

## Andromeda - Daughter of Cassiopeia

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 5372		Non-Existent		
IC 1530		Non-Existent		
NGC 19		Non-Existent		
NGC 44		Non-Existent		
NGC 6		Non-Existent		
NGC 67A		Non-Existent		
IC 1539		Non-Existent		NGC 70
NGC 82		Non-Existent		
NGC 85B		Non-Existent		
NGC 537	H170-3	Non-Existent		
IC 1665		Non-Existent		(STAR)
NGC 317		Non-Existent		
IC 1580		Non-Existent		(STAR)
NGC 162		Non-Existent		STAR
IC 24		Non-Existent		(STAR)
NGC 90		Non-Existent		
IC 1547		Non-Existent		
NGC 85A		Non-Existent		
IC 240		Non-Existent		NGC 999
NGC 846		Non-Existent		NGC 847
IC 1737		Non-Existent		
IC 1707		Non-Existent		
IC 1545		Non-Existent		
IC 1538		Non-Existent		

**Sub Total: 24**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 43		Glxy SABc	13.9	UGC 448 MCG 5-2-40 CGCG 500-72 IRAS 396+2922 PGC 2536
IC 1525		Glxy SBb	13	UGC 12883 MCG 8-1-16 CGCG 548-20 CGCG 549-11 IRAS 23567+4636 PGC 73150
IC 239		Glxy SAB(rs)cd	11.8	UGC 2080 MCG 6-6-65 CGCG 523-71 IRAS 2333+3845 PGC 9899
IC 45		Glxy Pec	15.4	UGC 449 MCG 5-2-39 CGCG 500-73 PGC 2537
IC 65		Glxy SAB(s)bc	13.6	UGC 625 MCG 8-3-5 CGCG 551-4 IRAS 580+4724 PGC 3635
IC 178		Glxy Sab	14.1	UGC 1456 MCG 6-5-70 CGCG 522-94 IRAS 1559+3625 PGC 7488
IC 179		Glxy E	13.6	UGC 1475 MCG 6-5-75 CGCG 522-101 PGC 7581
IC 46		Glxy S0?	14.8	CGCG 479-63 KARA32 PGC 2575
NGC 7440		Glxy SB(r)a	14.4	UGC 12276 MCG 6-50-14 MK 924 CGCG 515-15 PGC 70152
NGC 7445		Glxy E/S0	15.6	MCG 6-50-15 CGCG 515-16 PGC 70178
NGC 7446		Glxy	15.4	CGCG 515-17 PGC 70185
NGC 7449		Glxy E:	15	UGC 12292 MCG 6-50-16 CGCG 515-18 PGC 70196
NGC 7686	H69-8	Open Cl 7.0 III 2 p	5.6	
NGC 7831		Glxy Sb: sp	13.6	IC 1530 PGC 569 UGC 60 MCG 5-1-32 CGCG 499-50 CGCG 498-78 ARAK2 IRAS 47+3219
PGC 18		Glxy S	14.6	MCG 8-1-19 CGCG 549-14 CGCG 548-23
PGC 77		Glxy SAB a:	15.7	MCG 6-1-4 CGCG 517-11 CGCG 518-6

## Andromeda - Daughter of Cassiopeia

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 731		Glxy Scd:	15.5	UGC 95 MCG 5-1-43 CGCG 499-62
PGC 1138		Glxy S?	15.3	MCG 5-1-61 CGCG 499-99
PGC 921		Glxy S?	14.7	UGC 130 CGCG 499-83
PGC 835		Glxy S?	15.4	CGCG 499-74 KUG 9+276A
PGC 816		Glxy SBb:	14.8	UGC 108 MCG 5-1-51 CGCG 499-72
PGC 791		Glxy (R')SAB(s)0+	14.6	UGC 105 MCG 5-1-50 CGCG 499-71
PGC 768		Glxy C	15.7	CGCG 499-67
PGC 762		Glxy SB?	16.1	MCG 5-1-47 CGCG 499-68
PGC 748		Glxy S0	15.2	UGC 97 MCG 5-1-45 CGCG 499-64
PGC 739		Glxy C	16.5	KUG 7+275
PGC 1625		Glxy S0?	15.5	Hickson 1B
PGC 1618		Glxy L	16.9	Hickson 1D
PGC 1614		Glxy S?	15.9	Hickson 1C
PGC 1539		Glxy S	16.5	MCG 6-2-3
PGC 1396		Glxy	15.7	CGCG 479-12
PGC 1266		Glxy	15	MCG 5-1-73
PGC 1183		Glxy	15.6	CGCG 499-103
PGC 1163		Glxy	15.9	CGCG 499-101
PGC 1154		Glxy Scd:	14.9	UGC 166 MCG 5-1-62 CGCG 499-100
PGC 2888		Glxy S?	16.2	MCG 4-3-7 CGCG 480-10 VV 521 Hickson 8B
PGC 2886		Glxy S?	15.2	MCG 4-3-8 CGCG 480-10 4ZW32 VV 521 Hickson 8A
PGC 2773		Glxy S	16.9	MCG 4-3-3
PGC 2736		Glxy	15.4	CGCG 501-7 CGCG 500-88
PGC 2605		Glxy C	14.7	MCG 4-2-50 CGCG 479-65
PGC 2562		Glxy S?	15.8	MCG 4-2-47 CGCG 479-61
PGC 2458		Glxy Scd:	14.6	UGC 433 MCG 5-2-38 CGCG 500-67 IRAS 383+3127
PGC 1628		Glxy	15.9	CGCG 479-30
PGC 1627		Glxy S?	14.9	UGC 248 MCG 4-2-18 CGCG 479-29 VV 622 Hickson 1A
PGC 8351		Glxy S	15.2	UGC 1673 MCG 6-5-98 CGCG 522-129 IRAS 2079+3735
PGC 8161		Glxy SAB(rs)c	14.1	UGC 1626 MCG 7-5-18 CGCG 538-25 ARP 74
PGC 7381		Glxy S0/a	15.2	UGC 1434 MCG 6-5-64 CGCG 522-84 IRAS 1546+3600
PGC 7006		Glxy S0-:	14.1	UGC 1353 MCG 6-5-36 CGCG 522-46 6ZW93
PGC 6977		Glxy SB(r)b	14.2	UGC 1350 MCG 6-5-34 CGCG 522-42
PGC 6974		Glxy		
PGC 6961		Glxy SAB(rs)c	12.8	UGC 1347 MCG 6-5-32 CGCG 522-38 ANON 149+36 KUG 149+363
PGC 6948		Glxy (R)SBa	13.6	UGC 1344 MCG 6-5-27 CGCG 522-35
PGC 6945		Glxy C	15.6	CGCG 522-33
PGC 9683		Glxy E	15.2	UGC 2006 MCG 7-6-31 CGCG 539-43
PGC 9357		Glxy S?	15.2	MCG 7-6-23 MK 1176 CGCG 539-31 IRAS 2244+4146
PGC 9348		Glxy S	15.7	MCG 7-6-21 CGCG 539-29
PGC 9312		Glxy	15.7	CGCG 539-26
PGC 9307		Glxy	15.3	CGCG 539-25
PGC 9301		Glxy S?	14.9	MCG 7-6-20 CGCG 539-24
PGC 9203		Glxy C	15.6	CGCG 539-18
PGC 9196		Glxy C	15.6	CGCG 539-15

## Andromeda - Daughter of Cassiopeia

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 9180		Glxy SBa	14.8	UGC 1866 MCG 7-6-11 CGCG 538-66 CGCG 539-12
PGC 73197		Glxy S	16.5	KUG 2357+326
PGC 73195		Glxy Scd:	14.6	UGC 12888 MCG 8-1-17 CGCG 548-21 CGCG 549-12
PGC 71115		Glxy SBb	15.4	UGC 12524 MCG 7-47-15 CGCG 532-16 IRAS 23177+4241
PGC 71014		Glxy E:	14.9	UGC 12491 MCG 7-47-11 CGCG 532-11
PGC 70226		Glxy SBab	14.9	UGC 12298 MCG 6-50-17 CGCG 515-19
PGC 10025		Glxy SABdm?	14.9	UGC 2126 MCG 7-6-46 CGCG 539-65
PGC 9849		Glxy Sdm:	17.5	UGC 2068
PGC 9848		Glxy SB	17.6	MCG 7-6-40
PGC 9152		Glxy SB	15.4	UGC 1858 MCG 7-6-10 CGCG 538-62 CGCG 539-8
PGC 9151		Glxy	15.7	CGCG 539-9 CGCG 538-63
PGC 9108		Glxy E/U	14.9	MCG 7-6-6 CGCG 539-6 CGCG 538-60
PGC 9101		Glxy	15.7	CGCG 539-5 CGCG 538-59
PGC 9062		Glxy Pec	13.8	UGC 1840 MCG 7-6-2 CGCG 538-56 CGCG 539-2 5ZW229 ARP 145 ANON 220+41B
PGC 9060		Glxy Ring A		ANON 220+41A ARP 145
PGC 8970		Glxy SB	15.1	UGC 1813 MCG 6-6-24 CGCG 523-29 VV 323 ARP 273 ANON 218+39B
PGC 8961		Glxy SA(s)b pec	13.4	UGC 1810 MCG 6-6-23 CGCG 523-28 5ZW223 VV 323 ARP 273 ANON 218+39A
PGC 6928		Glxy S0?	15.2	CGCG 522-30
PGC 6911		Glxy S+	15.5	MCG 6-5-24 CGCG 522-25
PGC 6899		Glxy C	17	6ZW75
PGC 6886		Glxy Spiral	15.6	MCG 6-5-21
PGC 6875		Glxy C	16	5ZW126
PGC 6865		Glxy S?	14.5	UGC 1319 MCG 6-5-20 CGCG 522-24 IRAS 1485+3549 KUG 148+358
PGC 6845		Glxy C	17.9	6ZW67
PGC 6807		Glxy E	13.8	UGC 1308 MCG 6-5-17 CGCG 522-22
PGC 6768		Glxy C	16.2	5ZW118
PGC 6758		Glxy C	16	5ZW116
PGC 6725		Glxy S	16	KUG 146+359
PGC 6685		Glxy	15.7	CGCG 522-12
PGC 5796		Glxy	15.4	CGCG 537-12
PGC 5589		Glxy Scd:	13.9	UGC 1070 MCG 7-4-2 CGCG 537-7 IRAS 1270+4042
PGC 5518		Glxy Sc	16.4	UGC 1054 KUG 125+340
PGC 4901		Glxy Sc	14.5	MCG 7-3-31 IRAS 1183+4012
PGC 4879		Glxy S0?	14.4	UGC 878 MCG 6-4-3 CGCG 521-4
PGC 4878		Glxy Sc	15	MCG 7-3-29 CGCG 536-30 IRAS 1181+4011
PGC 4355		Glxy SAB(rs)c	14.3	UGC 755 MCG 6-3-21 CGCG 520-23
PGC 3448		Glxy Sb	15.1	MCG 7-3-11 CGCG 536-14 IRAS 548+4325 ANON 54+43
PGC 3420		Glxy S?	15	UGC 591 MCG 4-3-23 MK 350 CGCG 480-25 ANON 54+23
PGC 3302		Glxy Spiral	15.5	MCG 4-3-17 CGCG 480-21 4ZW34
PGC 2892		Glxy S?	16.2	Hickson 8D
PGC 2890		Glxy S?	16.1	MCG 4-3-9 CGCG 480-10 VV 521 Hickson 8C
PGC 91		Glxy SBab	15.1	UGC 12904 MCG 6-1-5 CGCG 518-7 CGCG 517-12
PGC 71		Glxy S	15.7	MCG 6-1-3 CGCG 517-11 CGCG 518-6
NGC 7836		Glxy I?	14.4	UGC 65 MK 336 CGCG 499-51 CGCG 498-79 IRAS 54+3247 KUG 5+327 PGC 608

## Andromeda - Daughter of Cassiopeia

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 7707	H579-3	Glxy S0-:	14.4	UGC 12683 MCG 7-48-12 CGCG 533-14 PGC 71798
NGC 7662	H18-4	PI Neb 4+3	9.2	Blue Snowball PK 106-17.1
NGC 7640	H600-2	Glxy SB(s)c	11.9	UGC 12554 MCG 7-48-2 CGCG 532-17 CGCG 533-1 IRAS 23197+4034 PGC 71220
NGC 7618		Glxy E	14	UGC 12516 MCG 7-47-13 CGCG 532-14 PGC 71090
NGC 937		Glxy SBcd?	14.9	UGC 1961 MCG 7-6-24 CGCG 539-32 PGC 9480
NGC 946		Glxy S0:	14.2	UGC 1979 MCG 7-6-26 CGCG 539-34 PGC 9556
NGC 956		Open Cl 9.0 IV 2 m	8.9	
NGC 980	H572-3	Glxy S0	14	UGC 2066 MCG 7-6-39 CGCG 539-56 IRAS 2322+4039 PGC 9838
NGC 982	H573-3	Glxy Sa	13.4	UGC 2063 MCG 7-6-38 CGCG 539-54 PGC 9831
NGC 996		Glxy E	14	UGC 2123 MCG 7-6-45 CGCG 539-64 PGC 10015
NGC 1000		Glxy C	15.3	MCG 7-6-48 CGCG 539-67 PGC 10028
NGC 999		Glxy (R')SAB(s)a	14.4	IC 240 UGC 2127 MCG 7-6-47 CGCG 539-66 PGC 10026
NGC 995		Glxy S0	14.4	UGC 2118 MCG 7-6-44 CGCG 539-63 PGC 10008
IC 1534		Glxy S0	14.8	UGC 125 MCG 8-1-28 CGCG 549-25 5ZW6 PGC 910
IC 1535		Glxy S	15.1	UGC 131 MCG 8-1-30 CGCG 549-26 PGC 922
IC 1540		Glxy SBb	14.9	UGC 186 MCG 4-1-50 CGCG 478-54 PGC 1276
IC 1536		Glxy E/S0	15.4	MCG 8-1-32 MK 939 CGCG 549-28 PGC 949
IC 1541		Glxy	15.5	CGCG 478-55 PGC 1287
IC 1543		Glxy S?	14.3	UGC 198 MCG 4-2-2 CGCG 479-2 IRAS 183+2135 PGC 1333
IC 1546		Glxy S?	15.6	MCG 4-2-8 CGCG 479-10 PGC 1382
IC 1548		Glxy C	15.6	CGCG 479-14 PGC 1407
IC 1550		Glxy S0	15.1	MCG 6-2-2 CGCG 519-8 PGC 1533
IC 1732		Glxy S?	14.9	UGC 1307 MCG 6-5-16 CGCG 522-21 PGC 6805
IC 1683		Glxy S?	14.2	UGC 916 MCG 6-4-8 MK 987 CGCG 521-10 IRAS 1197+3410 KUG 119+341 PGC 5008
IC 1675		Glxy S R	14.5	UGC 879 MCG 6-4-4 CGCG 521-5 PGC 4876
IC 1647		Glxy Sc	15.2	MCG 6-3-24 CGCG 520-27 PGC 4390
IC 1586		Glxy	14.9	MK 347 CGCG 480-6 3ZW12 IRAS 452+2205 PGC 2813
IC 1585		Glxy C	15.5	MCG 4-3-2 CGCG 480-5 PGC 2764
IC 1584		Glxy SB?	14.5	UGC 489 MCG 5-3-4 CGCG 501-14 PGC 2766
IC 1583		Glxy C	15.2	MCG 4-3-1 CGCG 480-4 ARAK13 PGC 2760
MAC 0008+3259		Glxy	15.5	
MAC 0008+3258		Glxy	16	
MAC 0000+3250		Glxy	16	
IC 5376		Glxy Sab	14.6	UGC 12909 MCG 6-1-7 CGCG 517-13 CGCG 518-8 KAZ239 PGC 102
IC 5373		Glxy Sb	15.1	CGCG 499-31 CGCG 498-59 KAZ234 PGC 36
IC 5371		Glxy S	15	MCG 5-1-19 CGCG 499-30 CGCG 498-58 PGC 24
IC 5370		Glxy S0/a	14.9	MCG 5-1-18 CGCG 499-28 CGCG 498-56 PGC 5
IC 5369		Glxy	15.2	CGCG 499-27 CGCG 498-55 PGC 73190
IC 5355		Glxy SBcd:	14.4	UGC 12781 MCG 5-56-6 CGCG 498-11 IRAS 23447+3230 KARA1039 KUG 2344+325 PGC 72397
MAC 0151+3602A		Glxy	16.5	
MAC 0151+3602		Glxy	16	
MAC 0150+3624		Glxy	16.5	
MAC 0150+3620		Glxy	16	
MAC 0150+3616B		Glxy	16	

## Andromeda - Daughter of Cassiopeia

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Object	Her	Type	Mag	Alias/Notes
MAC 0150+3608		Glxy	16	
MAC 0150+3545		Glxy	15.5	
MAC 0150+3538		Glxy	16.5	
MAC 0149+3600		Glxy	16	
MAC 0225+4145		Glxy	16.5	
MAC 0225+4134		Glxy	16	
MAC 0224+4204		Glxy	16	
MAC 0224+4154		Glxy	16	
MAC 0224+4136		Glxy	15.5	
MAC 0224+4130		Glxy	16	
MAC 0223+4159B		Glxy	16	
MAC 0223+4140		Glxy	16.5	
MAC 0208+4128		Glxy	16	
MAC 0148+3602		Glxy	16.5	
MAC 0136+3538		Glxy	17	
MAC 0125+3444		Glxy	16	
MAC 0052+2419		Glxy	15.5	
MAC 0052+2418		Glxy	16	
MAC 0049+2335A		Glxy	16	
MAC 0049+2334		Glxy	16.5	
MAC 0048+3158		Glxy	16.5	
MAC 0048+3157		Glxy	16	
MAC 0043+3033		Glxy	16	
MAC 0021+2201		Glxy	16.5	
MAC 0021+2159		Glxy	16	
MAC 0013+3058		Glxy	17	
MAC 0010+3259		Glxy	16.5	
MAC 0009+3316		Glxy	15.5	
MAC 0008+3301		Glxy	17	
MAC 0226+4209		Glxy	16	
MAC 0226+4202		Glxy	16	
MAC 0226+4151		Glxy	16	
MAC 0226+4143		Glxy	15.5	
MAC 0225+4208		Glxy	15	
MAC 0225+4150		Glxy	15.5	
MAC 0225+4146		Glxy	15.5	
MAC 0151+3651		Glxy	16	
MAC 0151+3649		Glxy	15.5	
NGC 464		Glxy		PGC 4721
NGC 431		Glxy SB0	13.9	UGC 776 MCG 5-4-2 CGCG 502-8 CGCG 501-132 PGC 4437
NGC 425		Glxy S?	13.6	UGC 758 MCG 6-3-23 CGCG 520-26 IRAS 1102+3830 PGC 4379
NGC 404	H224-2	Glxy SA(s)0-:	11.2	UGC 718 MCG 6-3-18 CGCG 520-20 IRAS 1066+3527 PGC 4126
NGC 393	H54-1	Glxy S0-:	13.6	UGC 707 MCG 6-3-15 CGCG 520-18 5ZW52 PGC 4061
NGC 389		Glxy S0	14.8	UGC 703 MCG 6-3-14 CGCG 520-17 PGC 4054
NGC 317B		Glxy SB?	13.9	UGC 594 MCG 7-3-10 CGCG 536-13 5ZW42 PGC 3445

## Andromeda - Daughter of Cassiopeia

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 317A		Glxy S?	14.3	UGC 593 MCG 7-3-9 5ZW42 IRAS 548+4331 PGC 3442
NGC 304		Glxy S?	14	UGC 573 MCG 4-3-18 CGCG 480-23 PGC 3326
NGC 280	H477-3	Glxy SB?	14.2	UGC 534 MCG 4-3-13 CGCG 480-17 IRAS 498+2404 PGC 3076
NGC 272		Open Cl 9.0 asterism	8.5	
NGC 262		Glxy SA(s)0/a:	13.9	UGC 499 MCG 5-3-8 MK 348 CGCG 501-20 IRAS 461+3141 PGC 2855
NGC 260		Glxy Scd pec:	14.2	UGC 497 MCG 4-3-6 CGCG 480-9 IRAS 458+2725 PGC 2844
NGC 258		Glxy Sb	15.6	MCG 4-3-5 PGC 2829
NGC 252	H609-2	Glxy (R)SA(r)0+:	13.4	UGC 491 MCG 4-3-4 CGCG 480-7 IRAS 453+2721 PGC 2819
NGC 243		Glxy S0?	14.6	MCG 5-2-43 CGCG 500-82 CGCG 501-1 PGC 2687
NGC 233	H149-3	Glxy E?	13.4	UGC 464 MCG 5-2-41 CGCG 500-78 PGC 2604
NGC 229		Glxy Sab	14.7	MCG 4-2-49 CGCG 479-64 PGC 2577
NGC 228		Glxy (R)SB(r)ab	14.6	UGC 458 MCG 4-2-48 CGCG 479-62 IRAS 401+2313 PGC 2563
NGC 226		Glxy S?	14.3	UGC 459 CGCG 500-76 IRAS 402+3218 PGC 2572
NGC 224		Glxy SA(s)b	4.4	M 31 Great Nebula in Andromeda FAIR627 PGC 2557
NGC 221		Glxy cE2	9	M 32 8ZW2 PGC 2555
NGC 218		Glxy S?	15	UGC 440 MCG 6-2-13 CGCG 519-17 PGC 2493
NGC 214	H209-2	Glxy SAB(r)c	13	UGC 438 MCG 4-2-44 CGCG 479-59 IRAS 387+2513 PGC 2479
NGC 206	H36-5	Knt in Glxy		
NGC 205	H18-5	Glxy E5 pec	8.9	M 110 UGC 5 MCG 0-1-21 CGCG 382-21 IRAS 5-211 KARA1 PGC 2429
NGC 184		Glxy S0/a	15.6	CGCG 500-59 PGC 2309
NGC 183		Glxy E	13.7	UGC 387 MCG 5-2-35 CGCG 500-57 PGC 2298
NGC 181		Glxy S?	15.5	MCG 5-2-32 CGCG 500-55 PGC 2287
NGC 169		Glxy SA(s)ab: sp	13.2	UGC 365 MCG 4-2-35 CGCG 479-44 ARP 282 IRAS 342+2342 PGC 2202
NGC 160	H476-3	Glxy (R)SA0+ pec	12.6	UGC 356 MCG 4-2-33 CGCG 479-43 PGC 2154
NGC 149		Glxy S0:	14.7	UGC 332 MCG 5-2-24 CGCG 500-44 PGC 2028
NGC 140		Glxy Scd:	13.9	UGC 311 MCG 5-2-21 CGCG 500-38 IRAS 287+3031 PGC 1916
NGC 112		Glxy S?	14.5	UGC 255 MCG 5-2-13 CGCG 500-21 IRAS 241+3125 KAZ24 PGC 1654
NGC 109		Glxy SB(r)a	14.7	UGC 251 MCG 4-2-20 CGCG 479-31 PGC 1633
NGC 108	H148-3	Glxy (R)SB(r)0+	13.1	UGC 246 MCG 5-2-12 CGCG 500-20 PGC 1619
NGC 97		Glxy E:	13.3	UGC 216 MCG 5-2-7 CGCG 500-9 PGC 1442
NGC 96		Glxy L	14.9	MCG 4-2-14 PGC 1429
NGC 94		Glxy S0	15.6	CGCG 479-17 PGC 1423
NGC 93		Glxy S?	13.3	UGC 209 MCG 4-2-12 CGCG 479-15 ARP 65 PGC 1412
NGC 91		Glxy S	13.6	UGC 208 MCG 4-2-11 CGCG 479-13 ARP 65 PGC 1405
NGC 86		Glxy Sbc	15	MCG 4-2-9 CGCG 479-11 PGC 1383
NGC 85		Glxy S0	15.7	MCG 4-2-7 CGCG 479-9 PGC 1375
NGC 84		Glxy S	17	MCG 4-2-10 PGC 1384
NGC 83		Glxy E	13.6	UGC 206 MCG 4-2-5 CGCG 479-8 PGC 1371
NGC 81		Glxy		PGC 1352
NGC 80		Glxy SA0-:	13.1	UGC 203 MCG 4-2-4 CGCG 479-6 PGC 1351
NGC 79		Glxy E	14.8	MCG 4-2-3 CGCG 479-3 PGC 1340
NGC 76		Glxy S?	14	UGC 185 MCG 5-1-72 CGCG 499-111 PGC 1267
NGC 74		Glxy Sb	15.5	MCG 5-1-71 PGC 1219
NGC 72A		Glxy E3:	14.7	MCG 5-1-70 CGCG 499-110 ARAK6 PGC 1208
NGC 72		Glxy SB(rs)ab	13.4	UGC 176 MCG 5-1-69 CGCG 499-109 VV 166 ARP 113 PGC 1204

## Andromeda - Daughter of Cassiopeia

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 71		Glxy SA0- pec:	14.2	UGC 173 MCG 5-1-68 CGCG 499-107 VV 166 ARP 113 PGC 1197
NGC 70		Glxy SA(rs)c	14.2	IC 1539 PGC 1194 UGC 174 MCG 5-1-67 CGCG 499-108 VV 166 ARP 113
NGC 69		Glxy SB(s)0-	14.8	MCG 5-1-66 CGCG 499-105 ARAK5 VV 166 ARP 113 PGC 1191
NGC 68	H16-5	Glxy SA0-	13.9	UGC 170 MCG 5-1-65 CGCG 499-106 VV 166 ARP 113 IRAS 157+2947 PGC 1187
NGC 67		Glxy E:	15.2	MCG 5-1-64 CGCG 499-104 ARAK4 PGC 1185 ARP 113
NGC 51		Glxy S0^ pec:	14.1	UGC 138 MCG 8-1-35 CGCG 549-31 PGC 974
NGC 49		Glxy S0?	14.7	UGC 136 MCG 8-1-33 CGCG 549-29 PGC 952
NGC 48		Glxy SABbc pec:	14.4	UGC 133 MCG 8-1-31 CGCG 549-27 IRAS 113+4757 PGC 929
NGC 43		Glxy SB0	13.6	UGC 120 MCG 5-1-54 CGCG 499-79 PGC 875
NGC 39	H861-3	Glxy SA(rs)c	14.2	UGC 114 MCG 5-1-52 CGCG 499-76 IRAS 96+3046 PGC 852
NGC 29	H853-2	Glxy SAB(s)bc:	13.5	UGC 100 MCG 5-1-48 CGCG 499-66 IRAS 82+3304 KAZ19 PGC 767
NGC 27		Glxy S?	14.4	UGC 96 MCG 5-1-44 CGCG 499-63 IRAS 79+2843 PGC 742
NGC 21		Glxy SBb	14	NGC 29 PGC 759 UGC 98 MCG 5-1-46 CGCG 499-65 IRAS 80+3242 KAZ18
NGC 20		Glxy S0-:	14	UGC 84 MCG 5-1-36 CGCG 499-54 CGCG 498-82 PGC 679
NGC 13	H866-3	Glxy (R)Sab:	14	UGC 77 MCG 5-1-34 CGCG 499-53 CGCG 498-81 PGC 650
NGC 11		Glxy Sa	14.6	UGC 73 MCG 6-1-15 CGCG 517-20 CGCG 518-15 IRAS 61+3710 PGC 642
NGC 5		Glxy E:	14.3	UGC 62 MCG 6-1-13 CGCG 517-17 CGCG 518-12 4ZW7 PGC 595
MINK 1-1		PI Neb	14.1	PK 130-11.1 Minkowski 1-1
MAC 2359+4651		Glxy	16.5	
MAC 2359+4650		Glxy	15.5	
MAC 2320+4302		Glxy	15.5	
NGC 933		Glxy S?	14.8	UGC 1956 MCG 8-5-13 CGCG 553-16 PGC 9465
NGC 923		Glxy Sb:	14.5	UGC 1915 MCG 7-6-22 CGCG 539-30 IRAS 2244+4145 PGC 9355
NGC 920		Glxy (R')SB(s)ab	14.8	UGC 1920 MCG 8-5-11 CGCG 553-12 PGC 9377
NGC 914		Glxy SA(s)c	13.7	UGC 1887 MCG 7-6-17 CGCG 539-23 IRAS 2229+4155 PGC 9253
NGC 913		Glxy E		PGC 9230
NGC 912		Glxy E	14.8	MCG 7-6-15 CGCG 539-20 PGC 9222
NGC 911		Glxy E	13.7	UGC 1878 MCG 7-6-16 CGCG 539-21 PGC 9221
NGC 910	H571-3	Glxy E+	12.1	UGC 1875 MCG 7-6-14 CGCG 539-17 PGC 9201
NGC 909		Glxy E	14.3	UGC 1872 MCG 7-6-13 CGCG 539-16 PGC 9197
NGC 906		Glxy SBab	13.8	UGC 1868 MCG 7-6-12 CGCG 539-14 IRAS 2221+4152 PGC 9188
NGC 898	H570-3	Glxy Sab sp	13.8	UGC 1842 MCG 7-6-4 CGCG 538-58 CGCG 539-4 IRAS 2201+4143 PGC 9073
NGC 891	H19-5	Glxy SA(s)b? sp	10.8	UGC 1831 MCG 7-5-46 CGCG 538-52 IRAS 2193+4207 IRAS 2195+4209 PGC 9031
NGC 847		Glxy SB(rs)ab	13	NGC 846 PGC 8430 UGC 1688 MCG 7-5-24 CGCG 538-32 IRAS 2090+4420
NGC 845	H604-3	Glxy Sb	14.3	UGC 1695 MCG 6-5-104 CGCG 522-135 IRAS 2093+3714 PGC 8438
NGC 841		Glxy (R')SAB(s)ab	13.4	UGC 1676 MCG 6-5-101 CGCG 522-131 5ZW194 IRAS 2082+3715 PGC 8372
NGC 834	H567-3	Glxy S?	13.8	UGC 1672 MCG 6-5-99 CGCG 522-128 ARAK77 IRAS 2080+3725 PGC 8352
NGC 828	H605-2	Glxy Sa: pec	13.2	UGC 1655 MCG 6-5-92 CGCG 522-125 6ZW177 IRAS 2071+3857 PGC 8283
NGC 818	H604-2	Glxy SABc:	13.2	UGC 1633 MCG 6-5-86 CGCG 522-116 IRAS 2057+3832 PGC 8185
NGC 812		Glxy S pec	12.2	UGC 1598 MCG 7-5-14 CGCG 538-19 IRAS 2037+4419 PGC 8066
NGC 801		Glxy Sc	14	UGC 1550 MCG 6-5-79 CGCG 522-106 IRAS 2007+3801 PGC 7847
NGC 797	H566-3	Glxy SAB(s)a	13.6	UGC 1541 MCG 6-5-78 CGCG 522-105 5ZW170 VV 428 PGC 7832
NGC 759		Glxy E	13.8	UGC 1440 MCG 6-5-67 CGCG 522-87 IRAS 1548+3605 PGC 7397
NGC 753		Glxy SAB(rs)bc	13	UGC 1437 MCG 6-5-66 CGCG 522-86 IRAS 1547+3540 PGC 7387

## Andromeda - Daughter of Cassiopeia

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 752	H32-7	Open Cl 8.0 II 2 r	5.7	
NGC 746		Glxy Im	13.5	UGC 1438 MCG 7-5-3 CGCG 538-4 IRAS 1548+4441 PGC 7399
NGC 732		Glxy S0	14.5	UGC 1406 MCG 6-5-57 MK 1011 CGCG 522-76 ARAK64 IRAS 1535+3633 PGC 7270
NGC 721		Glxy SB(rs)bc	14.2	UGC 1376 MCG 6-5-43 CGCG 522-56 IRAS 1517+3908 PGC 7097
NGC 717		Glxy S0/a	13.8	UGC 1363 MCG 6-5-41 CGCG 522-52 PGC 7033
NGC 714		Glxy S0/a	13.1	UGC 1358 MCG 6-5-37 CGCG 522-47 PGC 7009
NGC 712		Glxy S0	13.8	UGC 1352 MCG 6-5-35 CGCG 522-43 PGC 6988
NGC 710		Glxy Scd:	14.3	UGC 1349 MCG 6-5-33 CGCG 522-41 IRAS 1499+3548 KUG 149+358 PGC 6972
NGC 709		Glxy S0	14.2	CGCG 522-40 PGC 6969
NGC 708	H565-3	Glxy E	13.7	UGC 1348 MCG 6-5-31 CGCG 522-39 PGC 6962
NGC 705	H564-3	Glxy S0/a	14.6	UGC 1345 MCG 6-5-30 CGCG 522-36 6ZW90 PGC 6958
NGC 704	H563-3	Glxy S0	14.1	UGC 1343 MCG 6-5-28 CGCG 522-34 5ZW134 PGC 6953
NGC 703	H562-3	Glxy S0-:	13.2	UGC 1346 MCG 6-5-29 CGCG 522-37 PGC 6957
NGC 700		Glxy S0	15.4	UGC 1336 CGCG 522-27 5ZW133 PGC 6924
NGC 687	H561-3	Glxy S0	12.3	UGC 1298 MCG 6-5-14 CGCG 522-17 PGC 6782
NGC 679	H175-3	Glxy S0-:	13.3	UGC 1283 MCG 6-5-12 CGCG 522-15 5ZW114 PGC 6711
NGC 668		Glxy Sb	13.7	UGC 1238 MCG 6-5-3 CGCG 521-80 CGCG 522-1 IRAS 1434+3612 PGC 6502
NGC 662		Glxy S pec	13.9	UGC 1220 MCG 6-4-60 CGCG 521-73 ARAK55 5ZW98 IRAS 1416+3726 KARA62 PGC 6393
NGC 653		Glxy Sab	14.3	UGC 1193 MCG 6-4-58 CGCG 521-70 PGC 6290
NGC 620		Glxy Pec	13.9	UGC 1150 MCG 7-4-6 CGCG 537-16 5ZW81 IRAS 1340+4204 PGC 5990
NGC 605		Glxy S0	13.9	UGC 1128 MCG 7-4-4 CGCG 537-14 PGC 5891
NGC 591		Glxy (R)SB0/a	13.9	UGC 1111 MCG 6-4-38 MK 1157 CGCG 521-46 IRAS 1306+3524 PGC 5800
NGC 590		Glxy SBa	13.8	UGC 1109 MCG 7-4-3 CGCG 537-13 PGC 5808
NGC 573		Glxy S?	14.1	UGC 1078 CGCG 537-10 IRAS 1278+4100 PGC 5638
NGC 562		Glxy SA(rs)c	14	UGC 1049 MCG 8-3-25 CGCG 551-20 IRAS 1254+4807 PGC 5502
NGC 561		Glxy (R)SB(s)a	13.8	UGC 1048 MCG 6-4-29 CGCG 521-32 IRAS 1254+3403 PGC 5489
NGC 551	H560-3	Glxy SBbc	13.5	UGC 1034 MCG 6-4-27 CGCG 521-30 IRAS 1247+3655 PGC 5450
NGC 542		Glxy S?	15.7	MCG 6-4-22 CGCG 521-26 Hickson 10D PGC 5360
NGC 536	H171-3	Glxy SB(r)b	12.3	UGC 1013 MCG 6-4-21 CGCG 521-25 Hickson 10A PGC 5344
NGC 531		Glxy SB0/a:	14.8	UGC 1012 MCG 6-4-20 CGCG 521-24 Hickson 10C PGC 5340
NGC 529		Glxy S0-:	13.1	UGC 995 MCG 6-4-19 CGCG 521-23 Hickson 10B PGC 5299
NGC 528		Glxy S0	13.5	UGC 988 MCG 5-4-57 CGCG 502-83 IRAS 1226+3324 PGC 5290
NGC 523	H170-3	Glxy Pec	13.5	NGC 537 PGC 5268 UGC 979 MCG 6-4-18 CGCG 521-22 4ZW45 VV 783 ARP 158 IRAS 1225+3345
NGC 513	H169-3	Glxy S?	13.9	UGC 953 MCG 6-4-16 CGCG 521-20 ARAK41 IRAS 1216+3332 PGC 5174
NGC 512		Glxy Sab	14.1	UGC 944 MCG 6-4-13 CGCG 521-18 PGC 5132
NGC 477	H577-3	Glxy SAB(s)c	13.7	UGC 886 MCG 7-3-32 CGCG 536-32 PGC 4915
MAC 2319+4258A		Glxy	15.5	
MAC 2319+4255		Glxy	15.5	
MAC 2319+4254		Glxy	16.5	
MAC 2318+4253		Glxy	16.5	
MAC 2259+3905		Glxy	16	
MAC 0235+4055		Glxy	16.5	
MAC 0232+4439		Glxy	16	
MAC 0227+4141		Glxy	15.5	

# Andromeda - Daughter of Cassiopeia

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 1799		Glxy S?	14.6	UGC 1943 MCG 8-5-12 CGCG 553-14 PGC 9432
IC 1559		Glxy SAB0 pec:	14	MCG 4-2-34 MK 341 CGCG 479-44 ARP 282 PGC 2201
IC 1544		Glxy SAB(s)c	14.4	UGC 204 MCG 4-2-6 CGCG 479-7 PGC 1362
IC 1542		Glxy S?	15	MCG 4-2-1 CGCG 479-1 PGC 1328
<b>Sub Total:</b>		<b>331</b>		
<b>Total:</b>		<b>355</b>		

## Antlia - The Air Pump

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 2485		Non-Existent		
NGC 2997	H50-5	Glxy SAB(rs)c	10.1	ESO 434-35 MCG -5-23-12 UGC A181 PGC 27978
IC 2534		Glxy (R')SA(rs)0+ p:	13.4	ESO 374-19 MCG -6-22-11 PGC 29016
NGC 3100		Glxy SB0	11.1	
NGC 3103		Non-Existent		NGC 3100 PGC 28960 ESO 435-30 MCG -5-24-18
IC 2533		Glxy SA0-:	13	ESO 435-27 MCG -5-24-17 PGC 28948
NGC 3095		Glxy SAB(rs)c	12.4	ESO 435-26 MCG -5-24-16 UGC A192 IRAS 9578-3118 PGC 28919
IC 2532		Glxy (R')SB(rs)a	13.9	ESO 374-16 MCG -6-22-7 IRAS 9579-3359 PGC 28915
NGC 3089		Glxy SAB(rs)b	13.2	ESO 435-24 MCG -5-24-14 PGC 28882
NGC 3087		Glxy E+:	11.6	ESO 374-15 MCG -6-22-5 PGC 28845
NGC 3084		Glxy (R')SB(s)ab pec	13.2	IC 2528 PGC 28841 ESO 499-29 MCG -4-24-10
NGC 3125		Glxy E?	13.5	ESO 435-41 MCG -5-24-22 IRAS 10042-2941 TOL3 PGC 29366
IC 2545		Glxy	15.2	ESO 374-32 IRAS 10039-3338 PGC 29334
NGC 3120		Glxy SAB(s)bc:	13.5	ESO 374-29 MCG -6-22-17 IRAS 10031-3358 PGC 29278
NGC 3113		Glxy SAB(s)d:	13.3	ESO 435-35 MCG -5-24-21 UGC A198 IRAS 10021-2812 PGC 29216
IC 2539		Glxy SA(s)bc:	14	ESO 435-34 MCG -5-24-20 IRAS 10020-3107 PGC 29203
IC 2538		Glxy SA(r)c pec	14.6	ESO 374-27 MCG -6-22-15 IRAS 10017-3434 PGC 29181
IC 2537		Glxy SAB(rs)c	12.8	ESO 499-39 MCG -4-24-15 UGC A197 PGC 29179
IC 2536		Glxy SBc pec sp	14.5	ESO 374-26 IRAS 10012-3342 PGC 29157
NGC 3108		Glxy SA(s)0+	12.8	ESO 435-32 MCG -5-24-19 PGC 29076
IC 2528		Non-Existent		
NGC 3082		Glxy SA(s)0-:	13.5	ESO 435-18 MCG -5-24-11 PGC 28829
IC 2526		Glxy SAB(s)0^:	13.6	ESO 435-12 MCG -5-24-8 PGC 28732
IC 2523		Glxy SB(s)bc pec?	13.6	ESO 374-11 MCG -5-24-5 IRAS 9529-3258 PGC 28607
IC 2522		Glxy SB(s)c pec	12.6	ESO 374-10 MCG -5-24-4 UGC A189 IRAS 9529-3254 PGC 28606
NGC 3056		Glxy (R)SA(s)0+:	12.6	ESO 435-7 MCG -5-24-3 PGC 28576
NGC 3051		Glxy (R')SB(s)0- pec	12.8	ESO 499-16 MCG -4-24-4 PGC 28536
NGC 3046		Non-Existent		
IC 2517		Glxy L R	15.4	ESO 374-6 PGC 28466
NGC 3038		Glxy SA(rs)b	12.4	ESO 374-2 MCG -5-24-1 PGC 28376
IC 2513		Glxy SA(s)ab: sp	13.3	IC 2513 MCG -5-23-19 PGC 28283
IC 2514		Non-Existent		IC 2512 ESO 374-50 PGC 28290
IC 2511		Glxy (R')SAB(s)a: sp	13	IC 2511 ESO 374-49 MCG -5-23-18 PGC 28246
IC 2512		Non-Existent		IC 2514 ESO 374-49 MCG -5-23-18 PGC 28246
IC 2510		Glxy SB(rs)ab:	14.9	ESO 373-29 MCG -5-23-17 PGC 28147
NGC 3001		Glxy SAB(rs)bc	12.7	ESO 434-38 MCG -5-23-14 UGC A183 PGC 28027
NGC 3175		Glxy SAB(s)a?	12.1	ESO 436-3 MCG -5-24-28 UGC A207 VV 796 IRAS 10124-2837 PGC 29892
NGC 3173		Glxy SA(s)c	13.5	ESO 500-16 MCG -4-24-22 IRAS 10122-2726 PGC 29883
IC 2556		Glxy (R')SB(s)d	14.3	ESO 374-42 MCG -6-23-12 IRAS 10104-3428 PGC 29727
NGC 3157		Glxy SB(s)bc: sp	13.9	IC 2555 PGC 29691 ESO 435-51 MCG -5-24-26 IRAS 10094-3123
IC 2555		Non-Existent		NGC 3157 ESO 435-51 MCG -5-24-26 IRAS 10094-3123 PGC 29691
IC 2552		Glxy SAB(s)0-:	13.4	ESO 374-40 MCG -6-23-7 PGC 29637
NGC 3137		Glxy SA(s)cd	12.1	ESO 435-47 MCG -5-24-24 UGC A203 IRAS 10068-2849 PGC 29530
IC 2548		Glxy (R')SB(r)b	13.9	ESO 374-37 MCG -6-23-1 PGC 29461
IC 2546		Glxy	15.6	ESO 374-36 PGC 29407

## Antlia - The Air Pump

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 3449		Glxy SA(s)ab:	12.2	ESO 376-25 MCG -5-26-10 IRAS 10505-3240 PGC 32666
NGC 3378		Glxy Sbc:	13.5	ESO 318-12 MCG -7-22-29 IRAS 10444-3945 PGC 32189
NGC 3358		Glxy (R)SAB(s)0/a	12.3	ESO 376-17 MCG -6-24-9 IRAS 10412-3609 PGC 31974
NGC 3354		Glxy S: pec	13.1	ESO 376-14 MCG -6-24-8 IRAS 10407-3606 PGC 31941
NGC 3347		Glxy SB(rs)b	11.3	ESO 376-13 MCG -6-24-7 PGC 31926
NGC 3347B		Glxy SA(s)dm: sp	13.7	ESO 376-10 MCG -6-24-5 IRAS 10397-3640 PGC 31875
NGC 3347C		Glxy SB(s)d	14.8	ESO 376-5 MCG -6-24-3 PGC 31797
NGC 3347A		Glxy SB(s)cd: sp	13.4	ESO 376-4 MCG -6-24-2 IRAS 10380-3609 PGC 31761
NGC 3333		Glxy SABbc pec sp	13.1	ESO 376-2 MCG -6-24-1 IRAS 10375-3546 PGC 31723
NGC 3302		Glxy SA0^	13.5	ESO 437-7 MCG -5-25-20 PGC 31391
NGC 3281D		Glxy SB(s)d: sp	14.6	ESO 375-68 MCG -6-23-55 PGC 31273
NGC 3289		Glxy SB(rs)0+: sp	12.5	ESO 375-65 MCG -6-23-54 PGC 31253
NGC 3281C		Glxy S0 sp	14.3	ESO 375-63 MCG -6-23-53 PGC 31173
NGC 3258E		Glxy Sb? sp	15.4	ESO 375-60 MCG -6-23-51B PGC 31131
NGC 3281A		Glxy SB(rl)0^	14.4	
NGC 3258D		Glxy SB(s)b:	14	ESO 375-58 MCG -6-23-51 PGC 31094
NGC 3281		Glxy SA(s)ab pec:	11.6	ESO 375-55 MCG -6-23-50 IRAS 10295-3435 PGC 31090
NGC 3281B		Glxy SAB(rs)0^:	14.4	
IC 2588		Glxy (R')SB(r)a:	13.6	ESO 436-33 MCG -5-25-9 IRAS 10295-3007 PGC 31088
NGC 3278		Glxy SA(s)c?	13	ESO 317-43 MCG -7-22-21 IRAS 10293-3941 PGC 31068
NGC 3258C		Glxy SB(r)a	14.6	ESO 375-53 MCG -6-23-48 PGC 31053
NGC 3276		Glxy S0:	14.4	ESO 317-40 PGC 31031
IC 2587		Glxy (R')SB(s)0-	13.3	ESO 375-51 MCG -6-23-47 IRAS 10287-3418 PGC 31020
NGC 3275		Glxy SB(r)ab	11.8	ESO 375-50 MCG -6-23-46 IRAS 10286-3628 PGC 31014
NGC 3273		Glxy SA(r)0^	12.5	ESO 375-49 MCG -6-23-45 PGC 30992
NGC 3271		Glxy SB(r)0^	11.8	IC 2585 PGC 30988 ESO 375-48 MCG -6-23-44
IC 2585		Non-Existent		NGC 3271 ESO 375-48 MCG -6-23-44 PGC 30988
NGC 3258B		Glxy S0	14.2	
NGC 3275A		Glxy Sa	14.2	
NGC 3268		Glxy E2	11.4	ESO 375-45 MCG -6-23-41 PGC 30949
NGC 3269		Glxy SA(r)0+	13.1	ESO 375-44 MCG -6-23-40 PGC 30945
IC 2584		Glxy S0: sp	12.6	ESO 375-43 MCG -6-23-37 PGC 30938
NGC 3267		Glxy SAB(r)0^	13.5	ESO 375-42 MCG -6-23-36 PGC 30934
IC 2582		Glxy SAB(r)c	13.7	ESO 436-28 MCG -5-25-6 IRAS 10268-3005 PGC 30880
NGC 3260		Glxy E pec:	14.5	ESO 375-40 MCG -6-23-33 PGC 30875
NGC 3250E		Glxy SAB(s)cd:	13.2	ESO 317-34 MCG -7-22-13 IRAS 10268-3949 PGC 30865
NGC 3258		Glxy E1	11.4	ESO 375-37 MCG -6-23-32 PGC 30859
NGC 3257		Glxy SAB(s)0-:	13.1	ESO 375-36 MCG -6-23-31 PGC 30849
NGC 3258A		Glxy SAB0+:	13.1	ESO 375-32 MCG -6-23-30 PGC 30815
IC 2580		Glxy SB(rs)c	13.2	ESO 436-25 MCG -5-25-4 IRAS 10260-3115 PGC 30814
NGC 3250D		Glxy S0: sp	14.3	ESO 317-31 MCG -7-22-11 PGC 30792
NGC 3250A		Glxy Sb: sp	15.6	ESO 317-30 IRAS 10257-3949 PGC 30790
NGC 3250C		Glxy (R')SA(rs)ab:	14.2	ESO 317-28 MCG -7-22-8 IRAS 10255-3944 PGC 30774
IC 2578		Glxy Sc: sp	14.9	ESO 375-29 IRAS 10250-3337 PGC 30753
NGC 3250		Glxy E4	12.2	ESO 317-26 MCG -7-22-7 PGC 30671

## Antlia - The Air Pump

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 3249		Glxy SAB(rs)cd:	13.8	ESO 375-24 MCG -6-23-28 IRAS 10240-3442 PGC 30657
IC 2576		Glxy S?	14.8	ESO 375-23 MCG -5-25-3 IRAS 10236-3238 PGC 30634
NGC 3244		Glxy SA(rs)cd	12.9	ESO 317-24 MCG -7-22-5 IRAS 10232-3934 PGC 30594
IC 2575		Glxy S	15.9	ESO 436-17 PGC 30586
NGC 3241		Glxy SA(r)ab:	13.1	ESO 436-16 MCG -5-25-2 IRAS 10220-3213 PGC 30498
IC 2573		Glxy SB(s)d: sp	15.3	ESO 375-17 PGC 30442
NGC 3224		Glxy E+	12	ESO 375-13 MCG -6-23-24 PGC 30314
NGC 3223		Glxy SA(s)b	11.8	IC 2571 PGC 30308 ESO 375-12 MCG -6-23-23 IRAS 10193-3400
IC 2571		Non-Existent		NGC 3223 ESO 375-12 MCG -6-23-23 IRAS 10193-3400 PGC 30308
IC 2570		Glxy SB(rs)bc:	16	ESO 375-11 PGC 30307
IC 2563		Glxy (R)SBd? pec	15.5	ESO 436-9 PGC 30125
IC 2560		Glxy (R')SB(r)b:	12.5	ESO 375-4 MCG -5-25-1 IRAS 10140-3318 PGC 29993
IC 2559		Glxy SB(s)b?	14.4	ESO 375-2 MCG -6-23-19 IRAS 10125-3348 PGC 29898
IC 2558		Glxy Pec:	14.3	ESO 375-1 MCG -6-23-18 IRAS 10125-3405 PGC 29895
IC 2507		Glxy IB(s)m pec:	13.3	ESO 434-31 MCG -5-23-9 PGC 27903
NGC 2904		Glxy SAB(s)0-?	13.4	ESO 434-6 MCG -5-23-3 PGC 26981
NGC 2973		Non-Existent		STAR PGC 27439
IC 2492		Glxy S	15.8	ESO 315-13 PGC 27129

**Sub Total: 108**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 2531		Glxy Sc: sp	12.9	ESO 435-25 MCG -5-24-15 UGC A191 PGC 28909
PGC 29743		Glxy Sbc: sp	14.1	MCG -5-24-27 IRAS 10104-2735 ESO 436-01

**Sub Total: 2****Total: 110**

## Apus - Bird of Paradise

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 4377		Glxy S0+:	13.6	ESO 41-4 PGC 51013
IC 4484		Glxy Scd: sp	14.7	ESO 41-9 IRAS 14427-7305 PGC 52837
NGC 5799		Glxy S0+: pec	14.3	ESO 67-6 FAIR164 IRAS 15005-7213 PGC 53875
NGC 5833		Glxy SA(s)bc pec:	12.8	ESO 42-3 FAIR840 IRAS 15066-7240 PGC 54250
IC 4618		Glxy SB(rs)bc pec	12.7	ESO 43-9 IRAS 16506-7654 PGC 59325
NGC 6209		Glxy (R')SA(rs)bc	12.6	ESO 43-8 IRAS 16489-7230 PGC 59252
IC 4608		Glxy SB(s)m pec	14.2	ESO 43-4 IRAS 16396-7723 PGC 58968
NGC 6151		Non-Existent		STAR KUG 136+361 PGC 58689
NGC 6101		Globular	9.2	
IC 4578		Glxy (R')SB(s)b	13.7	ESO 42-13 IRAS 15471-7440 PGC 56305
NGC 5967		Glxy SAB(rs)c:	12.7	ESO 42-10 IRAS 15421-7531 PGC 56078
IC 4555		Glxy SB(s)cd: sp	13.5	ESO 22-12 IRAS 15411-7801 PGC 56077
NGC 5967A		Glxy SB(rs)cd:	13.3	ESO 42-9 PGC 56024
IC 4545		Glxy SAB(s)cd	14	ESO 22-11 IRAS 15328-8127 PGC 55799
IC 4541		Glxy Sb:	14.2	ESO 68-6 IRAS 15249-7025 PGC 55252
IC 4661		Glxy SA(s)c	12.9	ESO 44-21 IRAS 17447-7401 PGC 60990
NGC 6392		Glxy (R')SAB(rs)ab:	13.9	ESO 70-12 IRAS 17379-6945 PGC 60753
IC 4654		Glxy SAB(rs)bc:	13.9	ESO 44-15 IRAS 17306-7420 PGC 60582
IC 4647		Glxy SAB(s)0^	14.3	ESO 24-5 PGC 60280
IC 4644		Glxy Sb? pec	14.9	ESO 44-11 IRAS 17182-7353 PGC 60234
IC 4641		Glxy SA(rs)c:	13.8	ESO 24-2 PGC 60221
IC 4640		Glxy SAB(r)d:	14.2	ESO 24-1 PGC 60209
IC 4635		Glxy SAB(s)b: sp	13.7	ESO 44-5 IRAS 17080-7725 PGC 59959
IC 4633		Glxy SA(r)cd	11.8	ESO 44-3 FAIR841 PGC 59884
IC 4631		Non-Existent		
IC 4522		Glxy Sb	13.5	ESO 42-2 IRAS 15056-7540 PGC 54216
IC 4499		Globular	10.1	
IC 4448		Glxy (R)SB(s)d pec?	14.1	ESO 22-2 IRAS 14343-7835 PGC 52426
NGC 5612		Glxy SAab:	13	ESO 22-1 IRAS 14281-7809 PGC 52057

**Sub Total: 29****Total: 29**

## Aquila - The Eagle

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 6728	H13-8	Non-Existent		
NGC 6785		Non-Existent		
NGC 6828	H73-8	Non-Existent		
NGC 6863		Non-Existent		
IC 5000		Non-Existent		
IC 1316		Non-Existent		NGC 6901
NGC 6859		Non-Existent		
NGC 6795		Non-Existent		
IC 4850		Non-Existent		(STAR)
NGC 6773		Non-Existent		

**Sub Total: 10**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
ABELL 70		PI Neb	14.5	PK 38-25.1
IC 1298		Open Cl	14	(STAR)
IC 1327		Glxy S0+?	14.7	CGCG 373-38 KARA881 PGC 65027
IC 1317		Glxy E+?	14.6	UGC 11546 MCG 0-52-4 CGCG 373-5 2ZW82 PGC 64586
NGC 6709		Open Cl 9.0 IV 2 m	6.7	
SH2 71		PI Neb 3b+3	13.2	PK 36-1.1 PNG 35.9-1.1 SH2-71
PGC 63847		Glxy C	15	CGCG 398-3
PGC 63830		Glxy	15.1	CGCG 398-2
NGC 6724		Open Cl 12.0 cluster?		
NGC 6738		Open Cl IV 2 p	8.3	
NGC 6735		Open Cl 12.0		
NGC 6741		PI Neb 4	10.8	Sanduleak 2-380 Jonckheere 475 PK 33-2.1
NGC 6751		PI Neb 3	12.5	Sanduleak 2-382 PK 29-5.1 PNG 29.2-5.9
NGC 6756	H62-7	Open Cl 13.0 I 1 m	10.6	
NGC 6760		Globular	9	
NGC 6775		Open Cl cluster?		
NGC 6807		PI Neb 2	13.8	PK 42-6.1 PNG 42.9-6.9
NGC 6804	H38-6	PI Neb 4+2	12.2	PK 45-4.1 PNG 45.7-4.5
NGC 6803		PI Neb 2a	11.3	PK 46-4.1 PNG 46.4-4.1
NGC 6790		PI Neb 2	10.2	PK 37-6.1 PNG 37.8-6.3
NGC 6781	H743-3	PI Neb 3+3	11.8	PK 41-2.1 PNG 41.8-2.9
NGC 6778		PI Neb 3+3	13.3	Sanduleak 2-388 PK 34-6.1 PNG 34.5-6.7
NGC 6772	H14-4	PI Neb 3b+2	14.2	Sanduleak 2-384 PK 33-6.1 PNG 33.1-6.3
NGC 6755	H19-7	Open Cl 11.0 II 2 r	7.5	
NGC 6749		Globular	12.4	
NGC 6941		Glxy SAB(rs)b	13.5	MCG -1-52-10 IRAS 20337-447 PGC 65054
NGC 6929		Glxy SA0+ pec:	14.4	MCG 0-52-35 CGCG 373-35 PGC 64949
NGC 6926	H142-3	Glxy SB(s)bc pec	13.2	UGC 11588 MCG 0-52-33 CGCG 373-33 VV 621 PGC 64939
NGC 6922		Glxy SA(rs)c pec:	14	UGC 11574 MCG 0-52-18 CGCG 373-17 IRAS 20272-221 PGC 64814
NGC 6900		Glxy Sb	13.1	MCG 0-52-1 IRAS 20189-243 PGC 64530

## Aquila - The Eagle

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 6865		Glxy S0	15.7	PGC 64089
NGC 6858		Open Cl 10.0 cluster?		
NGC 6852		PI Neb 4	12.8	Kohoutek 1-18 PK 42-14.1 PNG 42.5-14.5
NGC 6843		Open Cl 10.0 cluster?		
NGC 6840	H19-8	Open Cl 10.0 cluster?		
NGC 6837	H18-8	Open Cl IV 1 p	12	
NGC 6821		Glxy SB(s)d:	13.6	MCG -1-50-2 IRAS 19417-657 PGC 63594
NGC 6814	H744-3	Glxy SAB(rs)bc	12.1	MCG -2-50-1 IRAS 19399-1026 PGC 63545
NGC 6915		Glxy (R')Sab?	14.2	IRAS 20251-314 PGC 64729
NGC 6906		Glxy SB(rs)bc:	13.2	UGC 11548 MCG 1-52-3 CGCG 399-6 IRAS 20211+616 PGC 64601
NGC 6901		Glxy SB(r)ab	14.6	IC 5000 PGC 64552 UGC 11542 MCG 1-52-2 CGCG 399-2 IRAS 20199+616
IC 4846		PI Neb 2	12.7	Sanduleak 2-385 PK 27-9.1 PNG 27.6-9.6
MINK 1-70		PI Neb 1	12.7	PK 45-2.1 PNG 45.4-2.7 Minkowski 1-70 Vyssotsky 2-2
IC 5006		Glxy	12	(STAR)

**Sub Total: 44****Total: 54**

# Aquarius - The Water Bearer

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 5057		Non-Existent		(STAR)
IC 5062		Non-Existent		
NGC 7005		Non-Existent		
IC 1353		Non-Existent		
IC 1352		Non-Existent		
IC 1351		Non-Existent		
IC 1349		Non-Existent		
IC 1346		Non-Existent		
NGC 6985		Non-Existent		PGC 65306 ?
NGC 6980		Non-Existent		Single Star
NGC 6973		Non-Existent		Single Star
IC 5155		Non-Existent		
IC 1416		Non-Existent		
IC 1415		Non-Existent		SINGLE STAR
IC 1413		Non-Existent		
IC 1410		Non-Existent		
IC 1409		Non-Existent		
IC 1403		Non-Existent		
IC 1397		Non-Existent		
NGC 7111		Non-Existent		NGC 7108
IC 1449		Non-Existent		
IC 1448		Non-Existent		MCG -2-57-17 PGC 69194
IC 5228		Non-Existent		MCG -2-57-13 PGC 69094
IC 5226		Non-Existent		
IC 1446		Non-Existent		
IC 5216		Non-Existent		
NGC 7257		Non-Existent		NGC 7260 PGC 68691 MCG -1-57-3
NGC 7254		Non-Existent		NGC 7256 PGC 68686 ESO 602-13 IRAS 22198-2159 KAZ537
IC 5204		Non-Existent		
NGC 7526	H470-3	Non-Existent		Asterism of 3 Stars
NGC 7522		Non-Existent		
NGC 7520		Non-Existent		
NGC 7502		Non-Existent		
IC 1469		Non-Existent		
NGC 7481		Non-Existent		ESO 604-3 PGC 70479
NGC 7471		Non-Existent		
IC 1464A		Non-Existent		MCG -2-58-20 PGC 70345
IC 1464		Non-Existent		
IC 1514		Non-Existent		NGC 7776 MCG -2-60-22 PGC 72812
IC 5361		Non-Existent		NGC 7761 MCG -2-60-20 IRAS 23488-1339 PGC 72641
NGC 7754A		Non-Existent		
NGC 7759A		Non-Existent		
IC 5344		Non-Existent		
IC 5340		Non-Existent		
IC 1499		Non-Existent		

# Aquarius - The Water Bearer

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 1494		Non-Existent		
IC 5327		Non-Existent		IC 5327 IC 1495 MCG -2-59-24 IRAS 23281-1345 PGC 71631
IC 1490		Non-Existent		
NGC 7666		Non-Existent		
IC 5318		Non-Existent		MCG -2-59-15 IRAS 23215-1208 PGC 71338
IC 1477		Non-Existent		NGC 7596
IC 1464B		Non-Existent		MCG -2-58-21 PGC 70344
NGC 7453		Non-Existent		
NGC 7447		Non-Existent		
IC 1463		Non-Existent		(STAR)
IC 1458		Non-Existent		MCG -1-58-7 PGC 70080
IC 1457		Non-Existent		
IC 1456		Non-Existent		
IC 5248		Non-Existent		
IC 5198		Non-Existent		
IC 5194		Non-Existent		
IC 5189		Non-Existent		
IC 1430		Non-Existent		
IC 5167		Non-Existent		(STAR)
IC 1426		Non-Existent		
IC 1419		Non-Existent		
IC 5159		Non-Existent		(STAR)
IC 5126		Non-Existent		
NGC 7088		Non-Existent		Baxendell's Nebula
IC 1376		Non-Existent		
IC 1372		Non-Existent		
IC 5089		Non-Existent		MAC 2110-0351 Very Close
IC 5082		Non-Existent		NGC 7010
IC 1355		Non-Existent		
IC 1354		Non-Existent		IC 1354 MCG -2-53-21 PGC 65939
IC 5061		Non-Existent		(STAR)
IC 5058		Non-Existent		NGC 6965 NGC 6963
NGC 6966		Non-Existent		
NGC 6965		Non-Existent		NGC 6963 IC 5058

**Sub Total: 79**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 1330		Glxy Sc? sp	14.8	MCG -2-53-2 IRAS 20434-1412 PGC 65345
IC 1341		Glxy S0	15.5	MCG -2-53-16 PGC 65876
IC 1344		Glxy	15	MCG -2-53-18 PGC 65913
IC 1347		Glxy S0^ pec:	13.5	MCG -2-53-20 PGC 65928
IC 1390		Glxy B R	15.1	MCG 0-55-4 CGCG 376-5 PGC 66922
IC 1388		Glxy	15.2	MCG 0-54-27 CGCG 375-46 ARAK548 PGC 66857

