

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,SLIGHT BULGE,PA~50,R=G	
102	PGC 1665	Psc	Galaxy Scd:
Nov 17 2012 36"	17mmT4	MF,MS,OVAL,UB,NND,SLIGHT BULGING,PA~15,R=FG	
124	PGC 1942	ScI	Galaxy Sc sp
Dec 12 2012 36"	17mmT4	PF,MS,EDGO ON,PATCH,NND,SOMEWHAT CENTRAL BULGE,PA~90,R=PF	
152	PGC 2458	And	Galaxy Scd:
Dec 12 2012 36"	17mmT4	MF,ML,NND,PA~70,SOMEWHAT A CENTRAL 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 CENTRAL BULGE,R=P	
179	PGC 2805	Cet	Galaxy SBd pec sp
Dec 12 2012 36"	17mmT4	PF,MS,EDGE ON,SBNUC,PA~20,SLIGHT CENTRAL BULGE,GRAD MBM,R=F	
206	PGC 3133	Psc	Galaxy S?
Dec 12 2012 36"	17mmT4	MB,ML,EDGE ON,SMALL BNUC,PA~170,F* OFF TIP,GRAD MBM, SLIGHT 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,SLIGHT 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,SLIGHT 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,SMALL FNUC,PA~170,F* OFF NUC,SLIGHT 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,SLIGHTLY TAPPERED,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,SLIGHT TAPPING,SLIGHTLY CENTRAL 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,BETWEEN 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 CENTRAL 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 TAPPED,SOMEWHAT A CENTRAL BULGE,PAIR=IC1815,R=G	
Nov 17 2012	36"	17mmT4	MB,ML,EDGE ON,UB,NND,PAIR=IC1815,SLIGHTLY CENTRAL BULGE,*OFF TIP,PA~45,R=FG	
Dec 19 2006	31"	17mmT4	PB,VL,EDGE ON,UB,NND,VF* OUTSIDE NUC,CENTRAL BULGE,TAPPED 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 GAL,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,MOD HISB,* 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,SOMEWHAT HISB,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,LARGE FNUC,VF* CLOSE TO NUC,SLIGHT CENTRAL 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,SMALL FNUC,SLIGHT CENTRAL BULGE,TAPPED 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 GAL,R=P	

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910	IC	2098	Eri	Galaxy Scd: sp	
Nov 17 2012	36"	17mmT4	MF,MS,EDGE ON,NND,THIN SLIVER,SLIGHT CENTRAL 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,VARIOUS 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,LFNUC,SLIGHT TAPPERING ON ENDS,SOMEWHAT MOD HISB MIDDLE,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,TAPPERED 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,TAPPERED ENDS,PA~120,R=G		
Jan 08 2003	12.5"	9mmT6	VDIF,PF,ML,EDGE ON,UB,NND,POPS IN AND OUT WITH AVERTED VISION		
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 MIDDLE,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,CENTRAL BULGE,MOD HISB MIDDLE,TAPPERED ENDS,PA~90,R=FG		
Dec 07 2005	31"	17mmT4	VB,VL,EDGE ON,SMALL BNUC,CENTRAL BULDGE,MOD HISB MIDDLE,R=E		
1263	IC	2207	Gem	Galaxy Scd:	
Nov 17 2012	36"	17mmT4	VF,MS,EDGE ON,FNUC,VF* BOTH TIPS,CENTRAL BULGE,R=F		
Jan 20 2004	31"	17mmT4	MF,PL,EDGE ON,NND,F* IN CENTRAL REGION,CENTRAL BULGE,R=F		
1265	PGC	21970	Lyn	Galaxy Sd	
Nov 17 2012	36"	17mmT4	MF,MS,EDGE ON,UB,NND,SLIGHTLY TAPPERED 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,VERY 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,LBNUC,* OFF NUC,TAPPERED ENDS,MOD HISB MIDDLE,PA~100,R=F		
1312	PGC	22640	Cam	Galaxy Sbc	
Nov 17 2012	36"	17mmT4	PF,MS,EDGE ON,UB,NND,TAPPERED,SLIGHT BULGE,PA~90,R=F		

