Feb 27 1982 12.5" 16mm MB,PL,V EDGE ON,BNUC,DIM HALO,F*N OF NUC,DUST LANES,CNTR BULGE,!!!
Mar 27 1981 12.5" 24mm
- 2336 PGC 42045 CVn Galaxy Sd**
May 31 2014 36" 17mmT4 MF,PL,EDGE ON,NND,PA~90,F* OFF NUC ONE SIDE,ONE SIDE THICKER THAN OTHER,R=F
- 2344 PGC 42230 Vir Galaxy Scd:**
May 30 2014 36" 17mmT4 VF,MS,EDGE ON,NND,PA~50,R=P
- 2346 IC 3608 Vir Galaxy Sb:**
May 31 2014 36" 17mmT4 PF,MS,EDGE ON,UB,NND,PA~100,* CLSE BY,R=PF
- 2373 PGC 43021 Hya Galaxy Sbc: sp**
May 31 2014 36" 17mmT4 EF,PS,EDGE ON,NND,PA~120,TAPERED,AV FIRST THEN HOLDS,14 DEG ABOVE HORZ,R=P
- 2381 NGC 4703 Vir H514-3 Galaxy Sb sp EF,CS,PME**
Mar 27 1982 12.5" 12mm EDIF,VF,VS,EL,*NUC SUSP,NO *S
- 2386 PGC 43452 CVn Galaxy Sc**
May 31 2014 36" 17mmT4 MF,ML,EDGE ON,UB,NND,PA~130,* OFF NUC ONE SIDE,R=F
- 2391 NGC 4738 Com Galaxy Scd? VF,E30,VLBM**
May 31 2014 36" 17mmT4 MB,ML,EDGE ON,NND,PA~0,* OFF NUC,TAPERED ENDS,R=FG
- 2399 PGC 43679 Vir Galaxy Scd: sp**
May 31 2014 36" 17mmT4 VF,ML,EDGE ON,UB,NND,PA~80,PAIRS=PGC/MAC,R=PF
- 2411 PGC 43863 Com Galaxy Sb**
May 31 2014 36" 17mmT4 MB,ML,EDGE ON,UB,NND,PA~90,SMWHT BM,TAPERED ENDS,R=FG
- 2425 PGC 44254 Vir Galaxy Sb pec sp**
May 30 2014 36" 17mmT4 MF,MS,EDGE ON,NND,PA~120,CNTR BULGE,SHISB,R=F
- 2429 PGC 44358 Vir Galaxy Sd: sp**
May 30 2014 36" 17mmT4 MF,ML,EDGE ON,UB,NND,PA~120,SLIVER,R=F
- 2441 PGC 44931 Vir Galaxy Sc: sp**
May 30 2014 36" 17mmT4 MF,MS,EDGE ON,NND,PA~30,SLT CNTR BULGE,SMWHT B IN CNTR,R=F

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- 2443 PGC 44961 UMa Galaxy Sd**
May 31 2014 36" 17mmT4 MF,PL,EDGE ON,UB,NND,PA~20,F* OFF NUC,TAPERED ENDS,R=F
- 2444 PGC 45006 Vir Galaxy Sc: sp**
May 31 2014 36" 17mmT4 VF,MS,EDGE ON,NND,PA~45,TAPERED,R=PF
- 2449 PGC 45084 Vir Galaxy IB(s)m sp**
May 31 2014 36" 17mmT4 EF,VS,EDGE ON,PATCH,PA~?,LOC GOOD,SUSP,R=P
- 2495 NGC 5023 CVn H664-2 Galaxy Scd: sp PF,L,ME20,VLBM**
Jan 28 1982 12.5" 16mm VDIF,VF,MS,V EDGE ON,SPIKE LIKE
- 2501 PGC 45911 Vir Galaxy SB(s)cd? sp**
May 31 2014 36" 17mmT4 VF,PS,EDGE ON,NND,PA~0,F* OFF NUC,R=P
- 2504 NGC 5022 Vir Galaxy SBb pec sp VF,PL,E30,GBM,F5018**
Mar 22 2004 12.5" 12mmT4 PF,PS,PATCH,UB,NND,PAIR=5018,R=P
- 2517 PGC 46261 Vir Galaxy Sc: sp**
May 31 2014 36" 17mmT4 VF,MS,EDGE ON,NND,PA~180,CIGAR SHAPE,TAPERED ENDS,PAIR=PGC,R=P
- 2528 NGC 5073 Vir H282-3 Galaxy SB(s)c? sp VF,PL,PME135**
May 30 2014 36" 17mmT4 MB,ML,EDGE ON,UB,NND,PA~130,R=FG
- 2579 NGC 5170 Vir H22-5 Galaxy SA(s)c: sp CF,L,ME129,PGBM**
May 31 2014 36" 17mmT4 PB,PL,EDGE ON,BLNUC,PA~120,CNTR BULGE,TAPERED ENDS,HISB CNTR,R=G
- 2594 NGC 5229 CVn Galaxy SB(s)d? sp EF,L,ME,VDIFFIC**