# Aquarius - The Water Bearer

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 1387		Glxy	15.2	MCG 0-54-26 CGCG 375-45 ARAK547 PGC 66851
IC 1385		Glxy SBcd	15.5	MCG 0-54-22 CGCG 375-42 PGC 66832
IC 1384		Glxy Irr	14.7	MCG 0-54-17 CGCG 375-39 PGC 66796
IC 1383		Glxy	15.7	CGCG 375-37 PGC 66792
IC 1381		Glxy SB	15.6	MCG 0-54-16 CGCG 375-36 PGC 66789
IC 1374		Glxy S	15.9	CGCG 375-31 KARA908 PGC 66605
IC 1373		Glxy	15.4	MCG 0-54-13 CGCG 375-29 PGC 66589
IC 1445		Glxy SA(s)0-:	13.5	ESO 602-19 MCG -3-57-7 PGC 68826
IC 1443		Glxy E2:	13.5	ESO 602-5 MCG -4-52-33 PGC 68558
IC 1440		Glxy E?	15.5	MCG -3-56-13 PGC 68470
IC 1439		Glxy (R)SB(rs)a:	14.6	ESO 602-2 MCG -4-52-30 PGC 68476
IC 1438		Glxy (R')SAB(rs)a:	12.6	ESO 602-1 MCG -4-52-29 IRAS 22137-2140 PGC 68469
IC 1437		Glxy (R')SA(r)0/a	14.5	UGC 11965 MCG 0-56-16 CGCG 377-42 KARA956 PGC 68438
IC 1436		Glxy E/S0		MCG -2-56-24 PGC 68337
IC 1435		Glxy SA(rs:)b	13.9	ESO 601-30 MCG -4-52-25 IRAS 22106-2220 PGC 68320
IC 1433		Glxy S	15.8	MCG -2-56-21 VV 390 PGC 68267
IC 1509		Glxy Sc	15.9	MCG -3-60-14 PGC 72392
IC 1505		Glxy E	14	MCG -1-60-20 PGC 72133
IC 1498		Glxy (R')SB(r)a:	13.8	MCG -1-60-2 PGC 71677
IC 1495		Glxy Sb	13.3	IC 5327 IC 1495 MCG -2-59-24 IRAS 23281-1345 PGC 71631
IC 1491		Glxy Sbc	14.9	MCG -3-59-10 PGC 71580
IC 1489		Glxy	14.5	MCG -2-59-16 IRAS 23239-1247 PGC 71443
IC 1479		Glxy E:	13.7	MCG -2-59-10 PGC 71021
IC 1471		Glxy Sb	14.5	MCG -2-59-3 PGC 70561
IC 1453		Glxy SBb	16.4	MCG -2-58-4 PGC 69701
IC 1451		Glxy Sc	14.7	MCG -2-58-2 PGC 69684
IC 1447		Glxy SA(r)b?	12	MCG -1-57-14 IRAS 22273-522 PGC 68996
IC 1431		Glxy Sa	15.3	MCG -2-56-15 PGC 68087
IC 1421		Glxy	15.5	MCG -2-56-9 PGC 67924
IC 1417		Glxy Sb? sp	14.5	MCG -2-56-3 IRAS 21576-1323 PGC 67811
IC 1411		Glxy E	14.4	UGC 11850 MCG 0-56-1 CGCG 377-1 PGC 67660
IC 1406		Glxy	15.7	CGCG 376-38 PGC 67478
IC 1405		Glxy SBab	14.7	UGC 11826 MCG 0-55-20 CGCG 376-37 PGC 67470
IC 1401		Glxy SAB(r)bc:	14.4	UGC 11810 MCG 0-55-15 CGCG 376-31 IRAS 21444+128 KARA930 PGC 67339
IC 1391		Glxy E	15.7	MCG 0-55-7 CGCG 376-10 PGC 67002
IC 1371		Glxy S0- pec:	14.1	MCG -1-54-13 PGC 66578
IC 1370		Glxy C	15.1	CGCG 375-21 2ZW111 PGC 66418
IC 1368		Glxy Sa? sp	14.3	UGC 11703 MCG 0-54-8 CGCG 375-18 IRAS 21116+158 PGC 66389
IC 1366		Glxy	15.7	CGCG 375-17 PGC 66386
IC 1362		Glxy E	15.8	CGCG 375-7 KARA898 PGC 66316
IC 1357		Glxy (R')SB(s)a:	14.6	PGC 66092
IC 1350		Glxy S	16.1	IC 1350 MCG -2-53-21 PGC 65939
IC 1348		Glxy		classified as unknown
IC 1345		Glxy		classified as unknown
IC 1342		Glxy S?	14	MCG -3-53-17 IRAS 20576-1441 PGC 65878

# Aquarius - The Water Bearer

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 1332		Glxy Sb	14.8	MCG -2-53-11 PGC 65584
IC 1331		Glxy (R')SB(r)0/a:	14.5	MCG -2-53-5 PGC 65396
IC 5050		Glxy SAB(r)b:	15.3	MCG -1-53-5 IRAS 20426-548 PGC 65310
IC 5321		Glxy SBa pec?	13.9	ESO 605-7 MCG -3-59-9 IRAS 23237-1813 PGC 71430
IC 5310		Glxy E	15.3	ESO 605-1 PGC 71146
IC 5304		Glxy SAB0- pec:	13.7	MCG -2-59-11 PGC 71028
IC 5290		Glxy (R)Sa:	14	ESO 535-8 MCG -4-54-14 PGC 70705
IC 5278		Glxy Sdm:	15.5	MCG -1-58-14 PGC 70232
IC 5261		Glxy SB(s)cd	13.9	ESO 603-26 MCG -4-54-1 IRAS 22517-2037 PGC 69969
IC 5241		Glxy Scd pec?	14.6	UGC 12152 MCG 0-57-8 CGCG 378-16 PGC 69504
IC 5211		Glxy S?	14.6	ESO 602-14 MCG -3-57-5 PGC 68695
IC 5210		Glxy SA0-:	14	ESO 602-12 MCG -3-57-4 PGC 68674
MAC 2059-1421		Glxy	16.5	
MAC 2047+0028		Glxy	16	
MAC 2047+0026		Glxy	15.5	
MAC 2047+0024		Glxy	16.5	
MAC 2047+0017		Glxy	15.5	
MAC 2045-1106		Glxy	16	
IC 5345		Glxy S	14.5	ESO 536-16 MCG -4-55-20 IRAS 23369-2241 PGC 72040
IC 5343		Glxy Irr	15.2	ESO 536-15 MCG -4-55-19 PGC 72032
IC 5334		Glxy (R')	14	MCG -1-60-8 PGC 71784
MAC 2354-1335		Glxy	16.5	
MAC 2349-1632		Glxy	16.5	
MAC 2342-0334		Glxy	15	
MAC 2341-0331		Glxy	16	
MAC 2105-1037		Glxy	16	
MAC 2104-1122		Glxy	17	
MAC 2103-1124		Glxy	15.5	
MAC 2101-1316		Glxy	16.5	
MAC 2101-1315		Glxy	16	
MAC 2100-1428A		Glxy	16.5	
MAC 2100-1428		Glxy	17	
MAC 2100-1425		Glxy	14.5	
MAC 2100-1421		Glxy	17	
MAC 2318-1019		Glxy	16	
MAC 2254-1514		Glxy	16	
MAC 2230-1733		Glxy	16.5	
MAC 2228-2201		Glxy	14.5	
MAC 2220-1550		Glxy	16	
MAC 2213-2207		Glxy	15.5	
MAC 2213-2204		Glxy	15.5	
MAC 2206-2106		Glxy	15.5	
MAC 2206-2105		Glxy	16	ARP 325
MAC 2206-2104		Glxy	16	ARP 325
MAC 2202-0955		Glxy	16	

# Aquarius - The Water Bearer

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC 2144-0632		Glxy	16	
MAC 2142-0652		Glxy	15.5	
MAC 2142-0646		Glxy	16.5	
MAC 2131+0230		Glxy	16.5	
MAC 2130-0038		Glxy	17.5	
MAC 2120-0448		Glxy	16	
MAC 2116-0046		Glxy	16	
MAC 2113+0213		Glxy	16.6	
MAC 2110-0351		Glxy	16.5	
MAC 2105-1040		Glxy	16.5	
IC 5090		Glxy Sa pec?	14.4	UGC 11691 MCG 0-54-3 CGCG 375-6 IRAS 21089-214 PGC 66299
IC 5178		Glxy SB(s)c	14.7	ESO 532-31 MCG -4-52-22 PGC 68287
IC 5111		Glxy Sa	15	MCG 0-54-21 CGCG 375-41 KARA917 PGC 66811
NGC 6945		Glxy S0-	13.5	MCG -1-52-15 PGC 65132
NGC 6959		Glxy (R)S0^ pec:	14.7	CGCG 374-13 PGC 65369
NGC 6962	H426-2	Glxy SAB(r)ab	13	UGC 11628 MCG 0-53-3 CGCG 374-15 IRAS 20447+8 PGC 65375
NGC 6964	H427-2	Glxy E+ pec:	14	UGC 11629 MCG 0-53-5 CGCG 374-17 PGC 65379
NGC 6968		Glxy SA0- pec?	14	IC 5062 MCG -2-53-6 IRAS 20458-829 PGC 65428
NGC 7009	H1-4	PI Neb 4+6	8.3	Saturn Nebula PK 37.7-34.5
NGC 7001		Glxy SAB(rs)ab:	13.8	UGC 11663 MCG 0-53-16 CGCG 374-37 IRAS 20585-23 PGC 65905
NGC 6994		Open Cl 11.1 IV 1 p	8.9	M 73 Cr 426
NGC 6985A		Glxy SB(s)a pec:	14.5	MCG -2-53-1 VV 546 IRAS 20422-1117 PGC 65306
NGC 6981		Globular	9.2	M 72
NGC 6978		Glxy Sb	14.1	MCG -1-53-17 IRAS 20499-554 Hickson 88A PGC 65631
NGC 6977		Glxy SB(r)a pec:	14.1	MCG -1-53-16 IRAS 20499-555 Hickson 88B PGC 65625
NGC 6976		Glxy SAB(r)bc?	14.8	MCG -1-53-15 Hickson 88C PGC 65620
NGC 6975		Glxy S?	15.8	MCG -1-53-14 Hickson 88D PGC 65612
NGC 7089		Globular	6.6	M 2
NGC 7081	H859-3	Glxy Sb pec?	13.5	UGC 11759 MCG 0-54-30 CGCG 375-49 IRAS 21288+216 KAZ526 PGC 66891
NGC 7077		Glxy S0- pec?	14.1	UGC 11755 MCG 0-54-28 MK 900 CGCG 375-47 ARAK549 PGC 66860
NGC 7069		Glxy SAB(s)0-?	14.4	UGC 11747 MCG 0-54-19 CGCG 375-40 PGC 66807
NGC 7065A		Glxy SAB(r)c pec?	13.1	MCG -1-54-18 IRAS 21242-714 PGC 66774
NGC 7065		Glxy SB(r)ab?	14.1	MCG -1-54-17 PGC 66766
NGC 7051		Glxy SB(r)a pec	13.6	MCG -2-54-4 IRAS 21171-859 PGC 66566
NGC 7047		Glxy SAB(r)b:	14.1	UGC 11712 MCG 0-54-10 CGCG 375-23 IRAS 21138-102 PGC 66461
NGC 7010		Glxy E+ pec:	14.3	IC 5082 PGC 66039 MCG -2-53-24
NGC 7180	H693-3	Glxy S0^?	13.6	ESO 601-6 MCG -4-52-8 PGC 67890
NGC 7171	H692-3	Glxy SB(rs)b	12.9	MCG -2-56-5 IRAS 21583-1330 PGC 67839
NGC 7170		Glxy SA0-?	14.5	PGC 67848
NGC 7167		Glxy SB(s)c:	13.2	ESO 532-9 MCG -4-52-1 IRAS 21576-2452 PGC 67816
NGC 7165	H930-3	Glxy SB(r)ab	14.5	MCG -3-56-2 IRAS 21567-1645 PGC 67788
NGC 7164		Glxy SAB(rs)0+ pec:	15.2	CGCG 377-6 PGC 67673
NGC 7121		Glxy SB(r)bc?	14.6	MCG -1-55-8 IRAS 21422-351 PGC 67287
NGC 7120		Glxy Sb	15.2	MCG -1-55-6 IRAS 21419-645 PGC 67273
NGC 7108		Glxy E	13.8	NGC 7111 PGC 67189 MCG -1-55-2

# Aquarius - The Water Bearer

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 7230	H931-3	Glxy SA(s)bc	14.5	MCG -3-56-12 IRAS 22114-1719 PGC 68350
NGC 7222		Glxy SB(r)b	14.6	UGC 11934 MCG 0-56-12 CGCG 377-35 PGC 68224
NGC 7220		Glxy SAB(s)0 <sup>^</sup> :	14.5	ESO 532-28 MCG -4-52-20 PGC 68241
NGC 7218	H897-2	Glxy SB(rs)cd	12.7	MCG -3-56-8 IRAS 22074-1654 PGC 68199
NGC 7215		Glxy S0 <sup>^</sup> ?	14.9	CGCG 377-31 PGC 68127
NGC 7211		Glxy S0	14.9	PGC 68033
NGC 7198		Glxy S0 pec	14.3	MCG 0-56-8 CGCG 377-23 PGC 68006
NGC 7189		Glxy SB(rs)b pec:	14.3	UGC 11882 MCG 0-56-7 CGCG 377-17 IRAS 22007+19 PGC 67934
NGC 7188		Glxy (R')SB(rs)bc	14	ESO 601-11 MCG -4-52-12 PGC 67943
NGC 7185		Glxy SAB(rs)0- pec?	12.5	ESO 601-10 MCG -4-52-11 PGC 67919
NGC 7184	H1-2	Glxy SB(r)c	11.7	ESO 601-9 MCG -4-52-9 UGC A425 IRAS 21599-2103 PGC 67904
NGC 7183	H595-2	Glxy S0+ pec sp	12.9	ESO 601-8 MCG -3-56-4 IRAS 21596-1909 PGC 67892
NGC 7182		Glxy SB(rs)0+:	15.4	MCG 0-56-6 CGCG 377-15 PGC 67864
NGC 7181		Glxy S0 <sup>^</sup> pec:	15	CGCG 377-14 PGC 67859
PGC 72566		Glxy		
PGC 72509		Glxy		
PGC 72499		Glxy E/S0	15.5	MCG -3-60-19
PGC 72192		Glxy	15.5	MCG -1-60-24
PGC 72155		Glxy Sb pec:	14.6	MCG -1-60-22 VV 34 ARP 295 ANON 2339-3B
PGC 72139		Glxy Sc? pec sp	14.5	MCG -1-60-21 VV 34 ARP 295 ANON 2339-3A
PGC 72137		Glxy		MK 933
PGC 71025		Glxy Sb pec sp	15.5	MCG -2-59-9
PGC 70592		Glxy L	15.7	ESO 535-6
PGC 70235		Glxy Sc	14.8	MCG -2-58-17
PGC 70133		Glxy (R')SB(s)dm pec	15.5	MCG -1-58-11 VV 295 ARP 314 ANON 2255-4C
PGC 70130		Glxy SB(rs)cd: pec	13.8	MCG -1-58-10 VV 295 ARP 314 ANON 2255-4B
PGC 70127		Glxy (R')SA(s)bc: p	13.7	MCG -1-58-9 VV 295 ARP 314 ANON 2255-4A
PGC 69956		Glxy Sbc	15.9	MCG -3-58-11 ARP 110
PGC 69950		Glxy S	16.6	MCG -3-58-10
PGC 69644		Glxy S	15.7	ESO 534-23 MCG -4-53-35
PGC 69293		Glxy SA(s)m	13.4	MCG -1-57-16 DDO214 ARP 3 ANON 2233-3
PGC 69233		Glxy Sb	15.5	MCG -2-57-19
PGC 69193		Glxy S?	14.6	ESO 533-48 MCG -4-53-14 KAZ543
PGC 68593		Glxy (R')SB(r)b?	14	MCG -3-57-1
PGC 68519		Glxy S0	14.7	ESO 533-9
PGC 68229		Glxy S	15.5	CGCG 377-36
PGC 68036		Glxy	16	ESO 601-18B ARP 325
PGC 68035		Glxy	17.9	ESO 601-18A ARP 325
PGC 68034		Glxy E/S0	18.1	ESO 601-18 MCG -4-52-14 VV 167 ARP 325
PGC 67893		Glxy SB(s)m:	15.2	ESO 601-7 MCG -4-52-7
PGC 67667		Glxy	15.5	CGCG 377-2
PGC 67282		Glxy Scd: sp	15.6	ESGC
PGC 67223		Glxy S	16.3	MCG -1-55-4 IRAS 21402-703
PGC 66940		Glxy S	15.2	MCG 0-55-5 CGCG 376-8
PGC 66904		Glxy SAB(s)bc pec?	14.2	UGC 11760 MCG 0-55-2 CGCG 376-2 KAZ527

# Aquarius - The Water Bearer

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 66590		Glxy SBcd:	15	UGC 11724 MCG 0-54-14 CGCG 375-28
PGC 66580		Glxy S?	16.1	Hickson 89B
PGC 66575		Glxy S?	16.4	Hickson 89C
PGC 66574		Glxy S	16.9	Hickson 89D
PGC 66570		Glxy S?	15.4	MCG -1-54-12 IRAS 21175-407 Hickson 89A
PGC 66279		Glxy E	15.4	MCG 0-54-2 CGCG 375-4 ARAK545
PGC 66265		Glxy	15.1	CGCG 375-3
PGC 66242		Glxy SB(rs)bc:	14.5	MCG -1-54-3
PGC 65882		Glxy SBc	15.7	MCG -2-53-17
PGC 65506		Glxy Sc sp	14.6	MCG -1-53-12
PGC 65391		Glxy Scd	15.5	MCG -2-53-4
PGC 65331		Glxy SBbc	16.6	MCG -1-53-7
PGC 65308		Glxy L	14.5	MCG -1-53-4 IRAS 20425-540
NGC 7758		Glxy SAB(s)0-:	15.4	ESO 606-10 PGC 72497
NGC 7754		Glxy Sa?	15.5	MCG -3-60-21 IRAS 23466-1652 PGC 72511
NGC 7736		Glxy (R')SA(r)0^?	13.9	ESO 606-5 MCG -3-60-10 PGC 72173
NGC 7730		Glxy S	14.8	ESO 606-2 MCG -4-55-22 IRAS 23381-2047 PGC 72094
NGC 7727	H111-1	Glxy SAB(s)a pec	11.5	MCG -2-60-8 VV 67 ARP 222 PGC 72060
NGC 7725	H189-3	Glxy S0	13	MCG -1-60-18 IRAS 23367-448 PGC 72025
NGC 7724		Glxy (R')SB(r)b pec?	14.3	MCG -2-60-6 PGC 72015
NGC 7723	H110-1	Glxy SB(r)b	11.9	MCG -2-60-5 IRAS 23363-1314 PGC 72009
NGC 7721	H432-2	Glxy SA(s)c	12.2	MCG -1-60-17 IRAS 23362-647 PGC 72001
NGC 7719		Glxy SA(rs)ab? pec	15	ESO 536-12 IRAS 23354-2315 PGC 71961
NGC 7717		Glxy (R)SB(r)0/a	13.5	MCG -3-60-8 PGC 71941
NGC 7709		Glxy SB0^ pec sp	13.5	MCG -3-60-2 IRAS 23328-1658 PGC 71828
NGC 7692		Glxy Irr	14	MCG -1-60-3 IRAS 23302-552 PGC 71712
NGC 7665	H438-3	Glxy Sm	13.5	MCG -2-59-19 IRAS 23246-939 PGC 71474
NGC 7663		Glxy Irr	15.5	MCG -1-59-23 PGC 71455
NGC 7656		Glxy S0 pec:	14.3	ESO 605-5 MCG -3-59-8 VV 669 PGC 71357
NGC 7646		Glxy Sc	14.7	IC 5318 PGC 71338 MCG -2-59-15 IRAS 23215-1208
NGC 7606	H104-1	Glxy SA(s)b	11.5	MCG -2-59-12 IRAS 23164-845 PGC 71047
NGC 7600	H431-2	Glxy S0- sp	12.9	MCG -1-59-19 PGC 71029
NGC 7596		Glxy S0	12.9	IC 1477 PGC 70932 MCG -1-59-11 IRAS 23145-711
NGC 7592	H186-3	Glxy S0+ pec:	15	MCG -1-59-17 MK 928 VV 731 IRAS 23157-441 PGC 70999
NGC 7585	H236-2	Glxy (R')SA(s)0+ pec	12.3	MCG -1-59-15 ARP 223 PGC 70986
NGC 7576	H454-2	Glxy SA(r)0+	13.7	MCG -1-59-12 IRAS 23148-500 PGC 70948
NGC 7573		Glxy SB(s)c	14.4	ESO 604-8 MCG -4-54-17 PGC 70893
NGC 7498		Glxy (R')Sab:	15.2	MCG -4-54-8 PGC 70590
NGC 7494		Glxy E1	15.5	ESO 535-5 MCG -4-54-7 PGC 70568
NGC 7492	H558-3	Globular	11.2	
NGC 7491		Glxy Sbc	14.5	MCG -1-59-2 IRAS 23054-614 PGC 70546
NGC 7450		Glxy (R)SB(r)a	14.1	MCG -2-58-19 MK 1126 PGC 70252
NGC 7444	H451-2	Glxy SB(r)0^? sp	13.9	MCG -2-58-16 PGC 70219
NGC 7443	H450-2	Glxy SB(s)0+: sp	12.6	MCG -2-58-15 PGC 70218
NGC 7441		Glxy (R')SAB(s)0+?	15.5	IC 1458 PGC 70186 MCG -1-58-13

# Aquarius - The Water Bearer

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 7425		Glxy S0/a	15.6	MCG -2-58-13 PGC 70097
NGC 7416		Glxy SB(r)b	13.2	MCG -1-58-4 PGC 70025
NGC 7406		Glxy Sbc	15	MCG -1-58-3 PGC 69947
NGC 7399		Glxy S0/a	14.5	MCG -2-58-6 PGC 69902
NGC 7393	H453-2	Glxy SB(rs)c pec	13.4	MCG -1-58-2 VV 68 ARP 15 PGC 69874
NGC 7392	H702-2	Glxy SA(s)bc	12.6	ESO 603-22 MCG -4-53-40 PGC 69887
NGC 7391	H443-2	Glxy E:	13.1	UGC 12211 MCG 0-58-6 CGCG 379-8 PGC 69847
NGC 7381		Glxy (R)Scd pec?	14.9	ESO 603-17 MCG -3-58-7A PGC 69828
NGC 7378		Glxy (R')SB(r)ab?	13.5	MCG -2-58-5 PGC 69734
NGC 7377	H598-2	Glxy SA(s)0+	12.1	ESO 534-26 MCG -4-53-38 IRAS 22451-2234 PGC 69733
NGC 7371	H477-2	Glxy (R)SA(r)0/a:	12.3	MCG -2-58-1 PGC 69677
NGC 7365		Glxy SA(rs)0-:	13.7	ESO 603-10 MCG -3-58-1 PGC 69651
NGC 7364	H442-2	Glxy S0/a pec:	13.6	UGC 12174 MCG 0-58-1 CGCG 379-2 PGC 69630
NGC 7359		Glxy S0 <sup>^</sup> : sp	13.5	ESO 534-22 MCG -4-53-34 PGC 69638
NGC 7351		Glxy SAB0 <sup>^</sup> :	13.1	MCG -1-57-22 PGC 69489
NGC 7349		Glxy SBb pec?	15	ESO 603-4 MCG -4-53-29 PGC 69488
NGC 7344		Glxy (R')SB(r)ab	13.8	MCG -1-57-20 PGC 69433
NGC 7341		Glxy SAB(r)ab:	13.3	ESO 534-11 MCG -4-53-27 PGC 69412
NGC 7310		Glxy SB(rs)bc:	14.6	ESO 533-49 MCG -4-53-15 IRAS 22318-2244 KAZ544 PGC 69202
NGC 7309	H476-2	Glxy SAB(rs)c	13	MCG -2-57-16 IRAS 22317-1036 PGC 69183
NGC 7308		Glxy (R')SAB(r)0-?	13.8	IC 1448 PGC 69194 MCG -2-57-17
NGC 7302	H31-4	Glxy SA(s)0-:	13.2	IC 5228 PGC 69094 MCG -2-57-13
NGC 7301		Glxy SB(s)ab pec:	14.1	ESO 602-23 MCG -3-57-15 VV 372 IRAS 22278-1749 PGC 69021
NGC 7300		Glxy SAB(rs)b:	13.6	MCG -2-57-11 PGC 69040
NGC 7298		Glxy SA(s)c:	14.3	MCG -2-57-10 MK 1124 IRAS 22281-1426 PGC 69033
NGC 7293		PI Neb 4+3	7.5	Helix Nebula PK 36-57.1 PNG 36.1-57.1
NGC 7288		Glxy S0/a pec sp	15	MCG -1-57-13 MK 912 IRAS 22256-308 PGC 68933
NGC 7287A		Glxy S0 <sup>^</sup> : sp	15.4	ESO 602-20A PGC 68960
NGC 7287		Glxy S0	16.8	ESO 602-20 PGC 68959
NGC 7285		Glxy SB(rs)a pec	12.8	ESO 533-32 MCG -4-53-5 VV 74 ARP 93 PGC 68953
NGC 7284	H469-2	Glxy SB(s)0 <sup>^</sup> pec	12.9	ESO 533-31 MCG -4-53-4 VV 74 ARP 93 PGC 68950
NGC 7269		Glxy Sb	14.5	MCG -2-57-5 IRAS 22231-1325 PGC 68841
NGC 7266		Glxy Sa	14.8	MCG -1-57-6 MK 910 IRAS 22213-419 PGC 68758
NGC 7260		Glxy	12.9	
NGC 7256		Glxy SBb	13.2	
NGC 7255		Glxy S0/a: sp	14.8	MCG -3-57-6 IRAS 22204-1547 PGC 68721
NGC 7252	H458-3	Glxy (R)SA(r)0 <sup>^</sup> :	12.1	ESO 533-15 MCG -4-52-36 ARP 226 IRAS 22179-2455 PGC 68612
NGC 7251	H933-3	Glxy (R')SA(rs)a?	12.6	MCG -3-57-2 IRAS 22177-1601 PGC 68604
NGC 7247		Glxy SB(s)b:	13.4	ESO 533-8 MCG -4-52-32 IRAS 22149-2358 PGC 68511
NGC 7246	H932-3	Glxy (R)SA(r)a:	15.4	IC 5198 PGC 68512 MCG -3-56-14 IRAS 22150-1549
NGC 7239		Glxy SAB0-	14.8	PGC 68388
NGC 7776		Glxy Sa	15.4	IC 1514 PGC 72812 MCG -2-60-22
NGC 7763		Glxy SB0?	16	PGC 72565
NGC 7761		Glxy SA(rs)0 <sup>^</sup> :	13.6	IC 5361 PGC 72641 MCG -2-60-20 IRAS 23488-1339
NGC 7759		Glxy SAB0 <sup>^</sup> pec:	14.5	MCG -3-60-18 PGC 72496

## Aquarius - The Water Bearer

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 6967		Glxy SB(rs)0+?	13.1	PGC 65386
NGC 6963		Glxy S0^:	14.1	NGC 6965 IC 5058 PGC 65376 MCG 0-53-4 CGCG 374-16
NGC 6961		Glxy E+ pec?	14.7	CGCG 374-14 PGC 65372
<b>Sub Total:</b>		<b>279</b>		
<b>Total:</b>		<b>358</b>		

## Ara - The Altar

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 6188		Nebula E+R		
NGC 6204		Open Cl 9.6 I 3 m	8.2	
NGC 6215		Glxy SA(s)c	12	ESO 137-46 IRAS 16467-5854 PGC 59112
NGC 6215A		Glxy SAB?	14.2	ESO 138-4 PGC 59180
IC 4651		Open Cl 10.0 II 2 r	6.9	
IC 4646		Glxy SA(rs)c:	12.6	ESO 138-23 IRAS 17194-5957 PGC 60208
NGC 6328		Glxy SAB(s)ab	13.2	ESO 102-3 PGC 60198
NGC 6326		PI Neb 3b	12.2	
NGC 6305		Glxy SB(s)0- pec?	13.2	ESO 138-19 PGC 60029
NGC 6300		Glxy SB(rs)b	11	ESO 101-25 VV 734 IRAS 17123-6245 PGC 60001
IC 4642		PI Neb 4	13.4	
NGC 6253		Open Cl 13.0 II 1 m	10.2	
NGC 6250		Open Cl 7.6 II 3 r	5.9	
IC 1266		PI Neb		
NGC 6397		Globular	5.3	
IC 4656		Glxy SA(s)c:	13.7	ESO 102-10 IRAS 17329-6341 PGC 60595
IC 4658		Non-Existent		ESO 139-10 PGC 60555
IC 4655		Non-Existent		(STAR)
NGC 6362		Globular	8.1	
IC 4653		Glxy SB(r)0/a pec:	13.2	ESO 138-28 IRAS 17225-6050 PGC 60311
IC 4652		Glxy Sb:	14.1	ESO 138-25 IRAS 17220-5941 PGC 60290
NGC 6352		Globular	7.8	
NGC 6221		Glxy SB(s)c	10.7	ESO 138-3 IRAS 16484-5908 PGC 59175
NGC 6208		Open Cl 10.0 III 2 r	7.2	
NGC 6200		Open Cl 9.2 II 2 m	7.4	
NGC 6193		Open Cl 5.7 II 3 p n	5.2	
<b>Sub Total:</b>		<b>26</b>		
<b>Total:</b>		<b>26</b>		

## Aries - The Ram

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 674		Non-Existent		
IC 1743		Non-Existent		NGC 716
IC 1730		Non-Existent		MCG 4-5-15A CGCG 482-20 PGC 6732
IC 1744		Non-Existent		NGC 719 UGC 1360 MCG 3-5-26 CGCG 460-40 PGC 7019
NGC 1240	H164-3	Non-Existent		
IC 1893		Non-Existent		
IC 1891		Non-Existent		
NGC 1170		Non-Existent		
NGC 1117A		Non-Existent		
NGC 1113		Non-Existent		
NGC 1112		Non-Existent		
IC 1855		Non-Existent		
IC 1852		Non-Existent		NGC 1109 UGC 2293 MCG 2-8-11 CGCG 440-15 IRAS 2462+1301 PGC 10660
IC 1850		Non-Existent		
NGC 1059		Non-Existent		
IC 1829		Non-Existent		NGC 1036 IC 1828
IC 1828		Non-Existent		NGC 1036 IC 1829 UGC 2160 MCG 3-7-41 MK 370 CGCG 462-41 IRAS 2376+1904 PGC 10127
IC 1806		Non-Existent		
IC 1804		Non-Existent		
IC 1802		Non-Existent		
NGC 930		Non-Existent		NGC 932
IC 1798		Non-Existent		
NGC 901		Non-Existent		
IC 191		Non-Existent		NGC 794 UGC 1528 MCG 3-6-24 CGCG 461-31 PGC 7763

**Sub Total: 24**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 163		Glxy SBdm	13.6	UGC 1276 MCG 3-5-18 CGCG 460-28 IRAS 1465+2027 PGC 6675
IC 193		Glxy SA(rs)c	14.1	UGC 1529 MCG 2-6-16 CGCG 438-17 KARA84 PGC 7765
IC 255		Glxy SB	15.7	MCG 3-8-8 CGCG 463-12 PGC 10540
IC 248		Glxy Sa:	14.3	UGC 2170 MCG 3-7-44 CGCG 462-43 IRAS 2386+1735 PGC 10197
IC 238		Glxy S0	13.8	UGC 2070 MCG 2-7-16 CGCG 439-18 PGC 9835
IC 235		Glxy Pec	14.9	UGC 2016 MK 368 CGCG 462-22 IRAS 2300+2025 PGC 9698
IC 222		Glxy Sc	15.2	MCG 2-7-4 CGCG 439-3 PGC 9036
IC 213		Glxy SAB(rs)b	14.6	UGC 1719 MCG 3-6-46 CGCG 461-67 PGC 8556
IC 212		Glxy	15.2	CGCG 461-62 PGC 8527
IC 196		Glxy SBb:	13.6	UGC 1556 MCG 2-6-18 CGCG 438-20 VV 309 ARP 290 PGC 7856
IC 195		Glxy SAB0^	14	UGC 1555 MCG 2-6-17 CGCG 438-19 VV 309 ARP 290 PGC 7846
IC 279		Glxy	15.2	CGCG 463-45 PGC 11401
IC 267		Glxy (R')SB(s)b	12.9	UGC 2368 MCG 2-8-28 CGCG 440-28 IRAS 2511+1238 PGC 10932
IC 192		Glxy S0	14.5	UGC 1530 MCG 3-6-25 CGCG 461-32 PGC 7768
IC 167		Glxy SAB(s)c	13.1	UGC 1313 MCG 4-5-21 CGCG 482-25 ARP 31 IRAS 1483+2139 PGC 6833
IC 181		Glxy C	15.6	MCG 4-5-30 CGCG 482-40 PGC 7559

## Aries - The Ram

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 189		Glxy SB?	14.8	MCG 4-5-39 CGCG 482-51 IRAS 1590+2318 PGC 7716
IC 190		Glxy E?	15.1	MCG 4-5-40 CGCG 482-52 PGC 7731
IC 180		Glxy S	15.3	MCG 4-5-29 CGCG 482-39 PGC 7558
PGC 6627		Glxy Scd:	15.2	UGC 1261 MCG 2-5-34 CGCG 437-32
PGC 6855		Glxy SA(s)c	14.8	UGC 1322 MCG 2-5-53 CGCG 437-48
PGC 6817		Glxy S?	14.8	UGC 1312 MCG 2-5-51 CGCG 437-47
PGC 6749		Glxy	15.7	CGCG 437-45
PGC 6694		Glxy S0/a	14.1	UGC 1282 MCG 2-5-46 MK 577 CGCG 437-42
PGC 6687		Glxy S	15.3	UGC 1279 MCG 2-5-45 CGCG 437-41
PGC 6678		Glxy Sc	15.4	UGC 1278 MCG 2-5-44 CGCG 437-40
PGC 6670		Glxy Sa:	14.9	UGC 1274 MCG 2-5-43 CGCG 437-38
PGC 6657		Glxy SB0	14.1	UGC 1271 MCG 2-5-40 CGCG 437-36
PGC 6654		Glxy S	15.2	UGC 1268 MCG 2-5-37 CGCG 437-35
PGC 7707		Glxy	15.5	CGCG 482-50
PGC 7687		Glxy SBc	15.7	MCG 3-6-17 CGCG 461-26
PGC 7644		Glxy S0	14.2	UGC 1496 MCG 2-6-11 CGCG 438-12
PGC 7594		Glxy S?	14.9	UGC 1479 MCG 4-5-34 CGCG 482-43 IRAS 1574+2413
PGC 7569		Glxy C	15.3	MCG 4-5-31 CGCG 482-41 5ZW162
PGC 7359		Glxy Sbc	14.6	UGC 1432 MCG 3-6-4 CGCG 461-10 VV 12 ARP 56 KARA76
PGC 7342		Glxy C	15.6	CGCG 438-8
PGC 7221		Glxy	15.7	CGCG 460-51 CGCG 461-5
PGC 6885		Glxy	15.7	CGCG 460-35
PGC 9475		Glxy S?	15.3	UGC 1965 MCG 3-7-18 CGCG 462-18
PGC 9313		Glxy SB?	15.3	MCG 3-7-13 CGCG 462-13
PGC 9233		Glxy SB(r)b	15.3	UGC 1885 MCG 4-6-35 CGCG 483-44
PGC 9220		Glxy Sd	15.5	MCG 4-6-32 CGCG 483-38
PGC 9102		Glxy Sb	15.2	UGC 1848 MCG 4-6-23 CGCG 483-27
PGC 9086		Glxy SBdm	15.2	UGC 1844 MCG 4-6-21 CGCG 483-25
PGC 9076		Glxy	15.6	CGCG 483-24
PGC 8964		Glxy Sd	14.6	UGC 1817 MCG 2-7-3 CGCG 439-1
PGC 8561		Glxy E	16.8	Hickson 17A
PGC 11106		Glxy	15.7	CGCG 463-36
PGC 11105		Glxy Compact	15	UGC 2413 MCG 3-8-31 CGCG 463-35
PGC 11083		Glxy Sa	15.2	UGC 2406 MCG 3-8-30 CGCG 463-34
PGC 11069		Glxy	15.4	CGCG 463-33
PGC 10917		Glxy SB	15.1	MCG 2-8-26
PGC 10907		Glxy Im	14.9	UGC 2362 MCG 2-8-25 CGCG 440-25 VV 606
PGC 10821		Glxy E	15.5	UGC 2337 MCG 2-8-20
PGC 10757		Glxy compact	15.4	UGC 2320 MCG 2-8-14 CGCG 440-19 ARAK92 VV 221 ARP 190
PGC 10755		Glxy S	15.2	UGC 2320 MCG 2-8-15 CGCG 440-19 VV 221 ARP 190
PGC 10575		Glxy SAdm:	14.6	UGC 2266
PGC 10456		Glxy Sc	15.6	MCG 3-8-6 CGCG 463-8
PGC 10369		Glxy S	17.7	Hickson 20D
PGC 10368		Glxy S	18.8	Hickson 20F
PGC 10367		Glxy S	18	Hickson 20E

## Aries - The Ram

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 10366		Glxy L	16.9	Hickson 20C
PGC 10365		Glxy L	17	Hickson 20B
PGC 10364		Glxy S	17.2	Hickson 20A
PGC 10254		Glxy Sc	15.7	MCG 3-7-47 CGCG 462-46 ARAK90
PGC 10046		Glxy SB0/a: sp	15.5	UGC 2140A MCG 3-7-38 VV 143 ARP 258 ANON 236+18B Hickson 18A
PGC 10044		Glxy IB(s)m pec	15.4	UGC 2140 MCG 3-7-37 CGCG 462-37 VV 143 ARP 258 ANON 236+18A Hickson 18B
PGC 10043		Glxy S?	16.1	Hickson 18C ARP 258
PGC 10042		Glxy S?	15.6	Hickson 18D ARP 258
PGC 9888		Glxy Scd:	13.7	UGC 2082 MCG 4-7-16 CGCG 484-14 IRAS 2333+2512 KARA112
PGC 9764		Glxy S	15.5	MCG 2-7-15 IRAS 2311+1059
PGC 9638		Glxy Scd:	14.6	UGC 1999 MCG 3-7-21 CGCG 462-19
PGC 8560		Glxy E	17.7	Hickson 17C
PGC 8558		Glxy E	16.8	Hickson 17B
PGC 8058		Glxy S	15.5	MCG 2-6-31 CGCG 438-28
PGC 8057		Glxy S	15.5	MCG 2-6-30 CGCG 438-28
PGC 7966		Glxy Scd:	15.5	UGC 1584 MCG 2-6-25
PGC 7826		Glxy SAB(s)c	14.4	UGC 1546 CGCG 461-35 ANON 200+18
PGC 7758		Glxy C	15.3	UGC 1524 MCG 4-5-41 5ZW168
PGC 7729		Glxy C	16.6	5ZW167
PGC 11201		Glxy SB	15.4	MCG 3-8-37
PGC 11185		Glxy E/S0	15.8	MCG 3-8-36 CGCG 463-41
PGC 11169		Glxy S	16.4	MCG 3-8-34
PGC 11167		Glxy	15.6	CGCG 440-36
PGC 11133		Glxy Sb	16.3	UGC 2420
PGC 6633		Glxy (R')SB(s)a	14	UGC 1260 MK 575 CGCG 437-31 IRAS 1458+1221 ANON 145+12
PGC 6634		Glxy S	14.8	UGC 1263 MCG 2-5-35
IC 1736		Glxy Sbc	14.9	UGC 1309 MCG 3-5-20 CGCG 460-32 PGC 6814
IC 1774		Glxy SAB(s)d	14.5	UGC 1559 MCG 2-6-20 CGCG 438-21 PGC 7863
IC 1777		Glxy S	15.6	MCG 2-6-29 CGCG 438-27 PGC 8021
IC 1790		Glxy S	15.5	UGC 1762 MCG 2-6-55 CGCG 438-50 PGC 8752
IC 1794		Glxy S0?	14.7	MCG 3-7-3 CGCG 462-4 IRAS 2187+1532 PGC 8963
NGC 935		Glxy Scd:	13.6	UGC 1937 MCG 3-7-15 CGCG 462-16 VV 238 ARP 276 PGC 9388
NGC 932	H489-2	Glxy SAa	13.3	NGC 930 PGC 9379 UGC 1931 MCG 3-7-14 CGCG 462-14 IRAS 2251+2006
NGC 928		Glxy S?	14.9	MCG 4-6-50 CGCG 483-60 PGC 9368
NGC 927		Glxy SB(r)c	14.1	UGC 1908 MCG 2-7-9 MK 593 CGCG 439-9 IRAS 2239+1155 PGC 9292
NGC 924	H474-3	Glxy S0	13.4	UGC 1912 MCG 3-7-12 CGCG 462-12 PGC 9302
NGC 919		Glxy Sab	15.4	UGC 1894 MCG 4-6-39 CGCG 483-49 PGC 9267
NGC 918		Glxy SAB(rs)c:	13.1	UGC 1888 MCG 3-7-11 CGCG 462-11 IRAS 2230+1816 KARA103 PGC 9236
NGC 916		Glxy	14.9	MCG 4-6-34 CGCG 483-43 IRAS 2231+2702 PGC 9245
NGC 915		Glxy	15.1	MCG 4-6-33 CGCG 483-41 PGC 9232
NGC 904		Glxy E	14.6	UGC 1852 MCG 4-6-24 CGCG 483-28 PGC 9112
NGC 903		Glxy		PGC 9097
NGC 900		Glxy S0	14.7	UGC 1843 MCG 4-6-20 CGCG 483-23 PGC 9079
NGC 882		Glxy S0	14.6	UGC 1789 MCG 3-6-52 CGCG 462-1 CGCG 461-73 PGC 8874
NGC 877	H246-2	Glxy SAB(rs)bc	12.6	UGC 1768 MCG 2-6-58 CGCG 438-52 PGC 8775

## Aries - The Ram

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 876		Glxy SAc: sp	14.5	UGC 1766 MCG 2-6-57 PGC 8770
NGC 871	H201-3	Glxy SB(s)c:	14.2	UGC 1759 MCG 2-6-53 CGCG 438-46 IRAS 2144+1419 PGC 8722
NGC 870		Glxy S	18.1	MCG 2-6-52 PGC 8721
NGC 821	H152-1	Glxy E6?	11.7	UGC 1631 MCG 2-6-34 CGCG 438-33 KARA89 PGC 8160
NGC 820		Glxy Sb	13.6	UGC 1629 MCG 2-6-36 CGCG 438-31 IRAS 2057+1406 PGC 8165
NGC 817		Glxy S?	14.2	UGC 1611 MCG 3-6-33 CGCG 461-47 IRAS 2048+1657 PGC 8109
NGC 810		Glxy E?	14.9	UGC 1583 MCG 2-6-26 CGCG 438-24 PGC 7965
NGC 803	H208-3	Glxy SA(s)c: sp	13.2	UGC 1554 MCG 3-6-28 CGCG 461-38 IRAS 2010+1547 PGC 7849
NGC 794	H207-3	Glxy S0-:	13.8	IC 191 PGC 7763 UGC 1528 MCG 3-6-24 CGCG 461-31
NGC 792		Glxy S0	14.1	UGC 1517 MCG 2-6-15 CGCG 438-14 IRAS 1595+1528 PGC 7744
NGC 786		Glxy S?	14.3	UGC 1506 MCG 2-6-12 CGCG 438-13 IRAS 1587+1524 PGC 7680
NGC 781	H215-3	Glxy S?	14	UGC 1482 MCG 2-6-10 CGCG 438-11 KARA81 PGC 7577
NGC 776		Glxy SAB(rs)b	13.2	UGC 1471 MCG 4-5-28 CGCG 482-37 IRAS 1570+2323 PGC 7560
NGC 774	H214-3	Glxy S0	14	UGC 1469 MCG 2-6-8 CGCG 438-10 PGC 7536
NGC 772	H112-1	Glxy SA(s)b	11.1	UGC 1466 MCG 3-6-11 CGCG 461-18 ARP 78 IRAS 1565+1845 KARA80 PGC 7525
NGC 770		Glxy E3:	13.9	UGC 1463 MCG 3-6-10 CGCG 461-16 ARP 78 PGC 7517
NGC 765		Glxy SAB(rs)bc	13.6	UGC 1455 MCG 4-5-25 CGCG 482-33 IRAS 1559+2439 PGC 7475
NGC 722		Glxy S?	14.4	UGC 1379 MCG 3-5-32 CGCG 460-46 PGC 7098
NGC 719		Glxy S0?	14.2	IC 1744 PGC 7019 UGC 1360 MCG 3-5-26 CGCG 460-40
NGC 716		Glxy SBa:	13.8	IC 1743 UGC 1351 MCG 2-5-54 CGCG 437-49 IRAS 1503+1227 PGC 6982
NGC 711		Glxy S0	14.1	UGC 1342 MCG 3-5-24 CGCG 460-38 PGC 6940
NGC 697	H179-3	Glxy SAB(r)c:	13.6	PGC 6848 UGC 1317 MCG 4-5-22 CGCG 482-27 IRAS 1485+2206
NGC 695	H618-2	Glxy S0? pec	13.8	UGC 1315 CGCG 482-26 5ZW123 IRAS 1484+2220 PGC 6844
NGC 694		Glxy S0? pec	13.7	UGC 1310 MCG 4-5-20 MK 363 CGCG 482-24 5ZW122 IRAS 1481+2144 PGC 6816
NGC 691	H617-2	Glxy SA(rs)bc	11.4	UGC 1305 MCG 4-5-19 CGCG 482-23 CGCG 460-31 IRAS 1479+2130 PGC 6793
NGC 683		Glxy S?	14.5	UGC 1288 MCG 2-5-47 CGCG 437-43 IRAS 1471+1127 PGC 6718
NGC 680	H229-2	Glxy E+ pec:	11.9	UGC 1286 MCG 4-5-15 CGCG 482-19 PGC 6719
NGC 678	H228-2	Glxy SB(s)b: sp	13.3	UGC 1280 MCG 4-5-14 CGCG 482-18 PGC 6690
NGC 677		Glxy E	13.2	UGC 1275 MCG 2-5-42 CGCG 437-39 IRAS 1464+1249 PGC 6673
NGC 675		Glxy S	15.3	UGC 1273 MCG 2-5-41 MK 1166 CGCG 437-37 PGC 6665
NGC 673	H589-2	Glxy SAB(s)c	13.2	UGC 1259 MCG 2-5-33 CGCG 437-30 IRAS 1457+1116 PGC 6624
NGC 671		Glxy S?	14.2	UGC 1247 MCG 2-5-29 CGCG 437-27 IRAS 1443+1252 PGC 6546
MCG +3-8-32		Glxy E/S0	14.2	
MAC 0206+1507		Glxy	15.5	
MAC 0205+1509		Glxy	15.5	
MAC 0157+1443		Glxy	16.5	
MAC 0157+1442		Glxy	16	
MAC 0157+1430		Glxy	16	
IC 1894		Glxy	15.6	CGCG 464-6 PGC 11857
IC 1890		Glxy S0	15.6	MCG 3-9-4 CGCG 464-5 PGC 11837
IC 1861		Glxy SA0 <sup>^</sup>	14.3	UGC 2357 MCG 4-7-28 CGCG 484-23 KARA120 PGC 10905
IC 1857		Glxy S?	14.9	UGC 2312 MCG 2-8-13 CGCG 440-16 PGC 10715
MAC 0255+1606		Glxy	16.5	
MAC 0255+1605		Glxy	16	

## Aries - The Ram

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC 0255+1559		Glxy	16.5	
MAC 0255+1552		Glxy	16	
MAC 0255+1545		Glxy	15.5	
MAC 0245+1855		Glxy	15.5	
MAC 0244+2608		Glxy	16.5	
MAC 0244+1924		Glxy	16.5	
MAC 0239+1822B		Glxy	17	ARP 258
MAC 0257+1559A		Glxy	15.5	
MAC 0257+1559		Glxy	16.5	
MAC 0257+1558		Glxy	15.5	
MAC 0257+1551		Glxy	16.5	
MAC 0257+1543		Glxy	16	
MAC 0257+1539		Glxy	16	
MAC 0257+1537		Glxy	16.5	
MAC 0257+1532		Glxy	16	
MAC 0257+1526		Glxy	16.5	
MAC 0309+1910		Glxy	16	
MAC 0258+1605		Glxy	16	
MAC 0258+1604		Glxy	16	
MAC 0257+1614		Glxy	16	
MAC 0257+1610		Glxy	16	
MAC 0257+1606		Glxy	15.5	
MAC 0257+1602		Glxy	16	
MAC 0256+1601		Glxy	16.5	
MAC 0256+1600		Glxy	15.5	
MAC 0256+1557		Glxy	16	
MAC 0256+1552		Glxy	15.5	
MAC 0256+1545A		Glxy	17	
MAC 0256+1545		Glxy	17	
MAC 0256+1543		Glxy	16	
MAC 0256+1539		Glxy	16.5	
MAC 0239+1822A		Glxy	17	ARP 258
MAC 0239+1819		Glxy	15.5	
MAC 0225+2020		Glxy	16	
MAC 0223+2636		Glxy	16.5	
MAC 0223+2633		Glxy	16	
MAC 0223+1138		Glxy	16	
MAC 0213+1320		Glxy	16.5	
MAC 0206+1516		Glxy	16.5	
IC 1854		Glxy S0	14.9	MK 372 CGCG 463-20 PGC 10684
IC 1847		Glxy	15.7	CGCG 440-10 PGC 10580
IC 1846		Glxy Compact	15	UGC 2265 MCG 2-8-6 CGCG 440-8 PGC 10573
IC 1842		Glxy	15.5	CGCG 440-3 KARA117 PGC 10428
IC 1841		Glxy SBb	15.1	CGCG 463-7 PGC 10442
IC 1839		Glxy Sb-c	15	UGC 2220 MCG 2-8-1 CGCG 440-2 PGC 10394

## Aries - The Ram

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 1838		Glxy S	15.3	MCG 3-8-2 CGCG 463-5 PGC 10389
IC 1835		Glxy	15.7	CGCG 439-27 CGCG 440-1 PGC 10342
IC 1832		Glxy S0	15.1	MCG 3-7-45 CGCG 462-44 PGC 10216
IC 1821		Glxy	15.4	CGCG 439-20 PGC 9898
IC 1817		Glxy Sm	15.5	MCG 2-7-14 CGCG 439-16 PGC 9757
IC 1809		Glxy (R')SB(s)ab	14.8	UGC 1996 MCG 4-7-4 CGCG 484-2 3ZW48 IRAS 2288+2241 PGC 9616
IC 1807		Glxy E	15.6	MCG 4-6-62 CGCG 483-71 PGC 9547
IC 1803		Glxy S0?	14.6	MCG 4-6-57 CGCG 483-67 PGC 9462
IC 1801		Glxy SBb:	14.6	UGC 1936 MCG 3-7-16 CGCG 462-15 VV 238 ARP 276 PGC 9392
IC 1797		Glxy SB	15.3	UGC 1880 MCG 3-7-10 CGCG 462-10 ARAK83 IRAS 2226+2010 PGC 9205
IC 1791		Glxy S0	14.3	UGC 1764 MCG 2-6-56 CGCG 438-51 PGC 8758
IC 1780		Glxy Sb	15.5	MCG 2-6-32 CGCG 438-29 PGC 8070
IC 1775		Glxy SBbc	17.1	MCG 2-6-23 PGC 7958
IC 1764		Glxy SB(r)b	14.1	UGC 1486 MCG 4-5-33 CGCG 482-44 IRAS 1575+2420 PGC 7603
IC 1742		Glxy S?	15.1	MCG 4-5-23 CGCG 482-28 KARA67 PGC 6996
IC 1755		Glxy Sa	14.7	UGC 1428 MCG 2-6-5 CGCG 438-7 PGC 7341
IC 1748		Glxy SABbc	14.5	UGC 1403 MCG 3-6-2 CGCG 460-52 CGCG 461-6 PGC 7229
NGC 938		Glxy E	13.4	UGC 1947 MCG 3-7-17 CGCG 462-17 PGC 9423
NGC 962		Glxy E	13.9	UGC 2013 MCG 5-7-4 CGCG 505-3 PGC 9682
NGC 984		Glxy SA0+	13.8	UGC 2059 MCG 4-7-12 CGCG 484-10 5ZW257 PGC 9819
NGC 992		Glxy S?	13.6	UGC 2103 MCG 3-7-35 CGCG 462-35 ARAK88 IRAS 2345+2053 ANON 234+20 PGC 9938
NGC 1056	H584-3	Glxy Sa:	13.3	UGC 2183 MCG 5-7-32 MK 1183 CGCG 505-36 IRAS 2398+2821 PGC 10272
NGC 1054		Glxy S?	14.6	MCG 3-7-46 CGCG 462-45 IRAS 2394+1800 PGC 10242
NGC 1036	H475-3	Glxy Pec?	13.8	IC 1828 IC 1829 PGC 10127 UGC 2160 MCG 3-7-41 MK 370 CGCG 462-41 IRAS 2376+1904
NGC 1030	H581-3	Glxy S?	14.2	UGC 2153 MCG 3-7-39 CGCG 462-39 IRAS 2370+1748 PGC 10088
NGC 1029		Glxy S0/a	14.1	UGC 2149 MCG 2-7-24 CGCG 439-24 PGC 10078
NGC 1028		Glxy Sa	15.3	MCG 2-7-23 CGCG 439-25 PGC 10068
NGC 1024	H592-2	Glxy (R')SA(r)ab	13.1	UGC 2142 MCG 2-7-20 CGCG 439-22 ARP 333 IRAS 2365+1037 PGC 10048
NGC 1012	H152-3	Glxy S0/a?	13	UGC 2141 MCG 5-7-27 CGCG 505-30 IRAS 2362+2956 PGC 10051
NGC 990	H557-3	Glxy E	13.5	UGC 2089 MCG 2-7-18 CGCG 439-19 PGC 9890
NGC 1236		Glxy	15.7	CGCG 441-3 PGC 11898
NGC 1168		Glxy SAB(rs)b:	15	UGC 2476 MCG 2-8-47 CGCG 440-42 PGC 11378
NGC 1166		Glxy Sab	14.9	UGC 2471 MCG 2-8-46 CGCG 440-41 IRAS 2579+1138 PGC 11372
NGC 1156	H619-2	Glxy IB(s)m	12.3	UGC 2455 MCG 4-8-6 CGCG 485-6 VV 531 IRAS 2567+2502 KARA121 PGC 11329
NGC 1134	H254-2	Glxy S?	13.1	UGC 2365 MCG 2-8-27 CGCG 440-27 ARP 200 IRAS 2509+1248 PGC 10928
NGC 1127		Glxy (R)SB(r)ab:	15.3	UGC 2356 MCG 2-8-24 CGCG 440-24 PGC 10889
NGC 1117		Glxy E	14.9	UGC 2337 MCG 2-8-19 CGCG 440-22 PGC 10822
NGC 1116		Glxy Sab	15.2	UGC 2326 MCG 2-8-17 CGCG 440-21 PGC 10781
NGC 1115		Glxy Sb	15.7	MCG 2-8-16 CGCG 440-20 PGC 10774
NGC 1111		Glxy		PGC 10719
NGC 1109		Glxy SAB(s)c	14.5	IC 1846 PGC 10660 UGC 2293 MCG 2-8-11 CGCG 440-15 IRAS 2462+1301
NGC 1088	H582-3	Glxy S0/a	14.5	UGC 2253 MCG 3-8-9 CGCG 463-11 PGC 10536
NGC 972	H211-2	Glxy Sab	12.3	UGC 2045 MCG 5-7-10 CGCG 505-12 IRAS 2312+2905 KUG 231+290 PGC 9788
NGC 976		Glxy SA(rs)c:	13.3	UGC 2042 MCG 3-7-27 CGCG 462-27 IRAS 2311+2045 PGC 9776

# Aries - The Ram

Observed: Yes  
Object

Her Type

Mag Alias/Notes

*Sub Total:* 239

*Total:* 263

## Auriga - The Charioteer

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 397		Non-Existent		(STAR)
IC 2170		Non-Existent		
IC 439		Non-Existent		
IC 403		Non-Existent		(STAR)
IC 425		Non-Existent		
NGC 2013		Non-Existent		
IC 436		Non-Existent		
IC 419		Non-Existent		

**Sub Total: 8**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 405		Nebula E		the Flaming Star
IC 406		Open Cl		
IC 417		Nebula E		
IC 410		Nebula E		
NGC 1664	H59-8	Open Cl 10.0 III 1 p	7.6	
NGC 1790		Open Cl 10.0 asterism?		
NGC 1857	H33-7	Open Cl 11.0 I 3 m	7	
NGC 1893		Open Cl 9.3 II 3 r n	7.5	
NGC 1912		Open Cl 8.0 II 2 r	6.4	M 38 Cr 67
NGC 1960		Open Cl 9.0 I 3 r	6	M 36 Cr 71
NGC 2387	H820-2	Glxy	15.3	CGCG 177-23 PGC 21105
NGC 2303		Glxy E	13.6	UGC 3603 MCG 8-13-31 CGCG 234-30 PGC 19891
NGC 2281	H71-8	Open Cl 8.0 I 3 m	5.4	
NGC 2208		Glxy S0:	13.8	UGC 3452 MCG 9-11-10 CGCG 260-7 PGC 18911
NGC 2192	H57-7	Open Cl 14.0 II 2 m	10.9	
NGC 2165		Open Cl 10.0 sparse gr		
NGC 2126	H68-8	Open Cl 13.0 III 2 m	10.2	
NGC 2099		Open Cl 11.0 I 2 r	5.6	M 37 Cr 75
NGC 1985	H865-3	Nebula R	12.5	
NGC 1931	H261-1	Open Cl I 3 p n	10.1	
NGC 1907	H39-7	Open Cl 11.0 I 1 m n	8.2	
NGC 1883	H34-7	Open Cl 14.0 II 1 m	12	
NGC 2242		PI Neb	15.1	PNG 170.3+15.8
NGC 2240	H49-8	Open Cl sparse gr		
NGC 1798		Open Cl 13.0 I 1 m	10	
NGC 1778	H61-8	Open Cl 10.1 III 2 p	7.7	
NGC 1724		Open Cl asterism		
IC 2120		PI Neb Planetary?		Minkowski 2-3 PK 169-0.1
MAC 0656+4522		Glxy	16	
MAC 0656+4517		Glxy	15.5	
MAC 0655+4510		Glxy	16	
IC 2190		Glxy SBbc:	14.8	UGC 3880 MCG 6-17-13 CGCG 177-26 PGC 21144

## Auriga - The Charioteer

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 2149		PI Neb 3b+2	11.2	PK 166+10.1 PNG 166.1+10.4
IC 2175		Glxy SBc:	14.6	UGC 3623 MCG 6-16-7 CGCG 176-6 PGC 19981
IC 2168		Open Cl		
PAL 2		Globular	13	Palomar 2
STOCK 8		Open Cl I		APPROX 40*S
PGC 21166		Glxy S	15.6	CGCG 177-28 KUG 727+374
PGC 19889		Glxy S	16.5	MCG 8-13-30
PGC 19829		Glxy S0	14.6	UGC 3588 MCG 8-13-26 CGCG 234-27
PGC 19215		Glxy Sab	14.9	UGC 3479 CGCG 175-5
PGC 19199		Glxy S	15	MCG 6-15-2 CGCG 175-3

**Sub Total: 42****Total: 50**

## Bootes - The Herdsman

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 909		Glxy Compact	15	MCG 4-32-23 CGCG 131-22 KUG 1338+247 PGC 48408
IC 944		Glxy Sa	14.3	UGC 8766 MCG 2-35-19 CGCG 73-85 IRAS 13490+1420 KUG 1349+143 PGC 49204
IC 970		Glxy S0/a	15.1	UGC 8949 MCG 3-36-28 CGCG 103-49 KUG 1400+147 PGC 50010
NGC 5418		Glxy SB?	14.4	UGC 8946 MCG 1-36-16 CGCG 46-40 IRAS 13597+755 PGC 49997
NGC 5417	H11-3	Glxy Sa	13.9	UGC 8943 MCG 1-36-15 CGCG 46-39 PGC 49995
NGC 5416	H56-3	Glxy Scd:	13.3	UGC 8944 MCG 2-36-14 CGCG 74-52 IRAS 13597+940 PGC 49991
NGC 5414		Glxy S?	13.8	UGC 8942 MCG 2-36-13 MK 800 CGCG 74-50 IRAS 13595+1010 PGC 49976
NGC 5411		Glxy S0-:	14.4	UGC 8940 MCG 2-36-11 CGCG 74-47 PGC 49967
NGC 5409		Glxy (R')SAB(s)b	14.1	UGC 8938 MCG 2-36-9 CGCG 74-44 PGC 49952
NGC 5405		Glxy S?	14.4	UGC 8928 MCG 1-36-14 CGCG 46-36 IRAS 13586+756 PGC 49906
IC 967		Glxy Spiral	14.8	MCG 3-36-15 CGCG 103-31 IRAS 13559+1442 KUG 1355+147 PGC 49721
IC 965		Glxy S	15.1	MCG 3-36-11 CGCG 103-26 PGC 49667
IC 964		Glxy	15.5	MCG 3-36-10 CGCG 103-24 ARAK433 PGC 49661
IC 963		Glxy S	15.2	MCG 3-36-9 CGCG 103-23 KUG 1355+176 PGC 49647
IC 962		Glxy S?	14.2	UGC 8868 MCG 2-36-3 CGCG 74-15 PGC 49626
IC 959		Glxy Sa	13.8	UGC 8848 MCG 2-36-1 CGCG 74-7 PGC 49540
IC 960		Glxy Double System	14.6	UGC 8849 MCG 3-36-3 CGCG 103-13 VV 335 PGC 49535
IC 4348		Glxy S	15.8	MCG 4-33-30 CGCG 132-50 PGC 49531
IC 961		Glxy S	15.4	MCG 4-33-31 MK 664 CGCG 132-52 PGC 49522
IC 956		Glxy	15.7	CGCG 132-42 PGC 49444
IC 4342		Glxy S	15.4	MCG 4-33-21 CGCG 132-39 PGC 49425
IC 950		Glxy S	15.1	UGC 8780 MCG 3-35-32 CGCG 102-73 PGC 49280
IC 948		Glxy E	14.1	UGC 8779 MCG 2-35-23 CGCG 73-92 PGC 49281
IC 4337		Glxy	15.2	CGCG 102-71 PGC 49253
IC 949		Glxy S-Irr	15.1	UGC 8777 MCG 4-33-15 CGCG 132-26 IRAS 13499+2246 PGC 49265
IC 946		Glxy Sa	14.4	UGC 8772 MCG 2-35-21 CGCG 73-89 PGC 49244
NGC 5332		Glxy S0-:	13.9	UGC 8773 MCG 3-35-30 CGCG 102-70 PGC 49243
NGC 5463A		Non-Existent		
IC 4373		Glxy	15.3	CGCG 132-75 PGC 50274
NGC 5446	H57-3	Non-Existent		NGC 5438 PGC 50239 CGCG 74-93
NGC 5459		Glxy S0	14.1	UGC 9005 MCG 2-36-37 CGCG 74-90 PGC 50215
NGC 5456		Glxy S0	13.9	UGC 9004 MCG 2-36-36 CGCG 74-89 PGC 50213
NGC 5454		Glxy S0	13.7	UGC 8997 MCG 3-36-42 CGCG 103-64 PGC 50192
IC 4365		Non-Existent		
NGC 5434B		Glxy Sc	14	
NGC 5434A		Non-Existent		
NGC 5504A		Non-Existent		
NGC 5504B		Non-Existent		
NGC 5499		Glxy S?	14.5	UGC 9074 MCG 6-31-76 CGCG 191-60 IRAS 14086+3609 PGC 50623
NGC 5492	H876-2	Glxy Sb pec?	13.6	UGC 9065 MCG 3-36-74 CGCG 103-106 IRAS 14082+1950 PGC 50613
NGC 5497		Glxy SB(s)b	14.9	UGC 9069 MCG 7-29-48 CGCG 219-54 KUG 1408+391B PGC 50610
NGC 5500	H674-3	Glxy E	14.3	UGC 9070 MCG 8-26-8 MK 806 CGCG 247-7 PGC 50588
IC 984		Glxy Sb	14.4	UGC 9062 MCG 3-36-70 CGCG 103-99 IRAS 14077+1835 PGC 50580
NGC 5490B		Glxy Sc	14.9	
IC 4380		Glxy Spiral	15.1	MCG 6-31-75 CGCG 191-59 KUG 1407+377 PGC 50565