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- 1339 PGC 23069 Lyn Galaxy Scd:**
Nov 17 2012 36" 17mmT4 VF,MS,EDGE ON,UB,NND,TAPPERED,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 BRTER THAN OTHER,TAPPERED,PA~180,R=G
Nov 24 2003 31" 17mmT4 MF,VL,EDGE ON,UB,NND,* IN EDGE,CENTRAL BULGE SLIGHTLY DET,R=E
- 1421 PGC 24479 Pyx Galaxy SBd?sp**
Feb 09 2013 36" 17mmT4 MB,ML,EDGE ON,UB,NND,PA~90,SLIGHT CENTRAL 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,SLIGHT CENTRAL 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 CENTRAL 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,SLIGHT CENTRAL BULGE,PAIR=MAC,R=F
- 1500 PGC 25886 Hya Galaxy SAB(rs)b: sp**
Feb 09 2013 36" 17mmT4 MB,ML,EDGE ON,LFNUC,PA~30,* OFF NUC,2F**S OFF EDGE SIDE,SHISB MIDDLE,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 GAL APPEARS,SOME PATCHES IN ARMS,R=F
- 1528 IC 2461 Lyn Galaxy Sb**
Dec 26 2003 31" 17mmT4 MF,MS,EDGE ON,LARGE FNUC,TAPPERED 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,SOMEWHAT HISB,PAIR/IC2458/2814
- 1603 PGC 27681 Leo Galaxy Sb**
Feb 09 2013 36" 17mmT4 VF,MS,EDGE ON,SFNUC,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 GAL,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,SLIGHTLY TAPPERED ENDS,HISB BUILDS TOWARDS MIDDLE,R=E
- 1670 PGC 28700 Leo Galaxy Scd:**
Feb 09 2013 36" 17mmT4 MF,MS,EDGE ON,UB,PA~45,SLIGHTLY GRADUALLY CENTRAL BULGE,R=F
- 1682 IC 2531 Ant Galaxy Sc: sp**
Feb 09 2013 36" 17mmT4 MF,ML,EDGE ON,LFNUC,PA~80,SLIGHT CENTRAL BULGE,TAPPERED 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

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- 1712 PGC 29229 UMa Galaxy Sdm:**
Feb 09 2013 36" 17mmT4 EF,ES,PATCH,PA~?,FAINT PATCH SUSP,R=P
- 1727 PGC 29472 UMa 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
- 1743 PGC 29698 Leo Galaxy Scd:**
Feb 09 2013 36" 17mmT4 MF,MS,EDGE ON,LFNUC,PA~100,TAPPERED 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 BRT BLUE LOOKING PN IN NUC REGION,AV TO DETECT DIR OF GAL,R=P
- 1796 NGC 3245A LMi Galaxy SB(s)b sp**
Jan 24 2004 31" 17mmT4 VDIF,EF,VL,EDGE ON,UB,NND,ONLY CENTRAL REGION 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,SLIGHTLY TAPPERED 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,CENTRAL 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* BETWEEN PAIR,PAIR=3455,SLIGHTLY TAPPERED 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,SLIGHT BULGE IN CENTER
- 2022 PGC 34869 UMa Galaxy Sd**
Jan 29 2014 36" 17mmT4 PF,MS,EDGE ON,PA~135,NND,VERY THIN SLIVER,TAPPERED ENDS,SHARP,R-F
- 2083 PGC 35991 Leo Galaxy Sd**
Mar 16 2010 31" 17mmT4 PF,ML,EDGE ON,NND,SOME CENTRAL BULGING,R=F
- 2085 PGC 36026 CrI Galaxy Sc: sp**
Apr 19 2014 36" 17mmT4 MF,ML,EDGE ON,UB,NND,PA~10,THIN SLIVER, LITTLE 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,SOMEWHAT THICKER IN PARTS,NND,R=P
- 2126 PGC 36973 UMa Galaxy Scd:**
Jan 29 2014 36" 17mmT4 VF,MS,EDGE ON,PA~150,UB,NND,PAIR=3917,R=P
- 2162 PGC 37906 Crv Galaxy Sdm?sp**

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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,SLIGHTLY THICKER IN MIDDLE,R=F		
2182	PGC	38347	Cam		Galaxy Sb	
Apr 26 2014	36"	17mmT4	PF,PS,EDGE	ON,NND,PA~75,* JUST OF NUC,SOMEWHAT THICKER IN MIDDLE,SLIGHTLY HISB,R=F		
2197	PGC	38567	CVn		Galaxy Sm	
Apr 26 2014	36"	17mmT4	MF,MS,EDGE	ON,UB,NND,PA~90,TAPPERED ENDS,MUCH THICKER IN MIDDLE,* 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 MIDDLE,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,MOD HISB,DUST LANE SUSP,RES 7331,CENTRAL BULGE,R=E		
2216	NGC	4171	Com		Galaxy SBd:	F,S,2ND OF 4
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			
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,TAPPERED/SHARP ENDS,SOMEWHAT HISB,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,TAPPERED ENDS,R=FG		
2242	IC	3099	Vir		Galaxy Scd?	
Apr 19 2014	36"	17mmT4	VF,PS,EDGE	ON,UB,VF* OFF CENTER OF GAL,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,TAPPERED 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,SOMEWHAT CENTRAL 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*,SOMEWHAT SLIGHT BULGE IN MIDDLE,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		