Feb 15 2004 31" 17mmT4 MF,VL,EDGE ON,UB,NND,CNTR THICKNESS,TAPERED ENDS,R=E
- 2595 PGC 47784 Vir Galaxy Sb**
May 30 2014 36" 17mmT4 MF,PS,EDGE ON, NND,PA~120,TAPERED ENDS,CENRAL BULGE,F* OFF END TO ONE SIDE,PAIR=IC896,R=FG
- 2682 IC 4351 Hya Galaxy SA(s)b: sp**
May 31 2014 36" 17mmT4 MB,ML,EDGE ON,BNUC,PA~10,CNTR RGN B,TAPERED ENDS,R=FG
- 2731 NGC 5496 Vir Galaxy Sd: sp PB,VL,E NS**
May 30 2014 36" 17mmT4 MB,PL,EDGE ON,NND,SHISB,PA~180,F* IP,2VF*S OTHER TIP,S GRAN,R=G
- 2742 NGC 5526 UMa H804-3 Galaxy Sbc VF,S,E,R**
Mar 06 2003 12.5" 9mmT6 VDIF,VF,PS,EL,PATCH,NND,CLOSE COMP NOT DET,R=P
- 2747 NGC 5529 Boo H414-3 Galaxy Sc: sp CF,PL,VME110,VGVMBM**
Mar 26 2006 31" 17mmT4 PB,VL,EDGE ON,UB,NND,L CNTR REG,SLT BULGE IN CNTR,PAIR=P50952,R=E
- 2761 PGC 51207 Boo Galaxy Im**
May 30 2014 36" 17mmT4 PF,ML,EDGE ON,UB,NND,PA~45,R=PF
- 2774 PGC 51503 Boo Galaxy Sd**
May 30 2014 36" 17mmT4 MB,PL,EDGE ON,NND,PA~90,* OFF TO SIDE,SILVER,SLT CNTR BULGIND,R=FG
- 2776 PGC 51587 Boo Galaxy Sd:**
May 30 2014 36" 17mmT4 VF,ML,EDGE ON,NND,PA~90,THIN SLIVER,R=P
- 2781 PGC 51676 Lib Galaxy Sc sp**

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- 2781 PGC 51676 Lib Galaxy Sc sp**
May 30 2014 36" 17mmT4 EF,VS,EDGE ON,PA~?,AV ONCE OR TWICE,SUSP,LOC GOOD,R=P
- 2826 NGC 5714 Boo H675-3 Galaxy Scd: VF,PS,E PF,D*N,1 OF6**
Mar 16 2010 31" 17mmT4 MB,ML,EDGE ON,UB,NND,GRAD CNTR BULGE,SHISB,SHARP ENDS,PAIRS=NGC'S,R=G
- 2835 PGC 52411 Hya Galaxy Sb sp**
May 30 2014 36" 17mmT4 VF,MS,EDGE ON,NND,PA~110,* IN OUTER EDGE,AV FIRST THEN HOLDS,R=P
- 2860 PGC 52809 Lib Galaxy SB(s)cd: sp**
May 30 2014 36" 17mmT4 VF,ML,EDGE ON,UB,NND,PA~180,CIGAR SHAPE,R=F
- 2878 NGC 5777 Dra H806-3 Galaxy Sb VF,VS,LE**
Apr 14 2004 31" 17mmT4 MF,MS,EDGE ON,FLNUC,CNTR BULGE,DUST SUSP,PAIR=PGC53057,R=F
- 2895 PGC 53456 Lib Galaxy SB(s)cd: sp**
May 30 2014 36" 17mmT4 EF,MS,EDGE ON,NND,PA~0,TOOK AV WHILE,HARD TO HOLD,R=P
- 2928 PGC 54262 Ser Galaxy Sd sp**
May 30 2014 36" 17mmT4 EF,MS,EDGE ON,NND,PA~45,VF* ONE SIDE IN TIP,AV TOOK A WHILE,HOLDS,R=P
- 2936 PGC 54377 Boo Galaxy Scd:**
May 31 2014 36" 17mmT4 MF,MS,EDGE ON,UB,NND,PA~145,R=F
- 2946 NGC 5907 Dra H759-2 Galaxy SA(s)c: sp CB,VL,VME155,VGPSBMN**
Apr 23 2003 12.5" 9mmT6 VF,VL,EDGE ON,BNUC,MHISB,BEAUTIFUL,DUST LANE,CNTR BULGE,R=E
Jul 09 1983 12.5" 16mm MB,PS,EL,V EDGE ON,FNUC,PAIR/5905
Jul 22 1981 12.5" 16mm EXT EDGE ON,UB,EQ DUST LANE SEEN
Mar 27 1981 12.5" 24mm
Jul 14 1980 12.5" 24mm
Jul 11 1980 12.5" 24mm
Jun 20 1980 12.5" 24mm V IMPRESSIVE,VB,EL
- 2974 PGC 55057 Ser Galaxy Sbc**
May 28 2008 31" 17mmT4 MF,PL,EDGE ON,UB,NND,ONE EDGE THICKER THAN OTHER,R=F