## Bootes - The Herdsman

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 5732	H686-3	Glxy Sbc	14.3	UGC 9467 MCG 7-30-48 CGCG 220-46 IRAS 14386+3851 PGC 52438
IC 1040		Glxy	15.5	CGCG 75-107 PGC 52437
IC 4485		Glxy	15.7	CGCG 164-10 PGC 52419
NGC 5727		Glxy SABdm	14.2	UGC 9465 MCG 6-32-83 CGCG 192-52 KARA642 PGC 52424
IC 4483		Glxy Sb	14.7	UGC 9455 MCG 3-37-35 CGCG 104-66 PGC 52417
IC 4482		Glxy D	15.3	CGCG 104-64 PGC 52408
NGC 5731	H658-3	Glxy S?	14.1	IC 1045 PGC 52409 UGC 9460 MCG 7-30-47 CGCG 220-45 IRAS 14382+4259
IC 1038		Glxy	15.5	CGCG 75-105 PGC 52403
IC 4481		Glxy		
NGC 5730	H657-3	Glxy Im:	14.6	UGC 9456 MCG 7-30-46 CGCG 220-44 IRAS 14379+4257 PGC 52396
IC 4480		Glxy R	15.4	MCG 3-37-34 CGCG 104-63 PGC 52394
NGC 5711		Glxy S?	14.9	UGC 9445 MCG 3-37-33 CGCG 104-62 IRAS 14370+2012 PGC 52376
NGC 5710	H895-3	Glxy E	14	UGC 9440 MCG 3-37-32 CGCG 104-60 PGC 52369
IC 4478		Glxy C	15.2	CGCG 104-59 PGC 52363
NGC 5724		Glxy	18	MCG 8-27-16 PGC 52360
NGC 5702	H894-3	Glxy S0	14.3	UGC 9434 MCG 4-35-2 CGCG 134-7 PGC 52347
NGC 5709		Non-Existent		NGC 5703 PGC 52343 UGC 9435 MCG 5-35-3 CGCG 164-6 IRAS 14366+3039
IC 4479		Glxy Scd:	14.1	UGC 9433 MCG 5-35-1 CGCG 164-5 IRAS 14365+2842 PGC 52338
NGC 5706		Non-Existent		NGC 5699 PGC 52334 MCG 5-35-2 CGCG 164-4
IC 4477		Glxy	15.6	CGCG 164-3 PGC 52327
NGC 5703	H128-3	Glxy		
IC 1037		Glxy L	14.8	MCG 3-37-28 CGCG 104-57 PGC 52319
IC 4474		Glxy		
IC 4475		Glxy L	15	MCG 4-35-1 CGCG 134-6 PGC 52325
IC 1036		Glxy	15.6	CGCG 104-56 PGC 52320
NGC 5699	H127-3	Glxy		
NGC 5708		Non-Existent		NGC 5704 PGC 52315 UGC 9430 MCG 7-30-44 CGCG 220-42 IRAS 14363+4040
IC 1035		Glxy L	14.9	MCG 2-37-28 CGCG 75-97 PGC 52305
IC 4473		Glxy S	15.2	MCG 3-37-27 CGCG 104-52 VV 732 PGC 52287
NGC 5704	H649-2	Glxy		
NGC 5695	H423-2	Glxy S?	13.6	UGC 9421 MCG 6-32-77 MK 686 CGCG 192-49 IRAS 14353+3647 PGC 52261
IC 4469		Glxy Scd:	15.6	UGC 9414 MCG 3-37-26 CGCG 104-51 PGC 52258
NGC 5698	H700-2	Glxy SBb	13.8	UGC 9419 MCG 7-30-38 CGCG 220-37 IRAS 14352+3840 PGC 52251
IC 1034		Glxy	15.6	CGCG 104-49 PGC 52244
NGC 5700		Glxy SB	15.2	UGC 9423 MCG 8-27-7 CGCG 248-13 PGC 52237
NGC 5696	H648-2	Glxy Sbc	13.8	UGC 9415 MCG 7-30-36 CGCG 220-36 IRAS 14350+4202 PGC 52235
IC 4467		Glxy E	15.6	
IC 4466		Glxy	15.5	CGCG 104-48 PGC 52228
NGC 5697	H675-2	Glxy S?	14.7	IC 4471 PGC 52207 UGC 9407 MCG 7-30-31 CGCG 220-33 IRAS 14345+4154
IC 4471		Non-Existent		UGC 9407 MCG 7-30-31 CGCG 220-33 IRAS 14345+4154 PGC 52207
NGC 5685		Glxy E:	14.3	UGC 9403 MCG 5-34-81 CGCG 163-87 PGC 52192
NGC 5693		Glxy SB(rs)d	14.1	UGC 9406 MCG 8-27-6 CGCG 248-11 PGC 52194
NGC 5686		Glxy Sa	15.3	MCG 6-32-75 CGCG 192-48 PGC 52189
IC 4465		Glxy		
NGC 5684	H421-3	Glxy S0	13.6	UGC 9402 MCG 6-32-73 CGCG 192-46 PGC 52179

## Bootes - The Herdsman

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 4463		Glxy	15.4	CGCG 104-46 PGC 52175
NGC 5681		Glxy S	14.3	UGC 9393 MCG 2-37-25 CGCG 75-83 IRAS 14332+831 PGC 52169
NGC 5683		Glxy SB(s)0/a?	15.7	MCG 8-27-3 MK 474 CGCG 248-9 PGC 52114
NGC 5682		Glxy SB(s)b	14.6	UGC 9388 MCG 8-27-2 CGCG 248-8 IRAS 14329+4853 PGC 52107
IC 1033		Glxy	15.3	CGCG 248-7 PGC 52099
IC 1032		Glxy C	15.6	CGCG 248-6 1ZW91 PGC 52097
IC 4460		Glxy Sa	13.2	MCG 5-34-75 CGCG 163-84 PGC 52089
IC 4459		Glxy S	15.5	MCG 5-34-74 CGCG 163-83 PGC 52087
IC 4457		Glxy		
IC 1031		Glxy	15.4	CGCG 248-5 PGC 52082
NGC 5677	H283-3	Glxy S?	14.7	UGC 9378 MCG 4-34-46 CGCG 133-88 IRAS 14319+2541 KUG 1431+256 PGC 52072
IC 4456		Glxy		
IC 1030		Non-Existent		
IC 4454		Glxy		
IC 1028		Glxy S	14.7	UGC 9368 MCG 7-30-25 CGCG 220-28 PGC 52005
NGC 5666		Glxy S?	13.8	UGC 9360 MCG 2-37-23 CGCG 75-66 IRAS 14307+1043 PGC 51995
NGC 5675	H422-2	Glxy S?	13.7	UGC 9357 MCG 6-32-62 CGCG 192-38 IRAS 14305+3631 PGC 51965
NGC 5672	H310-3	Glxy Sb? sp	14.1	IC 1030 PGC 51964 UGC 9354 MCG 5-34-68 CGCG 163-77 IRAS 14305+3153
IC 4452		Glxy E?	15.4	CGCG 163-76 KARA633 PGC 51951
IC 1029		Glxy SAb: sp	12.2	UGC 9361 MCG 8-26-42 CGCG 248-2 CGCG 247-41 IRAS 14307+5007 PGC 51955
IC 4450		Glxy S	15	UGC 9349 MCG 5-34-65 CGCG 163-73 IRAS 14300+2846 PGC 51939
NGC 5673	H696-2	Glxy SBc? sp	12.9	UGC 9347 MCG 8-26-41 CGCG 247-39 CGCG 248-1 PGC 51901
IC 4449		Glxy		
IC 1026		Non-Existent		
NGC 5659		Glxy Sb	14.7	UGC 9342 MCG 4-34-44 CGCG 133-82 PGC 51875
NGC 5655		Glxy Scd?	13.9	PGC 51863
NGC 5657		Glxy SBb:	14.1	UGC 9335 MCG 5-34-60 MK 814 CGCG 163-69 IRAS 14285+2924 PGC 51850
NGC 5647		Glxy Sa	14.9	UGC 9329 MCG 2-37-17 CGCG 75-58 PGC 51843
IC 4521		Glxy S	15.4	MCG 4-35-22 CGCG 134-62 PGC 53558
NGC 5818		Glxy S0	14.7	UGC 9643 MCG 8-27-46 CGCG 248-39 PGC 53530
NGC 5798	H131-3	Glxy Im:	13.6	UGC 9628 MCG 5-35-28 CGCG 164-47 IRAS 14555+3009 PGC 53463
NGC 5790		Glxy (R)SA0/a	14.6	UGC 9624 MCG 1-38-22 CGCG 48-76 CGCG 76-110 PGC 53459
NGC 5805		Glxy	15.9	PGC 53381
NGC 5804	H679-3	Glxy SB(s)b	13.9	UGC 9627 MCG 8-27-38 CGCG 248-32 IRAS 14554+4952 PGC 53437
IC 1079		Glxy E	13.9	UGC 9611 MCG 2-38-26 CGCG 76-103 IRAS 14542+931 PGC 53418
NGC 5789	H976-3	Glxy Sdm	14.2	UGC 9615 MCG 5-35-26 CGCG 164-43 IRAS 14545+3025 PGC 53414
IC 1078		Glxy Sa	14.4	UGC 9608 MCG 2-38-25 CGCG 76-102 PGC 53411
NGC 5797	H678-3	Glxy S0/a	13.8	UGC 9619 MCG 8-27-36 CGCG 248-30 PGC 53408
NGC 5795		Glxy S?	14.8	UGC 9617 MCG 8-27-35 CGCG 248-29 IRAS 14546+4935 PGC 53402
NGC 5782		Glxy S0	14.6	MCG 2-38-21 CGCG 76-94 PGC 53322
NGC 5794		Glxy S?	14.4	UGC 9610 MCG 8-27-32 CGCG 248-27 PGC 53378
NGC 5787	H677-2	Glxy S?	14.1	UGC 9599 MCG 7-31-8 CGCG 221-13 1ZW98 PGC 53339
IC 4520		Glxy Sb	15.1	MCG 6-33-8 CGCG 193-10 IRAS 14530+3355 PGC 53328
IC 1076		Glxy S?	14.2	UGC 9595 MCG 3-38-55 MK 479 CGCG 105-71 IRAS 14526+1814 PGC 53320

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Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 1075		Glxy SBb	14.6	UGC 9593 MCG 3-38-53 CGCG 105-69 PGC 53314
IC 4519		Glxy S	15.3	MCG 6-33-7 CGCG 193-9 PGC 53311
IC 4517		Glxy	15.5	CGCG 134-50 PGC 53291
NGC 5778		Glxy E?	14.8	NGC 5825 PGC 53279 UGC 9590 MCG 3-38-50 CGCG 105-66 VV 766
IC 4516		Glxy E	14.2	UGC 9587 MCG 3-38-49 CGCG 105-64 PGC 53274
NGC 5780		Glxy S?	15	MCG 5-35-24 CGCG 164-41 PGC 53275
NGC 5784	H676-2	Glxy S0	13.4	UGC 9592 MCG 7-31-6 CGCG 221-9 IRAS 14524+4245 PGC 53265
NGC 5785		Non-Existent		NGC 5783 PGC 53217 UGC 9586 MCG 9-24-50 CGCG 273-33 IRAS 14519+5216
NGC 5769		Glxy E	15.4	MCG 1-38-8 CGCG 48-47 ARAK462 PGC 53145
NGC 5773	H130-3	Glxy S?	14.5	UGC 9571 MCG 5-35-22 CGCG 164-38 PGC 53124
NGC 5771	H129-3	Glxy E?	14.6	MCG 5-35-21 CGCG 164-37 PGC 53088
NGC 5772		Glxy SA(r)b:	13.6	UGC 9566 MCG 7-31-1 CGCG 220-60 CGCG 221-3 IRAS 14497+4048 KARA653 PGC 53067
IC 1062		Glxy E/S0	15.5	MCG 3-38-41 CGCG 105-47 PGC 53044
IC 1061		Non-Existent		
IC 4515		Glxy S	15.7	MCG 6-33-3 CGCG 193-5 PGC 53026
IC 4514		Glxy SB(s)ab	15	UGC 9557 MCG 5-35-19 CGCG 164-34 PGC 53010
IC 4512		Glxy		
NGC 5767		Glxy SBab:	14.9	UGC 9549 CGCG 248-22 PGC 52942
IC 1058		Glxy S	14.9	UGC 9538 MCG 3-38-29 CGCG 105-35 PGC 52915
NGC 5763		Glxy	15.3	CGCG 76-64 PGC 52905
NGC 5762		Glxy S?	13.7	UGC 9535 MCG 2-38-14 CGCG 76-63 PGC 52887
IC 4509		Glxy S	15.2	UGC 9536 MCG 5-35-16 CGCG 164-29 PGC 52874
IC 4508		Glxy	15.3	CGCG 164-25 PGC 52843
NGC 5760	H885-3	Glxy Sa	14.2	UGC 9531 MCG 3-38-15 CGCG 105-28 IRAS 14453+1841 PGC 52833
IC 4507		Glxy S	15.6	MCG 3-38-16 CGCG 105-27 PGC 52834
NGC 5759		Glxy Double System	14.9	UGC 9525 MCG 2-38-12 CGCG 76-44 ARAK460 IRAS 14448+1339 PGC 52797
NGC 5758		Glxy S0-:	14.5	UGC 9524 MCG 2-38-11 CGCG 76-39 PGC 52787
IC 4506		Glxy	15.5	CGCG 192-62 PGC 52764
IC 4503		Glxy S	14.8	MCG 3-38-10 CGCG 105-23 PGC 52763
IC 4504		Glxy E	15.3	CGCG 164-23 PGC 52750
IC 4505		Glxy S0-:	14.7	UGC 9520 MCG 6-32-99 CGCG 192-61 PGC 52754
IC 1057		Non-Existent		IC 1057 IC 1056 UGC 9516 MCG 8-27-23 CGCG 273-25 IRAS 14441+5036 KARA645 PGC 52713
IC 1053		Glxy Sb	15.2	MCG 3-38-8 CGCG 105-20 PGC 52709
IC 4502		Glxy		
NGC 5748		Glxy	15.4	CGCG 134-29 PGC 52672
IC 4498		Glxy S0?	15.3	MCG 5-35-10 CGCG 164-16 PGC 52667
IC 4500		Glxy	15.8	MCG 6-32-91 CGCG 192-57 ARAK457 PGC 52656
IC 4494		Glxy C	15.1	MCG 3-38-3 CGCG 105-13 PGC 52644
IC 4497		Glxy S0?	14.8	MCG 5-35-9 CGCG 164-15 PGC 52636
NGC 5747	H48-3	Glxy Sb	14.4	IC 4493 PGC 52638 UGC 9496 MCG 2-38-2 CGCG 76-13 IRAS 14419+1220
IC 4493		Non-Existent		UGC 9496 MCG 2-38-2 CGCG 76-13 IRAS 14419+1220 PGC 52638
IC 4495		Glxy	15.7	CGCG 134-27 PGC 52634
IC 1052		Glxy SB:c	15.3	UGC 9494 MCG 4-35-7 CGCG 134-25 IRAS 14419+2049 PGC 52632
IC 1051		Glxy	15.4	CGCG 105-12 PGC 52629

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Observed: No

Object	No	Her	Type	Mag	Alias/Notes
IC	1050		Glxy Sb	15	MCG 3-38-2 CGCG 105-11 PGC 52630
IC	4496		Glxy S0	15	MCG 6-32-90 CGCG 192-56 PGC 52610
NGC	5736		Glxy Sa	14.7	MCG 2-38-1 CGCG 76-7 PGC 52597
IC	4489		Glxy		
NGC	5737	H896-3	Glxy SBb	14.3	UGC 9488 MCG 3-37-39 CGCG 105-7 PGC 52582
IC	4488		Glxy		
IC	4492		Glxy C	15.8	MCG 6-32-88 CGCG 192-54 ARAK455 PGC 52536
NGC	5735	H133-3	Glxy SB(rs)bc	13.1	UGC 9481 MCG 5-35-7 CGCG 164-13 IRAS 14403+2856 PGC 52535
IC	1047		Glxy S	15.6	MCG 3-37-38 CGCG 105-4 CGCG 104-71 PGC 52522
IC	4487		Glxy S	15.5	MCG 3-37-37 CGCG 105-3 CGCG 104-70 PGC 52496
IC	4486		Glxy	15.2	CGCG 104-68 CGCG 105-1 PGC 52481
IC	1044		Glxy S	14.8	MCG 2-37-29 CGCG 75-111 PGC 52477
IC	1045		Non-Existent		
NGC	5649	H645-3	Non-Existent		NGC 5648 PGC 51857 UGC 9333 MCG 2-37-20 CGCG 75-60 IRAS 14284+1411
NGC	5648		Glxy Sbc	13.3	NGC 5649 PGC 51840 UGC 9330 MCG 2-37-19 CGCG 75-59 IRAS 14281+1414
NGC	5644		Glxy S0	13.5	UGC 9321 MCG 2-37-16 CGCG 75-57 PGC 51834
NGC	5656	H421-2	Glxy Sab	12.7	UGC 9332 MCG 6-32-53 CGCG 192-34 IRAS 14283+3532 PGC 51831
NGC	5654	H420-3	Glxy S?	13.9	UGC 9319 MCG 6-32-50 CGCG 192-32 PGC 51807
NGC	5646		Glxy SBb:	15	UGC 9312 MCG 6-32-45 CGCG 192-30 IRAS 14274+3540 PGC 51779
IC	4447		Glxy S0/a	14.4	UGC 9306 MCG 5-34-56 CGCG 163-66 PGC 51754
IC	4443		Glxy		
IC	1021		Glxy SBa	14.7	UGC 9296 MCG 4-34-38 CGCG 133-71 PGC 51764
IC	4446		Glxy Sbc	15.8	MCG 6-32-44 PGC 51742
NGC	5637	H357-2	Glxy S?	14.8	UGC 9293 MCG 4-34-37 CGCG 133-69 IRAS 14267+2324 KUG 1426+234 PGC 51736
IC	4440		Glxy L	15.4	MCG 3-37-22 CGCG 104-37 PGC 51734
NGC	5639B		Glxy S	15.4	
IC	1020		Glxy S0	15.1	UGC 9289 MCG 4-34-35 CGCG 133-68 PGC 51728
NGC	5639A		Non-Existent		
NGC	5639		Glxy Scd:	14.2	UGC 9290 MCG 5-34-51 CGCG 163-61 PGC 51730
IC	4442		Glxy SBa	14.9	UGC 9287 MCG 5-34-50 CGCG 163-60 VV 15 PGC 51725
IC	4439		Glxy	15.7	CGCG 104-35 PGC 51720
IC	4438		Glxy Sbc	15.7	MCG 3-37-20 CGCG 104-34 PGC 51709
NGC	5627		Glxy S0	13.9	UGC 9280 MCG 2-37-13 CGCG 75-46 PGC 51705
NGC	5635	H132-3	Glxy S pec	13.5	UGC 9283 MCG 5-34-49 CGCG 163-58 IRAS 14263+2737 PGC 51706
NGC	5628		Glxy E	14.3	UGC 9278 MCG 3-37-19 CGCG 104-33 PGC 51699
IC	1015		Glxy C	15.2	MCG 3-37-18 CGCG 104-31 1ZW90 VV 717 IRAS 14259+1538 8ZW422 PGC 51686
IC	1014		Glxy Sdm	13	UGC 9275 MCG 2-37-12 CGCG 75-45 IRAS 14259+1400 PGC 51685
NGC	5629		Glxy S0	13	UGC 9281 MCG 4-34-34 CGCG 133-65 PGC 51681
IC	1019		Glxy S	15.4	MCG 4-34-33 CGCG 133-64 PGC 51667
IC	1018		Glxy C	15.7	CGCG 133-63 PGC 51675
IC	1017		Glxy S0?	14.7	UGC 9276 MCG 4-34-32 CGCG 133-62 PGC 51668
IC	4436		Glxy E?	14.6	MCG 5-34-45 CGCG 163-54 PGC 51654
IC	4433		Glxy	15.3	CGCG 104-30 PGC 51651
IC	4434		Glxy		

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Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 5621	H14-3	Non-Existent		
IC 1013		Non-Existent		
IC 4429		Glxy S?	15.2	MCG 3-37-17 CGCG 104-29 PGC 51637
NGC 5630	H674-2	Glxy Sdm:	13.6	UGC 9270 MCG 7-30-14 CGCG 220-18 IRAS 14256+4128 PGC 51635
IC 4435		Glxy E/S0	15.3	MCG 6-32-37 CGCG 192-22 PGC 51615
IC 4437		Non-Existent		(STAR)
IC 4428		Glxy		
IC 4426		Glxy S0?	15.5	MCG 3-37-16 CGCG 104-28 PGC 51607
IC 4431		Non-Existent		IC 4431 IC 1012 UGC 9257 MCG 5-34-43 CGCG 163-52 PGC 51600
IC 1012		Glxy Sc	13.9	IC 4431 IC 1012 UGC 9257 MCG 5-34-43 CGCG 163-52 PGC 51600
NGC 5623	H329-2	Glxy E	13.5	UGC 9260 MCG 6-32-35 CGCG 192-21 PGC 51598
IC 4427		Glxy S?	15.5	MCG 5-34-41 CGCG 163-50 IRAS 14247+2705 PGC 51591
IC 4425		Glxy S?	15.2	CGCG 163-49 KUG 1424+274 PGC 51575
IC 1009		Glxy S	15.5	MCG 2-37-7 CGCG 75-31 PGC 51550
IC 4423		Glxy S	15	UGC 9247 MCG 4-34-28 CGCG 133-55 PGC 51549
NGC 5622	H677-3	Glxy Sb	14	UGC 9248 MCG 8-26-32 CGCG 247-28 IRAS 14244+4847 KARA630 PGC 51541
IC 4422		Glxy E?	14.9	MCG 5-34-39 CGCG 163-48 PGC 51530
IC 4419		Glxy		
IC 4420		Glxy SB	15.4	MCG 4-34-27 CGCG 133-53 KUG 1423+256 PGC 51520
IC 1008		Glxy SB	16.5	MCG 5-34-38 MK 680 PGC 51518
IC 4418		Glxy C	15	CGCG 133-52 PGC 51510
IC 4417		Glxy E/S0	15.5	MCG 3-37-14 CGCG 104-17 PGC 51480
IC 4415		Glxy		
NGC 5610	H136-3	Glxy SB(s)ab	14.1	UGC 9230 MCG 4-34-25 CGCG 133-49 IRAS 14221+2450 PGC 51450
NGC 5616	H419-3	Glxy Sbc	14.6	UGC 9231 MCG 6-32-26 CGCG 192-15 IRAS 14222+3641 PGC 51448
IC 4416		Glxy C	15.7	MCG 5-34-31 CGCG 163-39 PGC 51452
NGC 5611		Glxy S0	13.6	UGC 9227 MCG 6-32-20 CGCG 192-13 PGC 51431
IC 4414A		Non-Existent		
IC 4414B		Non-Existent		
IC 1008B		Non-Existent		
NGC 5608	H673-2	Glxy Im:	13.9	UGC 9219 MCG 7-30-9 CGCG 220-12 KARA627 PGC 51396
NGC 5594	H135-3	Glxy S	15	IC 4412 PGC 51391 MCG 4-34-24 CGCG 133-46
IC 4412		Non-Existent		MCG 4-34-24 CGCG 133-46 PGC 51391
NGC 5603	H734-3	Glxy S0	14	UGC 9217 MCG 7-30-8 CGCG 220-11 1ZW86 IRAS 14210+4036 PGC 51382
NGC 5603A		Non-Existent		
IC 1006		Glxy S	15.2	MCG 4-34-23 CGCG 133-45 KUG 1420+240 PGC 51378
IC 4413		Glxy C	14.6	
NGC 5603B		Glxy Sc	14.4	
NGC 5601		Glxy Sb	15.6	MCG 7-30-6 CGCG 220-9 PGC 51370
NGC 5591		Glxy S?	14.1	UGC 9207 MCG 2-37-6 MK 809 CGCG 75-23 IRAS 14201+1356 PGC 51360
NGC 5596	H418-3	Glxy S0	14.4	UGC 9208 MCG 6-32-10 MK 470 CGCG 192-7 KUG 1420+373 PGC 51355
NGC 5598	H733-3	Glxy S0	14	UGC 9209 MCG 7-30-4 CGCG 220-7 PGC 51354
IC 4410		Glxy S	15.7	MCG 3-37-9 CGCG 104-9 PGC 51338
NGC 5587	H110-3	Glxy S0/a	13.5	UGC 9202 MCG 2-37-5 CGCG 75-20 PGC 51332
NGC 5586		Non-Existent		

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Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 5583		Glxy S?	14.4	UGC 9196 MCG 2-37-4 CGCG 75-18 PGC 51313
IC 4409		Glxy S?	15.3	MCG 5-34-26 CGCG 163-33 IRAS 14193+3148 PGC 51306
NGC 5588		Non-Existent		
NGC 5665A		Glxy Sbc:	14.8	
NGC 5581		Glxy E/S0	15.1	MCG 4-34-21 CGCG 133-38 PGC 51282
IC 4408		Glxy S	15	UGC 9191 MCG 5-34-24 CGCG 163-31 IRAS 14190+3013 PGC 51283
IC 1004		Glxy L	16	MCG 3-37-7 PGC 51273
NGC 5580		Glxy SABcd	14.3	NGC 5579 PGC 51236 UGC 9180 MCG 6-32-2 CGCG 191-80 CGCG 192-3 VV 142 ARP 69
NGC 5562		Glxy S?	14.5	UGC 9174 MCG 2-37-2 CGCG 75-11 PGC 51227
IC 1000		Glxy S0	14.7	UGC 9170 MCG 3-37-3 CGCG 104-4 PGC 51201
NGC 5572		Glxy Sb	15	UGC 9173 MCG 6-31-99 CGCG 191-79 CGCG 192-2 KUG 1417+363 PGC 51196
NGC 5571		Non-Existent		
IC 999		Glxy S0?	14.9	UGC 9168 MCG 3-37-1 CGCG 104-3 PGC 51189
NGC 5570	H12-3	Non-Existent		NGC 5519 PGC 51185 CGCG 47-7
NGC 5568		Glxy Sc	15.7	MCG 6-31-98 CGCG 191-77 PGC 51168
NGC 5567		Glxy S0/a	14.8	MCG 6-31-96 CGCG 191-75 PGC 51161
IC 4405		Glxy S?	14.7	MCG 5-34-19 CGCG 163-28 PGC 51167
NGC 5559	H347-3	Glxy SBb	14.8	UGC 9166 MCG 4-34-17 CGCG 133-32 IRAS 14169+2501 PGC 51155
NGC 5553		Glxy Sa:	15	UGC 9160 MCG 5-34-17 CGCG 163-24 PGC 51105
NGC 5550		Glxy S?	14.1	UGC 9154 MCG 2-36-65 CGCG 75-3 CGCG 74-162 PGC 51108
IC 4399		Glxy Sb	14.9	UGC 9157 MCG 5-34-14 CGCG 163-22 PGC 51100
IC 994		Glxy Sa	14.3	UGC 9153 MCG 2-36-64 CGCG 74-161 CGCG 75-2 PGC 51095
IC 993		Glxy S	15.7	MCG 2-36-63 CGCG 74-160 CGCG 75-1 ARAK446 PGC 51093
IC 4403		Glxy S?	14.8	UGC 9158 MCG 5-34-16 CGCG 163-23 IRAS 14160+3153 KARA622 PGC 51091
NGC 5546	H551-3	Glxy E	13.3	UGC 9148 MCG 1-36-35 CGCG 46-89 PGC 51084
NGC 5543		Glxy	15.5	CGCG 46-88 PGC 51079
IC 4398		Glxy S?	15.3	MCG 5-34-13 CGCG 163-20 PGC 51082
IC 4397		Glxy S?	14.1	UGC 9150 MCG 5-34-12 CGCG 163-18 IRAS 14156+2638 KUG 1415+266 PGC 51073
NGC 5542		Glxy Sb	15.2	MCG 1-36-34 CGCG 46-85 ARAK445 PGC 51066
NGC 5538		Glxy	15.4	CGCG 46-83 PGC 51056
NGC 5539		Glxy S	15.4	NGC 5535 MCG 1-36-33 CGCG 46-84 PGC 51054
NGC 5535		Glxy C	15	
IC 4396		Glxy S	15.6	MCG 5-34-8 CGCG 163-16 PGC 51050
IC 4395		Glxy S?	14.7	UGC 9141 MCG 5-34-7 MK 673 CGCG 163-15 IRAS 14151+2705 KUG 1415+270 PGC 51033
NGC 5532B		Glxy S0	14.8	
NGC 5532A		Non-Existent		
NGC 5532	H47-3	Glxy S0	12.9	UGC 9137 MCG 2-36-62 CGCG 74-156 PGC 51006
NGC 5531		Glxy S0	14.7	MCG 2-36-61 CGCG 74-155 PGC 50999
NGC 5541	H732-3	Glxy S?	13.8	UGC 9139 MCG 7-29-59 CGCG 219-65 ARAK444 IRAS 14144+3949 PGC 50991
IC 4394		Non-Existent		
NGC 5536	H731-3	Glxy SBa	14.4	UGC 9136 MCG 7-29-57 CGCG 219-64 IRAS 14143+3944 PGC 50986
NGC 5528		Glxy Sb	14.9	MCG 2-36-60 CGCG 74-153 PGC 50981
IC 990		Glxy L	15.2	MCG 7-29-56 CGCG 219-63 PGC 50958
NGC 5525		Glxy S0	13.8	UGC 9124 MCG 3-36-96 CGCG 103-132 PGC 50946

## Bootes - The Herdsman

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 5522	H644-3	Glxy Sb	14.3	UGC 9116 MCG 3-36-89 CGCG 103-125 IRAS 14124+1522 PGC 50889
NGC 5519		Glxy Sa	14	NGC 5570 PGC 50865 UGC 9111 MCG 1-36-25 CGCG 46-70
NGC 5518		Glxy E/S0	15	MCG 4-34-6 CGCG 133-13 PGC 50817
NGC 5514A		Glxy C	14.5	
NGC 5514		Glxy S?	13.7	UGC 9102 MCG 1-36-23 CGCG 46-66 VV 70 IRAS 14111+753 PGC 50809
NGC 5513	H877-2	Glxy S0	13.6	UGC 9099 MCG 4-34-5 CGCG 133-11 PGC 50776
NGC 5511		Glxy Sm	15	MCG 2-36-51 CGCG 74-142 VV 299 8ZW382 PGC 50778
NGC 5511A		Glxy C M	14	
NGC 5993	H636-3	Glxy SB(r)b:	13.9	UGC 10007 MCG 7-32-50 CGCG 222-48 IRAS 15426+4116 PGC 55918
NGC 5992	H635-3	Glxy S	14.3	UGC 10003 MCG 7-32-49 MK 489 CGCG 222-47 IRAS 15425+4114 PGC 55913
IC 4567		Glxy Scd?	13.5	UGC 9940 MCG 7-32-40 CGCG 222-37 IRAS 15354+4327 PGC 55620
IC 4566		Glxy Sab	14.1	UGC 9933 MCG 7-32-38 CGCG 222-35 PGC 55601
IC 4565		Glxy Sc	14.8	UGC 9931 MCG 7-32-37 CGCG 222-34 PGC 55592
IC 4564		Glxy S?	14.4	UGC 9930 MCG 7-32-36 CGCG 222-33 IRAS 15347+4340 PGC 55584
IC 4563		Glxy S	15.1	MCG 7-32-33 CGCG 222-29 PGC 55565
IC 4562A		Glxy	15.7	
IC 4562		Glxy E?	13.6	UGC 9928 MCG 7-32-34 CGCG 222-30 1ZW118 PGC 55559
NGC 5966	H634-3	Glxy E	13.1	UGC 9923 MCG 7-32-32 CGCG 222-28 PGC 55552
IC 4560		Glxy		
IC 4557		Glxy	15.7	CGCG 222-26 PGC 55483
NGC 5950		Glxy Sb	14.5	UGC 9884 MCG 7-32-21 CGCG 222-20 IRAS 15296+4036 PGC 55305
NGC 5947		Glxy SBbc	14.5	UGC 9877 MCG 7-32-19 CGCG 222-19 IRAS 15288+4253 PGC 55274
NGC 5945		Glxy SB(rs)ab	13.7	UGC 9871 MCG 7-32-17 CGCG 222-17 IRAS 15280+4305 PGC 55243
NGC 5943		Glxy S0?	14.2	UGC 9870 MCG 7-32-16 CGCG 222-16 PGC 55242
IC 4549		Glxy Sbc	15.6	MCG 6-34-11 CGCG 194-7 IRAS 15272+3259 PGC 55217
IC 1123		Non-Existent		(STAR)
NGC 5935		Glxy Sb	15.2	MCG 7-32-13 CGCG 222-13 1ZW113 PGC 55183
NGC 5934		Glxy S?	14.8	UGC 9862 MCG 7-32-11 CGCG 222-11 1ZW113 PGC 55178
NGC 5933		Glxy L	15.7	MCG 8-28-34 CGCG 249-24 PGC 55117
NGC 5932		Glxy S	15.1	MCG 8-28-33 CGCG 249-23 PGC 55109
IC 4542A		Non-Existent		
NGC 5922	H661-3	Non-Existent		
NGC 5901		Non-Existent		
NGC 5896		Glxy	16.3	MCG 7-31-44 CGCG 221-42 PGC 54367
NGC 5895		Glxy Sc	16.5	MCG 7-31-43 CGCG 221-42 PGC 54366
NGC 5893	H678-2	Glxy SB(r)b	13.9	UGC 9774 MCG 7-31-42 CGCG 221-41 IRAS 15117+4208 PGC 54351
NGC 5889		Glxy SBb?	15.5	PGC 54317
NGC 5884		Non-Existent		
NGC 5888	H659-3	Glxy SB(s)bc	14.2	UGC 9771 MCG 7-31-38 CGCG 221-37 PGC 54316
NGC 5886		Glxy E/S0	15	CGCG 221-36 PGC 54298
IC 4535		Glxy		
NGC 5875A		Glxy S?	13.3	
IC 1097		Glxy S?	14.8	UGC 9735 MCG 3-39-10 CGCG 106-12 IRAS 15062+1922 PGC 54059
IC 1095		Non-Existent		
IC 1096		Glxy S	15	MCG 3-39-9 CGCG 106-11 PGC 54055

## Bootes - The Herdsman

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 4534		Glxy		
IC 1094		Glxy C	15.8	MCG 3-39-6 CGCG 106-8 8ZW453 PGC 54011
IC 1092		Glxy	15.1	CGCG 77-15 PGC 53998
IC 1093		Glxy SABbc	14.6	UGC 9727 MCG 3-39-2 CGCG 106-6 IRAS 15052+1444 PGC 54002
NGC 5859	H572-2	Glxy SB(s)bc	13.3	UGC 9728 MCG 3-39-5 CGCG 106-7 IRAS 15052+1946 PGC 54001
NGC 5857	H751-2	Glxy SB(s)b	13.9	UGC 9724 MCG 3-39-4 CGCG 106-5 PGC 53995
NGC 5856	H71-4	Non-Existent		
NGC 5852	H887-3	Glxy S?	14.5	MCG 2-38-45 CGCG 77-10 PGC 53974
NGC 5851	H886-3	Glxy S?	15	UGC 9714 MCG 2-38-44 CGCG 77-8 PGC 53965
NGC 5860		Glxy S?	14.2	UGC 9717 MCG 7-31-33 MK 480 CGCG 221-28 1ZW102 IRAS 15047+4249 PGC 53939
NGC 5853		Glxy SB	14.5	UGC 9707 MCG 7-31-30 CGCG 221-27 IRAS 15039+3942 PGC 53894
NGC 5842		Glxy	15.3	MCG 4-36-3 CGCG 135-5 PGC 53831
NGC 5837		Glxy S	14.5	UGC 9686 MCG 2-38-36 CGCG 76-144 IRAS 15022+1249 PGC 53817
IC 4533		Glxy Sa	14.7	UGC 9687 MCG 5-36-4 CGCG 165-10 PGC 53803
IC 4532		Glxy		
IC 4531		Glxy C	15.5	CGCG 135-3 PGC 53792
NGC 5840		Non-Existent		
IC 1090		Non-Existent		(STAR) MCG 7-31-25 CGCG 221-22 ARAK467 1ZW101 PGC 53753
IC 4530		Glxy S	15.3	UGC 9679 MCG 4-36-1 CGCG 135-2 PGC 53752
IC 1086		Glxy	15.5	MCG 3-38-77 CGCG 105-101 PGC 53734
IC 1085		Glxy S	14.7	MCG 3-38-74 CGCG 105-98 PGC 53710
NGC 5835		Glxy Sa	15.3	UGC 9674 MCG 8-27-57 CGCG 248-48 PGC 53699
IC 4525		Glxy B R	15.7	MCG 4-35-25 CGCG 134-69 PGC 53705
IC 4524		Glxy	15.6	CGCG 134-68 PGC 53684
NGC 5825		Non-Existent		
NGC 5827		Glxy Sab pec:	13.9	UGC 9662 MCG 4-35-24 CGCG 134-66 IRAS 14597+2609 PGC 53676
NGC 5830		Glxy Sb	15	UGC 9670 MCG 8-27-56 CGCG 248-47 IRAS 15001+4804 PGC 53674
NGC 5828		Glxy S	14.3	UGC 9658 MCG 8-27-51 CGCG 248-43 PGC 53618
NGC 5828B		Non-Existent		
NGC 5828A		Glxy Sb	16.1	
IC 4528		Glxy S?	15.1	MCG 8-27-49 IRAS 14588+4922 PGC 53607
NGC 5511B		Non-Existent		
NGC 5517		Glxy S0/a	14.8	UGC 9100 MCG 6-31-79 CGCG 191-63 PGC 50758
NGC 5512		Glxy E	15.2	CGCG 163-6 PGC 50749
NGC 5509		Glxy E/S0	15.2	PGC 50725
NGC 5515	H685-3	Glxy Sab	13.8	UGC 9096 MCG 7-29-52 CGCG 219-57 IRAS 14105+3932 KUG 1410+395 PGC 50750
NGC 5505		Glxy SBa	14.1	UGC 9092 MCG 2-36-48 CGCG 74-138 IRAS 14101+1332 KUG 1410+135 PGC 50745
NGC 5508		Glxy S0	14.1	UGC 9094 MCG 4-34-2 CGCG 133-9 PGC 50741
NGC 5504C		Glxy Sd	14.7	
NGC 5490A		Non-Existent		
NGC 5487		Glxy SBbc	14.7	MCG 1-36-21 CGCG 46-61 IRAS 14072+818 PGC 50537
IC 979		Glxy SBab	14.5	UGC 9053 MCG 3-36-61 CGCG 103-90 PGC 50530
NGC 5482	H59-3	Glxy S0	13.9	UGC 9038 MCG 2-36-43 CGCG 74-115 PGC 50459
IC 975		Glxy E	15.6	MCG 3-36-48 CGCG 103-72 PGC 50362

## Bootes - The Herdsman

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 5469		Glxy	15.5	PGC 50309
NGC 5463B		Glxy E3	15	
NGC 5463	H58-3	Glxy S?	13.8	UGC 9017 MCG 2-36-40 CGCG 74-102 PGC 50299
IC 4332		Glxy S	15.1	MCG 4-33-8 CGCG 132-18 PGC 49081
IC 4317		Glxy		
NGC 5293	H6-5	Glxy SA(r)c	13.7	UGC 8710 MCG 3-35-24 CGCG 102-57 PGC 48854
IC 941		Glxy S	15.2	MCG 4-33-7 CGCG 132-16 PGC 48998
IC 4331		Glxy		
IC 933		Glxy S0	14.3	UGC 8697 MCG 4-32-36 CGCG 131-35 PGC 48760

**Sub Total: 409**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 905		Glxy C	14.9	MCG 4-32-20 CGCG 131-19 PGC 48349
IC 916		Glxy C	15.3	MCG 4-32-31 CGCG 131-28 PGC 48564
IC 1111		Glxy Sb	15.2	UGC 9800 MCG 9-25-39 CGCG 274-37 PGC 54473
IC 1074		Glxy S	15.1	UGC 9572 MCG 9-24-47 CGCG 273-30 PGC 53084
IC 1069		Glxy S0	14.8	UGC 9563 MCG 9-24-44 CGCG 273-29 PGC 53000
IC 1056		Glxy Sb	13.3	IC 1057 IC 1056 UGC 9516 MCG 8-27-23 CGCG 273-25 IRAS 14441+5036 KARA645 PGC 52713
IC 1027		Glxy S	15.2	UGC 9331 MCG 9-24-9 CGCG 273-8 PGC 51796
IC 987		Glxy S	15.2	MCG 3-36-78 CGCG 103-112 PGC 50663
IC 983		Glxy SB(r)bc	12.5	UGC 9061 MCG 3-36-68 CGCG 103-98 ARP 117 IRAS 14077+1757 PGC 50577
IC 982		Glxy SA0+	14	UGC 9059 MCG 3-36-66 CGCG 103-96 ARP 117 PGC 50560
IC 914		Glxy S	15.2	MCG 4-32-30 CGCG 131-27 PGC 48475
IC 906		Glxy S	15.7	MCG 4-32-21 CGCG 131-20 PGC 48348
IC 911		Glxy Double System	15.8	UGC 8665 MCG 4-32-27 CGCG 131-26 PGC 48449
IC 912		Glxy S	15.2	UGC 8665 MCG 4-32-28 CGCG 131-26 PGC 48448
IC 913		Glxy SBb	15.2	UGC 8664 MCG 4-32-29 CGCG 131-25 IRAS 13391+2325 PGC 48458
IC 910		Glxy S?	15.4	MCG 4-32-25 CGCG 131-24 PGC 48424
PGC 48024		Glxy S	15.7	UGC 8591 CGCG 102-21
PGC 48973		Glxy	16.1	MCG 4-33-4 CGCG 132-14 VV 190
PGC 48980		Glxy S	16.6	MCG 4-33-5 CGCG 132-15 VV 191
PGC 50664		Glxy Sdm	14.9	UGC 9083 MCG 8-26-9 CGCG 272-39 CGCG 247-9 VV 125
PGC 50645		Glxy	15.5	CGCG 103-110
PGC 50641		Glxy E	17.2	Hickson 71D
PGC 50640		Glxy S?	16.3	Hickson 71C
PGC 50612		Glxy	15.5	CGCG 103-105
PGC 50581		Glxy Scd	14.9	UGC 9071 MCG 9-23-46 CGCG 272-38
PGC 50572		Glxy S	15.6	MCG 3-36-67 CGCG 103-97
PGC 50559		Glxy	15.6	CGCG 103-94
PGC 50552		Glxy	15.9	MCG 3-36-64 CGCG 103-93 ARAK441
PGC 50509		Glxy S?	14.6	UGC 9056 MCG 8-26-5 CGCG 247-6 IRAS 14074+4916
PGC 50087		Glxy Sbc		UGC 8967 MCG 2-36-24 CGCG 74-70 IRAS 14009+942
PGC 50032		Glxy S	15.7	MCG 2-36-18 CGCG 74-62

## Bootes - The Herdsman

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 50019		Glxy S	15.7	MCG 2-36-16 CGCG 74-58
PGC 49505		Glxy S0?	15.8	UGC 8842 MCG 4-33-28 CGCG 132-48 VV 281 Hickson 69C
PGC 49502		Glxy S?	15.8	UGC 8842 MCG 4-33-27 CGCG 132-47 VV 281 IRAS 13532+2517 Hickson 69A
PGC 49499		Glxy S	16.4	Hickson 69D
PGC 48981		Glxy S	16.1	MCG 4-33-6 CGCG 132-15 VV 191
PGC 51279		Glxy S	15.4	UGC 9194 MCG 7-30-2 CGCG 219-72 CGCG 220-5
PGC 51214		Glxy SB?	15.4	UGC 9178 MCG 9-23-64 CGCG 272-47 CGCG 273-2 VV 2 ARP 45
PGC 51207		Glxy Im	13.5	UGC 9169 MCG 2-37-1 CGCG 75-8 ANON 1417+9
PGC 51181		Glxy S	15.6	MCG 9-23-60
PGC 50952		Glxy Spiral	15.6	MCG 6-31-87 CGCG 191-71 KUG 1413+364
PGC 50944		Glxy Compact	15.6	MCG 6-31-86 CGCG 191-70
PGC 50902		Glxy Sdm	14.5	UGC 9123 MCG 6-31-83
PGC 50784		Glxy Sb	14	UGC 9101 MCG 5-34-1 CGCG 163-7
PGC 50716		Glxy S	15.2	MCG 3-36-79 IRAS 14098+1604
PGC 52781		Glxy SBa:	14.4	UGC 9521 MCG 2-38-9 CGCG 76-36
PGC 52778		Glxy S0	15.2	MCG 2-38-8 CGCG 76-33
PGC 52773		Glxy SB	15.2	MCG 2-38-7 CGCG 76-32
PGC 52698		Glxy Sb	15	UGC 9503 MCG 3-38-7 CGCG 105-19 VV 471 ARP 64 IRAS 14431+1940
PGC 52675		Glxy C	15.5	MCG 3-38-6 CGCG 105-16 ARAK458
PGC 52283		Glxy S?	15	UGC 9425 MCG 5-34-83 CGCG 163-89 CGCG 164-2 VV 264 ARP 241 IRAS 14356+3041
PGC 52269		Glxy S	14.1	MCG 9-24-24
PGC 52226		Glxy Spiral	12.9	MCG 9-24-22
PGC 52120		Glxy S	15.8	MCG 5-34-76 VV 303 ARP 95
PGC 54377		Glxy Scd:	15.3	UGC 9780 MCG 8-28-9 CGCG 249-13 IRAS 15122+4446 KARA668
PGC 53720		Glxy S	16.9	Hickson 73C
PGC 53476		Glxy SAd	14.9	UGC 9632 MCG 9-24-59 CGCG 273-36 CGCG 274-2
PGC 53433		Glxy Double System	14.9	UGC 9618 MCG 4-35-18 CGCG 134-58 VV 340 ARP 302
PGC 53432		Glxy S	15.8	UGC 9618 MCG 4-35-19 CGCG 134-58 VV 340 ARP 302
PGC 53376		Glxy Sb	16.2	UGC 9606
PGC 53372		Glxy S	17.3	MCG 4-35-17 VV 840 ARP 177
PGC 53371		Glxy S	18	MCG 4-35-16 VV 840 ARP 177 IRAS 14535+2447
PGC 53054		Glxy Sab	16.7	UGC 9561 MCG 2-38-19 CGCG 76-76 VV 296 ARP 173 IRAS 14490+932
PGC 55095		Glxy IBm	15.8	UGC 9857 MCG 7-32-9
PGC 53053		Glxy S0	15.7	MCG 2-38-20 VV 296 ARP 173
PGC 52854		Glxy S0?	15.8	UGC 9532 MCG 3-38-22 CGCG 105-30 VV 165 ARP 328 Hickson 72C
PGC 52851		Glxy L	16	UGC 9532 MCG 3-38-21 CGCG 105-30 VV 165 ARP 328 Hickson 72D
PGC 52848		Glxy S	15.9	UGC 9532 MCG 3-38-20 CGCG 105-30 VV 165 ARP 328 Hickson 72B
PGC 52844		Glxy S0?	16.1	MCG 3-38-17 CGCG 105-30 VV 165 ARP 328 Hickson 72A
PGC 52803		Glxy SB	15.4	MCG 3-38-14 CGCG 105-26 VV 435 ARP 47
PGC 52794		Glxy	15.5	CGCG 76-40
PGC 52788		Glxy S0/a	14.4	UGC 9523 MCG 2-38-10 CGCG 76-38
PGC 52098		Glxy	14.1	MCG 9-24-19
PGC 51748		Glxy S R	15.5	MCG 5-34-53 CGCG 163-62
PGC 51747		Glxy S-Irr	15.7	UGC 9302 MCG 5-34-54 CGCG 163-65
PGC 51621		Glxy SBc-Irr	15	UGC 9266 MCG 5-34-44 CGCG 163-53

## Bootes - The Herdsman

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 51587		Glxy Sd:	14.7	UGC 9249 CGCG 75-33
PGC 51503		Glxy Sd	14.1	UGC 9242 MCG 7-30-11 CGCG 220-15 1ZW88
PGC 51296		Glxy S	16.5	KUG 1419+352
PGC 51285		Glxy S	16.2	MCG 6-32-4
PGC 48974		Glxy S	15.8	MCG 4-33-3 CGCG 132-14 VV 190
PGC 48529		Glxy S	16	KUG 1339+245
PGC 48077		Glxy S	15.2	MCG 3-35-11 CGCG 102-25
PGC 48203		Glxy		
PGC 48479		Glxy S?	15	MCG 5-32-62 CGCG 161-122
IC 4307		Glxy S0?	15.1	MCG 5-32-43 CGCG 161-88 PGC 48032
IC 4322		Glxy SA(r)0-:	15.1	CGCG 131-30 PGC 48635
IC 4344		Glxy SB	15.4	MCG 4-33-26 CGCG 132-45 PGC 49492
IC 4346		Glxy S	15.3	MCG 4-33-29 CGCG 132-49 PGC 49523
IC 4542B		Glxy S	15.9	MCG 6-34-7 PGC 54856
IC 4542		Glxy S0/a	15.1	MCG 6-34-6 CGCG 194-2 PGC 54855
IC 4526		Glxy S	16.6	UGC 9673 MCG 4-35-26 CGCG 134-70 IRAS 15004+2332 Hickson 73B ARP 42 PGC 53707
IC 4462		Glxy L	16.9	UGC 9384 MCG 5-34-78 CGCG 163-85 VV 303 ARP 95 PGC 52123
IC 4461		Glxy Double System	15.2	UGC 9384 MCG 5-34-77 CGCG 163-85 VV 303 ARP 95 PGC 52119
IC 4384		Glxy S0/a	14.9	UGC 9082 MCG 5-33-54 CGCG 163-3 PGC 50690
IC 4383		Glxy Sc-Irr	15.3	UGC 9086 MCG 3-36-82 CGCG 103-115 KUG 1409+161 PGC 50713
IC 4382		Glxy S?	15.4	CGCG 132-79 CGCG 133-2 Hickson 71B PGC 50635
IC 4381		Glxy Scd:	14.4	UGC 9073 MCG 4-33-42 CGCG 132-78 CGCG 133-1 IRAS 14087+2545 Hickson 71A PGC 50629
IC 4349		Glxy S	15.3	MCG 4-33-32 CGCG 132-51 PGC 49530
MAC 1411+1910		Glxy	16	
MAC 1409+4903		Glxy	15.5	
MAC 1409+4902A		Glxy	16.5	
MAC 1409+1731		Glxy	15.5	
MAC 1403+0933		Glxy	15.5	
MAC 1403+0931		Glxy	16	
MAC 1402+0918		Glxy	16.5	
MAC 1355+2509		Glxy	15	
MAC 1355+2506B		Glxy	15.5	
MAC 1355+2504		Glxy	16	
MAC 1342+2418		Glxy	16	
MAC 1341+2706		Glxy	15.5	
MAC 1341+2316		Glxy	16.5	
MAC 1341+2315		Glxy	16.5	
MAC 1341+2313		Glxy	17	
MAC 1338+2645		Glxy	15.5	
MAC 1337+1603		Glxy	15.5	
MAC 1518+4152		Glxy	16.5	
MAC 1457+2441		Glxy	15	
MAC 1456+2444		Glxy	15	
MAC 1456+2442A		Glxy	16	

## Bootes - The Herdsman

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC 1456+2442		Glxy	16.5	
MAC 1456+2438		Glxy	16	
MAC 1456+2436		Glxy	15.5	
MAC 1455+2430		Glxy	16	
MAC 1447+1851		Glxy	15.5	ARP 47
MAC 1447+1849		Glxy	15	
MAC 1446+1135		Glxy	17	
MAC 1437+3030		Glxy	16.5	
MAC 1429+5349		Glxy	15.5	
MAC 1415+3624B		Glxy	16.5	
MAC 1415+3624A		Glxy	17	
MAC 1411+2545		Glxy	16	
IC 4345		Glxy E?	15.9	MCG 4-33-25 CGCG 132-46 Hickson 69B PGC 49507
IC 4343		Glxy E/S0	15.5	MCG 4-33-24 CGCG 132-44 PGC 49470
IC 4314		Glxy S?	14.6	MCG 5-32-47 CGCG 161-96 PGC 48197
IC 4313		Glxy C	15.6	MCG 5-32-46 CGCG 161-94 PGC 48186
NGC 5239	H101-3	Glxy SB(rs)bc	13.6	UGC 8589 MCG 1-35-15 CGCG 45-40 IRAS 13339+737 PGC 48023
NGC 5424		Glxy S0	14	UGC 8956 MCG 2-36-19 CGCG 74-63 PGC 50035
NGC 5434		Glxy SAc	13.2	UGC 8965 MCG 2-36-22 CGCG 74-68 PGC 50077
NGC 5653	H330-2	Glxy (R')SA(rs)b	12.9	IC 1026 PGC 51814 UGC 9318 MCG 5-34-58 CGCG 163-68 IRAS 14280+3126
NGC 5642	H126-3	Glxy E	13.6	UGC 9301 MCG 5-34-52 CGCG 163-64 PGC 51751
NGC 5641		Glxy (R')SAB(r)ab	13.1	UGC 9300 MCG 5-34-55 CGCG 163-63 IRAS 14270+2902 PGC 51758
NGC 5633	H185-1	Glxy (R)SA(rs)b	13.1	UGC 9271 MCG 8-26-34 CGCG 247-30 1ZW89 IRAS 14255+4622 KARA631 PGC 51620
NGC 5625		Glxy Sbc	14.8	MCG 7-30-13 CGCG 220-17 VV 25 PGC 51592
NGC 5624		Glxy S?	14.1	UGC 9256 MCG 9-24-6 CGCG 273-6 IRAS 14248+5148 PGC 51568
NGC 5615		Glxy	15.5	MCG 6-32-23 VV 77 ARP 178 PGC 51435
NGC 5614	H420-2	Glxy SA(r)ab pec	11.6	UGC 9226 MCG 6-32-22 CGCG 192-14 VV 77 ARP 178 IRAS 14220+3505 PGC 51439
NGC 5613		Glxy (R)SAB(r)0+	14.5	UGC 9228 MCG 6-32-21 VV 77 ARP 178 PGC 51433
NGC 5753		Glxy	15.7	MCG 7-30-62 CGCG 220-53 IRAS 14434+3859 ARP 297 PGC 52695
NGC 5752		Glxy Sb	16.6	MCG 7-30-60 CGCG 220-52 ARP 297 PGC 52685
NGC 5751	H809-2	Glxy Scd:	13.9	UGC 9498 MCG 9-24-33 CGCG 273-24 IRAS 14422+5336 PGC 52607
NGC 5739	H171-1	Glxy SAB(r)0+:	13.1	UGC 9486 MCG 7-30-52 CGCG 220-49 IRAS 14405+4203 PGC 52531
NGC 5723		Glxy E/S0	15.6	MCG 8-27-15 CGCG 248-16 PGC 52354
NGC 5722		Glxy	14.4	MCG 8-27-14 PGC 52355
NGC 5721		Glxy	16.9	MCG 8-27-13 CGCG 248-16 PGC 52346
NGC 5720		Glxy Sb	14.2	UGC 9439 MCG 9-24-25 CGCG 273-17 PGC 52328
NGC 5717		Glxy S	15.3	MCG 8-27-12 CGCG 248-15 PGC 52332
NGC 5930	H651-2	Glxy Sa	13	UGC 9852 MCG 7-32-7 CGCG 222-7 1ZW112 VV 823 ARP 90 IRAS 15243+4150 PGC 55080
NGC 5929		Glxy Sab: pec	14.4	UGC 9851 MCG 7-32-6 CGCG 222-7 1ZW112 VV 823 ARP 90 PGC 55076
NGC 5923		Glxy SAB(s)bc	13.7	UGC 9823 MCG 7-32-1 CGCG 222-2 CGCG 221-52 IRAS 15194+4154 PGC 54780
NGC 5918		Glxy Scd:	13.9	UGC 9817 MCG 8-28-17 CGCG 249-16 IRAS 15177+4603 PGC 54690
NGC 5914B		Glxy S	16.6	MCG 7-31-56 PGC 54653
NGC 5914A		Glxy Sb	15.3	PGC 54654 MCG 7-31-55
NGC 5902	H737-3	Glxy S	14	MCG 8-28-11 CGCG 274-35 PGC 54394

## Bootes - The Herdsman

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 5900	H660-3	Glxy Sb: sp	14.8	UGC 9790 MCG 7-31-46 CGCG 221-44 IRAS 15132+4223 PGC 54431
NGC 5899	H650-2	Glxy SAB(rs)c	12.5	UGC 9789 MCG 7-31-45 CGCG 221-43 IRAS 15132+4214 PGC 54428
NGC 5876		Glxy SB(r)ab:	13.6	UGC 9747 MCG 9-25-28 CGCG 274-28 PGC 54110
NGC 5875	H755-2	Glxy SAB:	13.2	UGC 9745 MCG 9-25-27 CGCG 274-27 IRAS 15077+5243 PGC 54095
NGC 5874		Glxy SAB(rs)c	13.1	UGC 9736 MCG 9-25-24 CGCG 274-20 IRAS 15064+5456 KUG 1506+549 PGC 54018
NGC 5829		Glxy SA(s)c	13.9	UGC 9673 MCG 4-35-27 CGCG 134-70 VV 7 ARP 42 Hickson 73A PGC 53709
NGC 5821	H811-3	Glxy S?	14.5	UGC 9648 MCG 9-25-2 CGCG 273-39 CGCG 274-5 PGC 53532
NGC 5820	H756-2	Glxy S0 sp	13.4	UGC 9642 MCG 9-25-1 CGCG 273-38 CGCG 274-4 ARP 136 PGC 53511
NGC 5788		Glxy	15.6	MCG 9-24-49 CGCG 273-32 PGC 53189
NGC 5783		Glxy SBc	12.9	
NGC 5755		Glxy SBd	16	UGC 9507 MCG 7-30-63 CGCG 220-53 ARP 297 PGC 52690
NGC 5754	H687-3	Glxy SB(rs)b	13.9	UGC 9505 MCG 7-30-61 CGCG 220-52 ARP 297 IRAS 14432+3856 PGC 52686
NGC 5714	H675-3	Glxy Scd:	14.1	UGC 9431 MCG 8-27-11 CGCG 248-14 IRAS 14363+4651 PGC 52307
NGC 5707		Glxy Sab: sp	13.4	UGC 9428 MCG 9-24-23 CGCG 273-15 PGC 52266
NGC 5689	H188-1	Glxy SB(s)0/a:	12.8	UGC 9399 MCG 8-27-4 CGCG 248-10 IRAS 14337+4857 PGC 52154
NGC 5687	H808-2	Glxy S0-?	12.6	UGC 9395 MCG 9-24-20 CGCG 273-14 KARA637 PGC 52116
NGC 5676	H189-1	Glxy SA(rs)bc	11.9	UGC 9366 MCG 8-26-43 CGCG 248-3 CGCG 247-42 PGC 51978
NGC 5669	H79-2	Glxy SAB(rs)cd	12	UGC 9353 MCG 2-37-21 CGCG 75-64 IRAS 14302+1006 PGC 51973
NGC 5665	H27-2	Glxy SAB(rs)c pec?	12.7	UGC 9352 MCG 1-37-24 CGCG 47-84 VV 412 ARP 49 IRAS 14299+817 PGC 51953
NGC 5660	H695-2	Glxy SAB(rs)c	12.4	UGC 9325 MCG 8-26-39 CGCG 247-35 IRAS 14280+4950 PGC 51795
NGC 5609		Glxy		
NGC 5602	H694-2	Glxy Sa	13.6	UGC 9210 MCG 9-24-2 CGCG 273-4 PGC 51340
NGC 5600	H177-2	Glxy Sc pec	12.7	UGC 9220 MCG 3-37-13 CGCG 104-15 ARAK449 IRAS 14214+1451 8ZW410 PGC 51422
NGC 5590	H417-3	Glxy S0	13.3	PGC 51312 UGC 9200 MCG 6-32-6 CGCG 192-6
NGC 5589	H416-3	Glxy SBa	14.2	PGC 51300 UGC 9197 MCG 6-32-5 CGCG 192-4
NGC 5582	H754-2	Glxy E	12.5	UGC 9188 MCG 7-29-63 CGCG 220-3 CGCG 219-70 PGC 51251
NGC 5579	H415-3	Glxy Sc	13.7	
NGC 5520	H676-3	Glxy Sb	13.3	UGC 9097 MCG 8-26-13 CGCG 272-43 IRAS 14105+5034 PGC 50728
NGC 5504		Glxy SAB(s)bc	13.8	UGC 9085 MCG 3-36-81 CGCG 103-114 KUG 1409+160 PGC 50718
NGC 5498		Glxy S0-:	14.6	UGC 9075 MCG 4-33-43 CGCG 132-80 CGCG 133-3 PGC 50639
NGC 5490C		Glxy SB(s)bc	14.7	MCG 3-36-69 CGCG 103-100 ARP 79 PGC 50584
NGC 5490	H32-3	Glxy E	13.1	UGC 9058 MCG 3-36-65 CGCG 103-95 PGC 50558
NGC 5466	H9-6	Globular	9.2	
NGC 5438		Glxy E/S0	14.7	NGC 5446 PGC 50112 MCG 2-36-29 CGCG 74-75
NGC 5437		Glxy Sb	15.1	IC 4365 PGC 50113 MCG 2-36-28 CGCG 74-74
NGC 5436		Glxy S0/a	13.8	UGC 8971 MCG 2-36-25 CGCG 74-71 PGC 50104
NGC 5557	H99-1	Glxy E1	11.9	UGC 9161 MCG 6-31-93 CGCG 191-74 PGC 51104
NGC 5548	H194-2	Glxy (R')SA(s)0/a	13.3	UGC 9149 MCG 4-34-13 CGCG 133-25 IRAS 14156+2522 KUG 1415+253 PGC 51074
NGC 5545		Glxy SA(s)bc:	16	UGC 9143 MCG 6-31-91 VV 210 ARP 199 IRAS 14149+3648 PGC 51023
NGC 5544	H419-2	Glxy (R)SB(rs)0/a	14.2	UGC 9142 MCG 6-31-90 CGCG 191-73 VV 210 ARP 199 PGC 51018
NGC 5533	H418-2	Glxy SA(rs)ab	12.7	UGC 9133 MCG 6-31-89 CGCG 191-72 IRAS 14140+3534 PGC 50973
NGC 5529	H414-3	Glxy Sc: sp	12.8	UGC 9127 MCG 6-31-85 CGCG 191-69 IRAS 14134+3627 PGC 50942
NGC 5527		Glxy SB	16	MCG 6-31-85A PGC 50925
NGC 5524		Glxy Spiral	15.2	MCG +6-31-81 CGCG 191-67 PGC 50868