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2270	NGC 4330	Vir		Galaxy Scd?	VF,L,ME
May 30 2014	36"	17mmT4	MB,ML,EDGE	ON,NND,PA~70,SOMEWHAT HISB,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,SOMEWHAT HISB,* JUST OF NUC,TAPPERED ENDS,R=FG	
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,SLIGHT CENTRAL BULGE,TAPPERED ENDS,R=FG	
2285	PGC 40621	Vir		Galaxy Scd:	
May 30 2014	36"	17mmT4	MF,MS,EDGE	ON,NND,PA~120,* IN EDGE,SOMEWHAT HISB,R=F	
2313	IC 3474	Vir		Galaxy Sd sp	
May 30 2014	36"	17mmT4	PF,MS,EDGE	ON,NND,PA~40,R=PF	
2315	NGC 4437	Vir	H5-4	Galaxy SA(s)cd: sp	F,EE75,*10NF
May 30 2014	36"	17mmT4	MB,EL,EDGE	ON,NND,PA~90,EDGE TO EDGE IN EYEPIECE	
				FOV,SHISB,GRANULAR,DUST,BROKEN PARTS,SOMEWHAT CENTRAL BULGE,R=G	
May 01 1981	12.5"	24mm	PF,EL,EDGE	ON,FARM	
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 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,TAPPERED 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			
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,TAPPERED,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,ELONG,STELL	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,TAPPERED 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	

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2411	PGC	43863	Com		Galaxy Sb	
May 31 2014	36"	17mmT4	MB,ML,EDGE	ON,UB,NND,PA~90,SOMEWHAT	BM,TAPPERED ENDS,R=FG	
2425	PGC	44254	Vir		Galaxy Sb pec sp	
May 30 2014	36"	17mmT4	MF,MS,EDGE	ON,NND,PA~120,CENTRAL 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,SLIGHT CENTRAL BULGE,	SOMEWHAT B IN MIDDLE,R=F	
2443	PGC	44961	UMa		Galaxy Sd	
May 31 2014	36"	17mmT4	MF,PL,EDGE	ON,UB,NND,PA~20,F* OFF NUC,	TAPPERED ENDS,R=F	
2444	PGC	45006	Vir		Galaxy Sc: sp	
May 31 2014	36"	17mmT4	VF,MS,EDGE	ON,NND,PA~45,TAPPERED,	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,	VERY 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,	TAPPERED 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,LBNUC,PA~120,CENTRAL BULGE,	TAPPERED ENDS,HISB MIDDLE,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,CENTRAL THICKNESS,	TAPPERED ENDS,R=E	
2595	PGC	47784	Vir		Galaxy Sb	
May 30 2014	36"	17mmT4	MF,PS,EDGE	ON, NND,PA~120,TAPPERED 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,CENTRAL REGION BRT,	TAPPERED 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,	SM GRANULAR,R=G	
2742	NGC	5526	UMa	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	
2747	NGC	5529	Boo	H414-3	Galaxy Sc: sp	CF,PL,VME110,VGVMBM

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- 2747 NGC 5529 Boo H414-3 Galaxy Sc: sp CF,PL,VME110,VGVMBM**
 Mar 26 2006 31" 17mmT4 PB,VL,EDGE ON,UB,NND,LARGE CENTRAL REG,SLIGHT BULGE IN MIDDLE,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,SLIGHT CENTRAL 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**
 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 CENTRAL BULGE,SOMEWHAT HISB,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,LARGE FNUC,CENTRAL BULDGE,DUST SUSP,PAIR=PGC53057,R=F
- 2895 PGC 53456 Lib Galaxy SB(s)cd: sp**
 May 30 2014 36" 17mmT4 EF,MS,EGE 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,MOD HISB,BEAUTIFUL,DUST LANE,CENTRAL BULGE,R=E
 Jul 09 1983 12.5" 16mm MB,PS,ELONG,VERY 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 VERY IMPRESSIVE,VB,ELONG
- 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,ELONG,PATCH,UB,NND,SOMEWHAT HISB,PAIR=5963,R=G
 Jul 09 1983 12.5" 12mm MOD HISB IN MIDDLE
 Jul 09 1983 12.5" 16mm MF,PL,EDGE ON,FNUC,SBM,TAPPED ENDS,PAIR/5963
- 3021 PGC 55821 Ser Galaxy Sc: sp**

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- 3021 PGC 55821 Ser Galaxy Sc: sp**
May 30 2014 36" 17mmT4 MF,PL,EDGE ON,NND,PA~70,ONE SIDE BRTER 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,TAPPERED 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,TAPPERED ENDS,KEEP B* OUT OF FOV,R=F
- 3188 PGC 58960 Dra Galaxy Sb**
Jun 24 2003 12.5" 9mmT6 VDIF,EF,VL,*NUC,AV COMES AND GOES,STELLAR,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 CENTRAL NUC DETECTED 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,SLIGHT BULGE,VERY FAINT NUC,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,SLIGHT BULGE,R=F
- 3903 PGC 68345 PsA Galaxy Sc: sp**
Aug 03 2013 36" 17mmT4 PF,ML,EDGE ON,UB,PA~150,SOMEWHAT CENTRAL BULGE,SOMEWHAT 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 CENTRAL 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,SLIGHT CENTRAL BULGE,R=F
- 4081 PGC 70708 Psc Galaxy Sc:**

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4081 PGC 70708 Psc

Galaxy Sc:

Sep 17 2009 31" 17mmT4 MF,ML,EDGE ON,LARGE FNUC,CENTRAL BULGE,TAPPERED 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,CENTRAL THICKNESS,SLIGHT CENTRAL BULGE,R=F

Total: 172