- 2994 NGC 5965 Dra H762-2 Galaxy Sb CF,CL,LE**
Apr 23 2003 12.5" 9mmT6 PB,PL,EL,PATCH,UB,NND,SHISB,PAIR=5963,R=G
Jul 09 1983 12.5" 12mm MHISB IN CNTR
Jul 09 1983 12.5" 16mm MF,PL,EDGE ON,FNUC,SBM,TAPERED ENDS,PAIR/5963
- 3021 PGC 55821 Ser Galaxy Sc: sp**
May 30 2014 36" 17mmT4 MF,PL,EDGE ON,NND,PA~70,ONE SIDE BTR THAN OTHER,R=FG
- 3043 PGC 56094 Ser Galaxy Sbc**
Apr 09 2008 31" 17mmT4 VDIF,VF,PS,EDGE ON,UB,NND,R=P
- 3092 IC 1197 Ser Galaxy Scd:**
May 30 2014 36" 17mmT4 MF,PL,EDGE ON,UB,NND,PA~50,TAPERED ENDS,R=FG
- 3111 PGC 57582 Ser Galaxy Sc: sp**
May 30 2014 36" 17mmT4 PF,PL,EDGE ON,UB,NND,PA~90,V* OFF NUC,F* OUTER END,R=F
- 3114 PGC 57627 Her Galaxy Sc? sp**
May 30 2014 36" 17mmT4 MF,MS,EDGE ON,UB,NND,PA~0,TAPERED ENDS,KEEP B* OUT OF FOV,R=F

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- 3188 PGC 58960 Dra Galaxy Sb**
Jun 24 2003 12.5" 9mmT6 VDIF,EF,VL,*NUC,AV COMES AND GOES,*,R=P
- 3324 PGC 61300 Oph Galaxy Scd:**
Sep 28 2013 36" 17mmT4 PF,MS,EDGE ON,UB,NND,* IN OUTER THIRD,VF* OTHER SIDE,PA~0,R=F
- 3392 PGC 62231 Her Galaxy Sbc**
Sep 28 2013 36" 17mmT4 MF,MS,EDGE ON,UB,NND,PA~0,R=F
- 3470 PGC 63166 Dra Galaxy Scd:**
Sep 28 2013 36" 17mmT4 VF,MS,EDGE ON,PATCH,UB,NND,PA~70,R=F
- 3478 PGC 63286 Dra Galaxy Scd:**
Sep 28 2013 36" 17mmT4 VF,MS,EDGE ON,PATCH,UB,NND,PA~60,R=F
- 3507 PGC 63592 Sgr Galaxy Sc sp**
May 31 2014 36" 17mmT4 EF,VS,EDGE ON,PA~?,ONLY CNTR NUC DET WITH AV,AV HARD TO HOLD,R=P
- 3651 PGC 65506 Aqr Galaxy Sc sp**
Aug 03 2013 36" 17mmT4 PF,MS,EDGO ON,PA~0,SLT BULGE,VFNUC,R=PF
- 3793 PGC 67158 PsA Galaxy Sbc: sp**
Aug 03 2013 36" 17mmT4 MF,ML,EDGO ON,UB,NND,PA~0,2F**S ONE EDGE,* OTHER EDGE,SLT BULGE,R=F
- 3903 PGC 68345 PsA Galaxy Sc: sp**
Aug 03 2013 36" 17mmT4 PF,ML,EDGE ON,UB,PA~150,SMWHT CNTR BULGE,SMWHT BARREN FOV,R=PF
- 3911 PGC 68420 Peg Galaxy Scd:**
Aug 03 2013 36" 17mmT4 VF,MS,UB,NND,PA~35,2VF**S ONE TIP,R=P
- 3926 PGC 68617 Peg Galaxy Sbc**
Oct 30 2005 31" 17mmT4 VF,PL,EDGE ON,UB,NND,VF* IN TIP,SLIVER,NO CNTR BULGE,R=F
- 3935 PGC 68726 PsA Galaxy Scd:sp**
Aug 03 2013 36" 17mmT4 EF,PS,EDGE ON,UB,NND,PA~50,F* OFF SIDE OF TIP,PAIR=7259,AV TOOK A WHILE THEN HOLDS,R=P
- 4039 PGC 70175 Peg Galaxy Sdm:**
Aug 03 2013 36" 17mmT4 VF,ML,EDGE ON,UB,NND,PA~30,VF* ON EDGE,SLT CNTR BULGE,R=F
- 4081 PGC 70708 Psc Galaxy Sc:**
Sep 17 2009 31" 17mmT4 MF,ML,EDGE ON,FLNUC,CNTR BULGE,TAPERED ENDS,PAIR=7518,R=F
- 4083 PGC 70734 Peg Galaxy Sd**
Aug 03 2013 36" 17mmT4 MF,MS,EDGE ON,UB,NND,PA~150,CIGAR SHAPE,R=F
- 4106 PGC 71078 Peg Galaxy Scd:**
Aug 03 2013 36" 17mmT4 MF,MS,EDGE ON,UB,NND,PA~90,CNTR THICKNESS,SLT CNTR BULGE,R=F

Total: 170