# Bootes - The Herdsman

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 5523	H134-3	Glxy SA(s)cd:	12.8	UGC 9119 MCG 4-34-8 CGCG 133-18 IRAS 14125+2533 KARA621 PGC 50895
NGC 5431		Glxy S?	14.8	MCG 2-36-20 CGCG 74-65 PGC 50046
NGC 5423		Glxy S0-:	13.7	UGC 8952 MCG 2-36-17 CGCG 74-59 PGC 50028
NGC 5248	H34-1	Glxy SAB(rs)bc	11	UGC 8616 MCG 2-35-15 CGCG 73-54 IRAS 13350+908 PGC 48130
NGC 5249	H72-3	Glxy S0?	13.9	UGC 8618 MCG 3-35-15 CGCG 102-28 PGC 48134
NGC 5251	H369-3	Glxy S?	14.8	MCG 5-32-44 CGCG 161-90 KUG 1335+276 PGC 48119

**Sub Total: 214****Total: 623**

## Canis Major - The Big Dog

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 452		Non-Existent		NGC 2296 MCG -3-18-3 PGC 19643
NGC 2382		Non-Existent		NGC 2380 PGC 20916 ESO 492-12 MCG -5-18-5
NGC 2520		Non-Existent		NGC 2527
NGC 2361		Non-Existent		NGC 2359
IC 453		Non-Existent		
NGC 2352	H15-7	Non-Existent		
NGC 2358	H45-8	Non-Existent		
IC 2183		Non-Existent		
NGC 2351		Non-Existent		

**Sub Total: 9**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
HAFF 6		Open Cl IV2rn	9.2	
IC 468		Nebula E		LBN 1040
IC 456		Glxy SB(rs)0^	12.9	ESO 427-24 MCG -5-17-2 PGC 19993
NGC 2204	H13-7	Open Cl 13.0 II 2 r	8.6	
NGC 2212		Glxy SB(rs)0+ pec:	14.4	ESO 556-14 MCG -3-16-22 PGC 18796
NGC 2217		Glxy (R)SB(rs)0+	11.7	ESO 489-42 MCG -5-15-10 IRAS 6196-2712 PGC 18883
NGC 2362	H17-7	Open Cl 8.0 I 3 r	3.8	the Tau CMa Cluster
NGC 2360	H12-7	Open Cl 10.4 I 3 r	7.2	
NGC 2359	H21-5	Nebula E		NGC 2361
NGC 2354	H16-7	Open Cl 9.1 III 2 r	6.5	
NGC 2345		Open Cl 9.0 II 3 r	7.7	
NGC 2327	H25-4	Nebula		
NGC 2325		Glxy E4	12.4	ESO 427-28 MCG -5-17-5 PGC 20047
NGC 2318	H14-7	Open Cl 8.0 asterism?		
NGC 2292		Glxy SAB0^ pec	11.8	ESO 490-48 MCG -4-16-22 VV 178 PGC 19617
NGC 2287		Open Cl 8.0 I 3 r	4.5	M 41 Cr 118
NGC 2283	H271-3	Glxy SB(s)cd	12.9	ESO 557-13 MCG -3-18-2 PGC 19562
NGC 2280		Glxy SA(s)cd	10.9	ESO 427-2 MCG -5-16-20 UGC A131 IRAS 6428-2735 PGC 19531
NGC 2272		Glxy SAB(s)0-	12.7	ESO 490-33 MCG -5-16-17 PGC 19466
NGC 2271		Glxy SAB0-	13.2	ESO 490-34 MCG -4-16-17 PGC 19476
NGC 2267		Glxy SB(r)0^	13.2	ESO 426-29 MCG -5-16-15 PGC 19417
NGC 2263		Glxy (R')SB(r)ab	12.9	ESO 490-19 MCG -4-16-14 IRAS 6364-2448 PGC 19355
NGC 2243		Open Cl 11.8 I 2 r	9.4	
NGC 2384		Open Cl 8.6 IV 3 p	7.4	
NGC 2383		Open Cl 9.8 II 3 m	8.4	
NGC 2380		Glxy SB0	11.3	NGC 2382
NGC 2374	H35-8	Open Cl 10.7 IV 2 p	8	
NGC 2367	H27-8	Open Cl 9.4 II 3 m	7.9	
NGC 2296		Nebula E		IC 452 PGC 19643 MCG -3-18-3
NGC 2295		Glxy Sab: sp	13.6	ESO 490-47 MCG -4-16-21 VV 178 PGC 19607
NGC 2293		Glxy SAB(s)0+ pec	12.3	ESO 490-49 MCG -4-16-23 VV 178 PGC 19619

## Canis Major - The Big Dog

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 2227		Glxy SB(rs)c	13.2	ESO 556-23 MCG -4-16-4 IRAS 6238-2158 PGC 19030
NGC 2223		Glxy SAB(r)b	12.4	ESO 489-49 MCG -4-16-2 UGC A129 IRAS 6224-2248 PGC 18978
NGC 2216		Glxy SAB(r)ab:	13.7	ESO 556-17 MCG -4-15-27 IRAS 6194-2203 PGC 18877
NGC 2211		Glxy SB(r)0^:	13.7	ESO 556-13 MCG -3-16-21 PGC 18794
NGC 2206		Glxy SAB(rs)bc:	12.9	ESO 489-26 MCG -4-15-19 UGC A123 IRAS 6140-2644 PGC 18736
NGC 2207		Glxy SAB(rs)bc pec	11.6	ESO 556-8 MCG -4-15-20 UGC A124 IRAS 6142-2121 PGC 18749
IC 2163		Glxy SB(rs)c pec	12.6	ESO 556-9 MCG -4-15-21 UGC A125 PGC 18751
IC 2165		PI Neb 3b	12.9	PK 221-12.1 PNG 221.3-12.3
IC 2171		Glxy IB(s)m:	15.1	ESO 557-12 MCG -3-18-1 IRAS 6422-1752 PGC 19526

**Sub Total: 40****Total: 49**

# Canis Minor - The Little Dog

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 2189		Non-Existent		
NGC 2394	H44-8	Non-Existent		
IC 473		Non-Existent		(STAR)
NGC 2459	H479-3	Non-Existent		
IC 2216		Non-Existent		(STAR)
NGC 2412		Non-Existent		
<b>Sub Total: 6</b>				

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
ABELL 20		PI Neb	13.7	PK 214+7.1
IC 494		Glxy SA0 <sup>+</sup> :	14.1	UGC 4224 MCG 0-21-4 CGCG 3-10 PGC 22755
IC 498		Glxy S	14.3	UGC 4255 MCG 1-21-15 CGCG 31-59 VV 526 PGC 22895
IC 2231		Glxy E:	14.4	UGC 4265 MCG 1-21-18 CGCG 31-66 PGC 22950
MAC 0810+0515		Glxy	15.5	
MAC 0802+0922		Glxy	16.5	
MAC 0802+0921		Glxy	15.5	
MAC 0742+0922B		Glxy	16.5	
MAC 0730+0939		Glxy	16	
NGC 2350		Glxy S0/a	13.3	UGC 3747 MCG 2-19-1 CGCG 57-5 IRAS 7104+1221 PGC 20416
NGC 2491		Glxy	15.9	CGCG 31-7 PGC 22353
NGC 2499		Glxy SBc	14.9	MCG 1-21-3 CGCG 31-11 PGC 22366
NGC 2538		Glxy (R')SBa	13.5	UGC 4266 MCG 1-21-19 CGCG 31-67 IRAS 8087+347 PGC 22962
NGC 2511		Glxy S?	15.1	MCG 2-21-8 MK 1207 CGCG 59-24 PGC 22549
NGC 2510		Glxy S0:	14.4	UGC 4178 MCG 2-21-7 CGCG 59-23 PGC 22541
NGC 2508	H7-3	Glxy E?	13.7	UGC 4174 MCG 2-21-4 CGCG 59-18 PGC 22528
NGC 2504		Glxy S?	14.9	UGC 4152 MCG 1-21-4 CGCG 31-15 IRAS 7572+544 PGC 22414
NGC 2496		Glxy E	13.9	UGC 4127 MCG 1-21-2 CGCG 31-9 PGC 22359
NGC 2485		Glxy Sa	13.1	UGC 4112 MCG 1-21-1 CGCG 31-3 IRAS 7541+736 PGC 22266
NGC 2402	H19-3	Glxy Double System	15.4	UGC 3891 MCG 2-19-4 CGCG 57-15 PGC 21176
NGC 2416		Glxy Scd:	14.1	UGC 3925 MCG 2-20-2 CGCG 58-8 IRAS 7329+1143 PGC 21358
NGC 2470		Glxy Sab	13.6	UGC 4091 MCG 1-20-9 CGCG 30-29 IRAS 7517+435 PGC 22137
NGC 2433		Glxy Sab	15.7	CGCG 58-29 PGC 21634
PGC 21344		Glxy	15.6	CGCG 58-4
PGC 21356		Glxy Sm:	14.7	UGC 3924 CGCG 58-7
PGC 21359		Glxy	15	MCG 2-20-3 CGCG 58-9 IRAS 7329+1149
PGC 22967		Glxy	15.6	CGCG 31-68
PGC 22905		Glxy C	15.5	CGCG 31-60
PGC 22392		Glxy Sc	15.8	UGC 4144 CGCG 31-14 IRAS 7567+734
PGC 22360		Glxy	15.3	CGCG 31-10
PGC 22355		Glxy	15.5	CGCG 31-8
PGC 22334		Glxy	15.5	CGCG 31-5
<b>Sub Total: 32</b>				
<b>Total: 38</b>				

## Canes Venatici - The Hunting Dogs

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 4113		Glxy		
NGC 4228		Non-Existent		NGC 4214 PGC 39225 UGC 7278 MCG 6-27-42 CGCG 187-32 IRAS 12131+3636
NGC 4226		Glxy Sa pec?	14.4	UGC 7297 MCG 8-22-90 CGCG 243-57 PGC 39312
IC 3703		Non-Existent		
IC 3697		Glxy S	14.8	MCG 7-26-41 PGC 42756
IC 3687		Glxy IAB(s)m	13.7	UGC 7866 MCG 7-26-39 DDO141 CGCG 216-19 PGC 42656
IC 3681		Non-Existent		(STAR)
IC 3680		Non-Existent		
IC 3675		Non-Existent		UGC 7861 MCG 7-26-38 CGCG 216-18 ARP 23 IRAS 12395+4132 PGC 42607
NGC 4619	H411-2	Glxy SB(r)b pec?	13.5	UGC 7856 MCG 6-28-18 CGCG 188-14 IRAS 12393+3520 PGC 42594
IC 3669		Knt in Glxy		
IC 3668		Knt in Glxy		
IC 3772		Glxy SB	15.6	MCG 6-28-28 CGCG 188-20 PGC 43123
IC 3771		Glxy		
IC 3769		Non-Existent		(STAR)
IC 3768		Non-Existent		(STAR)
IC 3765		Non-Existent		(STAR)
IC 3757		Non-Existent		(STAR)
IC 3758		Glxy	15.5	CGCG 216-26 PGC 43046
IC 3751		Glxy E	15.5	
IC 3747		Non-Existent		
NGC 4719	H424-3	Glxy SB(s)b	14	UGC 7987 MCG 6-28-35 MK 446 CGCG 188-24 IRAS 12477+3325 KARA553 KUG 1247+334 PGC 43428 (STAR)
IC 3823		Non-Existent		
IC 3820		Glxy		
IC 3816		Glxy S	15.3	MCG 6-28-34 PGC 43369
IC 3809		Glxy		
IC 3810		Non-Existent		IC 3808 IC 3810 MCG 7-26-55 MK 445 CGCG 216-32 PGC 43312
IC 3808		Glxy SBc	15.7	IC 3808 IC 3810 MCG 7-26-55 MK 445 CGCG 216-32 PGC 43312
NGC 4704	H662-2	Glxy SB(rs)bc pec	14.5	UGC 7972 MCG 7-26-54 CGCG 216-31 IRAS 12464+4211 PGC 43288
IC 3804		Non-Existent		UGC 7973 MCG 6-28-33 CGCG 188-22 IRAS 12463+3536 PGC 43286
IC 4006		Non-Existent		(STAR)
IC 4004		Glxy S	14.6	MCG 7-27-11 CGCG 217-5 PGC 44618
IC 4002		Glxy		
IC 4003		Glxy S	14.6	MCG 7-27-10 CGCG 217-5 PGC 44619
IC 4001		Glxy		
IC 4000		Glxy		
IC 3997		Glxy		
IC 3995		Non-Existent		(STAR)
IC 3996		Non-Existent		(STAR)
IC 3993		Glxy		
IC 3992		Non-Existent		(STAR)
IC 3989		Non-Existent		(STAR)
IC 3988		Non-Existent		(STAR)
IC 3987		Glxy		

# Canes Venatici - The Hunting Dogs

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 3981		Non-Existent		(STAR)
IC 3979		Non-Existent		(STAR)
IC 3983		Non-Existent		(STAR)
IC 3982		Non-Existent		(STAR)
IC 3980		Glxy		
IC 3977		Non-Existent		
IC 3972		Non-Existent		(STAR)
NGC 4870		Glxy		PGC 44569
IC 3975		Glxy L	15.5	MCG 7-27-9 PGC 44555
IC 3966		Glxy Spiral	15.9	MCG 6-29-7 KUG 1256+361 PGC 44565
IC 3967		Glxy S0	15.8	MCG 6-29-5 CGCG 189-7 PGC 44561
IC 3970		Non-Existent		(STAR)
IC 3961		Non-Existent		NGC 4861
IC 3956		Glxy		
IC 3952		Glxy		
IC 3942		Non-Existent		(STAR) 1ZW48 PGC 44492
IC 3945		Glxy		
IC 3940		Glxy C	17.1	KUG 1255+361 PGC 44429
IC 3941		Glxy		
IC 3933		Non-Existent		(STAR)
NGC 4846		Glxy S?	14.5	UGC 8079 MCG 6-29-2 CGCG 188-32 CGCG 189-4 IRAS 12554+3637 KARA561 KUG 1255+366 PGC 44362
IC 3930		Glxy		
IC 3928		Glxy		
IC 3925		Non-Existent		(STAR)
IC 3923		Non-Existent		(STAR)
IC 3922		Glxy		
IC 3921		Glxy		
IC 3920		Glxy		
IC 3919		Non-Existent		
IC 3914		Glxy		
IC 3911		Glxy		
IC 3912		Non-Existent		(STAR)
IC 3910		Non-Existent		(STAR)
IC 3909		Glxy		
IC 3906		Non-Existent		(STAR)
IC 3904		Glxy Sa	15.6	MCG 6-28-43 CGCG 189-1 CGCG 188-29 KARA558 KUG 1253+365 PGC 44075
IC 3903		Non-Existent		(STAR)
IC 3902		Non-Existent		(STAR)
IC 3898		Glxy		
IC 3897		Glxy		
IC 3895		Glxy S?	15.4	MCG 7-27-6 CGCG 217-3 PGC 44010
IC 3893		Glxy		
IC 3892		Glxy S?	15.3	UGC 8044 MCG 7-27-5 CGCG 217-2 PGC 44001
IC 3891		Glxy		
IC 3889		Non-Existent		(STAR)

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Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 3890		Glxy		
IC 3888		Glxy S	15.6	MCG 7-27-3 PGC 43956
IC 3887		Non-Existent		(STAR)
IC 3885		Glxy		
IC 3878		Non-Existent		(STAR)
IC 3863		Glxy		
IC 3861		Glxy		
IC 3855		Glxy		
IC 3853		Glxy		
IC 3854		Glxy		
NGC 4774	H618-3	Glxy Ring:	14.8	MCG 6-28-37 CGCG 188-26 ARAK392 1ZW45 VV 789 IRAS 12507+3705 KUG 1250+370 PGC 43759
IC 3850		Glxy S	14.3	MCG 7-27-1 PGC 43702
IC 3849		Non-Existent		
IC 3845		Non-Existent		(STAR)
NGC 5391		Non-Existent		MCG 8-25-54 PGC 49609
NGC 5375		Glxy SB(r)ab	12.4	NGC 5396 PGC 49604 UGC 8865 MCG 5-33-27 CGCG 162-35 IRAS 13546+2924 KARA605
NGC 5378		Glxy (R')SB(r)a	13.4	UGC 8869 MCG 6-31-27 CGCG 191-20 PGC 49598
NGC 5390		Non-Existent		NGC 5371 PGC 49514 UGC 8846 MCG 7-29-20 CGCG 219-29 IRAS 13535+4042
NGC 5361	H682-3	Glxy S?	14.8	MCG 7-29-15 CGCG 219-25 IRAS 13524+3841 KUG 1352+386 PGC 49441
NGC 5352	H415-2	Glxy S0-:	14	UGC 8812 MCG 6-31-11 CGCG 191-9 PGC 49370
IC 4341		Non-Existent		IC 4341 MCG 6-31-10 CGCG 191-11 KUG 1351+377 PGC 49366
IC 4340		Glxy S?	14.9	MCG 6-31-9 CGCG 191-10 PGC 49364
IC 4339		Glxy		IC 4339 MCG 6-31-10 CGCG 191-11 KUG 1351+377 PGC 49366
NGC 5351	H697-2	Glxy SA(r)b:	13	UGC 8809 MCG 6-31-8 CGCG 191-8 CGCG 190-73 IRAS 13513+3809 KUG 1351+381 PGC 49359
NGC 5349		Glxy SBb	14.9	UGC 8803 MCG 6-31-5 CGCG 190-72 CGCG 191-6 IRAS 13510+3807 PGC 49336
NGC 5346		Glxy Scd:	14.5	UGC 8804 MCG 7-29-7 CGCG 219-14 KUG 1350+398 PGC 49322
NGC 5341		Glxy S?	14.2	UGC 8792 MCG 6-31-2 CGCG 190-69 CGCG 191-2 IRAS 13503+3803 KUG 1350+380 PGC 49285
NGC 5325A		Non-Existent		
NGC 5325		Glxy SB(s)m:	15	MCG 7-28-80 CGCG 218-62 CGCG 219-7 KUG 1348+385 PGC 49163
NGC 5325B		Glxy S?	16.1	
NGC 5321		Glxy S0/a	15.1	MCG 6-30-101 CGCG 190-65 PGC 49148
IC 4336		Glxy SBb	14.8	UGC 8761 MCG 7-28-77 CGCG 218-59 CGCG 219-4 IRAS 13485+3957 PGC 49146
NGC 5319		Glxy Spiral	15	MCG 6-30-95 PGC 49124
NGC 5318	H423-3	Glxy S0?	13.4	UGC 8751 MCG 6-30-96 CGCG 190-63 PGC 49139
NGC 5312	H422-3	Glxy S0/a	14.9	MCG 6-30-92 CGCG 190-61 PGC 49075
IC 4334		Glxy S0?	15.4	MCG 5-33-8 CGCG 162-14 PGC 49072
IC 4335		Non-Existent		(STAR)
NGC 5305	H621-3	Glxy SB(r)b	14.4	UGC 8729 MCG 6-30-87 CGCG 190-57 PGC 48930
NGC 5303B		Glxy Sbc	14.6	
NGC 5303A		Non-Existent		
NGC 5303	H681-3	Glxy Pec	13.4	UGC 8725 MCG 7-28-67 CGCG 218-47 ARAK428 IRAS 13455+3833 KUG 1345+385A PGC 48917
NGC 5296		Glxy S0+:	15.1	MCG 7-28-62 CGCG 218-44 PGC 48811

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Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 5287		Glxy L	16.3	MCG 5-32-79 PGC 48741
NGC 5282		Glxy S?	14.2	UGC 8687 MCG 5-32-75 CGCG 161-133 PGC 48614
IC 4308		Non-Existent		
IC 4306		Glxy L	15.8	MCG 6-30-58 CGCG 190-35 PGC 48015
IC 4305		Glxy E5	15	MCG 6-30-54 CGCG 190-33 PGC 47981
IC 4304		Glxy Sab	15	UGC 8586 MCG 6-30-55 CGCG 190-32 PGC 47980
IC 4302		Glxy Scd:	17.5	UGC 8580 MCG 6-30-51 PGC 47935
IC 4301		Glxy S	16.6	UGC 8579 MCG 6-30-50 PGC 47936
IC 4300		Glxy	16.1	MCG 6-30-48 PGC 47912
NGC 5214	H656-3	Glxy Scd:	14.3	UGC 8531 MCG 7-28-30 CGCG 218-21 KUG 1330+421 PGC 47675
NGC 5214A		Glxy Sbc	15	
IC 895		Non-Existent		
IC 4283		Glxy S0- sp	15.3	CGCG 161-78 PGC 47611
IC 4285		Glxy S	16.7	
IC 4284		Glxy E	16	
IC 4282		Glxy dE?	17.4	
NGC 5199	H406-3	Glxy Compact	15	UGC 8504 MCG 6-30-24 CGCG 190-16 PGC 47492
IC 4278		Glxy		
IC 4277		Glxy		
IC 4269		Glxy L	16	MCG 6-30-14 PGC 47348
IC 4268		Glxy		
IC 4266		Glxy		
IC 4263		Glxy SB(s)d: sp	15.1	UGC 8470 MCG 8-25-7 CGCG 246-4 PGC 47270
NGC 5166B		Glxy Sb	14.8	
NGC 5166		Glxy Sb	14.3	UGC 8463 MCG 5-32-26 CGCG 161-62 IRAS 13259+3217 PGC 47234
NGC 5166A		Non-Existent		
NGC 5169		Glxy SB(rs)b:	14.3	UGC 8465 MCG 8-25-4 CGCG 246-2 PGC 47231
IC 4258		Glxy		
IC 4257		Non-Existent		(STAR)
NGC 5157	H651-3	Glxy SAB(r)a	14.1	UGC 8455 MCG 5-32-21 CGCG 161-56 PGC 47131
IC 4256		Glxy		
NGC 5154	H405-3	Glxy Scd:	14.5	UGC 8447 MCG 6-30-11 CGCG 190-11 PGC 47041
NGC 5149	H404-3	Glxy SBbc	13.8	UGC 8444 MCG 6-30-10 CGCG 190-10 IRAS 13238+3611 KUG 1323+361 PGC 47011
NGC 5143		Glxy Spiral	15.6	MCG 6-30-5 CGCG 190-8 CGCG 189-67 KUG 1322+366B PGC 46918
NGC 5142	H403-3	Glxy S0	14.2	UGC 8435 MCG 6-30-6 MK 452 CGCG 189-66 CGCG 190-7 KUG 1322+366A PGC 46919
NGC 5141	H402-3	Glxy S0	13.8	UGC 8433 MCG 6-30-4 CGCG 190-6 CGCG 189-65 PGC 46906
IC 4242		Glxy S0	15	
IC 4240		Glxy		
IC 4239		Glxy S?	15.3	MCG 5-32-15 CGCG 161-45 PGC 46872
IC 4238		Glxy		
NGC 5131		Glxy Sa	14.4	UGC 8422 MCG 5-32-14 CGCG 161-43 PGC 46819
NGC 5127	H328-2	Glxy E pec	12.9	UGC 8419 MCG 5-32-13 CGCG 161-42 PGC 46809
NGC 5117		Glxy SBcd?	13.9	UGC 8411 MCG 5-32-10 CGCG 161-37 PGC 46746
IC 4227		Glxy	15.6	CGCG 161-25 PGC 46594

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Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 4226		Glxy S?	15.1	MCG 5-32-2 CGCG 160-205 CGCG 161-23 PGC 46555
NGC 5441		Glxy Spiral	16.3	MCG 6-31-53 PGC 50057
NGC 5433	H653-3	Glxy Sdm:	14.1	UGC 8954 MCG 6-31-50 CGCG 191-38 IRAS 14003+3245 PGC 50012
NGC 5439		Glxy Sa	14.7	UGC 8947 MCG 8-26-2 CGCG 247-3 IRAS 14000+4632 KARA609 PGC 49965
NGC 5421B		Glxy C	13.2	
NGC 5421A		Glxy SB?	13.2	
NGC 5410	H672-2	Glxy SB?	14	UGC 8931 MCG 7-29-34 CGCG 219-41 VV 256 KUG 1358+412A PGC 49893
NGC 5407	H684-3	Glxy E?	14.1	UGC 8930 MCG 7-29-33 CGCG 219-40 PGC 49890
IC 4357		Glxy S?	14.8	UGC 8926 MCG 5-33-40 CGCG 162-47 PGC 49879
NGC 5403	H683-3	Glxy SB(s)b: sp	14.4	UGC 8919 MCG 6-31-41 CGCG 191-29 VV 310 IRAS 13577+3825 PGC 49820
NGC 5401	H412-3	Glxy Sa	14.6	UGC 8916 MCG 6-31-40 CGCG 191-28 PGC 49810
NGC 5399	H411-3	Glxy S?	14.8	UGC 8912 MCG 6-31-39 CGCG 191-27 IRAS 13573+3500 PGC 49799
NGC 5396	H125-3	Non-Existent		
IC 4355		Glxy Sa	15.4	MCG 5-33-30 CGCG 162-37 IRAS 13557+2839 PGC 49690
IC 4353		Non-Existent		(STAR)
NGC 5098B		Glxy E-S0	14.6	
NGC 5098A		Glxy E	14.1	
NGC 5098		Glxy	13.8	MCG 6-29-78 CGCG 189-52 PGC 46529
NGC 5096	H650-3	Glxy E0	14.9	MCG 6-29-76 CGCG 189-51 VV 633 PGC 46506
IC 4225		Glxy S0/a	15.3	UGC 8378 MCG 5-31-177 CGCG 160-198 CGCG 161-16 PGC 46507
NGC 5093	H633-3	Glxy Sa	14.6	UGC 8373 MCG 7-27-60 CGCG 217-29 PGC 46472
NGC 5083		Glxy SB(r)cd	14.9	UGC 8367 MCG 7-27-59 CGCG 217-28 IRAS 13167+3951 PGC 46413
IC 861		Glxy S0/a	15.4	UGC 8326 MCG 6-29-68 CGCG 189-46 PGC 46092
NGC 5025	H649-3	Glxy Sb	14.2	UGC 8292 MCG 5-31-155 CGCG 160-162 IRAS 13103+3204 PGC 45887
NGC 5029		Glxy E	14.1	UGC 8293 MCG 8-24-87 CGCG 245-32 PGC 45880
IC 4213		Glxy Scd:	14	UGC 8280 MCG 6-29-57 CGCG 189-39 PGC 45848
NGC 5021		Glxy SBb	14.2	UGC 8284 MCG 8-24-84 CGCG 245-30 IRAS 13099+4627 PGC 45834
NGC 5014	H414-2	Glxy Sa? sp	13.5	UGC 8271 MCG 6-29-55 MK 449 CGCG 189-37 IRAS 13092+3632 KUG 1309+365 PGC 45787
IC 4211		Non-Existent		(STAR)
NGC 5002		Glxy SBm:	14.4	UGC 8254 MCG 6-29-51 CGCG 189-34 KUG 1308+368 PGC 45728
IC 4208		Non-Existent		
IC 4207		Glxy		
IC 4206		Non-Existent		(STAR)
NGC 5003	H655-3	Glxy Sa	15.1	MCG 7-27-37 PGC 45732
NGC 4986	H401-3	Glxy SB(r)b	14	UGC 8221 MCG 6-29-44 CGCG 189-27 PGC 45538
IC 4204		Glxy SB?c	16.3	
IC 4203		Non-Existent		(STAR)
NGC 4985	H654-3	Glxy S0	14.7	UGC 8218 MCG 7-27-32 CGCG 217-12 PGC 45522
IC 4201		Glxy S	15.8	MCG 6-29-42 PGC 45490
IC 4199		Non-Existent		(STAR)
IC 4195		Non-Existent		(STAR)
IC 4193		Glxy	15.6	CGCG 217-11 PGC 45342
IC 4190		Non-Existent		(STAR)
IC 4194		Non-Existent		(STAR)
IC 4192		Non-Existent		

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Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 4189		Glxy Scd:	14.2	UGC 8191 MCG 6-29-34 CGCG 189-21 KUG 1303+362 PGC 45336
IC 4188		Glxy Spiral	15.5	MCG 6-29-33 KUG 1303+365 PGC 45332
IC 4186		Non-Existent		(STAR)
IC 4187		Glxy E/S0		MCG 6-29-32 PGC 45333
IC 4184		Glxy		
NGC 4963	H663-2	Glxy S?	14.2	UGC 8190 MCG 7-27-30 CGCG 217-10 IRAS 13035+4159 PGC 45315
IC 4182		Glxy SA(s)m	11.8	UGC 8188 MCG 6-29-31 CGCG 189-20 PGC 45314
IC 4179		Non-Existent		(STAR)
IC 4178		Glxy Irr	15.7	UGC 8187 MCG 6-29-30 PGC 45306
NGC 4959		Glxy Sa	15.3	MCG 6-29-29 CGCG 189-18 PGC 45301
IC 4174		Non-Existent		(STAR)
IC 4166		Glxy SBab?	15	UGC 8180 MCG 5-31-122 CGCG 160-133 PGC 45264
IC 4171		Glxy Sc	14.5	UGC 8182 MCG 6-29-26 KUG 1302+363 PGC 45265
IC 4169		Glxy		
IC 4168		Glxy		
IC 4165		Glxy Sc	14.8	MCG 7-27-25 PGC 45223
IC 4161		Glxy		
IC 4158		Glxy		
IC 4157		Non-Existent		(STAR)
IC 4155		Non-Existent		(STAR)
IC 4152		Glxy		
IC 4151		Glxy		
IC 4144		Glxy Sb	16.1	UGC 8169 MCG 6-29-23 PGC 45145
IC 4145		Glxy		
IC 4143		Non-Existent		(STAR)
IC 4142		Non-Existent		(STAR)
IC 4135		Glxy S	16.5	
IC 4132		Non-Existent		(STAR)
IC 4131		Glxy		
IC 4127		Glxy L	16.1	MCG 6-29-22 PGC 45089
IC 4123		Glxy Sb	15.2	MCG 7-27-23 PGC 45059
IC 4120		Non-Existent		(STAR)
IC 4118		Glxy S	15.5	MCG 7-27-21 PGC 45040
IC 4112		Non-Existent		(STAR) MCG 6-29-20 PGC 45041
IC 4115		Glxy S	15.5	KUG 1300+374 PGC 45036
IC 4117		Non-Existent		(STAR)
IC 4114		Glxy		
IC 4108		Glxy S	15.5	MCG 7-27-20 PGC 45005
IC 4103		Glxy S	16.5	MCG 6-29-19 PGC 44989
IC 4105		Glxy		
IC 4104		Glxy		
IC 4102		Glxy		
IC 4101		Non-Existent		(STAR)
IC 4098		Glxy		
IC 4097		Non-Existent		(STAR)

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Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 4100		Glxy Scd:	14.7	UGC 8144 MCG 7-27-19 CGCG 217-7 PGC 44963
IC 4094		Glxy		
IC 4090		Non-Existent		(STAR)
IC 4086		Glxy Scd:	15.3	UGC 8141 MCG 6-29-17 CGCG 189-14 KUG 1259+369 PGC 44920
IC 4084		Non-Existent		(STAR)
IC 4085		Glxy		
IC 4083		Glxy		
IC 4082		Glxy		
IC 4078		Non-Existent		(STAR)
IC 4077		Glxy C	17.4	KUG 1259+376 PGC 44907
IC 4073		Glxy S	16.5	MCG 7-27-18 PGC 44888
IC 4072		Non-Existent		(STAR)
IC 4069		Glxy		
IC 4067		Glxy S	16.8	MCG 7-27-17 PGC 44889
IC 4068		Glxy		
IC 4065		Glxy S	15.5	MCG 7-27-16 PGC 44868
IC 4064		Glxy S0	14.7	UGC 8131 MCG 7-27-15 CGCG 217-6 PGC 44867
IC 4063		Glxy		
IC 4061		Glxy		
IC 4062		Glxy SB	14.9	MCG 7-27-14 CGCG 217-6 PGC 44836
NGC 4917		Glxy (R')SB(s)b	14.6	UGC 8130 MCG 8-24-23 CGCG 245-11 PGC 44838
IC 4060		Glxy Sb	15.7	MCG 7-27-13 PGC 44823
NGC 4913		Non-Existent		
IC 4056		Glxy SBb-c	15.7	UGC 8126 MCG 7-27-12 VV 418 PGC 44810
NGC 4912		Non-Existent		NGC 4914 PGC 44807 UGC 8125 MCG 6-29-14 CGCG 189-13
IC 4049		Glxy S0?	15	UGC 8124 MCG 6-29-13 CGCG 189-12 PGC 44806
IC 4052		Non-Existent		
IC 4050		Non-Existent		(STAR)
IC 4046		Non-Existent		(STAR)
NGC 4916		Non-Existent		PGC 44801
IC 4048		Glxy		
IC 4043		Glxy Sc-Irr	16.5	
IC 4038		Glxy		
IC 4036		Non-Existent		(STAR)
IC 4037		Glxy		
IC 4035		Glxy		
IC 4034		Glxy		
IC 4031		Glxy		
IC 4028		Glxy SABc:	15.1	UGC 8115 MCG 6-29-12 CGCG 189-11 PGC 44731
IC 4027		Glxy		
IC 4029		Glxy		
IC 4024		Non-Existent		(STAR)
IC 4022		Non-Existent		(STAR)
NGC 4893		Glxy Sb	15.6	IC 4015 PGC 44690 UGC 8111 MCG 6-29-8 CGCG 189-10 VV 222
IC 4020		Glxy		

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Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 4018		Glxy		
IC 4016		Glxy Sb	15.6	
NGC 4893A		Non-Existent		
IC 4015		Non-Existent		
IC 4013		Non-Existent		(STAR)
NGC 4901		Glxy S	15.3	UGC 8112 MCG 8-24-19 CGCG 245-9 PGC 44684
IC 4010		Glxy		
IC 4009		Non-Existent		(STAR)
IC 3844		Glxy S	16.5	MCG 7-26-59 PGC 43622
IC 3843		Glxy		
IC 3842		Glxy		
IC 3836		Glxy		
IC 3835		Glxy		
NGC 4737	H496-3	Glxy Sab	15.3	MCG 6-28-36 CGCG 188-25 PGC 43490
IC 3832		Glxy S	16.3	MCG 7-26-57 PGC 43482
IC 3828		Glxy		
IC 3805		Non-Existent		(STAR)
IC 3802		Non-Existent		(STAR)
IC 3800		Glxy		
IC 3787		Non-Existent		(STAR)
IC 3786		Glxy		
IC 3782		Non-Existent		(STAR)
IC 3780		Non-Existent		(STAR)
IC 3774		Glxy S	16.5	UGC 7947 MCG 6-28-29 PGC 43117
IC 3746		Glxy	15.6	CGCG 188-19 PGC 43000
IC 3729		Glxy S	15.7	MCG 7-26-50 PGC 42958
IC 3726		Glxy Scd:	15.4	UGC 7921 MCG 7-26-49 CGCG 216-25 IRAS 12423+4057 PGC 42938
IC 3723		Glxy	16	MCG 7-26-48 MK 441 CGCG 216-24 PGC 42914
NGC 4662	H643-2	Glxy SB(rs)bc	13.5	UGC 7917 MCG 6-28-25 CGCG 188-18 KARA550 PGC 42904
IC 3717		Glxy S	16.5	MCG 7-26-47 PGC 42900
NGC 4657	H177-1	Glxy SBm	10.5	NGC 4656 UGC 7907 MCG 5-30-66 CGCG 159-65 IRAS 12415+3226 KUG 1241+324 PGC 42863
IC 3707		Non-Existent		(STAR)
IC 3667		Non-Existent		
NGC 4583	H495-3	Glxy SBa	14.5	MCG 6-28-17 CGCG 188-11 PGC 42198
NGC 4534	H410-2	Glxy SA(s)dm:	12.9	UGC 7723 MCG 6-28-10 CGCG 188-8 KARA536 KUG 1231+357 PGC 41779
NGC 4530		Non-Existent		
IC 3503		Non-Existent		
NGC 4509		Glxy Sab pec?	14.4	UGC 7704 MCG 5-30-18 MK 773 CGCG 159-15 IRAS 12306+3222 KUG 1230+323 PGC 41660
IC 3405		Glxy		
NGC 4400		Knt in Glxy GxyP		
NGC 4401	H29.2-5	Knt in Glxy		NGC 4395 NGC 4399 NGC 4400 UGC 7524 MCG 6-27-53 CGCG 187-42 IRAS 12233+3348 PGC 40596
NGC 4399		Knt in Glxy		
NGC 4392	H729-3	Glxy C	14.7	MCG 8-23-23 CGCG 244-12 1ZW35 PGC 40499
NGC 4381	H743-2	Non-Existent		

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Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 4357		Glxy SAbc	13.2	NGC 4381 PGC 40296 UGC 7478 MCG 8-23-17 CGCG 244-10 KARA528
NGC 4288A		Glxy E-S0	14.5	
NGC 4288	H726-3	Glxy SB(s)dm	13.3	UGC 7399 MCG 8-23-6 DDO119 CGCG 244-6 PGC 39840
IC 3110		Glxy		
NGC 4218	H718-3	Glxy Sa?	13.4	UGC 7283 MCG 8-22-88 CGCG 243-54 ARAK353 IRAS 12132+4824 PGC 39237
NGC 4187A		Non-Existent		
NGC 4145A		Glxy Sd	14.5	
NGC 4160		Non-Existent		
NGC 4167		Non-Existent		
NGC 4163	H399-3	Glxy IAm	14.5	NGC 4167 PGC 38881 UGC 7199 MCG 6-27-26 CGCG 187-20

**Sub Total: 364**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 801		Glxy Sa?	14.5	UGC 7717 MCG 9-21-17 CGCG 270-9 PGC 41739
IC 883		Glxy Im: pec	14.4	UGC 8387 CGCG 189-54 1ZW56 VV 821 ARP 193 IRAS 13183+3423 PGC 46560
PGC 38567		Glxy Sm	14.2	UGC 7125 MCG 6-27-14 CGCG 187-12 KUG 1206+370
PGC 38629		Glxy Sb	15	MCG 7-25-34
PGC 44094		Glxy S	15.6	MCG 8-24-10
PGC 44078		Glxy S	15.8	MCG 8-24-9
PGC 44052		Glxy S	15.6	MCG 8-24-7
PGC 44045		Glxy S	16.6	MCG 9-21-65
PGC 44032		Glxy SB(rs)bc	14.7	UGC 8050 MCG 9-21-62 CGCG 270-32
PGC 43472		Glxy S	15.8	MCG 8-23-97 IRAS 12483+4812
PGC 43452		Glxy Sc	15.1	UGC 7993 MCG 9-21-54 CGCG 270-27 ANON 1248+52
PGC 42135		Glxy	15.8	MCG 7-26-34 VV 42 ARP 211
PGC 42134		Glxy	15.4	MCG 7-26-33 UGC A290 VV 42 ARP 211
PGC 42045		Glxy Sd	14.8	UGC 7774 MCG 7-26-31 CGCG 216-14
PGC 41119		Glxy Sd	15.3	UGC 7617 MCG 8-23-42 CGCG 244-23
PGC 41011		Glxy I R	15.1	MCG 8-23-40 CGCG 244-21
PGC 40986		Glxy S?	14.8	UGC 7593 MCG 8-23-39 CGCG 244-20 1ZW37 VV 737 ANON 1225+44
PGC 40984		Glxy Double System	14.8	UGC 7593 MCG 8-23-38 MK 212 CGCG 244-20 1ZW37 VV 737
PGC 40952		Glxy C	16	MK 211 1ZW37
PGC 38982		Glxy E		MCG 9-20-114
PGC 38758		Glxy S	16.5	KUG 1208+390
PGC 47433		Glxy S?	14.9	UGC 8492 MCG 5-32-30 CGCG 161-70
PGC 46035		Glxy S	15.6	MCG 9-22-35 CGCG 271-25
PGC 45933		Glxy Sab	14.7	UGC 8309 MCG 9-22-30
PGC 45790		Glxy S?	14.2	MCG 5-31-151 CGCG 160-158
PGC 45737		Glxy Sc	15	UGC 8257 MCG 8-24-63
PGC 45564		Glxy L	14.6	MCG 9-22-20 CGCG 271-17
PGC 45520		Glxy SBR	15.7	UGC 8222 MCG 9-22-18
PGC 44334		Glxy Sc	15.4	MCG 8-24-14 CGCG 245-7
PGC 44198		Glxy I	16.2	UGC 8068 MCG 8-24-12

## Canes Venatici - The Hunting Dogs

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 50180		Glxy S0	15	UGC 9003 MCG 6-31-67 CGCG 191-50
PGC 50160		Glxy Spiral	15.7	MCG 6-31-66
PGC 50159		Glxy S?	15.2	MCG 6-31-65 CGCG 191-46 Hickson 70C
PGC 50148		Glxy E/S0	15.3	MCG 6-31-62 CGCG 191-48
PGC 50140		Glxy S0?	15.1	MCG 6-31-61 CGCG 191-45 Hickson 70B
PGC 50133		Glxy SB	16.7	MCG 6-31-57 Hickson 70F
PGC 50123		Glxy Sa	16.3	Hickson 70G
PGC 50116		Glxy S?	14.5	UGC 8984 MCG 6-31-56 CGCG 191-44
PGC 49949		Glxy SB	17	MCG 6-31-46 VV 120 ARP 111
PGC 48579		Glxy S	15.5	MCG 5-32-73
PGC 48566		Glxy S	16.3	UGC 8682 MCG 5-32-70
PGC 48363		Glxy L	15.1	MCG 7-28-48 CGCG 218-35
PGC 48142		Glxy S?	14.3	UGC 8621 MCG 7-28-41 CGCG 218-30
PGC 47989		Glxy S	15.5	MCG 6-30-57
PGC 47867		Glxy Sb	14.4	UGC 8560 MCG 5-32-39 CGCG 161-81 ARP 183 KUG 1332+316
PGC 47817		Glxy		
PGC 47813		Glxy		
PGC 47808		Glxy SB?	15	UGC 8548 MCG 5-32-38 CGCG 161-80 VV 4 ARP 36
PGC 47795		Glxy Sb	16.7	UGC 8547
PGC 47483		Glxy S?	15.5	UGC 8502 MCG 5-32-35 MK 455 CGCG 161-74 VV 326 IRAS 13283+3132 ANON 1328+31
PGC 47475		Glxy Double System	14.6	UGC 8502 MCG 5-32-34 CGCG 161-74 VV 326
PGC 47462		Glxy Sb	13.6	UGC 8498 MCG 5-32-33 CGCG 161-73 ARP 334 IRAS 13280+3152
PGC 47447		Glxy S?	14.5	UGC 8496 MCG 5-32-31 CGCG 161-71 VV 69 KUG 1327+315
NGC 4109		Glxy Sa?	14.8	MCG 7-25-24 CGCG 215-27 PGC 38427
NGC 4135		Glxy SAB(s)bc?	14.8	MCG 7-25-32 CGCG 215-34 PGC 38601
NGC 4138	H196-1	Glxy SA(r)0+	12.2	UGC 7139 MCG 7-25-35 CGCG 215-37 PGC 38643
NGC 4145	H169-1	Glxy SAB(rs)d	11.8	UGC 7154 MCG 7-25-40 CGCG 215-42 KUG 1207+401 PGC 38693
NGC 4151	H165-1	Glxy (R')SAB(rs)ab:	11.5	UGC 7166 MCG 7-25-44 CGCG 215-45 KUG 1208+396A PGC 38739
NGC 4217	H748-2	Glxy Sb sp	11.1	UGC 7282 MCG 8-22-87 CGCG 243-53 PGC 39241
NGC 4214	H95-1	Glxy lBm	9.6	
NGC 4190	H409-2	Glxy l m pec	13.9	UGC 7232 MCG 6-27-30 CGCG 187-24 VV 104 PGC 39023
NGC 4187C		Glxy	16.5	
NGC 4187B		Glxy	13.3	
NGC 4187	H813-2	Glxy E	14.2	UGC 7229 MCG 9-20-117 CGCG 269-42 PGC 39004
NGC 4183	H697-3	Glxy SA(s)cd? sp	12.9	UGC 7222 MCG 7-25-51 CGCG 215-53 PGC 38988
NGC 4181	H777-3	Glxy E	15	MCG 9-20-111 CGCG 269-41 PGC 38938
NGC 4156	H642-2	Glxy SB(rs)b	14	UGC 7173 MCG 7-25-45 CGCG 215-47 PGC 38773
NGC 4258	H43-5	Glxy Sb	9.1	M 106 UGC 743 CGCG 501-122 PGC 39600
NGC 4248	H742-2	Glxy l0? sp	12.5	UGC 7335 MCG 8-22-99 CGCG 244-1 CGCG 243-64 PGC 39461
NGC 4244	H41-5	Glxy SA(s)cd: sp	10.3	UGC 7322 MCG 6-27-45 CGCG 187-35 IRAS 12150+3804 PGC 39422
NGC 4242	H725-3	Glxy SAB(s)dm	11.4	UGC 7323 MCG 8-22-98 CGCG 243-61 PGC 39423
NGC 4232	H720-3	Glxy SBb pec:	14.4	UGC 7303 MCG 8-22-93 CGCG 243-59 IRAS 12143+4743 PGC 39353
NGC 4231	H719-3	Glxy SA0+ pec?	14.3	UGC 7304 MCG 8-22-94 CGCG 243-60 PGC 39354
NGC 4229	H519-2	Glxy S?	14.2	UGC 7299 MCG 6-27-44 CGCG 187-34 PGC 39341
NGC 4227	H518-2	Glxy SAB0^:	13.7	UGC 7296 MCG 6-27-43 CGCG 187-33 PGC 39329

## Canes Venatici - The Hunting Dogs

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 4220	H209-1	Glxy SA(r)0+	12.3	UGC 7290 MCG 8-22-89 CGCG 243-55 IRAS 12137+4809 PGC 39285
NGC 4537		Glxy S	16	MCG 9-21-22 PGC 41909
NGC 4490	H198-1	Glxy SB(s)d pec	10.2	UGC 7651 MCG 7-26-14 CGCG 216-8 VV 30 ARP 269 PGC 41333
NGC 4485	H197-1	Glxy IB(s)m pec	12.3	UGC 7648 MCG 7-26-13 CGCG 216-7 VV 30 ARP 269 PGC 41326
NGC 4460	H212-1	Glxy SB(s)0+? sp	12.3	UGC 7611 MCG 8-23-41 CGCG 244-22 PGC 41069
NGC 4449	H213-1	Glxy IBm	10	UGC 7592 MCG 7-26-9 CGCG 216-5 PGC 40973
NGC 4395	H29.1-5	Glxy SA(s)m:	10.6	
NGC 4389	H749-2	Glxy SB(rs)bc pec:	12.5	UGC 7514 MCG 8-23-28 CGCG 244-14 PGC 40537
NGC 4369	H166-1	Glxy (R)SA(rs)a	12.3	UGC 7489 MCG 7-26-4 MK 439 CGCG 216-2 IRAS 12221+3939 PGC 40396
NGC 4346	H210-1	Glxy S0 sp	12.1	UGC 7463 MCG 8-23-16 CGCG 244-9 PGC 40228
NGC 4861	H30-4	Glxy SB(s)m:	12.9	IC 3961 UGC 8098 MCG 6-29-3 CGCG 189-5 1ZW49 VV 797 ARP 266 KUG 1256+351 PGC 44536
NGC 4837		Glxy Pec	14.4	UGC 8068 MCG 8-24-11 CGCG 245-6 1ZW46 IRAS 12545+4834 PGC 44188
NGC 4834	H817-3	Glxy Sbc	15.5	MCG 9-21-67 CGCG 270-34 PGC 44136
NGC 4800	H211-1	Glxy SA(rs)b	12.3	UGC 8035 MCG 8-24-4 CGCG 245-5 ARAK393 IRAS 12523+4648 PGC 43931
NGC 4741	H721-3	Glxy Scd:	14.4	UGC 8000 MCG 8-23-98 CGCG 244-45 CGCG 245-3 PGC 43504
NGC 4736		Glxy (R)SA(r)ab	9	M 94 UGC 848 MCG 0-4-79 CGCG 385-65 PGC 43495
NGC 4711	H412-2	Glxy Sb:	14.2	IC 3804 PGC 43286 UGC 7973 MCG 6-28-33 CGCG 188-22 IRAS 12463+3536
NGC 4707	H815-3	Glxy Sm:	13.4	UGC 7971 MCG 9-21-50 DDO150 CGCG 270-25 1ZW43 PGC 43255
NGC 4687		Glxy E1	14.2	UGC 7958 MCG 6-28-31 MK 442 CGCG 188-21 KUG 1244+356 PGC 43157
NGC 5445	H413-3	Glxy S0?	14	UGC 8976 MCG 6-31-55 CGCG 191-42 PGC 50090
NGC 5444	H417-2	Glxy E+:	12.8	UGC 8974 MCG 6-31-54 CGCG 191-41 PGC 50080
NGC 5440	H416-2	Glxy Sa	13.2	UGC 8963 MCG 6-31-52 CGCG 191-40 PGC 50042
NGC 5421		Glxy SB?	14.2	UGC 8941 MCG 6-31-45 MK 665 CGCG 191-33 1ZW78 VV 120 ARP 111 PGC 49950
NGC 5406	H699-2	Glxy SAB(rs)bc	13.1	UGC 8925 MCG 7-29-31 CGCG 219-38 IRAS 13582+3909 PGC 49847
NGC 5395	H190-1	Glxy SA(s)b pec	12.1	UGC 8900 MCG 6-31-34 CGCG 191-26 1ZW77 VV 48 ARP 84 KUG 1356+376B PGC 49747
NGC 5394	H191-1	Glxy SB(s)b pec	13.7	UGC 8898 MCG 6-31-33 CGCG 191-24 VV 48 ARP 84 IRAS 13564+3741 KUG 1356+376A PGC 49739
NGC 5383	H181-1	Glxy (R')SB(rs)b: p	12.1	UGC 8875 MCG 7-29-23 MK 281 CGCG 219-33 IRAS 13550+4205 KUG 1355+420 PGC 49618
NGC 5380	H698-2	Glxy SA0-	13.3	UGC 8870 MCG 6-31-28 CGCG 191-21 PGC 49605
NGC 5377	H187-1	Glxy (R)SB(s)a	12.2	UGC 8863 MCG 8-25-52 CGCG 246-27 IRAS 13542+4729 KARA604 PGC 49563
NGC 5371	H716-2	Glxy SBbc	10.5	
NGC 5362	H671-2	Glxy Sb? pec	13.1	UGC 8835 MCG 7-29-16 CGCG 219-26 IRAS 13527+4133 KUG 1352+415 PGC 49464
NGC 5358		Glxy S0/a	14.6	UGC 8826 MCG 7-29-13 CGCG 219-22 Hickson 68E PGC 49389
NGC 5355	H699-3	Glxy S0?	14	UGC 8819 MCG 7-29-12 CGCG 219-20 Hickson 68D PGC 49380
NGC 5354	H715-2	Glxy S0 sp	11.3	UGC 8814 MCG 7-29-11 CGCG 219-19 Hickson 68B PGC 49354
NGC 5353	H714-2	Glxy S0 sp	10.9	UGC 8813 MCG 7-29-10 CGCG 219-18 Hickson 68A PGC 49356
NGC 5350	H713-2	Glxy SB(r)b	11.3	UGC 8810 MCG 7-29-9 MK 1485 CGCG 219-17 IRAS 13512+4036 KUG 1351+406 Hickson 68C PGC 49347
NGC 5347	H424-2	Glxy (R')SB(rs)ab	13.4	UGC 8805 MCG 6-31-7 CGCG 191-7 IRAS 13510+3344 PGC 49342
NGC 5337	H698-3	Glxy S?	13.5	UGC 8789 MCG 7-29-4 CGCG 219-12 PGC 49275
NGC 5336	H670-2	Glxy Scd:	13.5	UGC 8785 MCG 7-29-3 CGCG 219-11 CGCG 218-66 IRAS 13500+4329 PGC 49250
NGC 5326	H712-2	Glxy SAa:	12.9	UGC 8764 MCG 7-28-82 CGCG 218-61 CGCG 219-6 PGC 49157
NGC 5320	H669-2	Glxy SAB(rs)c:	12.8	UGC 8749 MCG 7-28-76 CGCG 218-56 CGCG 219-1 IRAS 13482+4136 PGC 49112
NGC 5313	H711-2	Glxy Sb?	12.8	UGC 8744 MCG 7-28-74 CGCG 218-54 IRAS 13475+4013 PGC 49069

## Canes Venatici - The Hunting Dogs

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 5311	H710-2	Glxy S0/a	13.3	UGC 8735 MCG 7-28-72 CGCG 218-52 IRAS 13467+4014 PGC 49011
NGC 5301	H688-2	Glxy SA(s)bc: sp	13.4	UGC 8711 MCG 8-25-41 CGCG 246-23 IRAS 13443+4621 PGC 48816
NGC 5297	H180-1	Glxy SAB(s)c: sp	12.5	UGC 8709 MCG 7-28-63 CGCG 218-45 IRAS 13442+4407 PGC 48815
NGC 5290	H170-1	Glxy Sbc: sp	13.3	UGC 8700 MCG 7-28-61 CGCG 218-43 IRAS 13432+4157 PGC 48767
NGC 5289	H668-2	Glxy (R)SABab: sp	14	UGC 8699 MCG 7-28-58 CGCG 218-42 IRAS 13430+4145 PGC 48749
NGC 5280		Glxy E?	13.6	MCG 5-32-72 CGCG 161-131 PGC 48580
NGC 5277		Glxy S?	15.4	CGCG 161-129 KUG 1340+302 PGC 48563
NGC 5276		Glxy SAB(s)b	14.6	UGC 8680 MCG 6-30-74 CGCG 190-43 IRAS 13400+3553 KUG 1340+358 PGC 48542
NGC 5275		Glxy S?	14.2	MCG 5-32-67 CGCG 161-124 VV 543 PGC 48544
NGC 5274		Glxy E	15.6	MCG 5-32-66 CGCG 161-125 PGC 48536
NGC 5273	H98-1	Glxy SA(s)0^	12.4	UGC 8675 MCG 6-30-72 CGCG 190-41 PGC 48521
NGC 5272		Globular	6.3	M 3
NGC 5271		Glxy S?	15	MCG 5-32-65 CGCG 161-120 PGC 48477
NGC 5267		Glxy SBb	14.3	UGC 8655 MCG 7-28-49 CGCG 218-36 PGC 48393
NGC 5265	H410-3	Glxy Irr	14.9	MCG 6-30-68 CGCG 190-40 KUG 1337+371 PGC 48354
NGC 5263	H370-3	Glxy S?	14.3	UGC 8648 MCG 5-32-58 CGCG 161-113 IRAS 13376+2839 KUG 1337+286 PGC 48333
NGC 5259		Glxy E0	15.2	MCG 5-32-52 CGCG 161-105 PGC 48292
NGC 5243	H620-3	Glxy S	14.1	UGC 8592 MCG 7-28-36 CGCG 218-27 IRAS 13340+3836 PGC 48011
NGC 5240	H409-3	Glxy SB(s)cd?	13.8	UGC 8587 MCG 6-30-56 CGCG 190-34 PGC 47971
NGC 5238	H823-3	Glxy SAB(s)dm	13.9	UGC 8565 MCG 9-22-82 CGCG 271-52 1ZW64 VV 828 PGC 47853
NGC 5233	H425-3	Glxy Sab	14.8	UGC 8568 MCG 6-30-47 CGCG 190-29 PGC 47895
NGC 5229		Glxy SB(s)d? sp	14.3	UGC 8550 MCG 8-25-19 CGCG 246-13 PGC 47788
NGC 5228	H408-3	Glxy S0-:	14.3	UGC 8556 MCG 6-30-43 CGCG 190-26 PGC 47837
NGC 5225	H822-3	Glxy S?	14.5	UGC 8540 MCG 9-22-78 CGCG 271-50 PGC 47731
NGC 5223	H407-3	Glxy E	14	UGC 8553 MCG 6-30-40 CGCG 190-25 PGC 47822
NGC 5198	H689-2	Glxy E1-2:	12.7	UGC 8499 MCG 8-25-15 CGCG 246-10 1ZW59 PGC 47441
NGC 5195	H186-1	Glxy I0 pec	10.5	UGC 8494 MCG 8-25-14 CGCG 246-9 VV 1 ARP 85 IRAS 13278+4731 PGC 47413
NGC 5194		Glxy SA(s)bc pec	9	M 51 Whirlpool Galaxy UGC 958 MCG 3-4-33 CGCG 459-48 PGC 47404
NGC 5187	H652-3	Glxy S?	14.4	MCG 5-32-29 CGCG 161-69 KUG 1327+313 PGC 47393
NGC 5173	H672-3	Glxy E0:	13.1	UGC 8468 MCG 8-25-5 CGCG 246-3 PGC 47257
NGC 5145	H667-2	Glxy S?	13.3	UGC 8439 MCG 7-28-9 CGCG 218-10 IRAS 13230+4331 PGC 46934
NGC 5123	H666-2	Glxy Scd:	13.5	UGC 8415 MCG 7-28-5 CGCG 218-6 IRAS 13209+4320 PGC 46767
NGC 5112	H646-2	Glxy SB(rs)cd	12.6	UGC 8403 MCG 7-28-3 CGCG 218-5 IRAS 13196+3859 KUG 1319+389 PGC 46671
NGC 5107	H619-3	Glxy SB(s)d? sp	13.8	UGC 8396 MCG 7-28-1 MK 1346 CGCG 217-33 CGCG 218-3 IRAS 13191+3847 KUG 1319+387 PGC 46636
NGC 5103	H665-2	Glxy S?	13.6	UGC 8388 MCG 7-27-62 CGCG 217-31 CGCG 218-1 PGC 46552
NGC 5074	H309-3	Glxy SAb pec?	14.4	MCG 5-31-172 CGCG 161-1 CGCG 160-183 KUG 1316+317 PGC 46354
NGC 5055		Glxy SA(rs)bc	9.3	M 63 Sunflower Galaxy UGC 928 MCG 0-4-108 CGCG 385-91 PGC 46153
NGC 5040	H816-2	Glxy S	15.1	MCG 9-22-31 CGCG 271-24 PGC 45945
NGC 5033	H97-1	Glxy SA(s)c	10.8	UGC 8307 MCG 6-29-62 CGCG 189-43 IRAS 13111+3651 PGC 45948
NGC 5023	H664-2	Glxy Scd: sp	12.9	UGC 8286 MCG 7-27-43 CGCG 217-17 PGC 45849
NGC 5009	H820-3	Glxy SBb	15.3	UGC 8258 MCG 8-24-61 CGCG 245-25 PGC 45739
NGC 5005	H96-1	Glxy SAB(rs)bc	10.6	UGC 8256 MCG 6-29-52 CGCG 189-35 IRAS 13086+3719 PGC 45749
NGC 4998	H819-3	Glxy Sc	15.1	MCG 9-22-17 CGCG 271-15 IRAS 13062+5054 PGC 45537

## Canes Venatici - The Hunting Dogs

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 4987	H815-2	Glxy E	14.4	UGC 8216 MCG 9-22-15 CGCG 271-13 PGC 45502
NGC 4956	H413-2	Glxy S0	13.3	UGC 8177 MCG 6-29-25 CGCG 189-17 PGC 45236
NGC 4938		Glxy S?	15.1	MCG 9-21-91 CGCG 270-42 PGC 45044
NGC 4932	H818-3	Glxy SA(rc)	14.3	UGC 8150 MCG 9-21-89 CGCG 270-40 PGC 45015
NGC 4914	H645-2	Glxy E	11.5	
NGC 4868	H644-2	Glxy SAab?	13	UGC 8099 MCG 6-29-4 CGCG 189-8 IRAS 12567+3734 KUG 1256+375 PGC 44557
NGC 4656	H176-1	Glxy SB(s)m pec	11	
NGC 4655	H661-2	Glxy S	15.1	MCG 7-26-42 CGCG 216-21 PGC 42823
NGC 4631	H42-5	Glxy SB(s)d sp	9.8	UGC 7865 MCG 6-28-20 CGCG 188-16 ARP 281 IRAS 12396+3249 KUG 1239+328B PGC 42637
NGC 4627	H659-2	Glxy E4 pec	12.5	UGC 7860 MCG 6-28-19 CGCG 188-15 ARP 281 KUG 1239+328A PGC 42620
NGC 4625	H660-2	Glxy SAB(rs)m pec	12.9	IC 3675 PGC 42607 UGC 7861 MCG 7-26-38 CGCG 216-18 ARP 23 IRAS 12395+4132
NGC 4618	H178-1	Glxy SB(rs)m	11.2	IC 3667 PGC 42575 UGC 7853 MCG 7-26-37 CGCG 216-17 VV 73 ARP 23
NGC 4617	H744-2	Glxy Sb	14	UGC 7847 MCG 9-21-28 CGCG 270-13 KARA545 PGC 42530
NGC 4542		Glxy S	15.3	UGC 7746 MCG 9-21-21 CGCG 270-11 PGC 41864
NGC 4148		Glxy S0+	14.3	UGC 7158 MCG 6-27-18 CGCG 187-16 PGC 38704
NGC 4143	H54-4	Glxy SAB(s)0^	11.7	UGC 7142 MCG 7-25-36 CGCG 215-39 PGC 38654
NGC 4137		Glxy SB(rs)c?	14.8	UGC 7135 MCG 7-25-33 CGCG 215-36 VV 454 PGC 38619
NGC 4118		Glxy S0+?	15.6	MCG 7-25-28 CGCG 215-30 PGC 38507
NGC 4111	H195-1	Glxy SA(r)0+: sp	11.6	UGC 7103 MCG 7-25-26 CGCG 215-28 PGC 38440
NGC 4117	H708-3	Glxy S0^:	14	UGC 7112 MCG 7-25-27 CGCG 215-29 PGC 38503
IC 3002		Glxy Sc	15.6	MCG 6-27-10 CGCG 187-8 PGC 38443
IC 3014		Glxy SB?	14.4	UGC 7119 MCG 7-25-28A CGCG 215-31 KUG 1206+391 PGC 38562
IC 3713		Glxy L	15.3	MCG 7-26-46 CGCG 216-23 PGC 42867
IC 3795		Glxy	15.9	MCG 7-26-53 CGCG 216-30 PGC 43221
IC 3783		Glxy S	15.5	MCG 7-26-52 CGCG 216-29 PGC 43163
IC 3778		Glxy	15.6	CGCG 216-28 PGC 43131
IC 3022		Glxy E?	14.5	MCG 7-25-39 CGCG 215-41 PGC 38694
IC 3852		Glxy SBc	15	UGC 8019 MCG 6-28-38 KUG 1250+360 PGC 43750
IC 4371		Glxy Sa	16.1	UGC 8990 MCG 6-31-59 CGCG 191-46 IRAS 14019+3333 Hickson 70A PGC 50139
IC 4370		Glxy S	15.7	MCG 6-31-60 Hickson 70D PGC 50138
IC 4369		Glxy S?	16.2	MCG 6-31-58 Hickson 70E PGC 50134
IC 4356		Glxy C	16.2	PGC 49759
IC 4271		Glxy S	15.8	MCG 6-30-15 CGCG 190-12 VV 355 ARP 40 PGC 47334
IC 3916		Glxy S	15.4	UGC 8063 MCG 7-27-8 CGCG 217-4 PGC 44150
IC 3879		Glxy S	16	MCG 7-27-2 PGC 43911
IC 3862		Glxy Double System	15.1	UGC 8023 MCG 6-28-39 VV 266 ARP 265 KUG 1251+363 PGC 43844
MAC 1315+4205		Glxy	16	
MAC 1313+5113A		Glxy	15.5	
MAC 1311+3142		Glxy	16.5	
MAC 1310+4953		Glxy	16	
MAC 1302+5119		Glxy	16	
MAC 1256+4818		Glxy	14.5	
MAC 1256+4815		Glxy	15	
MAC 1255+4830		Glxy	16.5	

## Canes Venatici - The Hunting Dogs

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC 1255+3837		Glxy	16	
MAC 1401+3332A		Glxy	16.5	
MAC 1401+3332		Glxy	15.5	
MAC 1358+3729		Glxy	16	
MAC 1343+2823		Glxy	16	
MAC 1342+2952		Glxy	16	
MAC 1342+2951B		Glxy	16	
MAC 1342+2813B		Glxy	16.5	
MAC 1342+2813A		Glxy	16	
MAC 1340+3852		Glxy	16	
MAC 1339+3100		Glxy	16	
MAC 1339+3059		Glxy	15.5	
MAC 1338+3102		Glxy	15.5	
MAC 1335+3447		Glxy	15.5	
MAC 1334+3455		Glxy	15.5	
MAC 1334+3444		Glxy	16	
MAC 1334+3437		Glxy	16	
MAC 1334+3436		Glxy	16.5	
MAC 1334+3114		Glxy	16.5	
MAC 1333+3457		Glxy	16	
MAC 1330+3116		Glxy	15.5	
MAC 1252+3544		Glxy	16.5	
MAC 1251+4742		Glxy	16	
MAC 1250+4746		Glxy	16.5	
MAC 1250+4745		Glxy	15.5	
MAC 1246+4032		Glxy	15.1	
MAC 1243+4057		Glxy	15.6	
MAC 1209+3846		Glxy	16.5	
MAC 1207+4310		Glxy	16.5	

**Sub Total: 233****Total: 597**

## Caelum - The Chisel

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 1567		Glxy E0 pec:	12.2	ESO 202-10 PGC 14934
NGC 1585		Glxy SAc:	14.2	ESO 303-18 MCG -7-10-6 IRAS 4259-4216 PGC 15150
IC 2090		Non-Existent		
NGC 1660		Glxy Sa? pec	14.8	ESO 304-18 MCG -7-10-21 PGC 15908
NGC 1658		Glxy Sbc:	14.3	ESO 304-16 MCG -7-10-20 PGC 15899
NGC 1616		Glxy SAB(rs)bc pec:	13.3	ESO 251-10 MCG -7-10-13 IRAS 4311-4349 PGC 15479
IC 2084		Non-Existent		
NGC 1598		Glxy (R')SB(s)c pec:	13.8	ESO 202-26 IRAS 4271-4753 PGC 15204
NGC 1595		Glxy E3	13.7	ESO 202-25 PGC 15195
IC 2076		Non-Existent		
IC 2072		Non-Existent		
NGC 1759		Glxy E+:	14.1	ESO 305-1 MCG -6-12-2 PGC 16547
IC 2106		Glxy (R')SB(rs)b	13.8	ESO 422-12 MCG -5-12-11 IRAS 4545-2834 PGC 16373
NGC 1701		Glxy (R)SA(r)b:	13.6	ESO 422-11 MCG -5-12-10 IRAS 4539-2957 PGC 16352
NGC 1687		Glxy SAB(r)ab:	14.7	ESO 361-13 MCG -6-11-5 PGC 16166
NGC 1679		Glxy SB(s)m	12	ESO 422-1 MCG -5-12-4 UGC A96 IRAS 4480-3203 PGC 16120
NGC 1668		Glxy SAB0-:	13.7	ESO 251-30 MCG -7-10-23 PGC 15957
NGC 1570		Glxy		
NGC 1572		Glxy (R')SB(s)a:	13.3	ESO 303-14 MCG -7-10-3 IRAS 4210-4042 PGC 14993
IC 2069		Non-Existent		
IC 2068		Glxy (R')SA(rs)0/a:	14.3	ESO 303-17 MCG -7-10-4 FAIR408 PGC 15106
NGC 1571		Non-Existent		NGC 1570 PGC 14971 ESO 250-19 MCG -7-10-1

**Sub Total: 22****Total: 22**

## Camelopardus - The Giraffe

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 2062		Non-Existent		NGC 1560
NGC 2408		Non-Existent		
NGC 2653		Non-Existent		
NGC 2760		Non-Existent		
IC 2440		Non-Existent		
NGC 2336A		Non-Existent		
NGC 2404		Non-Existent		
NGC 1573A		Non-Existent		
IC 2133		Non-Existent		NGC 1961

**Sub Total: 9**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 334		Glxy S?	12.5	UGC 2824 MCG 13-3-7 CGCG 346-6 PGC 13759
IC 361		Open Cl 14.0 II 2 r	11.7	
IC 391		Glxy SA(s)c	13	UGC 3190 MCG 13-4-11 CGCG 347-9 IRAS 4497+7806 KARA155 KUG 449+781 PGC 16402
IC 440		Glxy SA(r)ab	14.2	UGC 3427 MCG 13-5-21 CGCG 348-16 IRAS 6102+8005 PGC 18807
IC 512		Glxy SAB(s)cd	12.9	UGC 4646 MCG 14-5-2 CGCG 363-49 CGCG 364-8 IRAS 8508+8541 PGC 25451
IC 511		Glxy S0/a:	14.4	UGC 4510 MCG 12-9-3 CGCG 331-55 CGCG 332-2 PGC 24397
IC 499		Glxy Sa	13.4	UGC 4463 MCG 14-4-54 CGCG 364-5 CGCG 363-46 PGC 24602
IC 467		Glxy SAB(s)c:	13.2	UGC 3834 MCG 13-6-7 CGCG 348-35 CGCG 349-5 IRAS 7218+7958 PGC 21164
IC 451		Glxy SAB(r)b:	14.6	UGC 3550 MCG 12-7-19 CGCG 330-18 PGC 19775
IC 450		Glxy SAB0+:	15	UGC 3547 MCG 12-7-18 MK 6 CGCG 330-17 IRAS 6457+7429 KUG 645+744 PGC 19756
IC 449		Glxy E:	13.5	UGC 3515 MCG 12-7-14 CGCG 330-12 PGC 19554
IC 445		Glxy S0?	14.2	UGC 3497 MCG 11-9-1 CGCG 308-33 PGC 19328
IC 442		Glxy S?	13.8	UGC 3470 MCG 14-4-3 CGCG 362-22 CGCG 363-5 PGC 19306
IC 529		Glxy SA(s)c:	12.6	UGC 4888 MCG 12-9-35 CGCG 332-38 IRAS 9134+7358 PGC 26295
IC 520		Glxy SAB(rs)ab?	12.6	UGC 4630 MCG 12-9-26 CGCG 331-73 CGCG 332-25 ARAK183 IRAS 8483+7340 PGC 24970
IC 396		Glxy S?	13	UGC 3203 MCG 11-7-2 CGCG 306-7 CGCG 307-1 IRAS 4527+6814 PGC 16423
IC 381		Glxy SAB(rs)bc	13.1	UGC 3130 MCG 13-4-7 CGCG 347-6 IRAS 4378+7532 PGC 15917
IC 356		Glxy SA(s)ab pec	11.4	UGC 2953 MCG 12-4-11 CGCG 327-15 ARP 213 IRAS 4025+6940 PGC 14508
IC 342		Glxy SAB(rs)cd	9.1	UGC 2847 MCG 11-5-3 CGCG 305-2 IRAS 3419+6756 PGC 13826
IC 2174		Glxy SBa	13.6	UGC 3666 MCG 13-6-2 CGCG 348-30 PGC 20252
IC 2209		Glxy SB(rs)b:	14.3	UGC 4093 MCG 10-12-17 MK 13 CGCG 286-78 CGCG 287-8 IRAS 7519+6026 KUG 751+604 PGC 22232
IC 3568		PI Neb 2+2a	11.6	PK 123+34.1 PNG 123.6+34.5
IC 2389		Glxy SB(s)b?	14	UGC 4576 MCG 12-9-11 CGCG 331-64 CGCG 332-11 IRAS 8425+7343 PGC 24711
IC 2438		Open Cl		
IC 2184		Glxy I?	14	UGC 3852 MCG 12-7-41 MK 8 CGCG 330-39 7ZW156 VV 644 IRAS 7236+7213 PGC 21123
IC 2179		Glxy E1-2	13.5	UGC 3750 MCG 11-9-38A CGCG 309-25 PGC 20516
MAC 0647+7412		Glxy	15	
MAC 0848+7402		Glxy	15.5	

## Camelopardus - The Giraffe

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC 0847+7357		Glxy	15.5	
MAC 0750+7419		Glxy	16	
MAC 0647+7433		Glxy	16	
MAC 0646+7410		Glxy	16	
NGC 1469		Glxy SA0-:	13.7	UGC 2909 MCG 11-5-4 CGCG 305-3 PGC 14261
NGC 1530		Glxy SB(rs)b	12.3	UGC 3013 MCG 13-4-4 CGCG 327-17 CGCG 347-4 7ZW12 IRAS 4170+7510 KARA147 PGC 15018
NGC 2550		Glxy Sb:	13.6	UGC 4359 MCG 12-8-37 CGCG 331-39 IRAS 8188+7410 PGC 23604
NGC 2544		Glxy SB(s)a:	13.8	UGC 4327 MCG 12-8-34 MK 87 CGCG 331-36 IRAS 8159+7409 KUG 815+741 PGC 23453
NGC 2523C		Glxy E?	13.9	UGC 4290 MCG 12-8-32 CGCG 331-33 PGC 23247
NGC 2523B		Glxy SA(s)b: sp	14.7	UGC 4259 MCG 12-8-30 CGCG 331-30 IRAS 8072+7342 PGC 23025
NGC 2523A		Glxy SB(s)c:	14.5	UGC 4166 MCG 12-8-24 CGCG 331-26 KUG 758+741 PGC 22649
NGC 2523		Glxy SB(r)bc	12.6	UGC 4271 MCG 12-8-31 CGCG 331-32 ARP 9 IRAS 8092+7343 PGC 23128
NGC 2347	H746-3	Glxy (R')SA(r)b:	13.2	UGC 3759 MCG 11-9-39 CGCG 309-26 IRAS 7112+6447 PGC 20539
NGC 2336		Glxy SAB(r)bc	11.1	UGC 3809 MCG 13-6-6 CGCG 348-34 CGCG 349-4 IRAS 7184+8016 PGC 21033
NGC 2314		Glxy E3	13.2	UGC 3677 MCG 13-6-3 CGCG 348-32 PGC 20305
NGC 4127	H279-1	Glxy SAc?	13.4	UGC 7122 MCG 13-9-12 CGCG 352-19 IRAS 12060+7705 PGC 38550
NGC 3901	H970-3	Glxy Scd:	14.4	UGC 6675 MCG 13-9-1 CGCG 351-68 CGCG 352-6 KARA496 PGC 36386
NGC 2748		Glxy SABc	12.4	UGC 4825 MCG 13-7-19 CGCG 350-14 IRAS 9080+7640 PGC 26018
NGC 2732		Glxy S0 sp	12.9	UGC 4818 MCG 13-7-16 CGCG 350-13 PGC 25999
NGC 2715		Glxy SAB(rs)c	11.8	UGC 4759 MCG 13-7-15 CGCG 350-12 IRAS 9018+7817 PGC 25676
NGC 2655	H288-1	Glxy SAB(s)0/a	11	UGC 4637 MCG 13-7-10 CGCG 349-33 CGCG 350-7 ARP 225 IRAS 8491+7824 PGC 25069
NGC 2646		Glxy SB(r)0^:	13.1	UGC 4604 MCG 12-9-19 CGCG 332-19 CGCG 331-69 ARAK180 PGC 24838
NGC 2636		Glxy E0:	14.7	UGC 4583 CGCG 331-67 CGCG 332-14 PGC 24747
NGC 2634A		Glxy SB(s)bc? sp	14.4	UGC 4585 MCG 12-9-16 CGCG 331-68 CGCG 332-15 IRAS 8433+7406 PGC 24760
NGC 2634		Glxy E1:	12.9	UGC 4581 MCG 12-9-15 CGCG 331-66 CGCG 332-13 PGC 24749
NGC 2633		Glxy SB(s)b	12.9	UGC 4574 MCG 12-9-13 CGCG 332-10 CGCG 331-63 CGCG 350-5 VV 519 ARP 80 PGC 24723
NGC 2591		Glxy Scd: sp	12.9	UGC 4472 MCG 13-7-1 CGCG 349-29 CGCG 350-1 IRAS 8307+7811 PGC 24231
NGC 2551		Glxy SA(s)0/a	13.1	UGC 4362 MCG 12-8-38 CGCG 331-40 ARAK162 PGC 23608
NGC 2550A		Glxy Sc	13.4	UGC 4397 MCG 12-8-43 CGCG 331-43 IRAS 8230+7354 KUG 823+739 PGC 23781
NGC 5640	H949-3	Glxy Ia	15.4	CGCG 353-35 PGC 51263
NGC 5295	H946-3	Glxy	14.8	MCG 13-10-9 CGCG 353-23 PGC 48215
NGC 2268		Glxy SAB(r)bc	12.2	UGC 3653 MCG 14-4-22 CGCG 362-36 CGCG 363-20 IRAS 7006+8427 PGC 20458
NGC 2258		Glxy SA(r)0^	13	UGC 3523 MCG 12-7-16 CGCG 330-15 PGC 19622
NGC 2256		Glxy SAB0-?	13.5	UGC 3519 MCG 12-7-15 CGCG 330-14 PGC 19602
NGC 2253	H54-7	Open Cl	12.4	NIM 6h 42.4m +66:20 PGC 19495
NGC 2146A		Glxy SAB(s)c:	13.5	UGC 3439 MCG 13-5-25 CGCG 348-19 IRAS 6155+7833 PGC 18960
NGC 2146		Glxy SB(s)ab pec	11.4	UGC 3429 MCG 13-5-22 CGCG 348-17 IRAS 6106+7822 PGC 18797
NGC 2128		Glxy S0-:	13.6	UGC 3392 MCG 10-9-10 CGCG 284-6 IRAS 6002+5737 PGC 18374
NGC 1961	H747-3	Glxy SAB(rs)c	11.7	IC 2133 PGC 17625 UGC 3334 MCG 12-6-7 CGCG 329-8 ARP 184 IRAS 5365+6921
NGC 2460		Glxy SA(s)a	12.7	UGC 4097 MCG 10-12-21 CGCG 287-10 IRAS 7525+6028 PGC 22270
NGC 2441		Glxy SAB(r)b:	13	UGC 4036 MCG 12-8-15 CGCG 331-17 IRAS 7460+7308 PGC 22031

## Camelopardus - The Giraffe

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 2403	H44-5	Glxy Sc	8.9	UGC 3918 MCG 11-10-7 CGCG 309-40 CGCG 310-3 IRAS 7321+6543 KARA197 PGC 21396
NGC 2366	H748-3	Glxy Irr	11.5	UGC 3851 MCG 12-7-40 DDO42 CGCG 330-38 IRAS 7233+6917 PGC 21102
NGC 2363		Glxy Irr	13	UGC 3847 MCG 12-7-39 MK 71 PGC 21078
NGC 1569	H768-2	Glxy IBm	11.9	UGC 3056 MCG 11-6-1 CGCG 306-1 7ZW16 ARP 210 IRAS 4260+6444 PGC 15345
NGC 1708		Open Cl 10.0 cluster?		
NGC 1573		Glxy E	12.8	UGC 3077 MCG 12-5-8 CGCG 328-9 7ZW18 PGC 15570
NGC 1560		Glxy SA(s)d sp	12.2	IC 2062 PGC 15488 UGC 3060 MCG 12-5-5 CGCG 328-6
NGC 1502	H47-7	Open Cl 7.0   3 m	6.9	
NGC 1501	H53-4	PI Neb 3	13.3	PK 144+6.1 PNG 144.5+6.5
NGC 1485		Glxy SAB? sp	13.4	UGC 2933 MCG 12-4-10 CGCG 327-14 IRAS 3598+7051 PGC 14432
PGC 13693		Glxy E	14.7	UGC 2826 MCG 11-5-2 CGCG 305-1 IRAS 3388+6808
PGC 15545		Glxy Sb		MCG 12-5-6 CGCG 328-7
PGC 15548		Glxy S0-:	14.8	UGC 3069 MCG 12-5-7 CGCG 328-8
PGC 14531		Glxy S	15.4	UGC 2955 IRAS 4032+6932
PGC 15967		Glxy S?	15.1	UGC 3137 MCG 13-4-8 CGCG 347-7
PGC 17659		Glxy Sb	14.8	CGCG 329-11
PGC 17674		Glxy S	15.7	MCG 12-6-9
PGC 17692		Glxy Scd:	15.2	UGC 3342 MCG 12-6-8 CGCG 329-12
PGC 20348		Glxy Sd: pec	13.5	UGC 3697 MCG 12-7-28 CGCG 330-26 IRAS 7055+7155 ANON 705+71
PGC 20143		Glxy Sab	15	UGC 3636 MCG 13-5-37 CGCG 348-28 IRAS 6593+7531
PGC 19590		Glxy L	15.5	CGCG 330-13
PGC 19566		Glxy S	13.9	UGC 3517
PGC 19519		Glxy	15.1	CGCG 309-3 CGCG 308-39
PGC 19335		Glxy E	15.9	MCG 11-9-2 CGCG 308-34
PGC 19222		Glxy Scd:	15.4	UGC 3474 MCG 12-7-6 CGCG 330-6 CGCG 329-32 IRAS 6267+7135 KARA171
PGC 17794		Glxy Sab	14.4	UGC 3349 MCG 12-6-14 CGCG 329-17
PGC 17757		Glxy S?	15	MCG 12-6-13 CGCG 329-16 7ZW45
PGC 38347		Glxy Sb	15.1	UGC 7086 MCG 13-9-11 CGCG 352-18 IRAS 12034+7747
PGC 26284		Glxy S	13.2	UGC 4883 MCG 12-9-34 CGCG 350-19 ANON 913+74
PGC 26091		Glxy Pec	15	UGC 4832 MCG 13-7-17 CGCG 350-15
PGC 26071		Glxy SAB(s)d	13	HolmbergIII UGC 4841 MCG 12-9-32 CGCG 332-35 IRAS 9093+7426 ANON 909+74
PGC 25939		Glxy	14.8	CGCG 332-33
PGC 24978		Glxy Dwarf Irr	16.2	UGC 4634
PGC 24200		Glxy Dwarf Spiral	15	UGC 4466
PGC 23809		Glxy SB	15.8	MCG 12-8-44 KUG 823+737
PGC 23732		Glxy S	15.3	UGC 4389 MCG 12-8-41 CGCG 331-41 VV 157 KUG 822+738
PGC 23731		Glxy SBd	14.9	UGC 4390 MCG 12-8-42 CGCG 331-42
PGC 23462		Glxy L	15.5	MCG 12-8-35 CGCG 331-37
PGC 22640		Glxy Sbc	15.1	UGC 4078 MCG 14-4-42 CGCG 363-37 IRAS 7510+8446
PGC 21946		Glxy S	15.6	MCG 12-8-12 CGCG 331-15 KUG 744+744A
PGC 46811		Glxy S	16.4	MCG 14-6-25 ARP 204
PGC 46729		Glxy Double System	15.6	UGC 8454 MCG 14-6-24 CGCG 365-12 CGCG 366-4 7ZW514 VV 39 ARP 204 IRAS 13244+8445
PGC 21896		Glxy S0-:	14.4	UGC 4014 MCG 12-8-11 MK 11 CGCG 330-51 CGCG 331-14 ANON 743+74 KUG 743+744

## Camelopardus - The Giraffe

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 21693		Glxy SB?	14.6	UGC 3972 MCG 12-8-8A CGCG 330-49 CGCG 331-11 VV 349 ARP 17 IRAS 7387+7356 KUG 738+739
PGC 21685		Glxy S	13.5	MCG 12-8-8B ARP 17
PGC 20521		Glxy	17	KUG 710+651
PGC 20460		Glxy Ring	13.2	UGC 3730 MCG 12-7-35 CGCG 330-33 VV 123 ARP 141 ANON 708+73 ANON 708+73A
PGC 20434		Glxy I?	15.6	MCG 12-7-34 ANON 708+73B ANON 708+73 KUG 707+736
PGC 20398		Glxy S? pec	12.8	UGC 3714 MCG 12-7-32 CGCG 330-30 ANON 706+71
PGC 20383		Glxy S?	14.2	UGC 3705 MCG 12-7-31 CGCG 330-29
PGC 22269		Glxy S	16.7	MCG 10-12-22
PGC 22127		Glxy Sa	13.4	UGC 4057 MCG 12-8-18 CGCG 349-10 ANON 748+74
PGC 22067		Glxy S?	14.4	UGC 4050 MCG 12-8-17 CGCG 331-20
PGC 22050		Glxy E?	13.9	UGC 4041 MCG 12-8-16 CGCG 331-19 IRAS 7467+7337
PGC 22044		Glxy Sc	16.4	UGC 4037
PGC 22010		Glxy		MCG 12-8-14
PGC 21971		Glxy SAB(s)c?	13.1	UGC 4028 MCG 12-8-13 MK 12 CGCG 331-16 VV 439 ANON 744+74 KUG 744+744B
PGC 17675		Glxy SABbc	14.2	UGC 3344 MCG 12-6-10 CGCG 329-15
PGC 17661		Glxy S	15	MCG 11-7-13 CGCG 307-21
PGC 17561		Glxy Scd:	15.3	UGC 3326 MCG 13-5-2 CGCG 347-18 CGCG 348-2 IRAS 5321+7716 KARA159

**Sub Total: 129****Total: 138**

# Capricornus - The Horned Goat

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 4977		Non-Existent		
IC 1338		Non-Existent		MAC 2056-1629 Very Close to Location
IC 1343		Non-Existent		MAC 2101-1524 Close by
NGC 7105		Non-Existent		MGC -2-55-1 PGC 67181 ?
IC 1404		Non-Existent		
NGC 7136		Non-Existent		Double Star
NGC 7134		Non-Existent		
NGC 7122		Non-Existent		
IC 1358		Non-Existent		
NGC 6993		Non-Existent		PGC 65671 ?
IC 1335		Non-Existent		
IC 1322		Non-Existent		PGC 64822 very close to location
IC 1323		Non-Existent		(STAR)
IC 1333		Non-Existent		

**Sub Total: 14**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 1313		Glxy (R')SB(r)ab	14.5	MCG -3-51-8 PGC 64463
IC 1324		Glxy (R')SA(rs)0/a:	14.5	MCG -2-52-12 PGC 64906
IC 1334		Glxy SAa:	13.9	MCG -3-53-8 PGC 65614
IC 1337		Glxy SAB(r)b pec:	14.5	MCG -3-53-12 IRAS 20540-1646 PGC 65760
IC 1356		Glxy S	16.1	MCG -3-53-22 PGC 65965
IC 1389		Glxy S	15.5	ESO 599-18 MCG -3-55-1 PGC 66916
IC 1412		Glxy (R')SB0+ pec	14.3	MCG -3-56-1 IRAS 21555-1724 PGC 67747
IC 1408		Glxy S0	15.4	MCG -2-55-7 PGC 67574
IC 1393		Glxy S0	15.5	ESO 531-20 MCG -4-51-8 PGC 67148
IC 1386		Glxy SA0-:	14.2	ESO 599-16 MCG -4-50-30 PGC 66852
IC 1339		Glxy SAB(rs)b pec:	14.1	ESO 598-8 MCG -3-53-13 IRAS 20550-1808 PGC 65799
IC 1336		Glxy Sa?	15.3	ESO 598-1 MCG -3-53-9 PGC 65706
IC 1328		Glxy S	16.1	ESO 597-28 MCG -3-52-23 IRAS 20390-1948 PGC 65217
IC 1321		Glxy (R')SB(r)bc	15.2	ESO 596-43 MCG -3-52-11 PGC 64751
IC 1319		Glxy Sb	14.9	ESO 596-37 MCG -3-52-7 IRAS 20231-1840 PGC 64675
NGC 6897		Glxy Sbc	14.8	MCG -2-52-1 IRAS 20182-1224 PGC 64513
NGC 6903		Glxy SAB0- pec:	12.9	ESO 596-29 MCG -3-52-3 PGC 64607
NGC 6898		Glxy (R')SB(rs)a:	14.5	MCG -2-52-2 IRAS 20183-1231 PGC 64517
NGC 6907	H141-3	Glxy SBbc	11.1	
NGC 6924		Glxy SA(s)0-:	13.9	ESO 528-16 MCG -4-48-14 PGC 64945
PGC 67111		Glxy L	15.6	ESO 531-13
PGC 67095		Glxy S0?	15.5	ESO 600-4 MCG -4-51-3
PGC 66293		Glxy E	16	MCG -4-50-4
PGC 66292		Glxy S	15.8	ESO 530-18 MCG -4-50-5
PGC 66174		Glxy L	15.6	ESO 530-2
PGC 66158		Glxy S	15.8	ESO 530-1

# Capricornus - The Horned Goat

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 66149		Glxy S	16.1	MCG -4-49-16 VV 764
PGC 65923		Glxy SB(rs)0+ pec:	13.4	MCG -3-53-19
PGC 65415		Glxy S0^ pec sp	15.3	ESO 597-36 MCG -3-53-5 Hickson 87A
PGC 65414		Glxy S	17.5	Hickson 87D
PGC 65412		Glxy S?	16.1	ESO 597-35 MCG -3-53-4 Hickson 87C
PGC 65409		Glxy SA(r)0+ pec?	15.4	MCG -3-53-3 Hickson 87B
PGC 64942		Glxy S?	14.5	MCG -2-52-14 IRAS 20304-1127
PGC 64822		Glxy		IRAS 20273-1523
PGC 64721		Glxy SAB(s)c:	15.6	ESO 596-40 MCG -3-52-9 IRAS 20247-1900
PGC 64672		Glxy Sc	15.4	ESO 596-36 MCG -3-52-6
NGC 7103		Glxy E+1	13.6	ESO 531-15 PGC 67124
NGC 7099		Globular	6.9	M 30
NGC 7073		Glxy Sa/b	16	MCG -2-54-10 MK 899 IRAS 21267-1142 PGC 66847
NGC 7035A		Glxy L	15.6	ESO 530-15A PGC 66257
NGC 7035		Glxy SAB(s)0:	15.4	ESO 530-15 PGC 66258
NGC 7030		Glxy (R')SB(r)ab pec	14.5	ESO 598-28 MCG -4-50-3 IRAS 21083-2041 PGC 66283
NGC 7019		Glxy SB(s)b:	16.3	ESO 529-22 IRAS 21035-2436 PGC 66107
NGC 7018		Glxy E	14.5	ESO 529-27 MCG -4-49-15 VV 764 PGC 66141
NGC 7017		Glxy S0	15.4	ESO 529-26 MCG -4-49-14 PGC 66137
NGC 7158		Glxy		CGCG 552-11 PGC 67698
NGC 7131		Glxy (R')SA(rs)0^?	14.5	MCG -2-55-2 PGC 67359
NGC 7104		Glxy E0 pec:	15.2	ESO 531-18 PGC 67137
NGC 7016		Glxy E0	14.7	ESO 529-25 MCG -4-49-13 PGC 66136
NGC 6986		Glxy SB0-?	14.6	ESO 598-7 MCG -3-53-11 PGC 65750
NGC 6936		Glxy SA0- sp:	13.8	ESO 528-22 MCG -4-48-21 PGC 65033
NGC 6931		Glxy Sb pec?	14.5	MCG -2-52-16 IRAS 20309-1132 PGC 64963
NGC 6912		Glxy SB(s)c	13.8	ESO 596-38 MCG -3-52-8 IRAS 20240-1846 PGC 64700
NGC 6908		Glxy SB(s)bc	11.9	NGC 6907 PGC 64650 ESO 528-3 MCG -4-48-6 UGC A418 IRAS 20221-2458
IC 4999		Glxy SB(rs)c?	13.5	ESO 527-21 MCG -4-48-4 IRAS 20209-2610 PGC 64613
MAC 2101-1431		Glxy	15.5	
MAC 2106-2524		Glxy	16	
MCG -4-50-4		Glxy S	15.5	
MAC 2107-2538B		Glxy	17	
MAC 2107-2538A		Glxy	15	
MAC 2107-2537		Glxy	15.5	
MAC 2107-2536B		Glxy	15.5	
MAC 2107-2536A		Glxy	15.5	
MAC 2107-2535		Glxy	14.5	
MAC 2107-2534C		Glxy	16.5	
MAC 2107-2534B		Glxy	16	
MAC 2107-2534A		Glxy	15.5	
MAC 2107-2532		Glxy	16	
MAC 2107-2531		Glxy	15.5	
MAC 2107-2529		Glxy	16	
MAC 2107-2528		Glxy	15.5	

# Capricornus - The Horned Goat

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC	2107-2527	Glxy	16	
MAC	2107-2525A	Glxy	15.5	
MAC	2107-2516	Glxy	16	
MAC	2107-2515	Glxy	16	
MAC	2106-2540	Glxy	15.5	
MAC	2106-2534	Glxy	15.5	
MAC	2106-2533A	Glxy	15	
MAC	2106-2533	Glxy	16	
MAC	2106-2532A	Glxy	16	
MAC	2106-2532	Glxy	16	
MAC	2106-2527	Glxy	16.5	
MAC	2107-2524D	Glxy	16	
MAC	2107-2524B	Glxy	16	
MAC	2107-2524A	Glxy	16	
MAC	2107-2523B	Glxy	16.5	
MAC	2107-2523A	Glxy	16.5	
MAC	2107-2522C	Glxy	15.5	
MAC	2107-2522B	Glxy	16.5	
MAC	2107-2522A	Glxy	16.5	
MAC	2107-2517	Glxy	16	
MAC	2106-2521	Glxy	16	
MAC	2033-1120	Glxy	16.5	
IC	5088	Glxy SA(r)0/a	14.3	MCG -4-50-1 PGC 66221
IC	5122	Glxy S0:	15.8	ESO 531-14 MCG -4-51-6 PGC 67123
IC	5124	Glxy S	17.7	ESO 531-16 PGC 67127
IC	5078	Glxy SA(s)c:	13.6	MCG -3-53-21 UGC A419 IRAS 20597-1701 PGC 65960
IC	5005	Glxy SB(s)cd:	13.6	ESO 528-4 MCG -4-48-7 IRAS 20223-2559 PGC 64657

**Sub Total: 98****Total: 112**

## Carina - The Keel of the Argo

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 2191		Glxy SB(r)0 <sup>+</sup> :	12.3	ESO 160-14 PGC 18464
IC 2195		Non-Existent		
NGC 2788		Glxy Sab? sp	13.2	ESO 61-2 IRAS 9083-6743 PGC 25761
IC 2448		PI Neb 2b	10.5	
NGC 2714		Glxy E0	14.4	ESO 125-7 PGC 24959
NGC 2640		Glxy SAB0-	10.8	ESO 165-2 IRAS 8360-5456 PGC 24229
NGC 2609		Open Cl sparse gr		
NGC 2516		Open Cl 7.0 I 3 r	3.8	
IC 2220		Nebula		
NGC 2502		Glxy SAB(s)0 <sup>+</sup>	13.2	ESO 209-8 PGC 22210
NGC 2417		Glxy SA(rs)bc	12.8	ESO 123-15 IRAS 7295-6208 PGC 21155
NGC 3036		Open Cl		
IC 2501		PI Neb 1	10.4	
IC 2504		Non-Existent		
NGC 2887		Glxy SA(s)0-?	12.8	ESO 91-9 PGC 26592
NGC 2867		PI Neb 4	9.7	
NGC 2842		Glxy (R')SB(rs)0/a:	13.4	ESO 91-4 FAIR282 IRAS 9144-6251 PGC 26114
NGC 2822		Glxy E?	11.7	ESO 61-4 IRAS 9132-6926 PGC 26026
NGC 2836		Glxy SA(rs)bc:	12.6	ESO 61-3 IRAS 9131-6907 PGC 26017
NGC 2808		Globular	6.2	
NGC 3324		Nebula 8.2 I 3 r n	6.7	
IC 2599		Nebula E+R		
NGC 3293		Open Cl 8.0 I 3 r n	4.7	
IC 2596		Glxy SB(rs)ab	14.6	ESO 38-2 FAIR283 IRAS 10329-7258 PGC 31265
IC 2581		Open Cl 4.6 II 2 p n	4.3	
NGC 3255		Open Cl 12.4 I 2 m	11	
NGC 3247		Open Cl 11.4 III 2 p	7.6	
NGC 3211		PI Neb 2b	10.7	
NGC 3199		Nebula E		
IC 2714		Open Cl 10.0 II 2 r	8.2	
NGC 3603		Open Cl 11.3 II 3 m n	9.1	
NGC 3590		Open Cl 10.3 I 2 p	8.2	
NGC 3586		Nebula EN		
NGC 3584		Nebula EN		
NGC 3576		Nebula E		
NGC 3582		Nebula EN		
NGC 3581		Nebula EN		
NGC 3579		Nebula EN		
NGC 3572		Open Cl 7.0 II 3 m n	6.6	
NGC 3532		Open Cl 8.0 II 3 r	3	
NGC 3519		Open Cl 11.0 III 2 m	7.7	
NGC 3503		Nebula 9.0 III 2 n	9.4	
IC 2621		PI Neb 1	11.3	
NGC 3496		Open Cl 11.8 II 1 r	8.2	
NGC 3372		Nebula E		Keyhole Nebula

## Carina - The Keel of the Argo

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 2602		Open Cl 3.0 I 3 r	1.6	the Theta Car Cl.
NGC 3136B		Glxy E+	12.7	ESO 92-13 PGC 29597
IC 2553		PI Neb	10.3	
IC 2554B		Glxy SBc	13.3	
IC 2554A		Glxy SBbc	11.7	
NGC 3136		Glxy E:	11.7	ESO 92-8 PGC 29311
NGC 3136A		Glxy IB(s)m? sp	15.5	ESO 92-7 PGC 29160
NGC 3114		Open Cl 9.0 II 3 r	4.2	
NGC 3059		Glxy SB(rs)bc	11.7	ESO 37-7 IRAS 9496-7341 PGC 28298
IC 2200		Glxy (R)SABb pec	14.1	ESO 123-12 IRAS 7276-6214 PGC 21075
NGC 2369		Glxy SB(s)a	13.2	ESO 122-18 IRAS 7160-6215 PGC 20556
NGC 2381		Glxy (R')SB(rs)a:	13.6	ESO 88-10 FAIR266 IRAS 7194-6258 PGC 20694
NGC 2369B		Glxy (R')SB(r)bc:	14.1	ESO 123-5 IRAS 7199-6157 PGC 20717
IC 2200A		Glxy SB(s)0- pec?	13.7	ESO 123-11 PGC 21062
NGC 2369A		Glxy SAB(rs)bc	13.7	ESO 88-8 IRAS 7182-6250 PGC 20640

**Sub Total: 60****Total: 60**

## Cassiopeia - The Queen

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 7801		Non-Existent		
NGC 629		Non-Existent		
NGC 7795		Non-Existent		
IC 5366		Non-Existent		
NGC 7438		Non-Existent		
IC 1851		Non-Existent		
IC 1831		Non-Existent		
IC 1824		Non-Existent		(STAR)
IC 155		Non-Existent		
IC 1795		Non-Existent		
NGC 771		Non-Existent		
IC 11		Non-Existent		
NGC 358		Non-Existent		

**Sub Total: 13**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
ABELL 82		PI Neb	12.7	IC 1454
IC 10		Glxy IBm	11.8	UGC 192 MCG 10-1-1 IRAS 177+5900 PGC 1305
IC 63		Nebula E+R		
IC 289		PI Neb 4+2	12.3	Hubble 1 PK 138+2.1 PNG 138.8+2.8
IC 166		Open Cl 17.0 II 1 r	11.7	
IC 59		Nebula E+R		
IC 1590		Open Cl 9.0 n	7.4	
NGC 225	H78-8	Open Cl 9.3 III 1 p n	7	
NGC 189		Open Cl 11.0 III 1 p	8.8	
NGC 185	H707-2	Glxy E3 pec	10.1	UGC 396 MCG 8-2-10 CGCG 550-9 IRAS 362+4803 PGC 2329
NGC 147		Glxy E5 pec	10.5	UGC 326 MCG 8-2-5 DDO3 CGCG 550-6 PGC 2004
NGC 146		Open Cl 11.6 II 2 p	9.1	
NGC 136	H35-6	Open Cl 13.0 II 1 p		
NGC 133		Open Cl IV 1 p	9.4	
NGC 129	H79-8	Open Cl 11.0 III 2 m	6.5	
NGC 110		Open Cl 9.7 IV 1 p cl		
NGC 886		Open Cl 11.0 IV 2 p		
NGC 743		Open Cl 10.0 IV 1 p		
NGC 663	H31-6	Open Cl 9.0 II 3 r	7.1	
NGC 659	H65-8	Open Cl 10.0 I 2 m	7.9	
NGC 657		Open Cl 7.1		
NGC 654	H46-7	Open Cl 10.0 II 2 r	6.5	
NGC 637	H49-7	Open Cl 8.0 I 2 m	8.2	
NGC 609		Open Cl 14.0 II 3 r	11	
NGC 581		Open Cl 9.0 II 2 m	7.4	M 103 Cr 14
NGC 896	H695-3	Nebula E		
NGC 559	H48-7	Open Cl 9.0 I 1 m	9.5	

## Cassiopeia - The Queen

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 457	H42-7	Open Cl 8.6 II 3 r	6.4	the Owl Cluster or Phi Cas Cluster
NGC 436	H45-7	Open Cl 10.0 I 2 m	8.8	
NGC 433		Open Cl 9.0 III 2 p		
NGC 381	H64-8	Open Cl 10.0 III 1 m	9.3	
NGC 366		Open Cl 10.0 II 3 m		
NGC 281		Nebula E		
NGC 278	H159-1	Glxy SAB(rs)b	11.5	UGC 528 MCG 8-2-16 CGCG 550-16 IRAS 492+4716 PGC 3051
NGC 103		Open Cl 11.0 II 1 m	9.8	
IC 1871		Nebula E		
IC 1848		Open Cl 7.1 I 3 p n	6.5	
IC 1805		Open Cl E		
IC 1747		PI Neb 3b	13.6	PK 130+1.1 PNG 130.2+1.3
NGC 1027	H66-8	Open Cl 9.0 II 3 m n	6.7	
NGC 1343	H694-3	Glxy SAB(s)b: pec	13.5	UGC 2792 MCG 12-4-1 CGCG 327-5 7ZW8 IRAS 3324+7224 PGC 13384
NGC 7635	H52-4	Nebula E		Bubble Nebula SH2-162 LBN 548
NGC 7788		Open Cl I 2 p	9.4	
NGC 7790	H56-7	Open Cl 10.0 II 2 m	8.5	
PGC 11282		Glxy S?	16.2	UGC 2411
NGC 7789	H30-6	Open Cl 10.0 II 2 r	6.7	
NGC 7654		Open Cl 11.0 II 2 r	6.9	M 52 Cr 455

**Sub Total: 47****Total: 60**

## Centaurus - The Centaur

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 3533		Glxy (R')SAB(r)ab sp	13.8	NGC 3557A PGC 33647 ESO 377-11 MCG -6-25-2 IRAS 11047-3654
NGC 3557A		Non-Existent		
NGC 3557B		Glxy E5:	13.6	ESO 377-15 MCG -6-25-4 PGC 33824
NGC 3564		Glxy S0: sp	13.1	ESO 377-18 MCG -6-25-6 PGC 33923
NGC 3573		Glxy SA0/a pec sp	13.3	ESO 377-22 MCG -6-25-11 IRAS 11089-3636 PGC 34005
NGC 3699		PI Neb	11	
NGC 3706		Glxy SA(rs)0-	12.4	ESO 378-6 MCG -6-25-22 PGC 35417
NGC 3749		Glxy SA(s)a pec sp	13.2	ESO 320-8 MCG -6-26-2 IRAS 11333-3743 PGC 35861
NGC 3909		Open Cl 9.0 cluster?		
NGC 3903		Glxy SAB(rs)c pec:	13.4	ESO 378-24 MCG -6-26-8 IRAS 11465-3714 PGC 36906
NGC 3882		Glxy SB(s)bc	13.3	ESO 170-11 IRAS 11436-5606 PGC 36697
IC 2949		Glxy L	15.4	ESO 266-16 PGC 36244
NGC 3783		Glxy (R')SB(r)ab	12.6	ESO 378-14 MCG -6-26-4 IRAS 11365-3727 TOL55 PGC 36101
NGC 3778		Glxy SAB0-:	14.1	ESO 216-26 PGC 36051
IC 2948		Open Cl R		
IC 2944		Nebula EN+OC		the Gamma Cen Cluster
NGC 3766		Open Cl 8.0 I 3 r	5.3	
NGC 4601		Glxy SAB(r)0+	14.5	ESO 322-50 MCG -7-26-26 PGC 42492
NGC 4603C		Glxy S0 sp	14.1	ESO 322-49 MCG -7-26-25 PGC 42486
NGC 4603B		Glxy Sb pec:	15.2	ESO 322-47 MCG -7-26-23 PGC 42441
NGC 4603A		Glxy SB(s)c?	14.2	ESO 322-44 MCG -7-26-20 IRAS 12368-4027 PGC 42369
NGC 4575		Glxy SB(s)bc pec:	13.1	ESO 322-36 MCG -7-26-15 IRAS 12351-4015 PGC 42181
NGC 4573		Glxy (R)SB(rs)0/a	13.9	ESO 268-26 MCG -7-26-14 FAIR455 PGC 42167
NGC 4574		Glxy SAB(s)c	13.6	ESO 380-49 MCG -6-28-7 FAIR311 IRAS 12350-3514 PGC 42166
NGC 4553		Glxy SA(r)0+	13.3	ESO 322-30 MCG -6-28-6 PGC 42018
NGC 4507		Glxy (R')SAB(rs)b	12.9	ESO 322-29 MCG -7-26-11 IRAS 12329-3938 TOL97 PGC 41960
NGC 4622B		Glxy S0 pec	14.9	ESO 322-64A MCG -7-26-36 VV 580 PGC 42852
NGC 4622A		Glxy SAB0- pec:	14.5	ESO 322-64 MCG -7-26-35 VV 580 PGC 42845
NGC 4645B		Glxy SAB0:	12.1	ESO 322-60 MCG -7-26-34 PGC 42813
NGC 4645A		Glxy SB0^ pec sp	12.2	ESO 322-59 MCG -7-26-32 IRAS 12403-4105 PGC 42764
NGC 4622		Glxy (R')SA(r)a pec	13.4	ESO 322-57 MCG -7-26-31 PGC 42701
NGC 4616		Glxy E+:	13.3	ESO 322-56 MCG -7-26-30 PGC 42662
NGC 4603D		Glxy SAB(s)d:	13.1	ESO 322-55 MCG -7-26-29 IRAS 12394-4033 PGC 42640
NGC 4603		Glxy SA(s)c:	12.3	ESO 322-52 MCG -7-26-28 IRAS 12382-4042 PGC 42510
IC 3639		Glxy SB(rs)bc:	13	ESO 381-8 MCG -6-28-11 FAIR312 IRAS 12381-3628 TOL74 PGC 42504
NGC 4499		Glxy SB(rs)bc:	14	ESO 322-22 MCG -7-26-8 PGC 41537
NGC 4444		Glxy SAB(rs)bc	13	ESO 268-10 MCG -7-26-7 IRAS 12259-4259 PGC 41043
IC 3370		Glxy E2-3	12	ESO 322-14 MCG -6-27-29 IRAS 12249-3903 PGC 40887
NGC 4373B		Glxy SB(s)dm	15	ESO 322-10 MCG -6-27-27A PGC 40735
NGC 4373A		Glxy SA0+: sp	12.6	ESO 322-8 MCG -6-27-26 IRAS 12229-3902 PGC 40549
NGC 4373		Glxy SAB(rs)0-:	11.9	ESO 322-6 MCG -6-27-25 PGC 40498
IC 3290		Glxy (R')SB(s)0/a	13	ESO 322-4 MCG -6-27-24 PGC 40470
IC 3253		Glxy SA(s)c:	12.6	ESO 380-24 MCG -6-27-21 IRAS 12211-3420 PGC 40265
NGC 4219A		Glxy SB(s)c?	14.4	ESO 267-38 MCG -7-25-6 IRAS 12153-4315 PGC 39484
NGC 4230		Open Cl IV 2 p	9.4	

## Centaurus - The Centaur

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 4219		Glxy SA(s)bc	12.7	ESO 267-37 MCG -7-25-5 IRAS 12138-4302 PGC 39315
IC 3057		Non-Existent		
NGC 4112		Glxy SAB(rs)b pec	12.8	ESO 321-6 MCG -7-25-3 IRAS 12045-3955 PGC 38452
IC 2977		Glxy I0?	13.2	ESO 379-9 MCG -6-26-14 PGC 37405
NGC 3960		Open Cl 11.5 I 2 m	8.3	
NGC 3918		PI Neb 2b	8.4	Blue Planetary
NGC 4696B		Glxy SA0-:	12.7	ESO 322-81 MCG -7-26-45 IRAS 12446-4058 PGC 43155
NGC 4677		Glxy SB(s)0+:	13.9	ESO 322-78 MCG -7-26-44 PGC 43127
NGC 4696A		Glxy SA(s)b?	14.5	ESO 322-77 MCG -7-26-43 IRAS 12441-4113 PGC 43120
NGC 4672		Glxy SA(s)a pec sp	14.1	ESO 322-73 MCG -7-26-41 IRAS 12435-4125 PGC 43073
NGC 4661		Glxy E-S0	13.5	
NGC 4650B		Non-Existent		NGC 4661 PGC 42966 ESO 322-71 MCG -7-26-39
NGC 4650A		Glxy S0/a pec:	13.9	ESO 322-69 PGC 42951
NGC 4650		Glxy SB(s)0/a pec	11.6	ESO 322-67 MCG -7-26-38 IRAS 12415-4027 PGC 42891
NGC 4645		Glxy E+	11.8	ESO 322-66 MCG -7-26-37 PGC 42879
NGC 5193A		Glxy S0 <sup>^</sup> : sp	14	ESO 383-14 MCG -5-32-36 PGC 47568
NGC 5188		Glxy (R')SAB(s)b pec	13	ESO 383-9 MCG -6-30-7 IRAS 13286-3432 PGC 47549
NGC 5168		Open Cl 10.4 I 2 m	9.1	
NGC 5155		Open Cl star clou		
NGC 5161		Glxy SA(s)c:	12	ESO 383-4 MCG -5-32-31 UGC A359 IRAS 13264-3255 PGC 47321
NGC 5156		Glxy SB(r)b	12.5	ESO 220-13 IRAS 13256-4839 PGC 47283
NGC 5138		Open Cl 10.3 II 2 m	7.6	
NGC 5139		Globular	3.9	Omega Centauri
IC 4247		Glxy S?	14.4	ESO 444-34 MCG -5-32-17 PGC 47073
NGC 5140		Glxy SAB(s)0-:	12.8	ESO 382-65 MCG -5-32-16 IRAS 13235-3336 PGC 47031
NGC 5120		Non-Existent		
NGC 5121A		Glxy SAB(s)dm	15.6	ESO 382-61 MCG -6-30-1 PGC 46960
NGC 5121		Glxy (R')SA(s)a	11.5	ESO 382-57 MCG -6-29-35 IRAS 13219-3725 PGC 46896
NGC 5114		Glxy SAB0-	13.4	ESO 444-24 MCG -5-32-6 PGC 46828
IC 4233		Non-Existent		
NGC 5108		Glxy SB(s)bc? sp	14.9	ESO 444-20 MCG -5-32-5 PGC 46774
NGC 5102		Glxy SA0-	10.4	ESO 382-50 MCG -6-29-31 IRAS 13191-3622 PGC 46674
NGC 5091		Glxy Sb pec sp	13.9	ESO 270-4 MCG -7-27-55 PGC 46626
NGC 5090		Glxy E2	12.6	ESO 270-2 MCG -7-27-54 PGC 46618
NGC 5086		Non-Existent		STAR MCG 5-4-40 CGCG 502-65 PGC 46597
NGC 5082		Glxy SB(rs)0 <sup>^</sup>	13.8	ESO 269-89 MCG -7-27-53 PGC 46566
NGC 5090B		Glxy SB(r)b	14	ESO 269-88 MCG -7-27-52 IRAS 13173-4335 PGC 46528
NGC 5090A		Glxy S0 <sup>^</sup>	14	ESO 269-84 PGC 46442
NGC 5064		Glxy (R')SAab:	12.9	ESO 220-2 IRAS 13160-4738 PGC 46409
IC 4219		Glxy SB(rs)b pec:	13.6	ESO 444-6 MCG -5-31-44 IRAS 13157-3122 PGC 46363
NGC 5063		Glxy (R')SA(rs)a	13.3	ESO 382-36 MCG -6-29-27 PGC 46357
NGC 5062		Glxy S0 <sup>^</sup> pec sp	12.2	ESO 382-35 MCG -6-29-26 IRAS 13155-3511 PGC 46351
IC 4214		Glxy (R')SB(r)ab	12.3	ESO 444-5 MCG -5-31-43 IRAS 13149-3150 PGC 46304
NGC 5045		Open Cl star clou		
NGC 5043		Open Cl 7.0 asterism?		PGC 46228

## Centaurus - The Centaur

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 5026		Glxy (R')SB(rs)0/a	12.5	ESO 269-73 MCG -7-27-48 IRAS 13113-4241 PGC 46023
NGC 5011B		Glxy S0	13.5	
NGC 5011C		Glxy S0/P	13.2	
NGC 5011		Glxy E1-2	12.4	ESO 269-65 MCG -7-27-42 PGC 45898
NGC 5011A		Glxy SAB(s)c:	14.3	ESO 269-63 MCG -7-27-41 IRAS 13093-4303 PGC 45847
NGC 4988		Glxy S0+:	13.8	ESO 269-55 MCG -7-27-37 IRAS 13070-4250 PGC 45671
IC 4200		Glxy (R')SA(r)0^:	13.9	ESO 219-33 PGC 45634
NGC 4976		Glxy E4 pec:	11	ESO 219-29 PGC 45562
NGC 4945A		Glxy SB(s)m? sp	13	ESO 219-28 PGC 45380
NGC 4953		Glxy S0+: pec	14.1	ESO 382-8 MCG -6-29-9 VV 671 PGC 45349
NGC 4950		Glxy SB(s)0^:	14.9	ESO 269-47 MCG -7-27-31 PGC 45294
NGC 4946		Glxy E+?	13.5	ESO 269-45 MCG -7-27-30 PGC 45283
NGC 4945		Glxy SB(s)cd: sp	9.3	ESO 219-24 IRAS 13025-4911 PGC 45279
NGC 4947		Glxy SAB(r)b pec	12.6	IC 3974 PGC 45269 ESO 382-5 MCG -6-29-6 IRAS 13025-3504
IC 3974		Non-Existent		ESO 382-5 MCG -6-29-6 IRAS 13025-3504 PGC 45269
NGC 4940		Glxy Sa	13.1	ESO 269-42 IRAS 13021-4658 PGC 45235
NGC 4937		Non-Existent		
NGC 4947A		Glxy SB(s)m:	15	ESO 382-4 MCG -6-29-5A PGC 45180
NGC 4936		Glxy E0	11.8	ESO 443-47 MCG -5-31-28 IRAS 13016-3016 PGC 45174
NGC 4930		Glxy SB(rs)b	12	ESO 323-74 MCG -7-27-29 IRAS 13012-4108 PGC 45155
IC 844		Glxy S0 sp	13.7	ESO 443-40 MCG -5-31-24 PGC 45086
NGC 4909		Glxy (R')SA(rs)a	13.5	ESO 269-35 MCG -7-27-28 FAIR462 PGC 44949
IC 3986		Glxy SAB0-:	13.3	ESO 443-32 MCG -5-31-16 PGC 44905
NGC 4905		Glxy SB(s)0+ pec	14.2	ESO 443-31 MCG -5-31-15 PGC 44902
NGC 4903		Glxy SB(rs)c	13.7	ESO 443-30 MCG -5-31-13 IRAS 12586-3039 PGC 44894
NGC 4852		Open Cl I 3 r	8.9	
NGC 4835		Glxy SAB(rs)bc:	12.4	ESO 269-19 IRAS 12552-4559 PGC 44409
NGC 4832		Glxy S0^	12.2	ESO 323-51 MCG -6-29-1 PGC 44361
NGC 4835A		Glxy Scd: sp	14	ESO 269-15 IRAS 12543-4606 PGC 44271
NGC 4812		Glxy S0 sp	14.1	ESO 323-48 MCG -7-27-18 PGC 44204
NGC 4811		Glxy SAB(rs)0+ pec	14	ESO 323-47 MCG -7-27-19 PGC 44201
IC 3896		Glxy E	12.1	ESO 219-12 PGC 44180
IC 3896A		Glxy SB(rs)cd pec:	12.9	ESO 219-8 IRAS 12526-4948 PGC 44040
NGC 4767B		Glxy SB(s)cd:	13.8	ESO 323-41 MCG -7-27-15 IRAS 12519-3934 PGC 43954
NGC 4767		Glxy E	12.5	ESO 323-36 MCG -6-28-23 PGC 43845
NGC 4785		Glxy (R')SB(r)b:	13.2	ESO 219-4 IRAS 12506-4828 PGC 43791
NGC 4767A		Glxy Scd pec sp	16.3	ESO 323-31 MCG -7-27-11A IRAS 12502-3933 PGC 43744
NGC 4751		Glxy SA0-:	11.8	ESO 323-29 MCG -7-27-11 IRAS 12500-4223 PGC 43723
NGC 4744		Glxy SB(s)0/a	13.8	ESO 323-22 MCG -7-27-6 IRAS 12495-4047 PGC 43661
NGC 4743		Glxy SA0+:	14	ESO 323-21 MCG -7-27-5 PGC 43653
NGC 4730		Glxy SA(r)0-:	13.9	ESO 323-17 MCG -7-27-3 PGC 43611
NGC 4729		Glxy E+:	12.3	ESO 323-16 MCG -7-27-2 ANON 1248-40 PGC 43591
NGC 4709		Glxy E1	12	ESO 323-3 MCG -7-26-56 PGC 43423
IC 4393		Glxy Scd? sp	14.6	ESO 446-44 MCG -5-34-6 IRAS 14148-3107 PGC 51061
IC 4390		Glxy SAB(s)bc:	13.8	ESO 271-28 MCG -7-29-12 FAIR327 IRAS 14137-4444 PGC 51015

## Centaurus - The Centaur

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 4389		Glxy S	15.1	ESO 326-16 PGC 51000
IC 4391		Glxy Sa	14.4	ESO 446-41 MCG -5-34-5 IRAS 14135-3127 PGC 50988
IC 4388		Glxy Sb	14.3	ESO 446-38 MCG -5-34-3 IRAS 14131-3131 PGC 50964
NGC 5516		Glxy SA(s)0-:	13	ESO 221-34 PGC 50960
IC 4386		Glxy SAB(s)dm pec:	12.7	ESO 271-25 MCG -7-29-11 IRAS 14118-4343 PGC 50905
IC 4387		Glxy SAB(s)m pec:	14.9	ESO 271-24 MCG -7-29-10 PGC 50904
IC 4385		Non-Existent		ESO 326-13 PGC 50880
NGC 5494		Glxy SA(s)c	12.6	ESO 446-25 MCG -5-34-1 IRAS 14094-3024 PGC 50732
IC 4379		Glxy S	15.5	ESO 384-65 MCG -6-31-28 VV 743 PGC 50710
IC 4378		Glxy S0	14.5	ESO 384-64 MCG -6-31-27 VV 743 PGC 50711
NGC 5489		Glxy SA(s)a:	13.1	ESO 271-21 PGC 50701
IC 4376		Non-Existent		(STAR)
NGC 5483		Glxy SA(s)c	11.9	ESO 271-19 MCG -7-29-8 IRAS 14072-4305 PGC 50600
NGC 5488		Glxy SABbc?	12.7	IC 4375 PGC 50423 ESO 384-58 MCG -5-33-48 IRAS 14051-3305
IC 4375		Non-Existent		ESO 384-58 MCG -5-33-48 IRAS 14051-3305 PGC 50423
NGC 5460		Open Cl 9.0 I 3 m	5.6	
IC 4367		Glxy (R)SAB(r)c	13	ESO 325-51 MCG -6-31-21 IRAS 14025-3857 PGC 50266
IC 4359		Glxy SA(rs)bc	13.8	ESO 271-15 IRAS 14022-4501 PGC 50248
IC 4362		Glxy SBc	13.4	ESO 325-50 MCG -7-29-7 IRAS 14022-4134 PGC 50246
IC 4366		Glxy SAB(rs)c pec	13.2	ESO 384-45 MCG -5-33-42 IRAS 14022-3331 PGC 50230
NGC 5419		Glxy E	11.9	ESO 384-39 MCG -6-31-19 PGC 50100
NGC 5408		Glxy IB(s)m	12.2	MCG -7-29-6 TOL116 PGC 50073
NGC 5408A		Knt in Glxy GxyP		
NGC 5398		Glxy (R')SB(s)dm pec	12.8	ESO 384-32 MCG -5-33-37 UGC A379 IRAS 13584-3249 PGC 49923
NGC 5397		Glxy SAB(s)0-:	12.7	ESO 384-31 MCG -6-31-13 IRAS 13582-3342 PGC 49908
NGC 5381		Open Cl 12.0 II 2 m		
NGC 5365B		Glxy Sab: sp	14.1	ESO 271-9 MCG -7-29-3 IRAS 13555-4343 PGC 49750
IC 4352		Glxy Sab:	13.6	ESO 384-22 MCG -6-31-7 IRAS 13554-3416 PGC 49726
NGC 5365		Glxy (R)SB(s)0-	12.5	ESO 271-8 MCG -7-29-2 PGC 49673
NGC 5367		Nebula R		
IC 4347		Nebula		
NGC 5365A		Glxy SAB: sp	13.6	ESO 271-6 IRAS 13535-4345 PGC 49586
IC 957		Non-Existent		
NGC 5357		Glxy E	13	ESO 445-78 MCG -5-33-32 PGC 49534
IC 955		Non-Existent		
IC 953		Non-Existent		(STAR)
NGC 5333		Glxy SB(r)0^:	11.7	ESO 221-17 PGC 49424
NGC 5316		Open Cl 11.0 II 2 r	6	
NGC 5307		PI Neb 3	12.1	
NGC 5299		Non-Existent		
NGC 5304		Glxy E+ pec:	13.6	ESO 445-52 MCG -5-33-22 PGC 49090
IC 4329A		Glxy SA0+: sp	13	ESO 445-50 MCG -5-33-21 IRAS 13464-3003 PGC 49051
IC 4329		Glxy SAB(s)0-	12.2	ESO 445-46 MCG -5-33-19 PGC 49025
NGC 5302		Glxy SB(s)0+:	12	ESO 445-43 MCG -5-33-18 PGC 49007
IC 4327		Glxy SB(s)c?	13.9	ESO 445-41 MCG -5-33-16 IRAS 13458-2958 PGC 48997

## Centaurus - The Centaur

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 5298		Glxy SB(r)b	13	ESO 445-39 MCG -5-33-15 PGC 48985
NGC 5292		Glxy (R')SA(rs)ab	12.8	ESO 445-31 MCG -5-33-8 IRAS 13447-3041 PGC 48909
NGC 5291		Glxy E pec:	15.1	ESO 445-30 MCG -5-33-6 PGC 48893
NGC 5284		Open Cl 10.6 star clou		
NGC 5281		Open Cl 8.0 I 3 m	5.9	
NGC 5286		Globular	7.4	
IC 4324		Glxy Sa:	14.8	ESO 445-25 MCG -5-32-75 IRAS 13426-2958 PGC 48776
NGC 5269		Open Cl 12.0 cluster?		
IC 4321		Glxy Sab	15.1	ESO 445-22 MCG -5-32-73 PGC 48694
NGC 5266		Glxy SA0-:	12.1	ESO 220-33 IRAS 13399-4755 PGC 48593
NGC 5266A		Glxy SAcd:	12.7	ESO 220-30 IRAS 13375-4805 PGC 48390
IC 4312		Glxy SAB(r)0^:	13.4	ESO 220-29 IRAS 13373-5049 PGC 48384
IC 4311		Glxy S?	14	ESO 220-27 IRAS 13370-5047 PGC 48352
NGC 5253	H638-2	Glxy Pec	10.9	ESO 445-4 MCG -5-32-60 UGC A369 IRAS 13370-3123 PGC 48334
NGC 5244		Non-Existent		NGC 5219 PGC 48236 ESO 270-23 MCG -7-28-7 IRAS 13356-4536
NGC 5219		Glxy Sb	12.6	NGC 5244 PGC 48093
NGC 5237		Glxy I0?	13.2	ESO 270-22 MCG -7-28-5 FAIR160 PGC 48139
NGC 5234		Glxy (R')SAB(s)0+	14	ESO 220-24 PGC 48129
IC 4291		Open Cl 10.0 II 2 m	9.7	
IC 4299		Glxy SAB(s)a	13.7	ESO 383-42 MCG -6-30-17 PGC 48057
IC 4296		Glxy E	11.6	ESO 383-39 MCG -6-30-16 PGC 48040
NGC 5220		Glxy SAa pec sp	13.1	ESO 383-36 MCG -5-32-46 IRAS 13330-3311 PGC 47972
NGC 5215B		Glxy S0 pec	13.9	ESO 383-29 PGC 47887
NGC 5215A		Glxy S0 pec	14.1	ESO 383-28 PGC 47883
NGC 5206		Glxy (R')SB(rs)0^ p:	11.6	ESO 220-18 PGC 47762
NGC 5193		Glxy E pec:	12.5	ESO 383-15 MCG -5-32-37 PGC 47582
NGC 5215		Non-Existent		NGC 5215A
NGC 5786		Glxy (R')SB(s)bc	12	ESO 327-37 MCG -7-31-4 IRAS 14556-4148 PGC 53527
IC 4511		Non-Existent		
IC 4490		Non-Existent		(STAR)
IC 4458		Non-Existent		(STAR) ESO 327-3 PGC 52300
IC 4464		Glxy SAB(r)0^:	12.6	ESO 385-50 MCG -6-32-11 PGC 52286
NGC 5662		Open Cl 10.0 II 3 r	5.5	
IC 4451		Glxy E+:	12	ESO 385-46 MCG -6-32-10 PGC 52094
IC 1023		Non-Existent		
NGC 5617		Open Cl 10.0 I 3 r	6.3	
IC 4430		Glxy		
IC 4432		Glxy S	16.4	ESO 326-25 PGC 51727
IC 4421		Glxy E?	13.4	ESO 385-27 MCG -6-32-6 PGC 51704
NGC 5606		Open Cl 7.9 I 3 p	7.7	
IC 4411		Non-Existent		ESO 385-18 PGC 51398
IC 4400		Non-Existent		
NGC 4706		Glxy SAB(s)0^ sp	13.9	ESO 323-1 MCG -7-26-55 PGC 43411
NGC 4696		Glxy E+1 pec	11.4	ESO 322-91 MCG -7-26-51 PGC 43296
NGC 4696E		Glxy SB(s)0^ sp	14.5	ESO 322-90 MCG -7-26-50 PGC 43262

## Centaurus - The Centaur

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 4696D		Glxy SB(r)0 <sup>^</sup> pec sp	14	ESO 322-88 MCG -7-26-49 PGC 43249
NGC 4696C		Glxy Sb: sp	14.6	ESO 322-87 MCG -7-26-48 PGC 43218
NGC 4683		Glxy SB(s)0-	12.7	ESO 322-83 MCG -7-26-47 PGC 43182
NGC 4679		Glxy SB(s)c pec:	13.1	ESO 322-82 MCG -6-28-18 IRAS 12447-3917 PGC 43170
NGC 4681		Glxy Sab	13.4	ESO 268-40 MCG -7-26-46 IRAS 12446-4303 PGC 43166
NGC 3742		Glxy (R')SAB(rs)ab p	13	ESO 320-6 MCG -6-26-1 PGC 35833
IC 2872		Nebula E		
NGC 3680		Open Cl 10.0 l 2 m	7.6	
NGC 3568		Glxy SB(s)c:	13	ESO 377-20 MCG -6-25-9 IRAS 11084-3710 PGC 33952
NGC 3557		Glxy E3	11.4	ESO 377-16 MCG -6-25-5 PGC 33871
<b>Sub Total: 235</b>				

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 5124		Glxy E6:	13.1	IC 4233 PGC 46902 ESO 444-27 MCG -5-32-9
NGC 5126		Glxy S0/a pec sp	14.1	ESO 444-28 MCG -5-32-10 PGC 46910
NGC 5128		Glxy S0 pec	7.8	ESO 270-9 MCG -7-28-1 ARP 153 PGC 46957
<b>Sub Total: 3</b>				
<b>Total: 238</b>				

## Cepheus - The King

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 6951		Non-Existent		NGC 6952
IC 1396A		Non-Existent		
IC 5133		Non-Existent		
NGC 7748		Non-Existent		
IC 5134		Non-Existent		
IC 5132		Non-Existent		
IC 1396B		Non-Existent		
NGC 6953		Non-Existent		
NGC 7055		Non-Existent		
IC 1378		Non-Existent		

**Sub Total: 10**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
CR 427		Open Cl IV 1 pn	13.8	
IC 1502		Glxy S0+	14.5	UGC 12706 UGC 12105 MCG 13-1-2 MCG 12-1-1 CGCG 344-3 CGCG 359-5 PGC 71864
IC 455		Glxy S0	14.3	UGC 3815 MCG 14-4-33 CGCG 362-44 CGCG 363-30 PGC 21334
IC 469		Glxy SAB(rs)ab:	13.5	UGC 3994 MCG 14-4-38 CGCG 362-47 CGCG 363-35 CGCG 364-1 IRAS 7419+8516 PGC 22213
IC 1396		Open Cl II3mn	3.5	
IC 1470		Nebula E		
IC 1454		PI Neb 4	14.8	ABELL 81 PK 117+18.1 PNG 117.5+18.9
NGC 1184	H704-2	Glxy S0/a	13.4	UGC 2583 MCG 13-3-2 CGCG 346-2 IRAS 3088+8035 PGC 12174
NGC 2276		Glxy SAB(rs)c	11.9	UGC 3740 MCG 14-4-28 CGCG 362-42 CGCG 363-27 7ZW134 ARP 25 ARP 114 PGC 21039
NGC 1544		Glxy S?	14.2	UGC 3160 MCG 14-3-6 CGCG 361-11 CGCG 362-4 CGCG 370-1A KARA153 PGC 16608
NGC 2300		Glxy SA0^	12.1	UGC 3798 MCG 14-4-31 CGCG 362-43 CGCG 363-29 ARP 114 PGC 21231
LBN 497		Nebula		Bright Nebula
NGC 40	H58-4	PI Neb 3b+3	10.7	PK 120+9.1 PNG 120.0+9.8
MINK 2-51		PI Neb 2+3	13.5	PK 103+0.1 Minkowski 2-51
NGC 188		Open Cl 10.0 I 2 r	8.1	
NGC 6939	H42-6	Open Cl 11.9 II 1 r	7.8	
NGC 6946	H76-4	Glxy SAB(rs)cd	9.6	UGC 11597 MCG 10-29-6 CGCG 304-6 ARP 29 IRAS 20338+5958 PGC 65001
SH2 155		Nebula		The Cave Nebula SH2-155
PGC 69376		Glxy Sc	15.5	UGC 12141 CGCG 358-3 CGCG 359-2 KARA979
PGC 20191		Glxy S	15.3	MCG 14-4-14 CGCG 370-4B CGCG 362-33 IRAS 6462+8643
PGC 20066		Glxy E?	14.6	UGC 3536A MCG 14-4-11 CGCG 362-31 CGCG 370-3B ARAK124 VV 248 ARP 96
PGC 20028		Glxy Double System	15.5	UGC 3528A MCG 14-4-10 CGCG 370-2B CGCG 362-30 VV 248 ARP 96
NGC 7281		Open Cl IV 2 p		
NGC 7234	H63-8	Open Cl cluster?		
NGC 7226		Open Cl 10.8 I 2 m	9.6	
NGC 7160	H67-8	Open Cl 7.0 I 3 p	6.1	
NGC 7142	H66-7	Open Cl 11.0 I 2 r	9.3	
NGC 7139	H696-3	PI Neb 3b	13.3	PK 104+7.1 PNG 104.1+7.9

## Cepheus - The King

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 7133		Nebula R		
NGC 7129	H75-4	Nebula IV 2 p n	11.5	
NGC 7076	H936-3	PI Neb 3b	17	ABELL 75 PK 101+8.1 PNG 101.8+8.7
NGC 7023	H74-4	Nebula R		
PGC 65255		Glxy Sbc	13.8	UGC 11635 MCG 13-15-1 CGCG 358-1 CGCG 357-11 IRAS 20457+7958
PGC 12391		Glxy Im	14.8	KARA890 UGC 2603
PAL 1		Globular	13.6	Palomar 1
NGC 7822		Nebula R		
NGC 7762	H55-7	Open Cl 11.0 II 2 m	10	
NGC 7510	H44-7	Open Cl 10.0 II 3 r n	7.9	
NGC 7429		Open Cl 11.0 IV 2 p		
NGC 7423	H745-3	Open Cl 15.0 II 2 m	15	
NGC 7419	H43-7	Open Cl 10.0 I 2 m	13	
NGC 7380	H77-8	Open Cl 10.0 III 2 m n	7.2	
NGC 7354	H705-2	PI Neb 4+3b	12.9	PK 107+2.1 PNG 107.8+2.3
NGC 7352		Open Cl cluster?		
NGC 7261		Open Cl 9.6 II 3 m	8.4	
NGC 7235		Open Cl 8.8 II 3 m	7.7	
NGC 7708	H62-8	Open Cl 7.3 asterism?		
NGC 7538	H706-2	Nebula E		
NGC 6952		Glxy SAB(rs)bc	11.6	NGC 6951 PGC 65086 UGC 11604 MCG 11-25-2 CGCG 325-3 IRAS 20366+6555
NGC 6949		Glxy S?	14.5	UGC 11600 MCG 11-25-1 CGCG 325-2 IRAS 20343+6437 PGC 65010

**Sub Total: 50****Total: 60**

## Cetus - The Whale

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 5384		Non-Existent		NGC 7813 MCG -2-1-16 MK 936 IRAS 15-1215 PGC 287
NGC 59		Glxy SA(rs)0-:	13.1	ESO 539-4 MCG -4-1-26 PGC 1034
NGC 61A	H428-3	Glxy S0 pec?	14.4	NGC 61 PGC 1083 MCG -1-1-62 VV 742
NGC 118		Glxy I0?	14.8	UGC 264 MCG 0-2-32 MK 947 CGCG 383-16 UM244 3ZW9 IRAS 247-203 PGC 1678
NGC 117		Glxy S0+: sp	15.3	MCG 0-2-29 CGCG 383-15 PGC 1674
NGC 116		Non-Existent		MCG -1-2-17 PGC 1671
NGC 114		Glxy SB(rs)0:	14.7	UGC 259 MCG 0-2-27 MK 946 CGCG 383-14 KUG 24-20A PGC 1660
NGC 113		Glxy SA0-:	13.5	MCG -1-2-16 PGC 1656
NGC 111		Non-Existent		
NGC 107		Glxy Sbc	14.6	MCG -2-2-14 PGC 1606
NGC 102		Glxy S0/a	14.4	MCG -2-2-11 PGC 1542
NGC 77		Glxy SA0-:	15.7	ESO 473-15 PGC 1290
IC 32		Glxy S	15.8	MCG 0-2-80 PGC 2096
NGC 158		Non-Existent		
NGC 155		Glxy S0^ pec	13.5	MCG -2-2-55 PGC 2076
NGC 156		Non-Existent		
NGC 154	H467-3	Glxy E	14.1	MCG -2-2-53 PGC 2058
IC 30		Glxy S	16.5	MCG 0-2-74 PGC 2050
IC 29		Glxy C	15.5	MCG 0-2-72 CGCG 383-36 PGC 2042
NGC 153		Non-Existent		NGC 151 PGC 2035 MCG -2-2-54 IRAS 315-958
IC 21		Glxy Sab	14.5	MCG 0-2-53 PGC 1785
IC 20		Glxy S0	14.9	MCG -2-2-21 PGC 1755
IC 17		Glxy S	15	UGC 275 MCG 0-2-37 CGCG 383-21 PGC 1723
IC 16		Glxy E?	14.7	MCG -2-2-17 IRAS 255-1322 PGC 1730
IC 15		Non-Existent		
NGC 124		Glxy SA(s)c	13.7	UGC 271 MCG 0-2-38 CGCG 383-18 IRAS 253-205 PGC 1715
NGC 123		Non-Existent		
NGC 122		Non-Existent		
NGC 120		Glxy SB0^:	14.4	UGC 267 MCG 0-2-33 CGCG 383-17 PGC 1693
IC 9		Glxy Sb(r)	16.1	MCG -2-2-1 IRAS 171-1423 PGC 1271
NGC 66		Glxy SB(r)b pec	14.2	ESO 473-10 MCG -4-2-2 IRAS 165-2312 PGC 1236
NGC 65		Glxy SAB(rs)0-:	14.4	ESO 473-10A MCG -4-2-1 PGC 1229
NGC 73		Glxy SAB(rs)bc:	13.5	MCG -3-1-26 PGC 1211
IC 5		Glxy E	14.8	MCG -2-1-47 IRAS 148-951 PGC 1145
NGC 64		Glxy SB(s)bc	14	MCG -1-1-68 IRAS 149-706 PGC 1149
NGC 62		Glxy (R)SB(r)a:	12.3	MCG -2-1-43 IRAS 145-1345 PGC 1125
NGC 61B		Non-Existent		NGC 61-2 PGC 1085 MCG -1-1-63 VV 742
IC 33		Glxy S0	15.6	MCG 0-2-82 PGC 2101
NGC 135		Glxy	16.2	IC 26 PGC 2010
IC 26		Non-Existent		NGC 135
IC 28		Non-Existent		
IC 27		Non-Existent		
IC 25		Glxy S0?	15.2	MCG 0-2-64 MK 952 CGCG 383-33 IRAS 286-40 KUG 28-6 PGC 1905
IC 23		Glxy E	14.5	MCG -2-2-32 PGC 1872
NGC 132	H855-2	Glxy SAB(s)bc	13.4	UGC 301 MCG 0-2-63 CGCG 383-32 IRAS 276+149 KUG 27+18 PGC 1844

## Cetus - The Whale

Observed: No

Object	No	Her	Type	Mag	Alias/Notes
IC	22		Glxy E/S0	15.6	MCG -2-2-27 PGC 1815
IC	1561		Glxy SB?	14.9	ESO 474-8 MCG -4-2-29 PGC 2305
IC	36		Glxy		
NGC	179		Glxy SAB0-	14.2	ESO 540-7 MCG -3-2-26 PGC 2253
NGC	177		Glxy SA(r)ab	14.1	ESO 474-6 MCG -4-2-28 PGC 2241
NGC	175		Non-Existent		
NGC	172		Glxy SB(r)bc? sp	14	ESO 474-5 MCG -4-2-27 IRAS 348-2251 PGC 2228
NGC	173	H871-3	Glxy SA(rs)c	13.7	UGC 369 MCG 0-2-92 CGCG 383-43 IRAS 346+140 PGC 2223
NGC	170		Glxy S0-?	15.4	MCG 0-2-91 CGCG 383-42 PGC 2195
NGC	168		Glxy S0-? sp	14.8	ESO 474-4 MCG -4-2-26 IRAS 341-2251 PGC 2192
NGC	426	H592-3	Glxy E+	13.8	UGC 760 MCG 0-4-35 CGCG 385-26 PGC 4363
NGC	413		Glxy SB(r)c:	14.9	MCG -1-4-13 PGC 4347
IC	1643		Glxy S	15.3	MCG 0-4-33 CGCG 385-25 PGC 4328
IC	1640		Glxy	15.4	CGCG 385-24 PGC 4299
IC	85		Non-Existent		
IC	1639		Glxy Pec?	14.4	UGC 750 MCG 0-4-31 MK 562 CGCG 385-23 PGC 4292
IC	84		Glxy L	14.9	MCG 0-4-29 CGCG 385-21 PGC 4265
NGC	417		Glxy SAB0-:	15.1	ESO 541-24 MCG -3-4-19 PGC 4237
IC	83		Glxy S	15.2	MCG 0-4-21 CGCG 385-15 PGC 4182
NGC	412		Non-Existent		
IC	81		Glxy Sbc	14.7	MCG 0-4-15 CGCG 385-10 PGC 4127
IC	1629		Glxy C	15.6	CGCG 385-9 PGC 4122
IC	82		Glxy S	14.5	MCG -3-4-13 PGC 4103
IC	80A		Glxy S?	14.1	
IC	79		Glxy SA0-	14.5	MCG -3-4-11 PGC 4082
IC	76		Glxy L	15.5	MCG -1-4-1 MK 973 IRAS 1056-449 PGC 4035
NGC	391		Glxy (R')SA0-:	14.4	UGC 693 MCG 0-3-75 CGCG 384-77 PGC 3976
NGC	377		Glxy		
NGC	363		Glxy S0	15	MCG -3-3-23 PGC 3911
NGC	367		Glxy Sc	15.5	PGC 3894
NGC	369		Glxy SAB(r)b:	14.6	ESO 541-17 MCG -3-3-22 PGC 3856
NGC	364		Glxy (R)SB(s)0^:	14.1	UGC 666 MCG 0-3-69 CGCG 384-67 PGC 3833
NGC	359		Glxy S0-:	14.3	UGC 662 MCG 0-3-66 CGCG 384-66 PGC 3817
NGC	356		Glxy SAB(s)bc pec:	13.5	MCG -1-3-78 VV 486 IRAS 1005-715 PGC 3754
NGC	355		Glxy SB0^ pec:	15.1	MCG -1-3-77 PGC 3753
NGC	353		Glxy SBa pec:	14.6	UGC 641 MCG 0-3-58 CGCG 384-58 IRAS 598-213 PGC 3714
NGC	352	H191-3	Glxy (R')SB(rs)b?	13.5	MCG -1-3-71 IRAS 596-430 PGC 3701
NGC	351		Glxy (R')SB(r)0/a:	14.1	UGC 639 MCG 0-3-57 CGCG 384-57 PGC 3693
NGC	350		Glxy E/S0	15.3	MCG -1-3-69 PGC 3690
NGC	349		Glxy SA0-	13.5	MCG -1-3-68 PGC 3687
IC	1610		Glxy (R')SAB0+:	13.6	MCG -3-3-20 PGC 3681
NGC	344		Glxy Sc	16.1	ESO 475-6 PGC 3674
NGC	347		Glxy SB	14.5	IC 71 MCG -1-3-63 PGC 3673
IC	71		Non-Existent		MCG -1-3-63 PGC 3673
NGC	337A		Glxy SAB(s)dm	12.7	MCG -1-3-65 IRAS 589-751 PGC 3671

## Cetus - The Whale

Observed: No

Object	No	Her	Type	Mag	Alias/Notes
IC	72		Non-Existent		
NGC	345		Glxy SA(s)a:	13.5	MCG -1-3-64 PGC 3665
IC	70		Glxy		
NGC	342		Glxy E	14.5	MCG -1-3-58 PGC 3631
NGC	343		Glxy		
NGC	341B		Glxy C	15.8	
NGC	341A		Non-Existent		
NGC	340		Glxy Sb	15.2	MCG -1-3-55 IRAS 580-708 PGC 3610
IC	68		Non-Existent		
IC	67		Non-Existent		
NGC	335		Glxy Sbc? sp	15.1	ESO 541-6 MCG -3-3-15 IRAS 568-1830 PGC 3544
NGC	333A		Non-Existent		
NGC	333		Glxy E/S0	14.5	MCG -3-3-13 PGC 3519
IC	1604		Non-Existent		
NGC	333B		Glxy S?	14.7	
IC	1607		Glxy S?	14.3	UGC 611 MCG 0-3-47 CGCG 384-51 PGC 3512
NGC	336		Glxy	12	ESO 541-4 MCG -3-3-11 ANON 56-19 PGC 3526
NGC	320		Glxy (R)SB(rs)0/a:	14.5	ESO 541-3 MCG -4-3-37 IRAS 563-2106 PGC 3510
IC	1606		Non-Existent		
NGC	310		Non-Existent		STAR MCG -2-1-18 PGC 3396
NGC	307		Glxy S0^:	13.8	UGC 584 MCG 0-3-35 CGCG 384-39 PGC 3367
NGC	308		Non-Existent		STAR ESO 193-15 PGC 3354
NGC	301		Glxy	15.6	PGC 3345
IC	60		Glxy S	15.4	
NGC	302		Non-Existent		STAR MCG 6-1-10 PGC 3311
IC	1602		Glxy E	14.8	MCG -2-3-47 PGC 3306
IC	1601		Glxy S?	14.5	ESO 474-44 MCG -4-3-32 IRAS 531-2425 PGC 3287
IC	58		Glxy L	15.2	MCG -2-3-41 PGC 3257
NGC	298		Glxy Scd: sp	13.5	MCG -1-3-33 PGC 3250
NGC	297		Glxy		PGC 3243
NGC	303		Glxy S0: pec	16.1	PGC 3240
NGC	293		Glxy (R')SB(rs)b	14.7	MCG -1-3-30 IRAS 517-730 PGC 3195
NGC	286		Glxy SAB(s)0^ pec?	14.5	MCG -2-3-34 PGC 3142
NGC	285		Glxy E/S0	16	KAZ377 PGC 3141
NGC	291		Glxy (R')SB(r)a:	14.5	MCG -2-3-35 IRAS 510-901 PGC 3140
NGC	284		Glxy E	14.6	MCG -2-3-33 PGC 3132
NGC	283		Glxy Sc	13.5	MCG -2-3-31 IRAS 507-1326 PGC 3124
NGC	279	H439-3	Glxy (R')SAB(r)0+ p:	13.7	UGC 532 MCG 0-3-19A MK 558 CGCG 384-18 IRAS 495-229 PGC 3055
IC	1521		Non-Existent		
NGC	808		Glxy (R')SB(r)bc:	14.1	ESO 478-1 MCG -4-6-3 IRAS 2015-2333 PGC 7865
NGC	806		Glxy Scd pec?	14.8	MCG -2-6-21 IRAS 2010-1010 KUG 201-101 PGC 7835
NGC	814		Glxy SB(s)d	16	MCG -3-6-5 PGC 7799
NGC	815		Glxy SB(s)m:	16	MCG -3-6-4 PGC 7798
NGC	787		Glxy (R)SA(rs)b:	13.5	MCG -2-6-15 PGC 7632
IC	186A		Glxy S0/a	15.8	IC 186 MCG 0-6-20 CGCG 387-23 PGC 7599

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Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 186B		Glxy	15.5	IC 186 MCG 0-6-21 CGCG 387-23 PGC 7600
IC 186		Non-Existent		
IC 185		Glxy S	17	MCG 0-6-19 PGC 7576
IC 1767		Glxy (R')SA(r)0/a:	14.5	MCG -2-6-12 PGC 7568
IC 183		Glxy S0?	14.6	MCG -1-6-15 PGC 7538
IC 1761		Glxy S0?	15.2	CGCG 387-19 PGC 7484
NGC 763		Non-Existent		
NGC 764		Non-Existent		
IC 1757		Non-Existent		
IC 1758		Non-Existent		
NGC 757		Non-Existent		
IC 175		Glxy	15.7	CGCG 387-3 PGC 7261
IC 173		Glxy SB(rs)bc	14.9	UGC 1402 MCG 0-6-1 CGCG 387-1 PGC 7217
NGC 758		Glxy S0	15	PGC 7198
NGC 726		Glxy SB(s)dm pec	14	MCG -2-6-3 KUG 153-110 PGC 7182
NGC 713		Glxy Sb	15	MCG -2-5-75 PGC 7161
NGC 734		Glxy SAB(rs)a?	16	PGC 7121
IC 172		Glxy S?	14.9	MCG 0-5-49 CGCG 386-56 ARAK63 IRAS 1523+33 PGC 7116
NGC 756		Glxy S0: pec	15	MCG -3-5-29 PGC 7078
NGC 723	H460-3	Glxy Sbc	12.5	
NGC 715		Glxy Sb	16.6	MCG -2-5-69 PGC 6991
IC 1745		Non-Existent		
IC 170		Glxy E	15	MCG -2-5-66 PGC 6890
IC 1738		Glxy (R')SAB(rs)b	15.3	MCG -2-5-61 PGC 6832
NGC 699		Glxy SBbc? sp	14.7	MCG -2-5-59 IRAS 1482-1217 PGC 6798
IC 169		Non-Existent		
NGC 690		Glxy SAB(s)c:	14.8	MCG -3-5-21 ANON 145-16 PGC 6587
IC 160		Glxy SAB0-:	14.5	MCG -2-5-44 PGC 6511
IC 159		Glxy SB(rs)b pec:	14.7	MCG -2-5-42 PGC 6505
IC 158		Non-Existent		
NGC 667		Glxy SA0^:	15.2	ESO 477-2 PGC 6418
IC 149		Glxy S	15.1	MCG -3-5-15 IRAS 1400-1633 PGC 6289
NGC 655		Glxy S0 pec	14.5	MCG -2-5-37 PGC 6262
NGC 649		Glxy Sa	15	MCG -2-5-34 PGC 6169
IC 147		Glxy Sbc	14.5	MCG -3-5-13 IRAS 1375-1506 PGC 6164
NGC 647		Glxy SB(r)0^?	14.5	MCG -2-5-33 PGC 6155
NGC 640		Glxy S	15.9	MCG -2-5-31 PGC 6130
NGC 648		Glxy SA0- pec:	14.5	IC 146 PGC 6083 ESO 543-6 MCG -3-5-11
IC 146		Non-Existent		ESO 543-6 MCG -3-5-11 PGC 6083
IC 145		Glxy Sab	15.5	MCG 0-5-20 CGCG 386-22 PGC 6084
NGC 635		Glxy		
IC 144		Glxy L	14.5	MCG -2-5-28 PGC 6027
NGC 622	H454-3	Glxy SB(rs)b	13.7	UGC 1143 MCG 0-5-14 MK 571 CGCG 386-16 UM343 IRAS 1334+24 KARA56 PGC 5939
NGC 624	H471-3	Glxy (R')SB(r)b pec	13.6	MCG -2-5-10 IRAS 1333-1015 PGC 5932
NGC 611		Non-Existent		

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Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 610		Non-Existent		
NGC 607		Non-Existent		
NGC 617		Glxy Sab	15	MCG -2-5-7 PGC 5831
IC 1716		Non-Existent		(STAR)
NGC 600	H432-3	Glxy (R')SB(rs)d	12.9	MCG -1-5-7 IRAS 1305-733 PGC 5777
IC 138		Glxy SAB(s)c	14.6	UGC 1106 MCG 0-5-3 CGCG 386-5 PGC 5771
NGC 594		Glxy Sbc:	14.2	MCG -3-5-5 IRAS 1305-1647 PGC 5769
IC 1714		Non-Existent		
NGC 599	H473-2	Non-Existent		NGC 601
IC 141		Glxy SB(rs)bc:	13.6	MCG -3-5-4 IRAS 1304-1504 PGC 5765
NGC 589		Glxy (R)SB(r)0/a	14.8	MCG -2-5-4 MK 999 PGC 5758
NGC 593		Glxy SB(r)0^? sp	14.5	MCG -2-5-3 PGC 5733
NGC 585		Glxy Sa: sp	14	UGC 1092 MCG 0-5-1 CGCG 386-1 IRAS 1291-111 PGC 5688
NGC 586	H431-3	Glxy SA(s)a:?	14.1	MCG -1-5-1 PGC 5679
IC 129		Glxy (R')SAB(rs)0+?	13.7	MCG -2-5-1 PGC 5675
IC 130		Glxy S0	15.8	MCG -3-5-1 PGC 5671
IC 128		Glxy SBc	15.3	MCG -2-4-63 PGC 5659
IC 1712		Non-Existent		MCG -1-4-60 PGC 5663
NGC 577		Glxy SBa	13	
NGC 580		Non-Existent		NGC 577 PGC 5628 UGC 1080 MCG 0-4-165 CGCG 385-165 IRAS 1281-215
IC 126		Glxy S?	15	UGC 1071 CGCG 385-162 PGC 5577
IC 127		Glxy Sb: sp	14.5	MCG -1-4-57 PGC 5581
IC 1819		Glxy S0	14.7	CGCG 414-23 KARA110 PGC 9858
NGC 988		Glxy SB(s)cd:	10.9	MCG -2-7-37 UGC A35 IRAS 2330-934 PGC 9843
NGC 985		Glxy Ring pec	14	MCG -2-7-35 MK 1048 VV 285 IRAS 2321-900 KUG 232-90 PGC 9817
IC 1818		Non-Existent		
NGC 989		Glxy S0	13.2	MCG -3-7-34 PGC 9762
IC 237		Glxy E/S0	14.7	MCG 0-7-42 CGCG 388-50 PGC 9742
NGC 975		Glxy S0/a	14.1	UGC 2030 MCG 1-7-9 CGCG 414-17 PGC 9735
NGC 977	H472-3	Glxy (R')SAB(r)a:	13.5	MCG -2-7-31 PGC 9713
NGC 981		Glxy SC	14.7	MCG -2-7-30 IRAS 2305-1111 KUG 230-111 PGC 9710
IC 236		Non-Existent		
NGC 965		Glxy SB(s)cd pec?	14.9	ESO 545-32 MCG -3-7-31 PGC 9666
NGC 967		Glxy SAB0-	13.5	ESO 545-31 MCG -3-7-30 PGC 9654
NGC 966		Glxy SA0^ pec:	14.3	ESO 545-30 MCG -3-7-29 PGC 9626
NGC 960		Glxy Sb:	14.5	MCG -2-7-28 PGC 9621
IC 233		Glxy Sc	14.8	CGCG 388-33 PGC 9610
IC 234		Glxy	15.3	MK 1045 CGCG 388-34 IRAS 2290-21 KUG 229-3 PGC 9613
NGC 961		Glxy		
IC 232		Glxy E	13.7	UGC 1994 MCG 0-7-28 CGCG 388-30 PGC 9588
NGC 963		Glxy Irr		IC 1808 PGC 9615
IC 1808		Non-Existent		MCG -1-7-17 PGC 9545
IC 231		Glxy S0:	14.6	UGC 1978 MCG 0-7-25 CGCG 388-26 PGC 9514
NGC 951		Glxy SB(r)ab:	15.5	ESO 479-8 MCG -4-7-1 PGC 9442
NGC 947		Glxy SA(r)c	13.2	ESO 545-21 MCG -3-7-22 IRAS 2262-1915 PGC 9420

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Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 929		Glxy Sa pec?	14.6	MCG -2-7-9 PGC 9334
NGC 944		Glxy S0+? sp	14.5	IC 228 PGC 9300 MCG -3-7-16 IRAS 2242-1444
IC 228		Non-Existent		NGC 944 MCG -3-7-16 IRAS 2242-1444 PGC 9300
NGC 921		Glxy SB(r)c?	14.5	MCG -3-7-15 PGC 9287
IC 224		Glxy Sbc	14.5	MCG -2-7-5 PGC 9148
NGC 907	H224-3	Glxy SBdm? sp	13.2	ESO 545-10 MCG -4-6-34 UGC A28 IRAS 2207-2056 PGC 9054
NGC 905		Glxy S0/a	16.5	PGC 9038
NGC 902		Glxy SB(rs)bc?	14.5	MCG -3-7-5 PGC 9021
IC 223		Glxy IB(s)m pec?	14	ESO 545-8 MCG -4-6-31 IRAS 2197-2058 PGC 8998
NGC 892		Glxy Sab?	15.7	ESO 478-26 PGC 8926
NGC 887	H486-3	Glxy SAB(rs)c	12.8	MCG -3-7-1 IRAS 2171-1617 PGC 8868
IC 220		Glxy Sbc	14.5	MCG -2-6-57 IRAS 2167-1300 PGC 8847
NGC 878		Glxy Sa?	14.6	ESO 478-22 MCG -4-6-21 IRAS 2156-2336 PGC 8771
NGC 867		Non-Existent		NGC 875
IC 1787		Non-Existent		IC 1787 IC 217 MCG -2-6-46 IRAS 2137-1209 PGC 8673
IC 1786		Glxy	15.5	CGCG 413-67 PGC 8662
NGC 874		Glxy Sab? pec	15.1	ESO 478-18 MCG -4-6-19 PGC 8663
IC 216		Glxy	15.7	CGCG 387-61 PGC 8650
NGC 872		Glxy SB(s)c?	14.5	ESO 544-32 MCG -3-6-19 PGC 8629
NGC 866		Non-Existent		
NGC 885		Non-Existent		
NGC 859		Non-Existent		NGC 856 PGC 8526 UGC 1713 MCG 0-6-54 CGCG 387-58
NGC 858		Glxy SB(rs)c?	14.3	ESO 478-13 MCG -4-6-16 IRAS 2102-2242 PGC 8451
NGC 853	H486-2	Glxy Sm pec?	13.5	MCG -2-6-38 IRAS 2092-932 KUG 209-95 PGC 8397
NGC 850	H259-3	Glxy SAB(s)0+	13.9	UGC 1679 MCG 0-6-49 CGCG 387-53 PGC 8369
NGC 851		Glxy SB0+:	14.5	UGC 1680 MCG 1-6-54 MK 588 CGCG 413-58 IRAS 2086+332 KUG 208+35 PGC 8368
IC 211		Glxy SAB(s)cd	13.9	UGC 1678 MCG 1-6-53 CGCG 413-57 IRAS 2085+337 KUG 208+36 PGC 8360
NGC 836		Glxy (R')SA(s)0+:	14.3	ESO 544-17 MCG -4-6-12 PGC 8304
NGC 840		Glxy SB(r)b	14.3	UGC 1664 MCG 1-6-49 CGCG 413-53 PGC 8293
NGC 837		Glxy Sb?	14.8	ESO 478-10 MCG -4-6-11 IRAS 2079-2239 PGC 8297
NGC 844		Glxy C	14	CGCG 413-52 PGC 8291
NGC 849		Glxy (R)S0?	15.3	ESO 478-9 PGC 8286
NGC 842		Glxy SAB(r)0?	13.6	MCG -1-6-55 MK 1023 KUG 207-80 PGC 8258
IC 207		Glxy S0+ pec sp	12.8	MCG -1-6-54 IRAS 2071-709 PGC 8251
NGC 831		Glxy Spiral	15.3	CGCG 413-49 KUG 206+58 PGC 8241
IC 206		Glxy Spiral	13.1	MCG -1-6-53 KUG 207-72 PGC 8238
IC 210		Glxy SBbc?	13.5	MCG -2-6-32 IRAS 2070-954 KUG 206-99B PGC 8232
IC 209		Glxy SB(r)bc:	13.9	MCG -1-6-51 IRAS 2064-717 PGC 8200
NGC 830		Glxy SB0-?	15	MCG -1-6-50 MK 1020 PGC 8201
NGC 829		Glxy SB(s)c pec?	14.4	MCG -1-6-49 IRAS 2062-801 KUG 206-80A PGC 8182
NGC 825		Glxy Sa	14.1	UGC 1636 MCG 1-6-45 CGCG 413-46 PGC 8173
IC 208		Glxy SAbc	14.2	UGC 1635 MCG 1-6-44 CGCG 413-45 PGC 8167
IC 203		Non-Existent		
IC 202		Glxy Sb	15.1	UGC 1610 MCG 1-6-43 CGCG 413-44 IRAS 2047+856 PGC 8101
IC 205		Glxy SB(s)a	14.5	UGC 1613 MCG 0-6-34 CGCG 387-38 PGC 8098

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Observed: No

Object	No	Her	Type	Mag	Alias/Notes
IC	204		Glxy	15.7	CGCG 387-39 PGC 8100
IC	201		Non-Existent		
IC	1781		Glxy S pec	15.2	CGCG 387-37 PGC 8067
NGC	811		Glxy SB(s)d:	14.3	MCG -2-6-24 KUG 202-103 PGC 7905
NGC	809		Glxy (R)S0+:	13.5	MCG -2-6-23 PGC 7889
IC	315		Glxy	15.1	CGCG 416-6 PGC 12364
NGC	1280		Glxy SA(rs)c:	14.1	UGC 2652 MCG 0-9-50 CGCG 390-51 IRAS 3154-21 PGC 12262
NGC	1254		Glxy SA0-:	15.1	MCG 0-9-33 CGCG 390-32 PGC 12052
NGC	1251		Non-Existent		
IC	307		Glxy (R)SB(r)a pec?	14.2	UGC 2600 MCG 0-9-27 CGCG 390-28 IRAS 3112-25 PGC 12017
IC	302		Glxy SB(rs)bc	13.6	UGC 2595 MCG 1-9-2 CGCG 416-4 IRAS 3102+431 KARA123 PGC 11972
NGC	583		Glxy SB(rs)0^	15.1	ESO 542-20 MCG -3-4-77 PGC 5576
IC	125		Glxy S	15.8	MCG -2-4-60 PGC 5560
IC	124		Non-Existent		(STAR)
NGC	570		Glxy (R')SB(rs)a:	13.7	UGC 1061 MCG 0-4-162 CGCG 385-159 PGC 5539
IC	123		Glxy	15.2	MCG 0-4-161 CGCG 385-157 ARAK49 UM105 PGC 5524
IC	121		Glxy Sbc	14.3	UGC 1053 MCG 0-4-159 CGCG 385-154 IRAS 1257+215 PGC 5492
IC	120		Glxy S0^:	15.2	CGCG 385-152 PGC 5484
IC	122		Non-Existent		
NGC	565		Glxy Sa:	14.4	UGC 1052 MCG 0-4-158 CGCG 385-153 PGC 5481
IC	119		Glxy (R')SB(r)0/a:	14.7	UGC 1047 MCG 0-4-157 CGCG 385-149 PGC 5465
IC	118		Glxy L		MCG -1-4-53 PGC 5446
NGC	558		Glxy E+? sp	15.3	CGCG 385-143 PGC 5425
IC	117		Non-Existent		
NGC	556		Glxy S0-: pec	15.4	ESO 476-13 PGC 5420
NGC	555		Glxy (R')SB(r)0/a:	15.1	ESO 476-12 MCG -4-4-14 PGC 5419
NGC	563		Non-Existent		NGC 539 PGC 5417 ESO 542-13 MCG -3-4-69 IRAS 1245-1853
NGC	554		Glxy S0 pec	14.8	ESO 476-11 MCG -4-4-13 PGC 5412
NGC	554B		Glxy SB0	13.8	
NGC	554A		Glxy LB	14	ESO 476-11A PGC 5413
NGC	540		Glxy SB(s)0:	15.7	ESO 542-12 PGC 5410
NGC	567		Glxy S0	14.3	MCG -2-4-53 PGC 5402
IC	116		Glxy Sc	14.5	MCG -1-4-49 PGC 5389
IC	1705		Glxy E	14.5	MCG -1-4-48 PGC 5377
NGC	550	H463-2	Glxy SB(s)a?	13.6	UGC 1021 MCG 0-4-146 CGCG 385-139 PGC 5374
IC	1703		Non-Existent		NGC 557
NGC	548		Glxy E+:	14.6	UGC 1010 MCG 0-4-141 CGCG 385-134 PGC 5326
NGC	539		Glxy SB(rs)c	14.2	NGC 563 PGC 5269 ESO 542-10 MCG -3-4-63 IRAS 1229-1825
IC	109		Glxy SB0	14.5	UGC 980 MCG 0-4-128 CGCG 385-117 PGC 5251
IC	1697		Glxy S?	14.7	UGC 976 MCG 0-4-125 CGCG 385-116 IRAS 1224+11 PGC 5238
IC	1694		Glxy S	14.9	CGCG 385-111 PGC 5221
IC	105		Glxy	15.5	CGCG 385-109 PGC 5206
IC	106		Non-Existent		UGC 965 MCG 0-4-119 MK 1154 CGCG 385-108 PGC 5210
IC	108		Glxy S0/a	16.5	MCG -2-4-41 PGC 5205
IC	103		Glxy S0-:	15	UGC 963 MCG 0-4-117 CGCG 385-107 PGC 5192

## Cetus - The Whale

Observed: No

Object	No	Her	Type	Mag	Alias/Notes
IC	104		Non-Existent		
IC	1693		Non-Existent		
IC	100		Glxy SAB0-:	14.1	MCG -1-4-30 PGC 5029
IC	99		Glxy Sc	16.1	MCG -2-4-34 PGC 4997
NGC	493	H594-3	Glxy SAB(s)cd: sp	12.9	UGC 914 MCG 0-4-99 CGCG 385-84 UM318 IRAS 1195+41 PGC 4979
NGC	487		Glxy SB(r)a:	14	MCG -3-4-56 PGC 4958
IC	1681		Glxy S?	14.7	UGC 894 MCG 0-4-97 CGCG 385-80 PGC 4916
NGC	481		Glxy SA(r)0- pec?	14.5	MCG -2-4-30 PGC 4899
IC	98		Glxy S	14.9	MCG -2-4-27 PGC 4869
NGC	480		Glxy Sa	16.8	PGC 4845
NGC	478		Glxy S pec	14.6	ESO 476-3 MCG -4-4-5 VV 398 IRAS 1177-2238 PGC 4803
IC	95		Glxy		
IC	1670		Non-Existent		
IC	1671		Non-Existent		IC 1671 IC 93 MCG -3-4-43 IRAS 1165-1719 PGC 4724
IC	93		Glxy Sb	13.2	IC 1671 IC 93 MCG -3-4-43 IRAS 1165-1719 PGC 4724
IC	1670B		Non-Existent		MCG -3-4-41 VV 779 PGC 4707
IC	1670A		Non-Existent		MCG -3-4-40 VV 779 IRAS 1163-1703 PGC 4711
IC	91		Glxy		
IC	1667		Non-Existent		
IC	90		Glxy E+	13.7	MCG -1-4-23 PGC 4606
NGC	448		Glxy S0- sp	13.1	UGC 801 MCG 0-4-60 CGCG 385-51 PGC 4524
NGC	445		Glxy S0 pec:	15.1	CGCG 385-47 PGC 4493
NGC	442		Glxy S0/a: sp	14.4	UGC 789 MCG 0-4-54 CGCG 385-41 IRAS 1121-116 PGC 4484
IC	88		Glxy I	16.1	MCG 0-4-49 PGC 4455
IC	87		Glxy SB?	15.3	MCG 0-4-48 CGCG 385-38 PGC 4454
NGC	435		Glxy SAB(s)d:	14.8	UGC 779 MCG 0-4-46 CGCG 385-35 PGC 4434
IC	1651		Non-Existent		
IC	86		Glxy S	14.7	
NGC	430	H447-2	Glxy E:	13.5	UGC 765 MCG 0-4-39 CGCG 385-29 PGC 4376
NGC	429	H593-3	Glxy S0^: sp	14.4	UGC 762 MCG 0-4-37 CGCG 385-27 PGC 4368
NGC	1042		Glxy SAB(rs)cd	11.6	MCG -2-7-54 IRAS 2379-838 PGC 10122
NGC	1033		Glxy SA(s)c:	14	MCG -2-7-53 PGC 10108
NGC	1038		Glxy (R')S0/a:	14.4	UGC 2158 MCG 0-7-76 CGCG 388-90 PGC 10096
IC	1827		Glxy Sa	14.6	UGC 2152 MCG 0-7-75 CGCG 388-89 PGC 10087
IC	244		Glxy Sc	15.3	MCG 0-7-74 CGCG 388-88 PGC 10061
NGC	1026		Glxy S0	13.6	UGC 2145 MCG 1-7-18 CGCG 414-33 PGC 10055
IC	1825		Glxy Scd:	14.6	UGC 2138 CGCG 414-31 IRAS 2362+853 KARA115 PGC 10031
IC	245		Glxy Sbc	14.5	MCG -3-7-46 IRAS 2365-1431 PGC 10032
NGC	1021		Glxy SAB(r)bc:	15	CGCG 388-84 PGC 10027
NGC	1020		Glxy S0 sp	15.1	CGCG 388-81 PGC 10018
IC	243		Glxy (R')SB(rs)0/a	14	IC 243 IC 242 MCG -1-7-26 PGC 10009
NGC	1019		Glxy SB(rs)bc	14.3	UGC 2132 MCG 0-7-68 CGCG 388-79 PGC 10006
IC	242		Non-Existent		IC 243 MCG -1-7-26 PGC 10009
NGC	1016		Glxy E	12.6	UGC 2128 MCG 0-7-67 CGCG 388-76 PGC 9997
NGC	1009		Glxy Sb sp	15.2	UGC 2129 MCG 0-7-65 CGCG 388-77 PGC 9995

## Cetus - The Whale

Observed: No

Object	No	Her	Type	Mag	Alias/Notes
NGC	1034		Glxy Irr	12.5	MCG -3-7-43 IRAS 2358-1601 PGC 9991
NGC	1015		Glxy SB(r)a:	13	UGC 2124 MCG 0-7-66 CGCG 388-75 PGC 9988
NGC	1018		Glxy (R')SB(r)0/a	14.5	MCG -2-7-48 PGC 9986
NGC	1037		Non-Existent		UGC 2119 MCG 0-7-61 CGCG 388-72 ANON 235-2 PGC 9973
NGC	1008		Glxy E	14.6	UGC 2114 MCG 0-7-60 CGCG 388-70 PGC 9970
IC	241		Glxy S?	14.3	UGC 2115 MCG 0-7-58 CGCG 388-71 PGC 9969
NGC	1007		Glxy Pec	16.8	MCG 0-7-59 CGCG 388-69 PGC 9967
NGC	1013		Glxy S0/a	14.5	MCG -2-7-46 PGC 9966
NGC	1017		Glxy Sm	14.9	MCG -2-7-47 KUG 235-112B PGC 9964
NGC	1014		Non-Existent		
NGC	1004		Glxy E+	13.7	UGC 2112 MCG 0-7-57 CGCG 388-68 PGC 9961
NGC	1011		Glxy Sa	15.1	MCG -2-7-45 PGC 9955
NGC	1010		Non-Existent		NGC 1006
NGC	1006		Glxy Sc	15.2	NGC 1010 PGC 9949 MCG -2-7-44 IRAS 2351-1114 KUG 235-112A
NGC	994		Non-Existent		NGC 993 PGC 9910 UGC 2095 MCG 0-7-52 CGCG 388-63
NGC	993		Glxy E-S0	13.7	
IC	1820		Glxy	15.4	CGCG 414-24 PGC 9866
IC	1822		Non-Existent		
NGC	276		Glxy SAB(r)b? pec	15.7	IC 1591 PGC 3054 ESO 474-34 MCG -4-3-21 IRAS 496-2257
IC	1591		Non-Existent		ESO 474-34 MCG -4-3-21 IRAS 496-2257 PGC 3054
IC	56A		Glxy SBm?	16.3	KAZ4 PGC 3035
IC	1588		Glxy S0	16.4	ESO 474-33 PGC 2965
IC	54		Non-Existent		
NGC	263		Glxy Sbc	14.5	MCG -2-3-21 PGC 2856
IC	1587		Glxy S0	15.6	ESO 474-31 MCG -4-3-15 PGC 2852
IC	1582		Glxy S	15.9	ESO 474-24 MCG -4-3-3 PGC 2701
NGC	244	H485-3	Glxy S0 pec?	13.7	MCG -3-3-3 UGC A10 VV 728 PGC 2675
IC	1577		Non-Existent		IC 1577 IC 48 MCG -1-3-1 IRAS 410-827 PGC 2603
IC	1574		Glxy IB(s)m	14.3	ESO 474-18 MCG -4-2-43 UGC A9 DDO226 PGC 2578
IC	47		Glxy		
NGC	235A		Glxy E0? pec	13.9	ESO 474-17 MCG -4-2-41 PGC 2570
NGC	235		Glxy S0 pec	14.1	ESO 474-16 PGC 2569
NGC	235B		Glxy E	14.5	ESO 474-16A MCG -4-2-42 PGC 2568
NGC	232		Glxy SB(r)a? pec	14.4	ESO 474-15 MCG -4-2-40 VV 830 IRAS 402-2350 PGC 2559
NGC	230		Glxy Sa? pec sp	15.6	ESO 474-14 MCG -4-2-37 IRAS 399-2354 PGC 2539
IC	44		Non-Existent		UGC 450 MCG 0-2-129 CGCG 383-74 PGC 2527
IC	1573		Glxy S	16.7	ESO 474-13 MCG -4-2-36 PGC 2521
NGC	216	H244-3	Glxy S0^? sp	13.7	ESO 540-15 MCG -4-2-35 PGC 2478
IC	42		Glxy SBc	16.1	MCG -3-2-36 PGC 2463
NGC	207		Glxy Sa	13.4	IC 41 MCG -3-2-35 IRAS 371-1430 PGC 2395
IC	41		Glxy Sa	13.4	MCG -3-2-35 IRAS 371-1430 PGC 2395
NGC	195		Glxy (R)SB(r)a:	14.2	MCG -2-2-79 IRAS 370-928 PGC 2391
NGC	187		Glxy SB(s)cd	13.3	MCG -3-2-34 IRAS 369-1455 PGC 2380
IC	40		Glxy S	15.1	UGC 413 MCG 0-2-106 CGCG 383-56 PGC 2376
IC	39		Non-Existent		MCG -2-2-78 IRAS 366-1426 8ZW34 PGC 2349

## Cetus - The Whale

Observed: No

Object	No	Her	Type	Mag	Alias/Notes
NGC	209		Glxy SA0- pec:	13.9	ESO 540-8 MCG -3-2-31 PGC 2338
NGC	191A		Non-Existent		
IC	38		Glxy Sbc	14.5	MCG -3-2-30 IRAS 361-1541 PGC 2311
IC	37		Glxy SBb	15.9	MCG -3-2-29 PGC 2299
IC	1562		Glxy SB(s)c	13.5	ESO 474-9 MCG -4-2-30 IRAS 360-2432 PGC 2308
IC	1560		Non-Existent		
NGC	165		Glxy SB(rs)bc	13.9	MCG -2-2-69 IRAS 339-1022 PGC 2182
NGC	163	H954-3	Glxy E0	13.6	MCG -2-2-66 PGC 2149
NGC	166		Glxy Sa	15.4	MCG -2-2-63 PGC 2143
NGC	161		Glxy S0 <sup>^</sup> :	14	IC 1557 MCG -1-2-36 PGC 2131
IC	1557		Glxy S0 <sup>^</sup> :	14	MCG -1-2-36 PGC 2131
NGC	167		Glxy SB(r)c?	14.3	ESO 473-29 MCG -4-2-22 IRAS 328-2339 PGC 2122
IC	1556		Non-Existent		
IC	1882		Glxy S?	14.9	UGC 2551 MCG 0-9-2 CGCG 390-3 PGC 11718
IC	1868		Glxy		
NGC	1142		Glxy Ring	12.8	
NGC	1141		Glxy		
IC	1863		Glxy C	15.7	MCG 1-8-15 CGCG 415-24 PGC 10997
NGC	1137		Glxy (R')SA(rs)b	13.2	UGC 2374 MCG 0-8-43 CGCG 389-42 IRAS 2514+245 PGC 10942
NGC	1128		Glxy		
IC	264		Non-Existent		
IC	263		Non-Existent		
NGC	1107		Glxy S0	13.5	UGC 2307 MCG 1-8-6 CGCG 415-13 PGC 10683
IC	1856		Glxy (R)SB(r)ab:	14.4	UGC 2291 MCG 0-8-21 CGCG 389-21 IRAS 2463-58 PGC 10647
NGC	1104		Glxy (R')SB(rs)0/a	14.5	UGC 2287 MCG 0-8-19 CGCG 389-20 IRAS 2461-28 PGC 10634
NGC	1101		Glxy S0	14	UGC 2278 MCG 1-8-3 CGCG 415-11 PGC 10613
IC	1849		Glxy E	15.4	MCG 1-8-2 CGCG 415-9 KARA118 PGC 10582
NGC	1095		Glxy SBc	14	UGC 2264 MCG 1-8-1 CGCG 415-8 IRAS 2450+425 PGC 10566
NGC	1094	H462-3	Glxy SAB(s)ab	13.4	UGC 2262 MCG 0-8-15 CGCG 389-16 IRAS 2449-29 PGC 10559
NGC	1085		Glxy SA(s)bc:	13.1	UGC 2241 MCG 0-8-10 CGCG 389-8 IRAS 2438+323 PGC 10498
IC	1844		Glxy Ia	15.1	MCG 0-8-7 CGCG 389-6 PGC 10448
IC	1843		Glxy SB(s)ab?	14	UGC 2228 MCG 0-8-4 CGCG 389-4 IRAS 2428+240 PGC 10429
NGC	1080		Glxy SAB(s)c:	14.1	MCG -1-8-3 IRAS 2426-455 PGC 10416
NGC	1078		Glxy E/S0	15.5	MCG -2-8-1 PGC 10362
IC	1840		Non-Existent		MCG -3-8-4 PGC 10333
NGC	1074		Glxy SAB(r)ab pec:	14.5	MCG -3-8-1 PGC 10324
NGC	1075		Glxy S0/a	14.9	MCG -3-8-2 IRAS 2412-1624 PGC 10320
IC	1837		Non-Existent		UGC 2208 MCG 0-7-88 CGCG 388-103 CGCG 389-1 IRAS 2409+5 PGC 10315
NGC	1076		Glxy SB0/a pec?	13.1	MCG -3-8-3 IRAS 2411-1457 PGC 10313
IC	1836		Glxy S	15.4	MCG 0-7-87 CGCG 388-102 PGC 10306
NGC	1071		Glxy SB(rs)a	15.3	MCG -2-7-77 PGC 10290
NGC	1069		Glxy SAB(s)c	14.5	MCG -1-7-38 IRAS 2405-829 PGC 10285
IC	1834		Glxy Sb	14.9	UGC 2189 MCG 0-7-85 CGCG 388-99 PGC 10267
NGC	1064		Glxy SB(s)c:	14.5	MCG -2-7-71 PGC 10249
NGC	1063		Glxy (R')SA(r)bc:	15.1	MCG -1-7-36 IRAS 2396-546 PGC 10232

## Cetus - The Whale

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 1065		Glxy E/S0	14.5	IC 254 MCG -3-7-59 PGC 10228
IC 254		Glxy E/S0	14.5	MCG -3-7-59 PGC 10228
IC 253		Glxy E/S0	14.5	MCG -3-7-58 PGC 10226
IC 252		Non-Existent		
IC 251		Glxy S	15.8	MCG -3-7-54 PGC 10184
NGC 1046	H229-3	Glxy S0-:	14.8	MCG 1-7-24 CGCG 414-39 PGC 10185
NGC 1044	H228-3	Glxy S0-: pec	14.4	MCG 1-7-23 CGCG 414-38 PGC 10174
NGC 1051		Non-Existent		NGC 961 PGC 10172 MCG -1-7-33 UGC A40
IC 249		Non-Existent		NGC 1051 MCG -1-7-33 UGC A40 PGC 10172
IC 250		Glxy SBab	15.1	MCG -2-7-64 PGC 10162
NGC 1043		Glxy Sb	15.8	CGCG 388-94 PGC 10155
NGC 1048B		Non-Existent		
NGC 1048A		Glxy SBb pec sp	14.5	
NGC 1047		Glxy S0+: sp	15.1	MCG -1-7-32 PGC 10132
IC 246		Glxy L	15.3	MCG 0-7-78 CGCG 388-93 PGC 10116
NGC 1041		Glxy S0- pec	13.1	MCG -1-7-30 PGC 10125
NGC 61		Non-Existent		
NGC 54		Glxy SB(r)a?	14.6	MCG -1-1-60 PGC 1011
IC 1528		Non-Existent		
IC 1533		Non-Existent		
NGC 58		Non-Existent		NGC 47 PGC 967 MCG -1-1-55 IRAS 119-726
NGC 34		Non-Existent		NGC 17
NGC 7826	H29-8	Non-Existent		

**Sub Total: 473**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
ARP 251B		Glxy		ARP 251B
IC 298		Glxy Ring A	14.3	MCG 0-9-15 CGCG 390-16 1ZW11 VV 787 ARP 147 PGC 11890
IC 283		Glxy Spiral	15	MCG 0-8-76 CGCG 389-69 KUG 301-3 PGC 11539
IC 277		Glxy SB(rs)bc	13.9	UGC 2460 MCG 0-8-64 MK 602 CGCG 389-60 IRAS 2572+234 KUG 257+25 PGC 11336
IC 273		Glxy SBa: sp	14.3	UGC 2425 MCG 0-8-52 CGCG 389-52 IRAS 2546+234 PGC 11156
IC 247		Glxy SB(rs)bc pec?	13.6	MCG -2-7-52 PGC 10100
IC 230		Glxy E/S0	15.5	MCG -2-7-16 PGC 9436
IC 225		Glxy E	14.5	UGC 1907 MCG 0-7-13 MK 1038 CGCG 388-16 KUG 223+9 PGC 9283
IC 219		Glxy E?	13.9	MCG -1-6-88 PGC 8813
IC 218		Glxy S	15.7	MCG 0-6-61 CGCG 387-66 PGC 8716
IC 1520		Glxy S?	14.5	MCG -2-1-7 PGC 73057 ARP 50
IC 298A		Glxy Ring B	15.5	MCG 0-9-16 UGC A57 IRAS 3087+107 PGC 11893 ARP 147
IC 217		Glxy Sc	13.6	IC 1787 IC 217 MCG -2-6-46 IRAS 2137-1209 PGC 8673
IC 215		Glxy Sab	13.4	MCG -1-6-76 IRAS 2116-702 PGC 8566
IC 214		Glxy Pec	14.7	UGC 1720 MCG 1-6-57 MK 1027 CGCG 413-64 IRAS 2114+456 KUG 211+49 PGC 8562
IC 194		Glxy Sb: sp	15.2	UGC 1542 MCG 0-6-26 CGCG 387-30 PGC 7812
IC 184		Glxy SB(r)a:	14.7	MCG -1-6-21 PGC 7554

## Cetus - The Whale

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 177		Glxy S0	15.3	CGCG 387-7 PGC 7326
IC 176		Glxy Sc:	14.7	UGC 1426 MCG 0-6-4 CGCG 387-5 PGC 7306
IC 168		Glxy Sa	15.5	MCG -2-5-58 PGC 6763
IC 164		Glxy E+:	13.5	MCG -1-5-37 PGC 6666
IC 80B		Glxy SA0- pec:	15.5	MCG -3-4-7 PGC 4074
IC 80		Glxy E	15.5	
IC 78		Glxy SA(rs)a pec:	13.8	MCG -3-4-10 PGC 4079
IC 77		Glxy S0	14.4	
IC 56		Glxy SAB(r)cd:	15.5	MCG -2-3-30 KAZ3 PGC 3014
IC 51		Glxy S0 pec?	13.4	MCG -2-3-11 ARP 230 IRAS 438-1342 PGC 2710
IC 50		Glxy E	14.5	MCG -2-3-10 PGC 2698
IC 2		Glxy Sb	14.3	MCG -2-1-31 IRAS 84-1306 PGC 778
IC 18		Glxy Sb	15.4	MCG -2-2-23 VV 234 ARP 100 8ZW25 PGC 1759
IC 19		Glxy E	15	MCG -2-2-24 MK 949 PGC 1762
IC 49		Glxy SAB(s)c	14.2	UGC 468 MCG 0-3-3 CGCG 384-3 PGC 2617
IC 48		Glxy S0	13.1	IC 1577 IC 48 MCG -1-3-1 IRAS 410-827 PGC 2603
CGCG 384-28		Glxy E	14.6	
ARP 251C		Glxy		ARP 251C
NGC 7807		Glxy S0	15.6	ESO 538-15 PGC 33
NGC 7808		Glxy (R')SA0^:	13.5	MCG -2-1-13 IRAS 9-1101 PGC 243
NGC 7821		Glxy Scd pec sp	14	MCG -3-1-19 IRAS 27-1645 PGC 367
NGC 7829		Glxy Ring A	14.6	MCG -2-1-24 VV 272 ARP 144 PGC 488
PGC 2647		Glxy Sc	14.5	MCG -2-3-5
PGC 2616		Glxy (R')Sc:	14.5	MCG -1-3-5
PGC 2610		Glxy S	15.5	MCG -1-3-4
PGC 2526		Glxy SB(s)cd? sp	14.3	ESO 540-16 MCG -3-2-41 ANON 39-18
PGC 2353		Glxy S0?	15.7	Hickson 6A
PGC 2351		Glxy E?	15.6	Hickson 6C
PGC 2350		Glxy S?	16	Hickson 6B
PGC 2347		Glxy S	17.6	Hickson 6D
PGC 2087		Glxy S	15.5	MCG -1-2-35
PGC 3344		Glxy		
PGC 3342		Glxy E	13.3	UGC 579 MCG 0-3-32 CGCG 384-34
PGC 3340		Glxy (R)SA(	15.2	
PGC 3317		Glxy C	15.4	CGCG 384-32
PGC 3312		Glxy E	14.9	UGC 570 MCG 0-3-29 CGCG 384-31
PGC 3305		Glxy		
PGC 3280		Glxy		
PGC 3273		Glxy Sbc	15.8	MCG 0-3-26 CGCG 384-29
PGC 3267		Glxy S	15.5	MCG 0-3-27
PGC 10360		Glxy	15.7	CGCG 415-5
PGC 10351		Glxy Sc	14.8	CGCG 415-4
PGC 10270		Glxy SBm pec?	15.4	MCG -2-7-75 IRAS 2403-1238 Hickson 19C
PGC 10269		Glxy S	17.1	Hickson 19D
PGC 10268		Glxy (R)SB(r)a pec?	15.6	MCG -2-7-74 Hickson 19B

## Cetus - The Whale

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 10262		Glxy S0- pec:	14.2	MCG -2-7-73 Hickson 19A
PGC 9904		Glxy Scd:	15.1	UGC 2092 MCG 1-7-14 CGCG 414-26 IRAS 2338+705
PGC 9454		Glxy Sab	15.8	MCG -2-7-20
PGC 9427		Glxy S	15.9	MCG -2-7-14
PGC 9113		Glxy SBc	15.3	MCG -1-7-7 VV 453 ARP 54 IRAS 2215-455
PGC 9107		Glxy	17.1	ARP 54
PGC 9103		Glxy	14	ESGC
PGC 8913		Glxy SB(s)m: sp	14.7	UGC 1803 MCG 1-7-2 CGCG 414-3 ANON 217+6
PGC 8802		Glxy S?	13.8	UGC 1775 MCG 1-6-62 CGCG 413-69 VV 362 ARP 10 IRAS 2158+525
PGC 8793		Glxy Sb-c	16	UGC 1774
PGC 8128		Glxy S0:	14.7	UGC 1624 MCG 0-6-40 CGCG 387-44 Hickson 15A
PGC 8117		Glxy S0-:	14.6	UGC 1620 MCG 0-6-38 CGCG 387-43 Hickson 15C
PGC 8116		Glxy Sbc	16.1	MCG 0-6-36 CGCG 387-42 Hickson 15F
PGC 8114		Glxy S0-:	15.3	UGC 1618 MCG 0-6-37 CGCG 387-42 Hickson 15D
PGC 8110		Glxy S0-:	15	UGC 1617 MCG 0-6-35 CGCG 387-41 ARAK75 Hickson 15B
PGC 8096		Glxy S0?	15.8	MCG 0-6-33 CGCG 387-40 ARAK74 Hickson 15E
PGC 7557		Glxy SAb pec?	14.9	MCG -1-6-22 IRAS 1573-719 Hickson 14B
PGC 7553		Glxy SA0^ pec	15.5	MCG -1-6-20 Hickson 14A
PGC 7550		Glxy L	17.1	MCG -1-6-19 Hickson 14C
PGC 7546		Glxy S	16.4	MCG -1-6-17 KUG 157-72 Hickson 14D
PGC 7244		Glxy Sbc: sp	14.7	ESO 477-16 MCG -4-5-19
PGC 6966		Glxy SA(s)c? sp	13.9	MCG -1-5-47 IRAS 1503-341
PGC 6859		Glxy Sb	14.8	MCG -2-5-65 IRAS 1489-839
PGC 6629		Glxy Sc	15.4	MCG -2-5-50A IRAS 1460-1238 ARP 4
PGC 6626		Glxy IAB(rs)m	13.7	MCG -2-5-50 DDO 14 ANON 0145-12 ARP 4
PGC 5736		Glxy S	16.5	MCG -1-5-4 Hickson 13C
PGC 5735		Glxy S?	15.6	MCG -1-5-3 Hickson 13B
PGC 5732		Glxy SA(s)b:	15.6	MCG -1-5-2 Hickson 13A
PGC 5439		Glxy E	16.6	Hickson 12B
PGC 5437		Glxy E?	15.1	MCG -1-4-52 Hickson 12A
PGC 5424		Glxy E	14.6	UGC 1030 MCG 0-4-150 CGCG 385-144
PGC 5381		Glxy L	16.8	Hickson 11D
PGC 5379		Glxy	15.3	MCG 0-4-147 CGCG 385-138
PGC 5365		Glxy S?	15.8	MCG -4-4-10 Hickson 11B
PGC 5362		Glxy SAB(rs)c	13.4	ESO 476-8 MCG -4-4-9 IRAS 1241-2329 Hickson 11A
PGC 5357		Glxy S	17	Hickson 11C
PGC 5335		Glxy	15.6	CGCG 385-135
PGC 5314		Glxy S?	14.1	MCG 0-4-140 CGCG 385-129
PGC 5313		Glxy S	16.3	MCG 0-4-139 CGCG 385-127
PGC 5307		Glxy S0	14.9	UGC 1003 CGCG 385-126
PGC 5306		Glxy		
PGC 5289		Glxy S0/a	14.9	UGC 996 CGCG 385-123
PGC 5288		Glxy	15.7	CGCG 385-122
PGC 5258		Glxy S0	14.6	UGC 984 MCG 0-4-129 CGCG 385-119
PGC 5228		Glxy S0/a	15	UGC 974 MCG 0-4-121 CGCG 385-114

## Cetus - The Whale

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 5216		Glxy S	15.8	MCG 0-4-120 CGCG 385-112
PGC 5176		Glxy		
PGC 5164		Glxy S?	15	MCG 0-4-116 CGCG 385-102
PGC 5145		Glxy S0	14.9	MCG 0-4-114 CGCG 385-100 ARAK40
PGC 5125		Glxy	15.6	CGCG 385-99
PGC 4906		Glxy SB(r)ab	14	UGC 892 MCG 0-4-95 CGCG 385-79 ARP 67
PGC 4904		Glxy L	15.2	MCG 0-4-94
PGC 4880		Glxy I	17.5	MCG 0-4-92
PGC 4109		Glxy		
PGC 4063		Glxy SB(s)d? sp	14.4	UGC 711 MCG 0-4-8 CGCG 385-5 ANON 106+1
PGC 4060		Glxy	15.1	MCG 0-4-7 CGCG 385-6
PGC 4033		Glxy Double System	15.5	UGC 701 MCG 0-4-5 CGCG 385-4
PGC 4026		Glxy		MCG 0-4-6
PGC 4006		Glxy S	15.5	MCG 0-4-2 CGCG 384-78 CGCG 385-1
PGC 4000		Glxy S	15.5	MCG 0-4-1
PGC 3991		Glxy SBb	15.5	UGC 694 MCG 0-3-76 CGCG 384-78 CGCG 385-1 IRAS 1049+154
PGC 3627		Glxy	15.3	MCG -2-3-64 VV 361 ARP 59
PGC 3553		Glxy S0	14.5	MCG -1-3-52 ARP 121
PGC 3547		Glxy Sa pec sp	14.5	MCG -1-3-51 ARP 121
PGC 3444		Glxy S?	14.6	UGC 595 MCG 0-3-41 CGCG 384-48
PGC 3435		Glxy SB(rs)cd pec	14.7	MCG -1-3-41
PGC 3414		Glxy		
PGC 3411		Glxy		
PGC 12550		Glxy S	17.3	Hickson 25G
PGC 12539		Glxy S?	15	UGC 2691 MCG 0-9-67 CGCG 390-69 Hickson 25B
PGC 12538		Glxy S0?	16.5	Hickson 25F
PGC 12533		Glxy S?	16	CGCG 390-70 Hickson 25C
PGC 12531		Glxy SAc pec:	14.6	UGC 2690 MCG 0-9-66 CGCG 390-68 IRAS 3181-117 Hickson 25A
PGC 12530		Glxy S	16.2	Hickson 25E
PGC 12524		Glxy S?	16.2	CGCG 390-67 Hickson 25D
PGC 11252		Glxy Sd	14.6	UGC 2441 MCG 1-8-29 CGCG 415-45 IRAS 2558+339
PGC 10391		Glxy Sb	15.5	MCG -3-8-7
PGC 10390		Glxy Sbc	15.5	MCG -3-8-6
PGC 3400		Glxy Sbc	15.1	UGC 587 MCG 0-3-38 CGCG 384-45
PGC 3392		Glxy S	15.6	MCG 0-3-37 CGCG 384-42
PGC 3372		Glxy Sb	15.6	MCG 0-3-36 CGCG 384-40
PGC 3364		Glxy C	15.5	CGCG 384-37
PGC 3360		Glxy		
PGC 3359		Glxy		
PGC 3357		Glxy Sa	15.5	MCG 0-3-33 CGCG 384-36 ARAK21
PGC 3350		Glxy		
PGC 3266		Glxy Compact	15.1	UGC 568 MCG 0-3-25 CGCG 384-27
PGC 3201		Glxy S?	15.3	MCG -4-3-28 IRAS 518-2349 Hickson 9A
PGC 3200		Glxy S	16.8	MCG -4-3-27 Hickson 9C
PGC 3198		Glxy S	16.7	Hickson 9D

## Cetus - The Whale

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 3196		Glxy S0?	15.8	Hickson 9B
PGC 3163		Glxy E?	15.5	MCG -2-3-37 VV 674 ARP 251 IRAS 512-1407
PGC 2805		Glxy SBd pec sp	14.4	MCG -2-3-16 UGC A14 ANON 45-10
PGC 2800		Glxy (R')SBb:	14.3	MCG -2-3-15 IRAS 452-1006
PGC 2064		Glxy S0?	15.6	Hickson 3B
PGC 2059		Glxy S	16.5	MCG -1-2-32 IRAS 318-752 Hickson 3C
PGC 2057		Glxy E?	15.8	Hickson 4D
PGC 2051		Glxy S0?	15.8	Hickson 4C
PGC 2047		Glxy (R')SB(r)bc	13.7	ESO 540-1 MCG -4-2-18 IRAS 317-2142 Hickson 4A
PGC 2046		Glxy (R')SB(r)b: pec	15.6	ESO 540-2 MCG -4-2-19 Hickson 4B
PGC 2045		Glxy S?	15.5	Hickson 3A
PGC 1013		Glxy Sab	15	ESO 473-4 MCG -4-1-25
PGC 1012		Glxy Sbc	15.5	MCG -4-1-24
PGC 991		Glxy SB(rs)ab	15	ESO 473-2 MCG -4-1-22 IRAS 124-2421
PGC 972		Glxy	15.2	MCG -1-1-56
PGC 971		Glxy S0	14.5	MCG -1-1-57
PGC 510		Glxy Ring A	16.3	ANON 4-6A
PGC 509		Glxy Ring B	16.3	ANON 4-6B
PGC 475		Glxy	15	ESGC
PGC 219		Glxy S?	14	MCG -2-1-12
PGC 2043		Glxy E?	15.8	Hickson 3D
PGC 2040		Glxy S?	16.5	Hickson 4E
PGC 1875		Glxy S0/a	15.7	MCG -2-2-31
PGC 1866		Glxy	16.4	Kaz 356
PGC 1865		Glxy	16.3	Kaz 357
PGC 1224		Glxy SB(s)b pec?	14.8	MCG -2-1-51 VV 352 ARP 256 8ZW18
PGC 1221		Glxy SB(s)c pec	13.6	MCG -2-1-52 VV 352 ARP 256 IRAS 163-1039 8ZW18
PGC 1029		Glxy S0	14.9	ESO 473-6 MCG -4-1-27 IRAS 128-2420
PGC 1016		Glxy S	14.6	ESO 473-5
NGC 7828		Glxy Ring B	14.4	MCG -2-1-25 VV 272 ARP 144 IRAS 38-1341 PGC 483
NGC 7813		Glxy Sb	14.5	IC 5384 PGC 287 MCG -2-1-16 MK 936 IRAS 15-1215
IC 1529		Glxy (R')SA(r)0^ p	13.7	MCG -2-1-19 PGC 364
IC 1575A		Glxy S		MCG -1-3-2 VV 642 ARP 231 PGC 2602
IC 1575B		Glxy S		MCG -1-3-3 VV 642 ARP 231 PGC 2601
IC 1571		Glxy Sb	14.5	UGC 432 MCG 0-2-121 CGCG 383-66 PGC 2440
IC 1600		Glxy S	15.6	ESO 474-43 MCG -4-3-31 PGC 3253
IC 1622		Glxy S?	14.6	ESO 541-22 MCG -3-4-1 PGC 3997
IC 1623A		Glxy S pec:	14.5	MCG -3-4-3 ARP 236 PGC 4007
IC 1696		Glxy E+	14.6	UGC 973 MCG 0-4-122 CGCG 385-113 PGC 5231
IC 1873		Glxy S0?	15.2	MCG 1-8-39 CGCG 415-57 VV 383 PGC 11541
IC 1869		Glxy	15.6	CGCG 415-44 PGC 11224
IC 1867		Glxy L	14.6	UGC 2400 MCG 1-8-19 CGCG 415-29 PGC 11070
IC 1865		Glxy Sbc	14.7	UGC 2391 MCG 1-8-17 CGCG 415-26 PGC 11035
IC 1756		Glxy Scd:	15.3	UGC 1429 MCG 0-6-5 CGCG 387-8 IRAS 1545-42 PGC 7328
IC 1741		Glxy S0/a	14.5	MCG -3-5-23 PGC 6900

## Cetus - The Whale

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC	1623B	Glxy L	15.5	MCG -3-4-4 ARP 236 PGC 4009
IC	1623	Glxy Irr	14.3	ESO 541-23 VV 114 ARP 236 IRAS 1053-1746 PGC 4008
NGC	142	Glxy SB(s)b? pec	14.6	ESO 473-21 MCG -4-2-14 IRAS 286-2253 PGC 1901
NGC	50	Glxy S0- pec	12.4	MCG -1-1-58 PGC 983
NGC	47	Glxy SBbc	13.1	NGC 58
NGC	45	Glxy SA(s)dm	11.3	ESO 473-1 MCG -4-1-21 UGC A4 DDO223 IRAS 115-2327 PGC 930
NGC	35	Glxy Sb	13.3	MCG -2-1-33 IRAS 86-1217 PGC 784
NGC	17	Glxy Pec	13.8	NGC 34 PGC 781 MCG -2-1-32 MK 938 VV 850 IRAS 85-1223
MCG	-3-4-12	Glxy S	15.5	
MAC	0255-0009	Glxy	15.5	
MAC	0237+0716	Glxy	17	
MAC	0223-0443	Glxy	16.5	
MAC	0212+0510	Glxy	16	
MAC	0207+0208	Glxy	17	
MAC	0151-0403	Glxy	16	
MAC	0151-0402	Glxy	15	
MAC	0132-1209	Glxy	16.5	
MAC	0127-0131A	Glxy	16	
MAC	0127-0131	Glxy	16.5	
MAC	0127-0115B	Glxy	16	
MAC	0127-0115A	Glxy	15.5	
MAC	0126-0150	Glxy	15.5	
MAC	0126-0149	Glxy	16.5	
MAC	0126-0147	Glxy	15	
MAC	0126-0134	Glxy	15.5	
MAC	0126-0130	Glxy	15.5	
MAC	0126-0118	Glxy	16	
MAC	0126-0116	Glxy	16	
MAC	0125-0151	Glxy	16	
MAC	0125-0144	Glxy	16.5	
MAC	0125-0122D	Glxy	16.5	
MAC	0125-0122A	Glxy	15.5	
MAC	0125-0117	Glxy	16	
MAC	0125-0116A	Glxy	15.5	
MAC	0125-0111	Glxy	15.5	
MAC	0125-0110	Glxy	16.5	
MAC	0125-0105	Glxy	16.5	
MAC	0124-0138	Glxy	16	
MAC	0124-0133	Glxy	16	
MAC	0124-0131	Glxy	16.5	
MAC	0124-0115	Glxy	16	
MAC	0124-0111	Glxy	16	
MAC	0124-0110	Glxy	16	
MAC	0123-0137	Glxy	15.5	
MAC	0123-0118	Glxy	15.5	

## Cetus - The Whale

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC 0121-0033A		Glxy	16	
MAC 0121-0028		Glxy	16	
MAC 0109-1541		Glxy	16.5	
MAC 0109-1539A		Glxy	16	
MAC 0109-1539		Glxy	15.5	
MAC 0109-1536		Glxy	16	
MAC 0109-1534		Glxy	16.5	
MAC 0109-1533B		Glxy	16	
MAC 0109-1532B		Glxy	16	
MAC 0109-1531		Glxy	16.5	
MAC 0109-1521B		Glxy Sb	15.5	
MAC 0108-1729		Glxy	16	
MAC 0108-1551		Glxy	15	
MAC 0108-1541		Glxy	16	
MAC 0108-1539B		Glxy	15.5	
MAC 0108-1538		Glxy	15	
MAC 0108-1537C		Glxy	16	
MAC 0108-1537B		Glxy	16	
MAC 0108-1537A		Glxy	16	
MAC 0108-1536		Glxy	16.5	
MAC 0108-1534		Glxy	15.5	
MAC 0108-1532		Glxy	16.5	
MAC 0108-1530C		Glxy	16	
MAC 0108-1530B		Glxy	16	
MAC 0108-1530A		Glxy	16	
MAC 0108-1529A		Glxy	15.5	
MAC 0108-1526B		Glxy	15.5	
MAC 0108-1525B		Glxy	16	
MAC 0108-1524F		Glxy	16	
MAC 0108-1524E		Glxy	15.5	
NGC 762	H464-3	Glxy (R')SB(rs)a	14.3	MCG -1-6-6 MK 1012 PGC 7322
NGC 755	H265-3	Glxy SB(rs)b?	13.1	NGC 763 PGC 7262 MCG -2-6-5 IRAS 1538-918 KUG 153-93
NGC 748	H193-3	Glxy (R')SA(r)b?	13.4	MCG -1-6-4 IRAS 1538-442 PGC 7259
NGC 747		Glxy Sb:	14.8	MCG -2-6-7 PGC 7366
NGC 731	H266-3	Glxy E+:	13	NGC 757 PGC 7118 MCG -2-5-73
NGC 725		Glxy Sc	14.5	MCG -3-5-25 PGC 6950
NGC 720	H105-1	Glxy E5	11.2	MCG -2-5-68 PGC 6983
NGC 707		Glxy (R')SAB(s)0-:	14.5	MCG -2-5-63 PGC 6861
NGC 702	H192-3	Glxy SB(s)bc pec	13.9	MCG -1-5-43 ARP 75 PGC 6852
NGC 701	H62-1	Glxy SB(rs)c	12.8	MCG -2-5-60 IRAS 1485-957 PGC 6826
NGC 682	H501-2	Glxy SA0-	13.5	MCG -3-5-22 PGC 6663
NGC 681	H481-2	Glxy SAB(s)ab sp	12.8	MCG -2-5-52 IRAS 1467-1040 PGC 6671
NGC 636	H283-2	Glxy E3	12.4	MCG -1-5-13 PGC 6110
NGC 615	H282-2	Glxy SA(rs)b	12.5	MCG -1-5-8 IRAS 1325-735 PGC 5897
NGC 601	H473-2	Glxy SAB0- pec:	14.5	NGC 599 PGC 5778 MCG -2-5-5 MK 1000 ARP 4

## Cetus - The Whale

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 596	H4-2	Glxy E+ pec:	11.8	MCG -1-5-5 PGC 5766
NGC 584	H100-1	Glxy E4	11.4	IC 1712 PGC 5663 MCG -1-4-60
NGC 578		Glxy SAB(rs)c	11.4	ESO 476-15 MCG -4-4-20 UGC A18 IRAS 1280-2255 PGC 5619
NGC 564	H442-3	Glxy E	13.5	UGC 1044 MCG 0-4-154 CGCG 385-148 PGC 5455
NGC 560	H441-3	Glxy S0^ sp	14	UGC 1036 MCG 0-4-151 CGCG 385-145 PGC 5430
NGC 557		Glxy SB(rs)0+ pec:	14.5	IC 1703 PGC 5351 UGC 1016 MCG 0-4-144 CGCG 385-136
NGC 547	H449-2	Glxy E1	13.2	UGC 1009 MCG 0-4-143 CGCG 385-133 ARP 308 PGC 5324
NGC 545	H448-2	Glxy SA0-	13.2	UGC 1007 MCG 0-4-142 CGCG 385-132 ARAK45 ARP 308 PGC 5323
NGC 543		Glxy S0-: sp	14.1	MCG 0-4-138 CGCG 385-130 PGC 5311
NGC 541		Glxy S0-:	13	UGC 1004 MCG 0-4-137 CGCG 385-128 ARP 133 PGC 5305
NGC 538		Glxy SB(s)ab:	14.6	UGC 991 MCG 0-4-130 CGCG 385-120 PGC 5275
NGC 535		Glxy S0+ sp	14.8	UGC 997 MCG 0-4-133 CGCG 385-124 PGC 5282
NGC 533	H462-2	Glxy E3:	12.4	UGC 992 MCG 0-4-131 CGCG 385-121 PGC 5283
NGC 530		Glxy SB0+ sp	14	IC 106 PGC 5210 UGC 965 MCG 0-4-119 MK 1154 CGCG 385-108
NGC 521	H461-2	Glxy SB(r)bc	12.6	UGC 962 MCG 0-4-118 CGCG 385-106 IRAS 1219+128 PGC 5190
NGC 519		Glxy E+?	15.3	CGCG 385-103 PGC 5182
NGC 497		Glxy SB(rs)bc:	13.8	UGC 915 MCG 0-4-100 CGCG 385-85 ARP 8 PGC 4992
NGC 450	H440-3	Glxy SAB(s)cd:	12.2	UGC 806 MCG 0-4-62 CGCG 385-52 UM311 IRAS 1129-107 PGC 4540
NGC 428	H622-2	Glxy SAB(s)m	11.9	UGC 763 MCG 0-4-36 CGCG 385-28 IRAS 1103+43 PGC 4367
NGC 357	H434-2	Glxy SB(r)0/a:	12	MCG -1-3-81 PGC 3768
NGC 341		Glxy SAB(r)bc	15.5	MCG -2-3-63 MK 968 VV 361 ARP 59 IRAS 582-927 PGC 3620
NGC 337	H433-2	Glxy SB(s)d	12.1	MCG -1-3-53 IRAS 573-750 PGC 3572
NGC 331		Glxy SBc	15.5	MCG -1-3-39 PGC 3406
NGC 329		Glxy Sb: sp	13.3	MCG -1-3-48 PGC 3467
NGC 327		Glxy SB(s)bc:	13.4	MCG -1-3-47 PGC 3462
NGC 325		Glxy Sb	15	MCG -1-3-43 PGC 3443
NGC 321		Glxy	15.7	MCG -1-3-41 PGC 3435
NGC 309		Glxy SAB(r)c	12.5	MCG -2-3-50 IRAS 542-1010 PGC 3377
NGC 277		Glxy S0-	13.5	MCG -2-3-28 PGC 2995
NGC 275		Glxy SB(rs)cd pec	13.2	MCG -1-3-22 VV 81 ARP 140 IRAS 485-720 PGC 2984
NGC 274	H429-3	Glxy SAB(r)0- pec	12.8	MCG -1-3-21 VV 81 ARP 140 PGC 2980
NGC 273	H430-3	Glxy S0 sp	13.9	MCG -1-3-19 PGC 2959
NGC 271	H446-2	Glxy (R')SB(rs)ab	12.9	UGC 519 MCG 0-3-12 CGCG 384-13 IRAS 481-210 PGC 2949
NGC 270	H955-3	Glxy S0+	12.9	MCG -2-3-27 PGC 2938
NGC 268	H463-3	Glxy SB(s)bc:	13.6	MCG -1-3-17 IRAS 476-527 PGC 2927
NGC 259	H621-2	Glxy Sbc: sp	13.3	MCG -1-3-15 IRAS 455-302 PGC 2820
NGC 255	H472-2	Glxy SAB(rs)bc	11.8	MCG -2-3-17 IRAS 452-1144 PGC 2802
NGC 247	H20-5	Glxy SAB(s)d	9.1	ESO 540-22 MCG -4-3-5 UGC A11 IRAS 446-2101 PGC 2758
NGC 245	H445-2	Glxy SA(rs)b pec?	13	UGC 476 MCG 0-3-5 MK 555 CGCG 384-4 UM274 IRAS 435-159 PGC 2691
NGC 239		Glxy (R')Sab	14.8	MCG -1-3-7 IRAS 420-401 PGC 2642
NGC 237		Glxy SAB(rs)cd	13.7	UGC 461 MCG 0-2-136 CGCG 383-79 IRAS 408-23 KARA33 PGC 2597
NGC 227	H444-2	Glxy S0- pec:	13.1	UGC 456 MCG 0-2-135 CGCG 383-76 PGC 2547
NGC 223		Glxy (R')SB(r)0/a:	14.2	IC 44 PGC 2527 UGC 450 MCG 0-2-129 CGCG 383-74
NGC 219		Glxy cE?	15.3	MCG 0-2-128 CGCG 383-73 PGC 2522
NGC 217	H480-2	Glxy S0/a: sp	13.5	MCG -2-2-85 IRAS 390-1017 PGC 2482

## Cetus - The Whale

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 210	H452-2	Glxy SAB(s)b	11.6	MCG -2-2-81 IRAS 380-1408 PGC 2437
NGC 201	H873-3	Glxy SAB(r)c	13.6	UGC 419 MCG 0-2-115 CGCG 383-59 IRAS 370+35 Hickson 7C PGC 2388
NGC 197		Glxy SB0^ pec	14.8	UGC 406 MCG 0-2-107 CGCG 383-53 Hickson 7D PGC 2365
NGC 196	H860-2	Glxy SB0 pec:	13.8	UGC 405 MCG 0-2-110 CGCG 383-53 VV 433 Hickson 7B PGC 2357
NGC 192	H872-3	Glxy (R')SB(r)a:	13.4	UGC 401 MCG 0-2-104 CGCG 383-51 IRAS 366+35 Hickson 7A PGC 2352
NGC 191	H479-2	Glxy SAB(rs)c: pec	14.1	MCG -2-2-77 ARP 127 PGC 2331
NGC 178		Glxy SB(s)m	13.1	IC 39 PGC 2349 MCG -2-2-78 IRAS 366-1426 8ZW34
NGC 171	H223-3	Glxy SB(r)ab	12.9	NGC 175 PGC 2232 ESO 540-6 MCG -3-2-24 VV 791A IRAS 348-2012
NGC 157	H3-2	Glxy SAB(rs)bc	11	MCG -2-2-56 PGC 2081
NGC 151	H478-2	Glxy SBbc	11.6	
NGC 145		Glxy SB(s)dm	13.2	MCG -1-2-27 ARP 19 IRAS 292-525 PGC 1941
NGC 144		Glxy Sc: pec	14.4	ESO 473-23 MCG -4-2-16 PGC 1917
NGC 143		Glxy SB(r)b? sp	15.2	ESO 473-22 MCG -4-2-15 PGC 1911
NGC 936	H23-4	Glxy SB(rs)0+	11.1	UGC 1929 MCG 0-7-17 CGCG 388-18 PGC 9359
NGC 934		Glxy SAB0-	14	UGC 1926 MCG 0-7-16 CGCG 388-17 PGC 9352
NGC 926		Glxy SB(rs)bc:	14	UGC 1901 MCG 0-7-11 CGCG 388-14 IRAS 2235-33 PGC 9256
NGC 908	H153-1	Glxy SA(s)c	10.8	ESO 545-11 MCG -4-6-35 UGC A29 IRAS 2207-2127 PGC 9057
NGC 899		Glxy IB(s)m	13.1	ESO 545-7 MCG -4-6-30 UGC A26 IRAS 2195-2103 PGC 8990
NGC 895	H438-2	Glxy Sc	11.7	
NGC 894		Knt in Glxy SA(s)cd	12.3	NGC 895 PGC 8974 MCG -1-7-2 IRAS 2191-544
NGC 883	H437-2	Glxy SA(s)0-:	13.2	MCG -1-6-90 PGC 8841
NGC 881	H436-2	Glxy SAB(r)c	13.2	MCG -1-6-89 IRAS 2160-650 PGC 8822
NGC 880		Glxy S pec	16.6	PGC 8805
NGC 879		Glxy Irr	16.6	KUG 214-91 PGC 8705
NGC 875	H2-3	Glxy S0+	13.9	NGC 867 PGC 8718 UGC 1760 MCG 0-6-60 CGCG 387-65
NGC 873	H474-2	Glxy Sc pec:	13.2	MCG -2-6-48 IRAS 2140-1134 PGC 8692
NGC 868		Glxy S0-:	14.9	UGC 1748 CGCG 387-63 PGC 8659
NGC 864	H457-3	Glxy SAB(rs)c	11.4	UGC 1736 MCG 1-6-61 CGCG 413-66 IRAS 2128+546 KARA96 PGC 8631
NGC 863	H260-3	Glxy Sa	13	NGC 866 PGC 8586 UGC 1727 MCG 0-6-56 MK 590 CGCG 387-59 UM412 IRAS 2120-59 KUG 212-9
NGC 856		Glxy Sa	13.3	NGC 859
NGC 848		Glxy (R')SB(s)ab pec	13	MCG -2-6-36 MK 1026 ARP 318 IRAS 2078-1033 KUG 207-105 PGC 8299
NGC 839	H485-2	Glxy S0: pec sp	13.1	MCG -2-6-34 ARP 318 IRAS 2072-1025 Hickson 16D PGC 8254
NGC 838	H484-2	Glxy SA(rs)0^ pec:	13.1	MCG -2-6-33 MK 1022 ARP 318 IRAS 2071-1023 KUG 207-103 Hickson 16C PGC 8250
NGC 835	H483-2	Glxy SAB(r)ab: pec	12.1	MCG -2-6-31 MK 1021 ARP 318 IRAS 2069-1022 KUG 206-103 Hickson 16A PGC 8228
NGC 833	H482-2	Glxy (R')Sa: pec	12.7	MCG -2-6-30 ARP 318 Hickson 16B PGC 8225
NGC 827	H227-3	Glxy S?	13.7	UGC 1640 MCG 1-6-46 CGCG 413-47 IRAS 2062+744 PGC 8196
NGC 800		Glxy SA(rs)c:	13.7	UGC 1526 MCG 0-6-24 CGCG 387-28 IRAS 1596-21 PGC 7740
NGC 799		Glxy (R')SB(s)a:	13	UGC 1527 MCG 0-6-23 CGCG 387-29 PGC 7741
NGC 790	H433-3	Glxy SA(r)0^?	13.5	MCG -1-6-26 PGC 7677
NGC 788	H435-2	Glxy SA(s)0/a:	13	MCG -1-6-25 PGC 7656
NGC 779	H101-1	Glxy SAB(r)b	12	MCG -1-6-16 IRAS 1571-612 PGC 7544
NGC 773	H468-3	Glxy SAB(r)a pec	14	MCG -2-6-11 PGC 7486
NGC 768		Glxy SB(r)bc:	14	UGC 1457 MCG 0-6-16 CGCG 387-18 IRAS 1561+17 PGC 7465
NGC 767		Glxy SBb pec?	14.3	MCG -2-6-10 IRAS 1563-949 KUG 156-98 PGC 7483

## Cetus - The Whale

Observed: Yes

<b>Object</b>	<b>Her</b>	<b>Type</b>	<b>Mag</b>	<b>Alias/Notes</b>
MAC 0108-1524B		Glxy	16	
MAC 0108-1524A		Glxy	16	
MAC 0108-1523A		Glxy	16	
MAC 0108-1522A		Glxy	16	
MAC 0108-1521B		Glxy	16	
MAC 0108+0217		Glxy	16	
MAC 0108+0212D		Glxy	16	
MAC 0108+0212B		Glxy	16	
MAC 0108+0212A		Glxy	16	
MAC 0108+0211B		Glxy	16	
MAC 0108+0211A		Glxy	16	
MAC 0108+0210A		Glxy	16	
MAC 0108+0209C		Glxy	16.5	
MAC 0108+0209B		Glxy	15.5	
MAC 0108+0209A		Glxy	16.5	
MAC 0108+0204		Glxy	15.5	
MAC 0107-1521		Glxy	16	
MAC 0107+0222		Glxy	15	
MAC 0107+0215		Glxy	16	
MAC 0107+0213		Glxy	16	
MAC 0107+0211		Glxy	15.5	
MAC 0107+0207		Glxy	16	
MAC 0057-0123		Glxy	16	
MAC 0057-0122A		Glxy	16	
MAC 0057-0120		Glxy	16	
MAC 0057-0118		Glxy	16	
MAC 0057-0117		Glxy	16	
MAC 0056-0132B		Glxy	17	
MAC 0056-0123A		Glxy	16	
MAC 0056-0120A		Glxy	16.5	
MAC 0056-0116D		Glxy	16.5	
MAC 0056-0116A		Glxy	16	
MAC 0056-0115C		Glxy	16	
MAC 0056-0113B		Glxy	16	
MAC 0056-0110		Glxy	16	
MAC 0056-0109		Glxy	16	
MAC 0056-0108B		Glxy	16.5	
MAC 0056-0108A		Glxy	16.5	
MAC 0055-0121		Glxy	16	
MAC 0055-0118B		Glxy	15.5	
MAC 0055-0118A		Glxy	16.5	
MAC 0055-0115		Glxy	16	
MAC 0055-0114A		Glxy	16	
MAC 0055-0112A		Glxy	16.5	
MAC 0055-0109		Glxy	15.5	

## Cetus - The Whale

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC 0055-0104		Glxy	16.5	
MAC 0054-2331		Glxy	15.5	
MAC 0032-0506		Glxy	15	
MAC 0032-0505		Glxy	16	
MAC 0031-0508		Glxy	16	
MAC 0016-2354		Glxy	16	
MAC 0016-2352		Glxy	15.5	
MAC 0015-2356		Glxy	16	
MAC 0015-2354A		Glxy	16	
MAC 0015-2343		Glxy	18	
MAC 0015-2342		Glxy	16	
IC 1613		Glxy IB(s)m	9.9	UGC 668 MCG 0-3-70 DDO8 CGCG 384-68 IRAS 1025+153 PGC 3844
IC 1599		Glxy S	15.5	ESO 474-42 MCG -4-3-30 PGC 3210
IC 1563		Glxy S0 pec sp	13.6	MCG -2-2-76 ARP 127 PGC 2332
NGC 941	H261-3	Glxy SAB(rs)c	12.9	UGC 1954 MCG 0-7-22 CGCG 388-23 IRAS 2259-122 KUG 225-13 PGC 9414
NGC 942		Glxy S0+ pec:	12.2	MCG -2-7-18 VV 217 ARP 309 PGC 9458
NGC 948		Glxy SB(s)c:	14.2	MCG -2-7-15 PGC 9431
NGC 950		Glxy SB(rs)b:	14	MCG -2-7-21 PGC 9461
NGC 955	H278-2	Glxy Sab: sp	12.9	UGC 1986 MCG 0-7-27A CGCG 388-29 IRAS 2279-119 PGC 9549
NGC 1219		Glxy SA(s)bc:	13.8	UGC 2556 MCG 0-9-6 CGCG 390-6 IRAS 3058+154 KUG 305+19 PGC 11752
NGC 1218		Glxy S0/a	13.8	UGC 2555 MCG 1-9-1 CGCG 416-2 PGC 11749
NGC 1211		Glxy (R)SB(r)0/a	13.3	UGC 2545 MCG 0-8-93 CGCG 389-81 IRAS 3043-59 PGC 11670
NGC 1194		Glxy SA0+:	13.8	UGC 2514 MCG 0-8-78 CGCG 389-68 IRAS 3012-117 PGC 11537
NGC 1153	H274-2	Glxy S0+?	13.4	UGC 2439 MCG 0-8-59 CGCG 389-55 PGC 11230
NGC 1073	H455-3	Glxy SB(rs)c	11.5	UGC 2210 MCG 0-8-1 CGCG 389-2 IRAS 2411+109 PGC 10329
NGC 1070	H273-2	Glxy Sb	12.7	UGC 2200 MCG 1-7-26 CGCG 414-45 IRAS 2407+445 PGC 10309
NGC 1068		Glxy (R)SA(rs)b	9.6	M 77 KUG 13+310 PGC 10266
NGC 1055	H1-1	Glxy SBb: sp	11.4	UGC 2173 MCG 0-7-81 CGCG 388-95 IRAS 2391+13 PGC 10208
NGC 1052	H63-1	Glxy E4	10.4	MCG -1-7-34 IRAS 2386-828 PGC 10175
NGC 1048		Glxy S0+? sp	14.5	MCG -2-7-62 PGC 10140
NGC 1045	H488-2	Glxy SA0- pec?	12.9	MCG -2-7-59 PGC 10129
NGC 1035	H284-2	Glxy SA(s)c?	12.9	MCG -1-7-27 IRAS 2370-820 PGC 10065
NGC 1032	H5-2	Glxy S0/a sp	12.6	UGC 2147 MCG 0-7-73 CGCG 388-86 PGC 10060
NGC 1090	H465-2	Glxy SB(rs)bc	12.5	UGC 2247 MCG 0-8-11 CGCG 389-11 IRAS 2440-27 PGC 10507
NGC 1087	H466-2	Glxy SAB(rs)c	11.5	UGC 2245 MCG 0-8-9 CGCG 389-10 IRAS 2438-42 PGC 10496
NGC 1022	H102-1	Glxy (R)SB(s)a	12.1	MCG -1-7-25 IRAS 2360-653 PGC 10010
NGC 998		Glxy S	15.6	MCG 1-7-15 CGCG 414-28 PGC 9934
NGC 997		Glxy E	14.6	UGC 2102 MCG 1-7-16 CGCG 414-27 IRAS 2345+705 PGC 9932
NGC 991	H434-3	Glxy SAB(rs)c	12.4	MCG -1-7-23 IRAS 2330-722 PGC 9846
NGC 958	H237-2	Glxy SB(rs)c:	12.9	MCG -1-7-19 IRAS 2281-309 PGC 9560
NGC 945	H487-2	Glxy SB(rs)c	12.8	MCG -2-7-13 IRAS 2261-1045 PGC 9426
NGC 1149		Glxy S0-:	15	MCG 0-8-58 CGCG 389-54 PGC 11170
NGC 1144		Glxy Ring B	13.8	PGC 11012 UGC 2389 MCG 0-8-48 CGCG 389-46 VV 331 ARP 118 IRAS 2526-23
NGC 1143		Glxy Ring A	14.1	PGC 11007 UGC 2388 MCG 0-8-47 VV 331 ARP 118
NGC 943		Glxy I0? pec	12.4	MCG -2-7-19 VV 217 ARP 309 PGC 9457

## Cetus - The Whale

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
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**Sub Total: 466****Total: 939**

## Chamaeleon - The Chamaeleon

Observed: No

Object	Her	Type	Mag	Alias/Notes
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NGC 2915		Glxy IO	13.3	ESO 37-3 IRAS 9265-7624 PGC 26761
IC 2631		Nebula E		
NGC 3620		Glxy (R')SB(s)ab pec	15.3	ESO 38-10 IRAS 11143-7556 PGC 34366
IC 2884		Non-Existent		(STAR)
IC 3104		Glxy IB(s)m:	13.6	ESO 20-4 PGC 39573
NGC 3195		PI Neb 3	11.5	
NGC 3149		Glxy (R)SA(rs)b:	13.1	ESO 19-1 IRAS 10043-8010 PGC 29171

**Sub Total: 7****Total: 7**

## Circinus - The Compasses

Observed: No

Object	Her	Type	Mag	Alias/Notes
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NGC 5288		Open Cl II 1 p	11.8	
NGC 5359		Open Cl cluster?		
NGC 5823		Open Cl 13.0 II 2 r	7.9	
NGC 5715		Open Cl 11.0 III 2 m	9.8	
NGC 5315		PI Neb 2	9.8	

**Sub Total: 5****Total: 5**

## Cancer - The Crab

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 488		Non-Existent		(STAR)
IC 2260		Non-Existent		
IC 2262		Non-Existent		
IC 2259		Non-Existent		
IC 2258		Non-Existent		(STAR)
IC 2257		Non-Existent		
IC 2255		Non-Existent		(STAR)
IC 2252		Non-Existent		
IC 2251		Non-Existent		
IC 2249		Non-Existent		
IC 2281		Non-Existent		
IC 2280		Non-Existent		(STAR)
IC 2279		Non-Existent		
IC 2278		Non-Existent		
IC 2277		Non-Existent		
IC 2276		Non-Existent		
IC 2275		Non-Existent		(STAR)
IC 2274		Non-Existent		(STAR)
IC 2273		Non-Existent		(STAR)
NGC 2843	H64-3	Glxy		PGC 26414
NGC 2824		Glxy S0	14.2	UGC 4933 MCG 4-22-31 MK 394 CGCG 121-57 IRAS 9160+2628 PGC 26330
NGC 2819		Glxy E	13.8	UGC 4924 MCG 3-24-40 CGCG 91-62 PGC 26274
NGC 2813		Glxy S0	14.5	UGC 4916 MCG 3-24-37 CGCG 91-61 PGC 26252
NGC 2812		Glxy S0/Sb	15.9	CGCG 91-60 PGC 26242
IC 2457		Non-Existent		
NGC 2807A		Glxy S0	15	
IC 2455		Non-Existent		
NGC 2801		Glxy SA(s)c	14.7	UGC 4899 MCG 3-24-25 CGCG 91-46 PGC 26183
NGC 2803	H63-3	Glxy S?	15.1	UGC 4898 MCG 3-24-27 CGCG 91-44 PGC 26181
NGC 2796	H296-3	Glxy Sa?	14.6	UGC 4893 MCG 5-22-29 CGCG 151-42 PGC 26178
NGC 2802	H62-3	Glxy S?	15.3	UGC 4897 MCG 3-24-26 CGCG 91-44 PGC 26177
NGC 2797		Glxy Pec	14.5	UGC 4891 MCG 3-24-23 CGCG 91-42 IRAS 9135+1756 PGC 26160
NGC 2795		Glxy E	13.8	UGC 4887 MCG 3-24-20 CGCG 91-39 PGC 26143
NGC 2794		Glxy SB?	14	UGC 4885 MCG 3-24-18 CGCG 91-37 PGC 26140
IC 2454		Glxy Sa?	14.1	UGC 4886 MCG 3-24-19 CGCG 91-38 IRAS 9132+1801 PGC 26139
IC 2452		Glxy	15.6	CGCG 121-47 PGC 26129
IC 2453		Glxy Sab	15.4	MK 1229 CGCG 121-46 IRAS 9130+2108 PGC 26131
IC 2451		Glxy	15.7	CGCG 121-45 PGC 26119
IC 2450		Non-Existent		
IC 530		Glxy Sab	14	UGC 4880 MCG 2-24-3 CGCG 62-10 IRAS 9125+1205 KARA319 PGC 26101
IC 2449		Non-Existent		
NGC 2790		Glxy Sc	15.4	MCG 3-24-16 MK 1228 CGCG 91-34 ARAK198 IRAS 9122+1954 PGC 26092
NGC 2791		Glxy	15.6	CGCG 91-33 PGC 26088
NGC 2789		Glxy S0/a	13.2	UGC 4875 MCG 5-22-26 CGCG 151-35 IRAS 9120+2956 PGC 26089
NGC 2786		Glxy		

## Cancer - The Crab

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 2783A		Non-Existent		NGC 2783
IC 2446		Glxy Sa	14.6	UGC 4855 MCG 5-22-15 CGCG 151-25 IRAS 9105+2909 PGC 26002
IC 2447		Non-Existent		
IC 2445		Glxy SB?	15.1	UGC 4854 MCG 5-22-13 CGCG 151-24 PGC 25985
IC 2443		Glxy S?	15	MCG 5-22-11 CGCG 151-19 PGC 25908
NGC 2777		Glxy Sab?	14.2	UGC 4823 MCG 1-24-6 CGCG 34-8 IRAS 9080+724 PGC 25876
NGC 2774	H61-3	Glxy S	14.7	MCG 3-24-4 CGCG 91-15 PGC 25879
IC 2442		Glxy S	15.1	MCG 4-22-21 CGCG 121-31 PGC 25843
IC 2441		Glxy	15.3	MCG 4-22-20 CGCG 121-30 VV 707 PGC 25844
NGC 2773		Glxy S?	15	UGC 4815 MCG 1-24-4 CGCG 34-5 IRAS 9070+722 PGC 25825
NGC 2766		Glxy Sab	14.5	UGC 4801 MCG 5-22-9 CGCG 151-14 PGC 25735
IC 2439		Glxy S0?	14.8	MCG 6-20-32 CGCG 180-43 PGC 25719
NGC 2761		Glxy Sm	14.9	MCG 3-23-41 CGCG 91-1 CGCG 90-77 IRAS 9047+1838 KARA302 PGC 25638
NGC 2753		Glxy	15.4	MCG 4-22-15 CGCG 121-20 PGC 25603
IC 2435		Glxy E	15.3	UGC 4782 MCG 4-22-14 CGCG 121-19 ARAK194 PGC 25571
NGC 2750	H291-3	Glxy SABc	12.6	UGC 4769 MCG 4-22-12 CGCG 121-17 VV 541 IRAS 9028+2538 PGC 25525
NGC 2752		Glxy SBb: sp	14.5	UGC 4772 MCG 3-23-38 CGCG 90-72 IRAS 9028+1832 PGC 25523
NGC 2751		Glxy Sbc	15	MCG 3-23-37 CGCG 90-71 PGC 25517
IC 2433		Glxy S	15.3	MCG 4-22-10 CGCG 121-16 PGC 25514
NGC 2747		Glxy	15.5	CGCG 90-70 PGC 25507
NGC 2743	H608-3	Glxy Sdm:	14.2	UGC 4760 MCG 4-22-9 CGCG 121-13 IRAS 9019+2512 PGC 25496
NGC 2745		Glxy C	15.4	CGCG 90-64 PGC 25478
NGC 2744	H60-3	Glxy SB(s)ab: pec	13.9	UGC 4757 MCG 3-23-31 CGCG 90-65 VV 612 IRAS 9018+1839 PGC 25480
NGC 2744A		Glxy P	15.7	
IC 2431		Glxy Quad System	14.6	UGC 4756 MCG 3-23-30 MK 1224 CGCG 90-63 VV 645 IRAS 9018+1447 PGC 25476
IC 2430		Glxy S0/a	14.5	UGC 4755 MCG 5-22-5 CGCG 151-8 IRAS 9013+2809 PGC 25467
NGC 2741		Glxy		
NGC 2738		Glxy S?	14	UGC 4752 MCG 4-22-6 CGCG 121-10 VV 481 IRAS 9011+2210 PGC 25454
NGC 2737		Glxy Sab	15	UGC 4751 MCG 4-22-5 CGCG 121-9 PGC 25453
IC 2429		Glxy S?	15.1	MCG 5-22-3 CGCG 151-6 PGC 25446
IC 2428		Glxy Scd:	14.5	UGC 4747 MCG 5-22-1 CGCG 151-4 IRAS 9002+3047 KARA296 PGC 25423
NGC 2734		Glxy		PGC 25413
IC 526		Glxy Sb	14.8	MCG 2-23-22 CGCG 61-46 IRAS 8599+1102 PGC 25401
NGC 2730		Glxy SBdm:	13.5	UGC 4743 MCG 3-23-28 CGCG 90-57 IRAS 8594+1702 PGC 25384
NGC 2731		Glxy S?	14.5	UGC 4741 MCG 2-23-21 CGCG 33-48 CGCG 61-45 IRAS 8594+829 PGC 25376
NGC 2728		Glxy Sb	14.4	UGC 4738 MCG 2-23-20 CGCG 61-42 PGC 25360
NGC 2725		Glxy S?	14.4	UGC 4732 MCG 2-23-18 CGCG 61-38 PGC 25332
NGC 2720		Glxy S0-:	13.8	UGC 4710 MCG 2-23-16 CGCG 61-34 PGC 25238
NGC 2711		Glxy SB?	14.6	UGC 4688 MCG 3-23-20 CGCG 90-42 IRAS 8545+1728 PGC 25164
IC 2423		Glxy SAB(s)b	14.5	UGC 4667 MCG 3-23-17 CGCG 90-35 PGC 25021
IC 2422		Glxy C	15.5	MCG 3-23-16 CGCG 90-34 PGC 24998
IC 2421		Glxy SA(rs)c	13.9	UGC 4658 MCG 6-20-13 CGCG 180-19 IRAS 8512+3252 KUG 851+328A PGC 24996
IC 523		Glxy Sab	14	UGC 4652 MCG 2-23-9 CGCG 61-18 PGC 24948
IC 2419		Non-Existent		

## Cancer - The Crab

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 2680		Glxy SB0:	14.1	NGC 2679 UGC 4632 MCG 5-21-14 CGCG 150-41 PGC 24884
NGC 2679	H294-3	Glxy SB0	13.1	
IC 2418		Non-Existent		
IC 2417		Non-Existent		
IC 2416		Non-Existent		(STAR)
NGC 2678	H10-8	Open Cl 4 stars		
NGC 2677		Glxy Sb	15.2	MCG 3-23-12 CGCG 90-21 PGC 24821
IC 2415		Non-Existent		(STAR)
IC 2414		Glxy	15.7	CGCG 90-20 PGC 24811
IC 2413		Non-Existent		
IC 2412		Non-Existent		
NGC 2667B		Non-Existent		
IC 2410		Non-Existent		NGC 2667 MCG 3-23-7 CGCG 90-16 PGC 24741
NGC 2667A		Non-Existent		
IC 2409		Glxy SAB(s)a	14.4	UGC 4608 MCG 3-23-8 CGCG 90-15 IRAS 8455+1830 PGC 24748
IC 2408		Non-Existent		
IC 2404		Glxy SB(s)b	15.4	CGCG 150-34 PGC 24725
IC 2407		Glxy Sb-c	15.3	UGC 4607 MCG 3-23-6 CGCG 90-12 PGC 24726
IC 2406		Glxy S0/a	14.2	UGC 4606 MCG 3-23-5 CGCG 90-11 IRAS 8452+1753 PGC 24721
IC 2402		Glxy S	15.6	MCG 5-21-10 CGCG 150-33 PGC 24720
IC 2399		Glxy D	15.4	CGCG 90-10 PGC 24709
NGC 2664		Open Cl OCL		
IC 2394		Glxy SB(s)b	14.6	UGC 4595 MCG 5-21-9 CGCG 150-31 PGC 24678
IC 2393		Glxy E	14.2	UGC 4589 MCG 5-21-7 CGCG 150-27 PGC 24669
IC 2398		Glxy	15	MCG 3-23-3 CGCG 90-6 ARAK177 IRAS 8439+1756 PGC 24664
IC 2397		Non-Existent		(STAR)
IC 2396		Non-Existent		
NGC 2661	H50-3	Glxy Scd:	13.5	UGC 4584 MCG 2-23-4 CGCG 61-8 IRAS 8432+1248 PGC 24632
NGC 2657		Glxy SA(rs)d:	13.6	UGC 4573 MCG 2-23-2 CGCG 61-6 IRAS 8425+949 PGC 24595
IC 2392		Glxy Sc	14.6	MCG 3-23-1 CGCG 90-2 IRAS 8416+1828 PGC 24559
NGC 2651		Glxy Sc	15.4	CGCG 61-1 KARA282 PGC 24521
NGC 2647		Glxy C	15.1	CGCG 89-68 PGC 24463
NGC 2643		Non-Existent		IC 2390 CGCG 89-67 PGC 24434
IC 2390		Glxy	15.6	CGCG 89-67 PGC 24434
NGC 2637		Non-Existent		CGCG 89-65 PGC 24409
NGC 2628	H235-3	Glxy SAB(r)c?	14	UGC 4519 MCG 4-21-12 CGCG 120-20 IRAS 8374+2342 PGC 24381
IC 2388		Glxy	15.7	CGCG 89-63 PGC 24365
IC 2387		Glxy Scd:	14.7	UGC 4511 MCG 5-21-3 CGCG 150-13 IRAS 8354+3058 PGC 24299
NGC 2625		Glxy	14.5	MK 625 PGC 24285
NGC 2622		Glxy S?	15	MCG 4-21-8 MK 1218 CGCG 120-13 PGC 24269
NGC 2624		Glxy S	14.6	UGC 4506 MCG 3-22-19 CGCG 89-55 ARAK172 PGC 24264
NGC 2621		Glxy S	15.4	MCG 4-21-3 CGCG 120-7 PGC 24241
NGC 2619	H319-2	Glxy Sbc	13.2	UGC 4503 MCG 5-21-2 CGCG 150-8 IRAS 8345+2852 PGC 24235
NGC 2620		Glxy S?	14.4	UGC 4501 MCG 4-21-1 CGCG 120-6 PGC 24233
NGC 2611		Glxy	15.3	CGCG 119-127 PGC 24121

## Cancer - The Crab

Observed: No

Object	No	Her	Type	Mag	Alias/Notes
IC	2386		Non-Existent		
IC	2384		Glxy L	15.3	MCG 6-19-9 CGCG 179-11 PGC 24062
NGC	2607		Glxy S?	14.6	UGC 4473 MCG 5-20-25 CGCG 149-51 KUG 830+271 PGC 24038
NGC	2604B		Glxy Sc	14.8	
NGC	2604A		Non-Existent		
NGC	2604	H292-3	Glxy SB(rs)cd	13	UGC 4469 MCG 5-20-22 CGCG 149-48 IRAS 8303+2942 PGC 23998
NGC	2599	H234-3	Glxy SAa	13.1	UGC 4458 MCG 4-20-67 MK 389 CGCG 119-122 IRAS 8292+2243 KUG 829+227A PGC 23941
IC	509		Glxy SA(rs)c	13.6	UGC 4456 MCG 4-20-66 CGCG 119-121 IRAS 8290+2411 KARA260 PGC 23936
NGC	2598		Glxy SBa	14	
NGC	2597		Non-Existent		STAR UGC 461 MCG 0-2-136 CGCG 383-79 IRAS 408-23 KARA33 PGC 23855
IC	2383		Glxy	15.7	CGCG 149-38 PGC 23829
IC	2382		Glxy Sb	15.1	MCG 4-20-64 CGCG 119-114 ARAK164 PGC 23787
IC	2381		Non-Existent		(STAR)
IC	508		Glxy S?	14.9	MCG 4-20-63 CGCG 119-111 KUG 825+252 PGC 23762
NGC	2595	H599-3	Glxy SAB(rs)c	12.9	UGC 4422 MCG 4-20-62 CGCG 119-109 3ZW59 IRAS 8247+2138 PGC 23725
NGC	2596		Glxy Sb	14.2	UGC 4419 MCG 3-22-13 CGCG 89-30 IRAS 8245+1726 PGC 23714
NGC	2594		Glxy L	14.9	MCG 4-20-56 CGCG 119-106 PGC 23704
NGC	2592	H315-2	Glxy E	13.3	UGC 4411 MCG 4-20-55 CGCG 119-102 PGC 23701
IC	2373		Glxy Scd?	15.1	UGC 4409 MCG 4-20-54 CGCG 119-100 PGC 23695
NGC	2593		Glxy S0/a	14.9	UGC 4408 MCG 3-22-12 CGCG 89-29 PGC 23692
IC	2372		Non-Existent		
IC	2371		Non-Existent		
IC	2370		Non-Existent		(STAR)
IC	2369		Glxy	15.1	CGCG 89-27 PGC 23678
IC	2366		Non-Existent		
IC	2365		Glxy S0	14.4	IC 2365 UGC 4402 MCG 5-20-14 CGCG 149-25 PGC 23673
IC	2368		Non-Existent		
IC	2364		Non-Existent		
IC	2363		Glxy SB(s)bc:	14.8	MCG 3-22-11 CGCG 89-23 IRAS 8228+1936 PGC 23650
IC	2361		Glxy S?	14.8	UGC 4394 MCG 5-20-12 CGCG 149-23 IRAS 8227+2802 PGC 23646
IC	2362		Non-Existent		
NGC	2582	H753-3	Glxy (R')SAB(s)ab	13.9	IC 2359 PGC 23630 UGC 4391 MCG 4-20-50 CGCG 89-22 CGCG 119-91
IC	2360		Non-Existent		
IC	2359		Non-Existent		NGC 2582 UGC 4391 MCG 4-20-50 CGCG 89-22 CGCG 119-91 PGC 23630
IC	2358		Non-Existent		
IC	2357		Non-Existent		
IC	2356		Non-Existent		
IC	2355		Non-Existent		
IC	2354		Non-Existent		
IC	2352		Non-Existent		
IC	2353		Non-Existent		
NGC	2581		Glxy SB?	14.3	UGC 4388 MCG 3-22-10 CGCG 89-19 IRAS 8216+1845 PGC 23599
IC	2351		Non-Existent		
IC	2350		Non-Existent		
IC	2348		Glxy S?	15.7	MCG 4-20-49 CGCG 119-85 PGC 23589

## Cancer - The Crab

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC	2349	Non-Existent		
IC	2347	Non-Existent		
IC	2346	Non-Existent		
IC	2345	Non-Existent		
IC	2344	Non-Existent		(STAR)
IC	2343	Non-Existent		
IC	2340	Glxy L	14.4	MCG 3-22-6 CGCG 89-11 PGC 23544
IC	2342	Non-Existent		(STAR)
IC	2337	Glxy	15.7	IC 2337 IC 2336 CGCG 89-10 PGC 23529
IC	2336	Non-Existent		IC 2337 CGCG 89-10 PGC 23529
IC	2335	Non-Existent		
IC	2334	Non-Existent		
IC	2333	Non-Existent		(STAR)
NGC	2576	Glxy Sb	15.1	UGC 4371 MCG 4-20-41 CGCG 119-76 PGC 23512
NGC	2575	Glxy SA(rs)cd:	13.4	UGC 4368 MCG 4-20-40 CGCG 119-75 IRAS 8198+2427 KUG 819+244 PGC 23501
NGC	2577	H259-2 Glxy S0-:	13.4	UGC 4367 MCG 4-20-42 CGCG 119-74 PGC 23498
IC	2332	Non-Existent		(STAR)
IC	2331	Non-Existent		
IC	2330	Non-Existent		(STAR)
IC	2329	Glxy Sdm:	14.6	UGC 4365 MCG 3-22-5 CGCG 89-8 PGC 23483
IC	2328	Non-Existent		
IC	2326	Non-Existent		
IC	2325	Non-Existent		
IC	502	Glxy E	15.4	CGCG 60-2 KARA245 PGC 23469
IC	2324	Non-Existent		
IC	2323	Non-Existent		
IC	2322	Non-Existent		
IC	2321	Non-Existent		(STAR)
IC	2320	Non-Existent		(STAR)
IC	2319	Non-Existent		
IC	2318	Non-Existent		
NGC	2572	Glxy Sa?	14.7	UGC 4355 MCG 3-22-4 CGCG 89-7 ARAK161 PGC 23441
IC	2317	Non-Existent		
NGC	2570	Glxy Sab	14.5	UGC 4354 MCG 4-20-36 CGCG 119-68 PGC 23443
NGC	2569	Glxy E?	15.3	MCG 4-20-35 CGCG 119-67 PGC 23442
IC	2316	Non-Existent		
IC	2315	Non-Existent		
IC	2314	Non-Existent		(STAR)
IC	2313	Non-Existent		
IC	2312	Non-Existent		
IC	2310	Non-Existent		(STAR)
IC	2308	Glxy S?	15.6	MCG 3-22-1 CGCG 89-6 ARAK160 IRAS 8178+1931 PGC 23415
IC	2309	Glxy	15.6	CGCG 89-3 PGC 23416
IC	2305	Non-Existent		(STAR)
IC	2307	Glxy	15.5	CGCG 89-4 PGC 23417

## Cancer - The Crab

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC		2306		Non-Existent
IC		2304		Non-Existent
NGC	H634-2	2563	13.2	Glxy S0^: UGC 4347 MCG 4-20-33 CGCG 119-65 PGC 23404
NGC	H607-3	2562	13.9	Glxy S0/a: UGC 4345 MCG 4-20-31 CGCG 119-63 ARAK159 PGC 23395
IC		2303		Non-Existent (STAR)
IC		2302		Non-Existent
IC		2301		Non-Existent
IC		2300		Non-Existent (STAR)
IC		2299		Non-Existent
IC		2298		Non-Existent
IC		2297		Non-Existent (STAR)
IC		2296		Non-Existent (STAR)
IC		2295		Non-Existent (STAR)
IC		2294		Non-Existent
IC		2292		Non-Existent (STAR)
IC		2291		Non-Existent (STAR)
IC		2283		Non-Existent IC 2282 MCG 4-20-20 CGCG 119-49 KUG 816+249A PGC 23333
IC		2289		Non-Existent (STAR)
IC		2287		Non-Existent
IC		2286		Non-Existent
IC		2285		Non-Existent
IC		2284		Non-Existent
IC		2272		Non-Existent (STAR)
IC		2270		Non-Existent
NGC	H303-2	2554	12.9	Glxy S0/a UGC 4312 MCG 4-20-15 CGCG 119-33 IRAS 8149+2337 PGC 23256
IC		2265		Non-Existent
IC		2264		Non-Existent
IC		2266		Non-Existent
IC		2263		Non-Existent
IC		2261		Non-Existent
IC		2250		Non-Existent
IC		2247		Non-Existent
IC		2246		Non-Existent
IC		2245		Non-Existent
IC		2244		Non-Existent
IC		2243		Non-Existent
IC		2242		Non-Existent
IC		2241		Non-Existent
IC		2235		Non-Existent (STAR)
IC		2236		Non-Existent
IC		2237		Non-Existent
IC		2240		Non-Existent
IC		2238		Non-Existent
IC		2229		Non-Existent IC 496 MCG 4-19-28 CGCG 118-66 CGCG 119-1 IRAS 8067+2601 PGC 22903
IC		489		Non-Existent (STAR)

## Cancer - The Crab

Observed: No

Object	Her	Type	Mag	Alias/Notes
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**Sub Total: 269**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
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IC	490	Glxy	15.6	CGCG 118-55 PGC 22607
IC	528	Glxy Sab	15	UGC 4811 MCG 3-24-1 MK 1225 CGCG 91-8 Hickson 36A PGC 25783
IC	493	Glxy Sb	14.9	MCG 4-19-26 CGCG 118-64 PGC 22795
IC	495	Glxy	15.4	
IC	496	Glxy Sbc	15.2	IC 2229 MCG 4-19-28 CGCG 118-66 CGCG 119-1 IRAS 8067+2601 PGC 22903
IC	501	Glxy	15.4	CGCG 119-42 PGC 23305
IC	497	Glxy S?	15.4	MCG 4-20-1 CGCG 118-67 CGCG 119-2 IRAS 8070+2503 PGC 22918
IC	492	Glxy SB(s)bc:	14.3	UGC 4212 MCG 4-19-24 CGCG 118-59 PGC 22724
IC	491	Glxy	15.3	CGCG 148-106 PGC 22631
NGC	2503	Glxy SAB(rs)bc	14.5	UGC 4158 MCG 4-19-19 CGCG 118-41 KARA222 PGC 22453
NGC	2526	Glxy S?	14.7	UGC 4231 MCG 1-21-12 CGCG 31-47 IRAS 8042+808 PGC 22778
NGC	2535	Glxy SA(r)c pec	13.3	UGC 4264 MCG 4-20-4 CGCG 119-8 VV 9 ARP 82 IRAS 8082+2521 KUG 808+253A PGC 22957
NGC	2540	Glxy SB(rs)cd:	14.2	UGC 4275 MCG 5-20-4 CGCG 149-4 IRAS 8097+2630 KUG 809+265 PGC 23017
NGC	2623	Glxy Pec	14	UGC 4509 MCG 4-21-9 CGCG 120-15 VV 79 ARP 243 IRAS 8354+2555 PGC 24288
NGC	2608	H318-2 Glxy SB(s)b:	13	UGC 4484 MCG 5-20-27 CGCG 149-55 ARP 12 IRAS 8322+2838 PGC 24111
NGC	2565	Glxy (R')SBbc:	13.4	UGC 4334 MCG 4-20-26 MK 386 CGCG 119-57 IRAS 8168+2211 KUG 816+221B PGC 23362
NGC	2560	Glxy S0/a	13.3	UGC 4337 MCG 4-20-27 CGCG 119-58 PGC 23367
NGC	2558	H606-3 Glxy SAB(rs)ab	13.8	UGC 4331 MCG 4-20-22 CGCG 119-50 PGC 23337
NGC	2557	Glxy SB0	14.2	UGC 4330 MCG 4-20-21 CGCG 119-48 PGC 23329
NGC	2556	Glxy S0	15.4	CGCG 119-45 PGC 23325
NGC	2553	Glxy S?	14.8	MCG 4-20-14 CGCG 119-31 PGC 23240
NGC	2545	H627-2 Glxy (R)SB(r)ab	13.2	UGC 4287 MCG 4-20-7 CGCG 119-16 IRAS 8113+2130 PGC 23086
NGC	2809	Glxy S0	14	IC 2457 PGC 26220 UGC 4910 MCG 3-24-33 CGCG 91-54
NGC	2807	Glxy		MCG 3-24-31 CGCG 91-51 PGC 26213
NGC	2806	Glxy Sb	16.3	MCG +3-24-30 PGC 26212
NGC	2804	Glxy S0	12.8	IC 2455 PGC 26196 UGC 4901 MCG 3-24-28 CGCG 91-47
NGC	2783B	Glxy Sbc	15.1	UGC 4856 MCG 5-22-17 CGCG 151-26 Hickson 37B PGC 26012
NGC	2783	H295-3 Glxy E	13.6	UGC 4859 MCG 5-22-19 CGCG 151-27 Hickson 37A PGC 26013
NGC	2775	H2-1 Glxy SA(r)ab	11	UGC 4820 MCG 1-24-5 CGCG 34-6 KARA309 PGC 25861
NGC	2764	H236-3 Glxy S0:	13.6	UGC 4794 MCG 4-22-17 CGCG 121-24 IRAS 9054+2138 PGC 25690
NGC	2749	Glxy E3	12.7	UGC 4763 MCG 3-23-36 CGCG 90-69 PGC 25508
NGC	2735A	Glxy Im: pec	16.8	MCG 4-22-3 CGCG 121-3 VV 40 ARP 287 PGC 25402
NGC	2735	Glxy SAB(rs)b? pec	14.1	UGC 4744 MCG 4-22-2 CGCG 121-3 VV 40 ARP 287 IRAS 8597+2608 PGC 25399
NGC	2682	Open Cl 9.0 II 3 r	6.9	M 67 Cr 204
NGC	2673	Glxy E0 pec	14.1	UGC 4620 MCG 3-23-11 CGCG 90-19 ARP 167 PGC 24792
NGC	2672	H48-2 Glxy E1-2	12.7	UGC 4619 MCG 3-23-10 CGCG 90-19 ARP 167 PGC 24790
NGC	2667	Glxy Sb	14.9	IC 2410 MCG 3-23-7 CGCG 90-16 PGC 24741
NGC	2648	H49-3 Glxy Sa	12.7	UGC 4541 MCG 2-22-5 CGCG 60-35 ARP 89 PGC 24464

## Cancer - The Crab

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 2632		Open Cl 6.0 II 3 m	3.1	M 44 Praesepe Cr 189
NGC 2536		Glxy SB(rs)c pec	14.7	MCG 4-20-5 CGCG 119-9 VV 9 ARP 82 KUG 808+253B PGC 22958
NGC 2529	H752-3	Glxy SB(s)d	14.2	
NGC 2522		Glxy S0/a	14.8	UGC 4218 MCG 3-21-14 CGCG 88-31 PGC 22749
NGC 2512	H605-3	Glxy SBb	13.9	UGC 4191 MCG 4-19-21 MK 384 CGCG 118-52 IRAS 8001+2331 PGC 22596
NGC 2513	H512-3	Glxy E	12.6	UGC 4184 MCG 2-21-9 CGCG 59-25 PGC 22555
NGC 2514		Glxy SB(s)bc	14	UGC 4189 MCG 3-21-11 CGCG 88-22 IRAS 8000+1556 PGC 22581
NGC 2507	H554-2	Glxy S0/a pec	13.2	UGC 4172 MCG 3-21-10 CGCG 88-20 IRAS 7587+1550 PGC 22510
IC 2217		Glxy S?	14.9	UGC 4160 MCG 5-19-31 CGCG 148-91 ARAK149 IRAS 7577+2738 PGC 22476
IC 2218		Glxy	15.7	CGCG 118-48 PGC 22509
IC 2226		Glxy SABab	14.2	UGC 4220 MCG 2-21-16 CGCG 59-44 PGC 22747
IC 2230		Glxy C	15.5	CGCG 119-7 PGC 22944
IC 2248		Glxy Sb	15.3	MCG 4-20-9 CGCG 119-21 ARAK156 PGC 23176
MAC 0917+2005		Glxy	16	
MAC 0917+2002A		Glxy	16	
MAC 0916+2010B		Glxy	16	
MAC 0849+1904		Glxy	16	
MAC 0848+1904		Glxy	15.5	
MAC 0848+1901		Glxy	16	
MAC 0829+3023		Glxy	15.5	
MAC 0828+3035		Glxy	16.5	
MAC 0828+3034		Glxy	17	
MAC 0828+3033A		Glxy	16.5	
MAC 0828+3033		Glxy	17.5	
MAC 0828+3027		Glxy	16	
MAC 0828+3026		Glxy	15	
MAC 0828+3024B		Glxy	15	
MAC 0828+3024A		Glxy	14.5	
MAC 0828+3023		Glxy	17	
MAC 0828+3022		Glxy	16.5	
MAC 0828+3021		Glxy	16	
MAC 0828+3018		Glxy	16.5	
MAC 0828+3017B		Glxy	16.5	
MAC 0828+3017A		Glxy	17	
MAC 0828+3016		Glxy	16	
MAC 0823+2125		Glxy	16.5	
MAC 0819+2058		Glxy	17	
MAC 0818+2445		Glxy	16.5	
MAC 0817+2408		Glxy	16.5	
MAC 0809+2552		Glxy	16.5	
MAC 0808+0900		Glxy	16.5	
MAC 0803+2627		Glxy	16	
MAC 0803+2621		Glxy	16.5	
MAC 0800+2728		Glxy	16.5	
IC 2288		Glxy S?	15.8	MCG 4-20-23 CGCG 119-52 ARAK158 KARA242 KUG 816+239 PGC 23342

## Cancer - The Crab

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC	2282	Glxy S?	14.8	IC 2282 IC 2283 MCG 4-20-20 CGCG 119-49 KUG 816+249A PGC 23333
IC	2271	Glxy C	15.5	CGCG 119-39 KUG 815+246 PGC 23283
IC	2269	Glxy	15.6	CGCG 119-38 PGC 23278
IC	2268	Glxy C	15.5	CGCG 119-37 KUG 815+249 PGC 23273
IC	2267	Glxy SBcd?	14.8	UGC 4315 MCG 4-20-16 CGCG 119-36 KUG 815+248 PGC 23266
IC	2256	Glxy I?	15.5	MCG 4-20-12 CGCG 119-26 KUG 813+243 PGC 23214
IC	2254	Glxy	15.3	CGCG 119-25 PGC 23206
IC	2253	Glxy E?	14.9	MCG 4-20-11 CGCG 119-24 PGC 23204
IC	2444	Glxy S?	14.7	MCG 5-22-12 CGCG 151-22 PGC 25969
IC	2411	Glxy S	15.5	MCG 3-23-9 CGCG 90-18 VV 28 ARP 7 PGC 24755
IC	2380	Glxy L	15.4	MCG 5-20-19 CGCG 149-32 PGC 23777
IC	2378	Glxy S?	15.3	MCG 5-20-18 CGCG 149-31 PGC 23771
IC	2376	Glxy S	14.3	MCG 5-20-17 CGCG 149-29 PGC 23764
IC	2374	Glxy S	16.6	MCG 5-20-16 CGCG 149-29 PGC 23765
IC	2341	Glxy S0-:	14.6	UGC 4384 MCG 4-20-46 CGCG 119-81 PGC 23552
IC	2339	Glxy SAB(s)cd pec	15	UGC 4383 MCG 4-20-45 CGCG 119-80 ARP 247 IRAS 8206+2130 PGC 23542
IC	2338	Glxy SAB(s)cd pec	14.7	UGC 4383 MCG 4-20-44 CGCG 119-80 ARP 247 PGC 23546
IC	2293	Glxy S?	14.9	MCG 4-20-24 CGCG 119-54 PGC 23352
IC	2290	Glxy S0?	15.8	CGCG 88-59 CGCG 89-1 KARA241 PGC 23334
IC	2239	Glxy S0?	14.5	MCG 4-20-6 CGCG 119-15 IRAS 8111+2401 PGC 23078
IC	2228	Glxy	15.5	MCG 1-21-13 CGCG 31-48 PGC 22786
IC	2219	Glxy Sc	14.4	UGC 4180 MCG 5-19-35 CGCG 148-100 IRAS 7595+2734 PGC 22565
PGC	22506	Glxy Sb	14.4	UGC 4171 MCG 2-21-3 CGCG 59-16
PGC	22556	Glxy E/S0	15	MCG 2-21-10 CGCG 59-26
PGC	22568	Glxy	15.2	CGCG 59-27
PGC	22733	Glxy Sab	14.9	UGC 4216 CGCG 59-43
PGC	22856	Glxy L	15.1	MCG 3-21-22 CGCG 88-43
PGC	22916	Glxy	15.6	CGCG 119-4 CGCG 118-68
PGC	23759	Glxy	15.7	CGCG 149-28
PGC	23758	Glxy	15.5	CGCG 149-27
PGC	23359	Glxy		
PGC	23357	Glxy S	15.6	CGCG 119-56 KUG 816+221A
PGC	23292	Glxy	15.7	CGCG 119-40
PGC	23289	Glxy Sab: sp	14.1	UGC 4324 MCG 4-20-17 CGCG 119-41 IRAS 8155+2055 ANON 815+20
PGC	23169	Glxy Sbc	14	UGC 4299 MCG 4-20-8 CGCG 119-20 IRAS 8130+2321
PGC	22921	Glxy Scd:	15.2	UGC 4257 MCG 4-20-2 CGCG 119-5
PGC	22917	Glxy I R	15.4	MCG 4-20-3 CGCG 118-69
PGC	25784	Glxy	15.6	CGCG 91-7
PGC	25782	Glxy S	17.8	Hickson 36D
PGC	25779	Glxy S	17.3	Hickson 36C
PGC	24902	Glxy S0?	13.8	UGC 4639 MCG 3-23-15 CGCG 90-26
PGC	24490	Glxy Sb	14.3	UGC 4550 MCG 2-22-8 CGCG 60-38 IRAS 8405+1315
PGC	24469	Glxy S?	15.4	MCG 2-22-6 CGCG 60-36 IRAS 8399+1427 ARP 89
PGC	23935	Glxy SAB(rs)c pec	14.2	UGC 4457 MCG 3-22-17 CGCG 89-40 VV 413 ARP 58 ANON 829+19A
PGC	23825	Glxy I	15.6	MCG 5-20-21 CGCG 149-36 IRAS 8263+3035

## Cancer - The Crab

Observed: Yes

<b>Object</b>	<b>Her</b>	<b>Type</b>	<b>Mag</b>	<b>Alias/Notes</b>
PGC 23797		Glxy	15.5	CGCG 149-35
PGC 26226		Glxy Sb	14.9	CGCG 91-55
PGC 26009		Glxy S	16.2	MCG 5-22-16 Hickson 37D
PGC 26006		Glxy L	16.5	Hickson 37E
PGC 26004		Glxy S?	15.4	MCG 5-22-20 IRAS 9105+3012 Hickson 37C
PGC 25791		Glxy S	16.6	Hickson 36B
PGC 22860		Glxy SBb	14.7	UGC 4245 MCG 3-21-23 CGCG 88-44 IRAS 8058+1820
PGC 22803		Glxy Sb-c	15.3	UGC 4232 MCG 3-21-19 CGCG 88-36

**Sub Total: 136****Total: 405**

## Columba - The Dove

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 1792		Glxy SA(rs)bc	10.9	ESO 305-6 MCG -6-12-4 IRAS 5035-3802 PGC 16709
IC 2147		Non-Existent		
NGC 2090		Glxy SA(rs)c	12	ESO 363-23 MCG -6-13-9 IRAS 5452-3416 PGC 17819
NGC 2049		Glxy SA(s)a?	13.6	ESO 424-11 MCG -5-14-11 PGC 17657
NGC 2061		Non-Existent		
NGC 1992		Glxy SA(rs)0/a?	14.6	ESO 423-23 MCG -5-14-7 PGC 17466
NGC 1989		Glxy SA(s)0-:	14.1	ESO 423-21 MCG -5-14-4 PGC 17464
IC 2136		Non-Existent		IC 2135 ESO 363-7 MCG -6-13-4 IRAS 5314-3626 PGC 17433
IC 2135		Non-Existent		IC 2136
NGC 1963		Open Cl 11.0 cluster?		
NGC 2255		Glxy SAB(r)c:	14.1	ESO 365-31 MCG -6-15-10 IRAS 6321-3446 PGC 19260
NGC 2188		Glxy SB(s)m sp	12.1	ESO 364-37 MCG -6-14-8 PGC 18536
IC 2158		Glxy SB(r)ab:	12.9	ESO 425-7 MCG -5-15-4 IRAS 6033-2751 PGC 18388
IC 2155		Non-Existent		
IC 2153		Glxy Pec	14.1	ESO 364-22 IRAS 5582-3355 PGC 18212
IC 2150		Glxy SB(r)c:	13.6	ESO 306-32 MCG -6-13-16 IRAS 5496-3819 PGC 18000
NGC 1812		Glxy Sa pec	13.6	ESO 422-39 MCG -5-13-9 IRAS 5068-2918 PGC 16819
NGC 1827		Glxy SAB(s)cd: sp	13.2	ESO 362-6 MCG -6-12-8 IRAS 5083-3701 PGC 16849
IC 2122		Glxy SAB(s)0-:	13.8	ESO 362-14 MCG -6-12-17 PGC 17081
NGC 1891		Non-Existent		
NGC 1879		Glxy SB(s)m	13.2	ESO 423-6 MCG -5-13-16 UGC A110 DDO232 IRAS 5178-3211 PGC 17113
NGC 1811		Glxy Sa: pec sp	14.4	ESO 422-37 MCG -5-13-8 PGC 16811
NGC 1800		Glxy IB(s)m	13.1	ESO 422-30 MCG -5-13-4 IRAS 5045-3201 PGC 16745

**Sub Total: 23**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 1808		Glxy (R)SAB(s)a	10.7	ESO 305-8 MCG -6-12-5 IRAS 5059-3734 PGC 16779
NGC 1851		Globular	7.1	

**Sub Total: 2****Total: 25**

## Coma Berenices - Berenice's Hair

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 4014		Glxy S0/a	13.3	NGC 4028 PGC 37695 UGC 6961 MCG 3-31-5 CGCG 98-12 IRAS 11560+1627
NGC 4023		Glxy S?	14.6	UGC 6977 MCG 4-28-113 CGCG 127-127 PGC 37732
NGC 4037	H77-3	Glxy SB(rs)b:	12.7	UGC 7002 MCG 2-31-15 CGCG 69-27 IRAS 11588+1340 PGC 37928
NGC 4170		Non-Existent		NGC 4171
IC 3034		Glxy		
IC 3033		Glxy Sdm?	14.9	UGC 7181 MCG 2-31-43 CGCG 69-74 VCC34 KUG 1208+138 PGC 38803
IC 3032		Glxy E?	14.7	MCG 3-31-59 CGCG 98-83 VCC33 PGC 38800
IC 3031		Glxy		
IC 3030		Non-Existent		(STAR)
NGC 4153	H11-1	Non-Existent		
IC 3029		Glxy SB?	14.7	UGC 7171 MCG 2-31-41 CGCG 69-71 VCC27 8ZW173 PGC 38755
IC 3027		Non-Existent		
IC 3384		Glxy		
NGC 4446		Glxy Scd:	14.6	UGC 7586 MCG 2-32-69 CGCG 70-103 VCC1072 PGC 40962
IC 3380		Glxy		
IC 3379		Glxy S	16	IC 3379 IC 3378 CGCG 99-60 VCC1066 PGC 40955
IC 3378		Non-Existent		IC 3379 IC 3378 CGCG 99-60 VCC1066 PGC 40955
IC 3377		Glxy		
IC 3376		Glxy (R)SBa	13.8	UGC 7578 MCG 5-29-87 CGCG 158-112 IRAS 12253+2716 PGC 40920
IC 3375		Non-Existent		(STAR)
IC 3373		Glxy		
IC 3372		Glxy		
IC 3368		Glxy		
IC 3369		Glxy E	15.1	MCG 3-32-43 CGCG 99-58 VCC990 PGC 40828
IC 3365		Glxy Im	14.4	UGC 7563 MCG 3-32-41 CGCG 99-57 VCC980 KUG 1224+161 PGC 40811
NGC 4427		Non-Existent		
NGC 4426		Non-Existent		
IC 3367		Glxy	15.7	CGCG 158-109 PGC 40812
IC 792		Glxy Sb	14.8	UGC 7558 MCG 3-32-40 CGCG 99-56 VCC973 PGC 40800
IC 3364		Glxy		
NGC 4421	H89-2	Glxy SB(s)0/a	11.6	UGC 7554 MCG 3-32-39 CGCG 99-55 VCC966 PGC 40785
IC 791		Glxy (R)SB(r)a	14	UGC 7555 MCG 4-29-71 CGCG 128-89 PGC 40783
IC 3362		Glxy		
IC 3359		Glxy		
IC 3360		Non-Existent		(STAR)
IC 3353		Glxy		
IC 3351		Non-Existent		(STAR)
IC 3348		Glxy		
IC 3340		Glxy SB	15.5	
IC 3344		Glxy E?	15.6	MCG 2-32-50 CGCG 70-77 VCC917 PGC 40706
IC 3345		Glxy		
IC 3342		Non-Existent		
IC 3338		Glxy		
IC 3337		Glxy		
IC 3341		Glxy S	16.7	KUG 1223+280 PGC 40682

## Coma Berenices - Berenice's Hair

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 3336		Glxy SA(r)0- pec:	15.4	CGCG 158-106 PGC 40669
IC 3335		Glxy		
NGC 4408		Glxy S0	14.8	CGCG 158-107 PGC 40668
IC 3334		Glxy		
NGC 4405	H88-2	Glxy SA(rs)0/a:	13	IC 788 PGC 40643 UGC 7529 MCG 3-32-36 CGCG 99-50 VCC874 IRAS 12235+1627
IC 788		Non-Existent		UGC 7529 MCG 3-32-36 CGCG 99-50 VCC874 IRAS 12235+1627 PGC 40643
IC 3332		Glxy		
IC 3327		Glxy SB	15.4	CGCG 99-48 VCC864 PGC 40624
NGC 4396		Glxy SAd: sp	12.5	UGC 7526 MCG 3-32-34 CGCG 99-49 VCC865 IRAS 12234+1556 KUG 1223+159 PGC 40622
NGC 4397		Non-Existent		
IC 3330		Glxy SAB(r)ab:	14.9	UGC 7527 MCG 5-29-84 CGCG 158-105 PGC 40612
IC 3326		Glxy		
NGC 4393	H361-3	Glxy SABd	12.7	IC 3323 IC 3329 UGC 7521 MCG 5-29-83 CGCG 158-104 PGC 40600
IC 3329		Knt in Glxy SABd	12.7	IC 3323 UGC 7521 MCG 5-29-83 CGCG 158-104 PGC 40600
IC 3323		Non-Existent		(STAR)
IC 3325		Glxy		
IC 3324		Non-Existent		
IC 3321		Glxy		
IC 3313		Glxy Sa	15	MCG 3-32-33 CGCG 99-46 VCC817 PGC 40551
IC 3317		Glxy		
IC 3316		Glxy		
IC 3314		Glxy E	16.1	
IC 3312		Glxy		
IC 3310		Non-Existent		(STAR)
NGC 4383		Glxy Sa? pec	12.7	UGC 7507 MCG 3-32-30 MK 769 CGCG 99-44 VCC801 IRAS 12228+1644 KUG 1222+167 PGC 40516
IC 787		Glxy S?	15.2	MCG 3-32-31 CGCG 99-43 VCC799 PGC 40517
IC 3307		Non-Existent		IC 3307
IC 3309		Glxy S?	14.6	UGC 7509 MCG 5-29-82 CGCG 158-102 KUG 1222+286 PGC 40501
IC 3308		Glxy Sdm:	15.4	UGC 7505 MCG 5-29-81 CGCG 158-101 PGC 40495
NGC 4377	H12-1	Glxy SA0-	12.8	UGC 7501 MCG 3-32-25 CGCG 99-41 3ZW65 VCC778 PGC 40477
IC 3304		Glxy		
IC 3200		Glxy		
IC 3198		Non-Existent		
IC 3197		Non-Existent		(STAR)
IC 3195		Glxy		
IC 3194		Glxy		
NGC 4295		Glxy S?	14.6	MCG 5-29-68 CGCG 158-85 PGC 39906
IC 3193		Glxy S	15.6	MCG 5-29-67 CGCG 158-84 PGC 39870
IC 3189		Glxy Sc	14.8	
IC 3186		Glxy Sb	15.6	MCG 4-29-66 CGCG 128-80 PGC 39875
IC 3185		Glxy		
IC 3184		Glxy	15.6	
NGC 4286	H300-3	Glxy SA(r)0/a:	14.1	IC 3181 PGC 39846 UGC 7398 MCG 5-29-65 CGCG 158-83 KUG 1218+296
IC 3181		Non-Existent		UGC 7398 MCG 5-29-65 CGCG 158-83 KUG 1218+296 PGC 39846

## Coma Berenices - Berenice's Hair

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 3179		Glxy E	15	
IC 3178		Non-Existent		(STAR)
IC 3177		Non-Existent		
IC 3176		Glxy		
IC 3171		Glxy E?	14.7	MCG 4-29-65 CGCG 128-78 PGC 39796
IC 3172		Glxy		
IC 3169		Glxy		
IC 3168		Glxy SB	15.6	MCG 5-29-64 CGCG 158-79 KUG 1217+281 PGC 39793
IC 3164		Non-Existent		(STAR)
IC 3165		Glxy SBb:	14.1	UGC 7384 MCG 5-29-61 CGCG 158-76 PGC 39749
IC 781		Glxy dS0(4),N	14.5	MCG 3-32-2 CGCG 99-17 VCC389 PGC 39754
IC 780		Glxy S0-:	13.9	UGC 7381 MCG 4-29-64 CGCG 128-77 PGC 39745
NGC 4275	H376-2	Glxy S?	14.1	UGC 7382 MCG 5-29-58 CGCG 158-73 ARAK358 IRAS 12173+2753 PGC 39728
NGC 4272	H299-3	Glxy E	14.1	UGC 7378 MCG 5-29-59 CGCG 158-72 PGC 39715
IC 779		Glxy S?	14.7	UGC 7369 MCG 5-29-53 CGCG 158-66 PGC 39690
IC 3154		Glxy		
NGC 4262	H110-2	Glxy SB(s)0-?	11.5	UGC 7365 MCG 3-31-101 CGCG 99-14 VCC355 PGC 39676
IC 777		Glxy SB?	14.4	UGC 7363 MCG 5-29-52 CGCG 158-64 IRAS 12168+2835 KUG 1216+285 PGC 39663
IC 3146		Glxy		
IC 3145		Non-Existent		(STAR)
IC 3144		Glxy		
IC 3142		Glxy IB?	15.1	UGC 7355 MCG 2-31-90 CGCG 70-6 VCC322 PGC 39619
IC 3143		Glxy Spiral	15.6	CGCG 158-62 KUG 1216+275 PGC 39617
IC 3140		Non-Existent		
IC 3141		Glxy	15.7	
IC 3135		Glxy		
IC 3126		Glxy		
NGC 4253	H702-3	Glxy (R')SB(s)a:	14	UGC 7344 MCG 5-29-51 MK 766 CGCG 158-61 IRAS 12159+3005 KUG 1215+300 PGC 39525
IC 3125		Non-Existent		(STAR)
IC 3122		Glxy Sb	14.3	UGC 7341 MCG 4-29-62 CGCG 128-73 PGC 39519
IC 3120		Glxy S0?	15.8	CGCG 69-137 VCC281 KUG 1215+140 PGC 39513
IC 3119		Glxy	15.4	
IC 3116		Glxy		
IC 3112		Glxy S?	15.2	MCG 4-29-61 CGCG 128-71 PGC 39450
IC 3108		Glxy Sa	14.6	
IC 3094		Glxy S?	14.8	UGC 7305 MCG 2-31-78 CGCG 69-123 VCC213 PGC 39362
IC 3095		Glxy S	15.6	MCG 4-29-59 CGCG 128-69 KAZ381 PGC 39357
IC 3096		Glxy dS0?	15	MCG 3-31-90 CGCG 98-128 VCC209 KUG 1214+147 PGC 39358
IC 3093		Glxy S?	15.6	CGCG 98-126 VCC206 KUG 1214+145 PGC 39342
IC 3089		Glxy L	15.6	MCG 4-29-58 CGCG 128-68 PGC 39302
IC 3091		Glxy S0	14.3	MCG 2-31-77 CGCG 69-121 VCC193 PGC 39318
IC 3084		Glxy S	15.8	MCG 4-29-57 CGCG 128-67 PGC 39301
IC 3082		Glxy		
IC 3080		Glxy SB	15.1	CGCG 69-115 VCC176 PGC 39269

## Coma Berenices - Berenice's Hair

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 3077		Glxy Sd	14.7	UGC 7285 MCG 3-31-85 CGCG 98-118 VCC170 PGC 39256
IC 3075		Glxy S	15.1	MCG 4-29-56 CGCG 128-66 PGC 39240
NGC 4211B		Glxy S0-a	14.3	
IC 3073		Glxy Dwarf	15.2	UGC 7274 CGCG 69-109 VCC155 PGC 39215
NGC 4209	H375-2	Non-Existent		
NGC 4208	H107-2	Glxy		
IC 3066		Glxy S	15.6	UGC 7262 MCG 2-31-68 CGCG 69-106 VCC143 KUG 1212+137 PGC 39181
IC 3067		Non-Existent		IC 3067
IC 772		Glxy S	14.7	IC 772
NGC 4204	H397-3	Glxy SB(s)dm	12.9	UGC 7261 MCG 4-29-51 CGCG 128-60 IRAS 12126+2056 KUG 1212+209 PGC 39179
IC 3065		Glxy S0?	14.5	MCG 3-31-82 CGCG 98-114 VCC140 PGC 39173
IC 3062		Glxy S?	14.8	MCG 2-31-65 CGCG 69-103 VCC134 PGC 39156
IC 3061		Glxy SBc? sp	14.3	UGC 7255 MCG 2-31-63 CGCG 69-101 VCC131 KUG 1212+143 PGC 39152
IC 3059		Glxy Im:	14.7	UGC 7254 MCG 2-31-62 DDO115 CGCG 69-100 VCC126 PGC 39142
IC 3058		Glxy		
IC 3056		Non-Existent		
IC 3302		Glxy		
IC 3301		Glxy		IC 3301
IC 3306		Glxy		
IC 3299		Glxy		
IC 3300		Glxy Sc	15.4	UGC 7495 MCG 4-29-70 CGCG 128-87 IRAS 12225+2614 PGC 40459
IC 3298		Glxy SB?	15.4	MCG 3-32-24 CGCG 99-40 VCC768 KUG 1222+172 PGC 40458
NGC 4375	H379-2	Glxy SB(r)ab pec:	13.7	UGC 7496 MCG 5-29-80 CGCG 158-100 IRAS 12224+2850 PGC 40449
IC 3297		Glxy		
IC 3296		Glxy E	15.7	CGCG 128-86 KARA529 PGC 40450
IC 3293		Glxy	15.5	
IC 3295		Non-Existent		
IC 3294		Non-Existent		(STAR)
IC 3288		Glxy		
IC 3287		Glxy		
IC 3286		Glxy		
IC 3285		Non-Existent		
IC 3283		Glxy		
IC 3282		Non-Existent		(STAR)
IC 3277		Glxy		
IC 3278		Glxy S	17.9	KUG 1221+276 PGC 40345
IC 3276		Glxy		
IC 3272		Glxy		
IC 3270		Glxy		
IC 3269		Glxy		
IC 3264		Glxy		
IC 3263		Glxy S?	15	MCG 5-29-78 CGCG 158-98 PGC 40270
IC 3262		Glxy S?	15.2	CGCG 158-97 PGC 40271
NGC 4344	H31-3	Glxy SB0?	13.3	UGC 7468 MCG 3-32-22 CGCG 99-37 VCC655 IRAS 12210+1748 PGC 40249
IC 3254		Non-Existent		UGC 7462 MCG 3-32-20 CGCG 99-35 PGC 40231

## Coma Berenices - Berenice's Hair

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 3252		Non-Existent		(STAR)
IC 3251		Non-Existent		
IC 3250		Non-Existent		(STAR)
IC 3249		Glxy		
IC 3248		Non-Existent		(STAR)
IC 3247		Non-Existent Sd	15.3	NGC 4338 UGC 7459 MCG 5-29-77 CGCG 158-96 PGC 40205
IC 3244		Glxy S?	15	MCG 3-32-18 CGCG 99-33 VCC627 IRAS 12206+1439 KUG 1220+146 PGC 40196
NGC 4327		Non-Existent		
IC 3242		Glxy		
IC 3243		Glxy S	15.5	CGCG 158-95 PGC 40197
IC 3238		Glxy S	15.1	MCG 3-32-17 CGCG 99-32 VCC617 PGC 40182
IC 3241		Glxy		
IC 3237		Glxy		
IC 3235		Glxy		
IC 3234		Glxy		
IC 3232		Non-Existent		(STAR)
NGC 4322		Non-Existent		
IC 3231		Glxy		
IC 3228		Glxy		
IC 3230		Glxy S	17.4	KUG 1220+280 PGC 40113
NGC 4317	H324-2	Non-Existent		
IC 3227		Glxy		
IC 3226		Non-Existent		(STAR)
NGC 4311		Non-Existent		NGC 4310 UGC 7440 MCG 5-29-74 CGCG 158-92 IRAS 12199+2929 PGC 40086
IC 3222		Glxy SBc	15.5	UGC 7437 MCG 5-29-73 IRAS 12198+2906 PGC 40065
IC 783A		Glxy SB(r)0?	15.2	MCG 3-32-13 VCC545 PGC 40068
IC 3221		Glxy		
IC 3219		Glxy		
IC 3217		Glxy		
IC 3216		Glxy		
IC 3214		Non-Existent		(STAR)
IC 3215		Glxy Sdm	15	UGC 7434 MCG 4-29-68 CGCG 128-84 PGC 40040
IC 3213		Glxy	15.7	
IC 3212		Glxy S?	15.7	MCG 5-29-71 CGCG 158-91 PGC 40036
IC 3210		Glxy Sb	15.4	MCG 5-29-70 CGCG 158-89 PGC 39987
NGC 4308		Glxy E:	14.4	UGC 7426 MCG 5-29-69 CGCG 158-88 PGC 40011
IC 3207		Glxy		
IC 3206		Glxy	15.7	CGCG 158-87 PGC 39988
IC 3205		Glxy	15.7	CGCG 158-86 PGC 39989
IC 3204		Glxy		
IC 3203		Glxy Sb	15.5	UGC 7419 MCG 4-29-67 CGCG 128-82 PGC 39984
IC 3202		Glxy		
IC 3201		Glxy		
IC 783		Glxy SAB(rs)0/a?	14.6	UGC 7415 MCG 3-32-8 CGCG 99-25 VCC490 PGC 39965

## Coma Berenices - Berenice's Hair

Observed: No

Object	No	Her	Type	Mag	Alias/Notes
IC	3476		Glxy IB(s)m:	13.2	UGC 7695 MCG 2-32-125 CGCG 70-157 VV 563 VCC1450 PGC 41608
IC	3477		Non-Existent		(STAR)
IC	798		Glxy C	15.3	CGCG 99-83 VCC1440 PGC 41589
IC	3471		Glxy S?	15.5	MCG 3-32-63 CGCG 99-80 VCC1427 PGC 41567
IC	3473		Glxy Sd:	15	UGC 7684 MCG 3-32-62 CGCG 99-81 PGC 41558
IC	3472		Glxy		
IC	3469		Glxy		
NGC	4506	H631-2	Glxy Sa pec?	13.6	UGC 7682 MCG 2-32-120 CGCG 70-152 VCC1419 PGC 41546
NGC	4502	H92-2	Glxy Scd:	14.6	UGC 7677 MCG 3-32-60 CGCG 99-78 VCC1410 KUG 1229+169 PGC 41531
IC	3464		Non-Existent		(STAR)
IC	3462		Glxy		
IC	797		Glxy SBcd?	13.6	UGC 7676 MCG 3-32-58 CGCG 99-77 VCC1393 IRAS 12293+1524 KUG 1229+153 PGC 41504
IC	3460		Glxy S	16.1	KUG 1229+276 PGC 41492
NGC	4529	H26-3	Glxy	15	PGC 41482
IC	3458		Glxy		
IC	3456		Non-Existent		
IC	3455		Glxy		
NGC	4498	H69-3	Glxy SAB(s)d	12.8	UGC 7669 MCG 3-32-56 CGCG 99-75 VCC1379 IRAS 12291+1707 KUG 1229+171 PGC 41472
IC	3454		Glxy Sb	15.6	UGC 7670 MCG 5-30-13 CGCG 159-10 PGC 41468
IC	3453		Glxy Irr	15.5	UGC 7666 MCG 3-32-57 MK 1328 CGCG 99-74 VCC1374 KUG 1229+151 PGC 41466
IC	3450		Glxy S0	15.5	
IC	3451		Glxy S	15.5	
IC	3449		Glxy		
IC	3448		Glxy		
NGC	4495	H301-3	Glxy Sab	14.1	UGC 7663 MCG 5-30-12 CGCG 159-9 IRAS 12289+2924 PGC 41438
IC	3442		Glxy E0:	14.5	MCG 2-32-111 CGCG 70-144 VCC1355 PGC 41435
IC	3444		Non-Existent		(STAR)
IC	3441		Glxy S	15.5	MCG 5-30-10 PGC 41412
IC	3439		Glxy		
NGC	4489	H91-2	Glxy E	12.8	UGC 7655 MCG 3-32-54 CGCG 99-73 VCC1321 PGC 41365
IC	3435		Glxy S	15.6	UGC 7650 MCG 3-32-53 CGCG 99-72 VCC1304 PGC 41338
IC	3436		Glxy S0	15.7	MCG 3-32-52 CGCG 99-71 KARA531 PGC 41323
IC	3432		Glxy S?	15.5	MCG 2-32-102 CGCG 70-135 VCC1293 KUG 1227+144 PGC 41320
IC	3434		Glxy	15.3	CGCG 99-70 PGC 41324
IC	3433		Glxy		
IC	3429		Glxy		
IC	3428		Non-Existent		(STAR)
IC	3426		Non-Existent		(STAR)
NGC	4474	H117-2	Glxy S0 pec:	12.4	UGC 7634 MCG 2-32-94 CGCG 70-127 VCC1242 PGC 41241
IC	3423		Non-Existent		(STAR)
NGC	4475	H362-3	Glxy SAbc	14.3	UGC 7632 MCG 5-30-8 CGCG 159-8 PGC 41225
IC	3424		Glxy		
IC	3422		Glxy		
IC	3420		Non-Existent		(STAR)

## Coma Berenices - Berenice's Hair

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 3419		Glxy		
IC 3421		Glxy Sb	15.5	MCG 5-30-7 PGC 41204
NGC 4468	H630-2	Glxy SA0-?	13.6	UGC 7628 MCG 2-32-90 CGCG 70-122 VCC1196 PGC 41171
IC 796		Glxy S0/a	14.1	UGC 7623 MCG 3-32-51 CGCG 99-68 VCC1188 IRAS 12268+1641 PGC 41160
IC 3415		Non-Existent		(STAR)
IC 3409		Glxy S R	16.1	MCG 3-32-50 PGC 41147
IC 3411		Glxy		
IC 3410		Glxy C	15.6	CGCG 99-67 PGC 41122
IC 3407		Glxy SB?	14.8	UGC 7615 MCG 5-30-5 CGCG 159-5 IRAS 12265+2803 KUG 1226+280 PGC 41112
IC 3406		Glxy S	15.7	MCG 5-30-4 CGCG 159-4 PGC 41116
IC 3403		Glxy	15.7	CGCG 129-3 PGC 41105
IC 3401		Glxy		
IC 3398		Non-Existent		(STAR)
IC 3402		Glxy Sb-c	16	UGC 7616 CGCG 158-115 CGCG 159-6 PGC 41100
IC 3399		Non-Existent		(STAR)
IC 3397		Glxy		
NGC 4455	H355-2	Glxy SB(s)d? sp	12.9	UGC 7603 MCG 4-30-1 CGCG 129-2 IRAS 12262+2305 KAZ390 PGC 41066
IC 3392		Glxy SAB:	13	UGC 7602 MCG 3-32-49 CGCG 99-65 VCC1126 IRAS 12262+1516 PGC 41061
IC 3396		Glxy		
IC 3395		Glxy		
IC 3394		Glxy L	15.4	MCG 5-30-3 PGC 41073
IC 795		Glxy	15.3	CGCG 128-91 CGCG 129-1 PGC 41026
IC 3390		Glxy		
IC 3391		Glxy Scd:	14.1	UGC 7595 MCG 3-32-47 CGCG 99-63 IRAS 12259+1841 PGC 41013
IC 3389		Glxy		
IC 3387		Glxy	17.4	KUG 1225+282 PGC 40994
IC 3382		Glxy Sc	16	
NGC 4447		Glxy SB0?	14.9	MCG 2-32-73 CGCG 70-107 VCC1085 PGC 40979
IC 3385		Glxy		
IC 4297		Glxy S?	15.2	UGC 8570 MCG 5-32-40 CGCG 161-82 PGC 47906
NGC 5217		Glxy E	13.6	UGC 8546 MCG 3-35-9 CGCG 102-19 PGC 47793
IC 897		Glxy S?	15.7	UGC 8544 MCG 3-35-8 CGCG 102-16 IRAS 13315+1758 PGC 47777
IC 4287		Glxy	15.3	CGCG 131-10 PGC 47659
IC 894		Glxy Sb	14.9	MCG 3-35-2 CGCG 102-6 KARA591 PGC 47597
NGC 5190		Glxy SBb:	14	UGC 8500 MCG 3-34-43 CGCG 101-60 CGCG 102-1 IRAS 13282+1823 PGC 47482
NGC 5180	H71-3	Glxy S0?	14	UGC 8479 MCG 3-34-42 CGCG 101-58 PGC 47352
NGC 5172		Glxy SAB(rs)bc:	12.6	UGC 8477 MCG 3-34-41 CGCG 101-57 IRAS 13268+1718 PGC 47330
NGC 5158		Glxy SBab?	13.7	UGC 8459 MCG 3-34-38 CGCG 101-54 IRAS 13253+1802 PGC 47180
NGC 5151		Glxy S	14.8	MCG 3-34-32 CGCG 101-48 PGC 47056
IC 4250		Glxy	15.3	CGCG 161-49 KUG 1323+267 PGC 47008
IC 4244		Glxy	15.6	CGCG 161-47 PGC 46914
IC 4241		Glxy S	15.5	MCG 5-32-16 CGCG 161-46 PGC 46894
IC 4234		Glxy S?	14.9	MCG 5-32-11 CGCG 161-38 PGC 46761
NGC 5116	H368-3	Glxy SB(s)c:	13.4	UGC 8410 MCG 5-32-9 CGCG 161-36 IRAS 13205+2714 KUG 1320+272 PGC 46744

## Coma Berenices - Berenice's Hair

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 885		Glxy E	14.8	MCG 4-32-8 CGCG 131-5 PGC 46722
IC 4230		Glxy Sa?	15.4	UGC 8402 MCG 5-32-8 CGCG 161-32 PGC 46678
IC 4228		Glxy S	15.4	MCG 4-32-1 CGCG 131-2 PGC 46632
IC 882		Glxy S?	14.7	MCG 3-34-17 CGCG 101-27 PGC 46508
IC 881		Glxy Sa	14.6	UGC 8375 MCG 3-34-16 CGCG 101-25 PGC 46498
NGC 5092		Glxy E	14.3	UGC 8376 MCG 4-31-23 CGCG 130-30 CGCG 131-1 PGC 46493
NGC 5081		Glxy SBb	14.1	UGC 8366 MCG 5-31-174 CGCG 160-192 CGCG 161-10 KARA581 PGC 46427
IC 869		Non-Existent		
IC 870		Glxy S	15.4	MCG 4-31-22 CGCG 130-29 PGC 46286
IC 868		Glxy S	15.4	MCG 4-31-21 CGCG 130-28 PGC 46281
IC 867		Glxy SAB(s)c	14.6	UGC 8353 MCG 4-31-20 CGCG 130-26 PGC 46283
IC 866		Glxy SB	15.5	UGC 8354 MCG 4-31-19 CGCG 130-27 IRAS 13148+2057 PGC 46279
IC 864		Glxy		
IC 4215		Glxy Sab	15.1	UGC 8336 MCG 4-31-17 CGCG 130-24 IRAS 13138+2540 PGC 46186
IC 862		Glxy E	15.3	CGCG 101-18 KARA578 PGC 46181
NGC 5052		Glxy S0/a	14.2	UGC 8330 MCG 5-31-165 CGCG 160-171 PGC 46131
IC 860		Glxy S?	15.4	MCG 4-31-15 CGCG 130-23 PGC 46086
IC 859		Glxy	15.4	MCG 3-34-8 CGCG 101-12 ARAK408 PGC 46074
IC 858		Glxy S0?	13.7	UGC 8321 MCG 3-34-7 CGCG 101-11 VV 47 PGC 46069
NGC 5041		Glxy Scd:	14.1	UGC 8319 MCG 5-31-162 CGCG 160-168 IRAS 13122+3058 KUG 1312+309 PGC 46046
IC 857		Glxy SB(s)b	14.6	UGC 8310 MCG 3-34-6 CGCG 101-10 IRAS 13113+1720 PGC 45983
NGC 5032A		Non-Existent		
NGC 5032	H367-3	Glxy SB(r)b	13.7	UGC 8300 MCG 5-31-160 CGCG 160-166 PGC 45947
NGC 5032B		Glxy SB0-a	14.3	
NGC 5012A		Glxy P	13.8	
NGC 5016	H356-2	Glxy SAB(rs)c	13.5	UGC 8279 MCG 4-31-13 CGCG 130-19 IRAS 13096+2421 KARA575 KUG 1309+243 PGC 45836
NGC 5008		Glxy		
NGC 5004A		Glxy SBab	14.6	UGC 8259 MCG 5-31-150 CGCG 160-156 IRAS 13086+2950 PGC 45757
NGC 5004C		Glxy SBab	14.2	
NGC 5004	H305-3	Glxy S0	13.9	UGC 8260 MCG 5-31-149 CGCG 160-157 PGC 45756
IC 4210		Glxy	15.2	MCG 5-31-148 CGCG 160-155 PGC 45742
NGC 5004B		Non-Existent		
IC 856		Glxy	15.1	CGCG 130-15 PGC 45733
IC 854		Glxy SB?	14.9	MCG 4-31-11 CGCG 130-14 IRAS 13074+2450 KUG 1307+248 PGC 45664
NGC 5000	H366-3	Glxy SB(rs)bc	13.9	UGC 8241 MCG 5-31-144 CGCG 160-152 VV 460 IRAS 13073+2910 PGC 45658
IC 851		Glxy S?	15	UGC 8219 MCG 4-31-9 CGCG 130-11 IRAS 13061+2118 PGC 45552
IC 4202		Glxy Sbc	15.3	UGC 8220 MCG 4-31-8 CGCG 130-12 IRAS 13060+2458 PGC 45549
NGC 4983	H365-3	Glxy S?	14.9	MCG 5-31-138 CGCG 160-147 PGC 45542
NGC 4978		Glxy S0/a	14.1	UGC 8212 MCG 3-34-2 CGCG 101-4 PGC 45494
NGC 4979	H346-3	Glxy SB?	14.8	IC 4198 PGC 45484 UGC 8209 MCG 4-31-7 CGCG 130-9
IC 4198		Non-Existent		UGC 8209 MCG 4-31-7 CGCG 130-9 PGC 45484
IC 848		Glxy S	15.3	MCG 3-33-31 CGCG 101-2 PGC 45414
NGC 4971		Glxy S0?	14.4	MCG 5-31-134 CGCG 160-140 PGC 45406
NGC 4966	H304-3	Glxy S	14	UGC 8194 MCG 5-31-131 CGCG 160-137 IRAS 13039+2919 PGC 45358

## Coma Berenices - Berenice's Hair

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC	4185	Glxy		
IC	4183	Glxy		
IC	4181	Glxy		
NGC	4962	H303-3 Non-Existent		
NGC	4960	Glxy		NGC 4961 PGC 45312
IC	4175	Glxy		
NGC	4961	H398-2 Non-Existent		NGC 4960 PGC 45311 UGC 8185 MCG 5-31-126 CGCG 160-134 IRAS 13033+2800 KUG 1303+280
IC	4172	Glxy		
IC	4170	Glxy		
IC	4167	Glxy		
IC	846	Glxy	15.5	CGCG 130-7 PGC 45267
IC	4164	Glxy S	15.2	
NGC	4957	H397-2 Glxy E3	14	UGC 8178 MCG 5-31-124 CGCG 160-130 PGC 45253
IC	4163	Glxy		
IC	4162	Glxy		
NGC	4952	H396-2 Glxy E	13.4	NGC 4962 PGC 45233 UGC 8175 MCG 5-31-121 CGCG 160-129
IC	4160	Glxy		
IC	4159	Glxy		
IC	4154	Glxy		
IC	4153	Non-Existent		
NGC	4949	Glxy SB(s)b pec sp		PGC 45161
IC	4150	Non-Existent		(STAR)
IC	4148	Glxy		
IC	4147	Glxy		
IC	4146	Glxy		
IC	4149	Glxy SB?	15.5	MCG 4-31-4 CGCG 130-5 8ZW228 KUG 1301+225 PGC 45159
IC	4141	Glxy S R	17.5	MCG 3-33-27 PGC 45147
IC	4140	Glxy		
IC	4139	Glxy		
IC	4138	Glxy		
IC	4137	Glxy		
IC	4133	Glxy E?	15.4	MCG 5-31-117 CGCG 160-123 PGC 45140
IC	4130	Glxy cD	17.5	MCG 3-33-24 PGC 45103
NGC	4943	Glxy SAB0	15.6	CGCG 160-122 PGC 45129
IC	4129	Glxy		
IC	4128	Glxy		
IC	4126	Non-Existent		(STAR)
IC	4125	Glxy		
IC	4124	Non-Existent		(STAR)
IC	4122	Glxy	15.3	CGCG 100-24 PGC 45092
IC	4121	Non-Existent		(STAR)
NGC	4935	Glxy (R')SAB(s)b	13.8	UGC 8159 MCG 3-33-23 CGCG 100-23 PGC 45093
IC	4119	Glxy		
NGC	4934	Glxy S?	15.2	UGC 8160 MCG 5-31-115 CGCG 160-120 PGC 45082
IC	4116	Non-Existent		(STAR)

## Coma Berenices - Berenice's Hair

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 4113		Glxy		
NGC 4931		Glxy S0 sp	14.5	UGC 8154 MCG 5-31-114 CGCG 160-118 PGC 45055
IC 4110		Glxy		
IC 4109		Glxy		
IC 4111		Glxy S	15.8	MCG 5-31-113 CGCG 160-116 PGC 45051
NGC 4929		Glxy E1:	14.4	MCG 5-31-111 CGCG 160-113 PGC 45027
IC 4107		Glxy		
IC 4106		Glxy S	15.5	MCG 5-31-109 CGCG 160-112 PGC 45025
IC 4099		Glxy		
IC 4096		Glxy		
IC 4095		Glxy		
IC 4092		Non-Existent		(STAR)
IC 4091		Glxy		
IC 4093		Non-Existent		
IC 4089		Glxy		
NGC 4926B		Glxy SB0	15.3	
IC 4087		Glxy		
IC 4080		Glxy		
NGC 4927	H364-3	Glxy SA0-:	14.7	MCG 5-31-104 CGCG 160-105 PGC 44945
IC 4081		Glxy		
IC 4079		Glxy		
IC 4076		Glxy		
IC 4075		Glxy		
IC 4074		Glxy		
IC 4088		Glxy Sab	14.7	UGC 8140 MCG 5-31-102 CGCG 160-102 PGC 44921
IC 4070		Glxy		
IC 4066		Non-Existent		(STAR)
IC 843		Glxy S0	14.6	UGC 8137 MCG 5-31-100 CGCG 160-99 PGC 44908
NGC 4923	H394-2	Glxy (R')SA(r)0-?	14.7	MCG 5-31-101 CGCG 160-97 PGC 44903
NGC 4921	H393-2	Glxy SB(rs)ab	13	UGC 8134 MCG 5-31-98 CGCG 160-95 PGC 44899
NGC 4922		Glxy I0 pec	13.9	UGC 8135 MCG 5-31-99 CGCG 160-96 VV 609 IRAS 12590+2934 PGC 44896
IC 4059		Glxy		
NGC 4919		Glxy (R')SA(r)0^:	15.1	UGC 8133 MCG 5-31-97 CGCG 160-94 PGC 44885
IC 4058		Glxy		
IC 4057		Non-Existent		(STAR)
IC 4055		Non-Existent		
IC 4054		Non-Existent		(STAR)
IC 4053		Non-Existent		(STAR)
IC 4047		Glxy S	16	MCG 3-33-21 CGCG 100-21 PGC 44816
NGC 4911	H392-2	Glxy SAB(r)bc	13.6	UGC 8128 MCG 5-31-93 CGCG 160-260 IRAS 12584+2803 PGC 44840
IC 4051	H363-3	Glxy E0	14.2	UGC 8129 MCG 5-31-90 CGCG 160-259 PGC 44832
NGC 4911A		Glxy S0	15.3	
NGC 4908		Glxy E5	14.7	MCG 5-31-92 CGCG 160-258 PGC 44828
NGC 4907		Glxy SB(r)b	14.4	MCG 5-31-89 CGCG 160-257 PGC 44819
IC 4045		Glxy E4	15	MCG 5-31-88 CGCG 160-256 PGC 44818

## Coma Berenices - Berenice's Hair

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 4044		Glxy S0-a	15.4	
IC 4042A		Glxy S0	15	
IC 4042		Glxy SB0	15.3	CGCG 160-255 PGC 44808
IC 4041		Glxy E6	15.3	MCG 5-31-86 CGCG 160-254 PGC 44804
NGC 4906		Glxy E3	15.1	CGCG 160-253 PGC 44799
IC 4039		Glxy		
IC 842		Glxy S?	14.7	UGC 8118 MCG 5-31-87 CGCG 160-88 PGC 44795
IC 4040		Glxy Sdm:	15.4	MCG 5-31-85 CGCG 160-252 IRAS 12582+2819 KUG 1258+283 PGC 44789
NGC 4896		Glxy S0- pec:	14.9	UGC 8117 MCG 5-31-84 CGCG 160-87 PGC 44768
IC 4025		Glxy		
IC 4033		Glxy S0	15	
IC 4030		Glxy S0	15.5	
IC 4032		Glxy C	15.5	MCG 5-31-83 CGCG 160-85 PGC 44756
IC 4023		Glxy		
IC 4026		Glxy SB0	15.6	CGCG 160-250 PGC 44749
IC 4019		Non-Existent		
NGC 4895		Glxy SA0 pec sp	14.2	UGC 8113 MCG 5-31-81 CGCG 160-249 PGC 44737
IC 4017		Glxy		
IC 4021		Glxy E	15.9	MCG 5-31-80 CGCG 160-246 ARAK399 PGC 44726
IC 4014		Glxy		
NGC 4895A		Glxy E	16	CGCG 160-245 PGC 44717
NGC 4889	H391-2	Non-Existent		NGC 4884
IC 4012		Glxy E	16	CGCG 160-244 PGC 44714
IC 4008		Non-Existent		(STAR)
IC 4007		Glxy		
NGC 4886		Non-Existent		NGC 4882
NGC 4892	H390-2	Glxy S	14.9	UGC 8108 MCG 5-31-78 CGCG 160-81 PGC 44697
IC 4005		Non-Existent		(STAR)
NGC 4881		Glxy E+	14.6	UGC 8106 MCG 5-31-75 CGCG 160-238 PGC 44686
NGC 4883		Glxy SB0	15.4	CGCG 160-237 PGC 44682
IC 3994		Glxy		
IC 841		Glxy S	15.4	
IC 3985		Glxy		
IC 3984		Non-Existent		(STAR)
IC 3991		Glxy S	15.5	MCG 5-31-72 CGCG 160-78 PGC 44632
IC 3990		Glxy S?	15.3	MCG 5-31-71 CGCG 160-77 PGC 44633
IC 3978		Glxy		
IC 3971		Glxy		
IC 3969		Non-Existent		(STAR)
IC 3968		Glxy S0	15.2	
IC 3965		Glxy		
IC 3962		Non-Existent		(STAR)
IC 3963		Glxy SA0 sp	15.8	MCG 5-31-61 CGCG 160-220 PGC 44567
IC 3964		Non-Existent		(STAR)
IC 3958		Glxy		

## Coma Berenices - Berenice's Hair

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC	3954	Glxy		
IC	3953	Glxy		
IC	3951	Glxy		
IC	3960A	Glxy	17	MCG 5-31-56 PGC 44552
IC	3959	Glxy E3	15.3	MCG 5-31-59 CGCG 160-218 PGC 44553
IC	3960	Glxy SB0	15.9	MCG 5-31-55 CGCG 160-219 PGC 44551
IC	3957	Glxy S0?	15.8	MCG 5-31-60 CGCG 160-217 PGC 44554
IC	3950	Glxy		
NGC	4860	Glxy E2:	14.6	MCG 5-31-54 CGCG 160-215 PGC 44539
NGC	4858	Glxy SBb	15.7	MCG 5-31-51 CGCG 160-213 IRAS 12566+2823 PGC 44535
NGC	4859	Glxy S0/a	14.6	UGC 8097 MCG 5-31-53 CGCG 160-71 PGC 44534
IC	3948	Glxy		
IC	3949	Glxy S	15.1	UGC 8096 MCG 5-31-52 CGCG 160-212 KUG 1256+281 PGC 44524
IC	3947	Glxy SA0	15.5	CGCG 160-211 PGC 44515
IC	3946	Glxy SA0 sp	15.1	MCG 5-31-50 CGCG 160-210 PGC 44508
NGC	4854	Glxy SB0	14.9	MCG 5-31-49 CGCG 160-70 PGC 44502
IC	3944	Glxy		
IC	3943	Glxy	15.6	CGCG 160-69 PGC 44485
NGC	4853	Glxy (R')SA0-?	14.4	UGC 8092 MCG 5-31-48 CGCG 160-68 2ZW67 IRAS 12561+2752 KUG 1256+278B PGC 44481
IC	3939	Non-Existent		
IC	3938	Non-Existent		(STAR)
IC	3937	Glxy		
NGC	4851	Glxy SBa	15.2	IC 839 CGCG 160-61 PGC 44439
NGC	4850	Glxy SA0	15.2	MCG 5-31-40 CGCG 160-63 PGC 44449
IC	839	Glxy SBa	15.2	CGCG 160-61 PGC 44439
IC	3936	Non-Existent		(STAR)
IC	3934	Glxy		
NGC	4849A	Non-Existent		
IC	838	Glxy SB	16.1	MCG 5-31-43 PGC 44444
NGC	4849	Glxy S0^:	13.9	IC 3935 PGC 44424 UGC 8086 MCG 5-31-44 CGCG 160-56
IC	3935	Non-Existent		UGC 8086 MCG 5-31-44 CGCG 160-56 PGC 44424
IC	3932	Non-Existent		(STAR)
NGC	4848	Glxy SBab: sp	14.4	UGC 8082 MCG 5-31-39 CGCG 160-55 IRAS 12556+2830 KUG 1255+285 PGC 44405
IC	3931	Glxy		
IC	3929	Glxy		
NGC	4842	Non-Existent		NGC 4842A
NGC	4841B	Non-Existent		NGC 4841-2 PGC 44329 UGC 8073 MCG 5-31-27 CGCG 160-44
NGC	4840	H385-2 Glxy E1:	14.7	MCG 5-31-29 CGCG 160-42 PGC 44324
NGC	4841	H387-2 Glxy E	13.1	
NGC	4841A	Non-Existent		NGC 4841-1 PGC 44323 UGC 8072 MCG 5-31-26 CGCG 160-44
IC	837	Glxy S?	15.6	MCG 5-31-28 CGCG 160-41 PGC 44322
IC	3926	Non-Existent		
IC	3924	Glxy		
IC	3918	Glxy S	15.6	IC 3917 CGCG 130-2 KARA560 KUG 1254+226 PGC 44205

## Coma Berenices - Berenice's Hair

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 3917		Non-Existent		(STAR)
IC 3915		Non-Existent		(STAR)
IC 3907		Glxy		
NGC 4817		Glxy		
IC 3905		Glxy		
IC 3901		Non-Existent		(STAR)
IC 3899		Glxy		
NGC 4807A		Glxy E5	15.2	
IC 3894		Non-Existent		(STAR)
NGC 4805		Non-Existent		STAR UGC 866 MCG 0-4-87 CGCG 385-72 PGC 44030
IC 3886		Glxy		
IC 3884		Glxy		
NGC 4797		Glxy		
IC 3882		Glxy		
IC 3881		Glxy SBcd:	13.7	UGC 8036 MCG 3-33-16 CGCG 100-17 PGC 43961
IC 3880		Glxy		
IC 3877		Glxy		
IC 3876		Glxy		
IC 3875		Glxy		
IC 3874		Glxy		
IC 3873		Glxy		
IC 3872		Glxy		
IC 3871		Glxy		
IC 3870		Glxy		
IC 3869		Glxy		
IC 3868		Glxy		
IC 3867		Glxy		
IC 3866		Glxy S	15.4	
IC 3865		Glxy		
IC 3864		Glxy		
IC 3860		Non-Existent		
IC 832		Glxy E?	14.9	MCG 5-30-119 CGCG 159-105 IRAS 12514+2640 PGC 43848
IC 3858		Non-Existent		(STAR)
IC 3857		Glxy		
IC 3856		Glxy		
IC 3851		Non-Existent		(STAR)
NGC 4758	H70-3	Glxy Im:	13.6	UGC 8014 MCG 3-33-15 CGCG 100-15 IRAS 12502+1607 PGC 43707
IC 831		Glxy E	15.4	MCG 5-30-113 CGCG 159-100 PGC 43708
IC 3848		Glxy		
IC 3846		Non-Existent		
IC 3847		Glxy		
NGC 4752	H82-3	Glxy		
IC 827		Glxy S?	14.9	UGC 8008 MCG 3-33-14 CGCG 100-14 IRAS 12494+1633 PGC 43607
IC 3841		Non-Existent		(STAR)
IC 3840		Non-Existent		

## Coma Berenices - Berenice's Hair

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 3839		Non-Existent		(STAR)
IC 3837		Glxy		
NGC 4745A		Non-Existent		
NGC 4745B		Glxy S0	14.8	
IC 826		Glxy S?	14.9	MCG 5-30-106 CGCG 159-95 PGC 43538
NGC 4735		Glxy S?	15.5	MCG 5-30-104 CGCG 159-91 IRAS 12485+2911 KUG 1248+291 PGC 43509
IC 3830		Non-Existent		(STAR)
NGC 4728B		Glxy Sbc	13.9	
NGC 4728C		Glxy S	15	
NGC 4728A		Non-Existent		
IC 3821		Non-Existent		(STAR)
NGC 4715		Glxy SA0+	14.1	UGC 7986 MCG 5-30-96 CGCG 159-85 PGC 43399
IC 3818		Glxy		
IC 3817		Glxy		
NGC 4710	H95-2	Glxy SA(r)0+? sp	11.9	UGC 7980 MCG 3-33-9 CGCG 100-11 IRAS 12471+1526 PGC 43375
IC 3815		Glxy		
NGC 4712		Glxy SA(s)bc	13.3	UGC 7977 MCG 4-30-21 CGCG 129-25 IRAS 12471+2544 KUG 1247+257 PGC 43368
IC 3814		Glxy		
IC 3811		Non-Existent		(STAR)
NGC 4702		Glxy Irr	15.5	MCG 5-30-91 MK 657 KUG 1246+274 PGC 43317
IC 3806		Glxy Sa?	14.5	UGC 7974 MCG 3-33-6 CGCG 100-8 PGC 43303
IC 3796		Non-Existent		(STAR)
IC 3794		Non-Existent		(STAR)
IC 3793		Glxy		
IC 3788		Glxy S	17.8	MCG 3-33-5 PGC 43220
IC 3789		Glxy		
NGC 4692	H381-2	Glxy E+:	13.6	IC 823 UGC 7967 MCG 5-30-86 CGCG 159-78 PGC 43200
IC 823		Non-Existent		(STAR) UGC 7967 MCG 5-30-86 CGCG 159-78 PGC 43200
IC 3785		Glxy		
IC 3784		Glxy		
IC 822		Glxy S	15.8	MCG 5-30-85 PGC 43196
IC 821		Glxy SAB(s)bc	14.6	UGC 7957 MCG 5-30-83 CGCG 159-76 KUG 1245+300 PGC 43161
IC 3781		Non-Existent		(STAR)
IC 3776		Glxy		
NGC 4685	H398-3	Glxy S0-:	13.6	UGC 7954 MCG 3-33-4 CGCG 100-7 PGC 43143
IC 3766		Glxy		
IC 3763		Glxy		
IC 818		Glxy S?	15.5	MCG 5-30-78 CGCG 159-73 PGC 43113
IC 3762		Glxy		
IC 3761		Glxy		
IC 3759		Glxy		
IC 819		Non-Existent		UGC 7938 MCG 5-30-76 CGCG 159-72 VV 224 ARP 242 PGC 43062
IC 820		Non-Existent		UGC 7939 MCG 5-30-77 CGCG 159-72 VV 224 ARP 242 PGC 43065
NGC 4676	H326-2	Non-Existent		The Mice NGC 4676A
IC 3755		Non-Existent		(STAR)

## Coma Berenices - Berenice's Hair

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 3753		Non-Existent		(STAR)
IC 3752		Non-Existent		(STAR)
IC 3750		Non-Existent		(STAR)
IC 3749		Non-Existent		(STAR)
IC 3748		Non-Existent		(STAR)
IC 3745		Glxy S0	14.9	MCG 3-33-3 CGCG 100-6 PGC 43009
IC 3744		Glxy		
IC 3741		Non-Existent		(STAR)
IC 3742		Glxy SB	14.1	UGC 7932 MCG 2-33-11 CGCG 71-32 VCC2023 PGC 43001
IC 3740		Glxy	15.6	CGCG 129-24 PGC 42995
IC 3738		Non-Existent		(STAR)
IC 3735		Glxy E?	14.8	MCG 2-33-10 CGCG 71-31 VCC2019 PGC 42991
IC 3736		Glxy S?	15.7	MCG 4-30-20 CGCG 129-23 PGC 42986
IC 3737		Non-Existent		(STAR)
IC 3734		Glxy S?	14.4	IC 3734 IC 813 UGC 7928 MCG 4-30-19 CGCG 129-22 PGC 42981
IC 813		Glxy Sbc	13.6	IC 3734 IC 813 UGC 7928 MCG 4-30-19 CGCG 129-22 PGC 42981
IC 3730		Glxy S?	15.1	MCG 4-30-18 CGCG 129-21 ARAK386 IRAS 12426+2126 PGC 42971
IC 3728		Glxy		
IC 3725		Non-Existent		IC 3725 UGC 7923 MCG 3-33-2 CGCG 100-5 IRAS 12423+1901 PGC 42956
IC 3721		Glxy S?	15	IC 3721 UGC 7923 MCG 3-33-2 CGCG 100-5 IRAS 12423+1901 PGC 42956
NGC 4659	H127-2	Glxy S0/a	13.1	UGC 7915 MCG 2-33-7 CGCG 71-24 VCC1999 PGC 42913
IC 3715		Glxy		
IC 3705		Glxy		
IC 3700		Non-Existent		
IC 3699		Non-Existent		
IC 3696		Glxy		
IC 3695		Non-Existent		(STAR)
IC 3692		Glxy SBa:	14.7	UGC 7885 MCG 4-30-16 CGCG 129-20 KARA548 PGC 42743
IC 3691		Glxy		
NGC 4634	H603-3	Glxy SBcd: sp	13.2	UGC 7875 MCG 3-32-86 CGCG 99-112 CGCG 100-2 VCC1932 IRAS 12401+1434 PGC 42707
NGC 4635		Glxy SAB(s)d	13.2	UGC 7876 MCG 3-32-87 CGCG 100-3 CGCG 99-113 IRAS 12402+2012 KARA547 PGC 42704
NGC 4633		Glxy SAB(s)dm:	13.8	IC 3688 PGC 42699 UGC 7874 MCG 3-32-85 CGCG 99-111 CGCG 100-1 VCC1929
IC 3688		Non-Existent		UGC 7874 MCG 3-32-85 CGCG 99-111 CGCG 100-1 VCC1929 PGC 42699
IC 3689		Glxy		
IC 3683		Glxy S	16.3	
IC 3682		Non-Existent		(STAR)
IC 3678		Glxy S	15.9	
IC 3679		Non-Existent		(STAR)
IC 3677		Glxy		
IC 3676		Non-Existent		(STAR)
IC 3674		Non-Existent		(STAR)
IC 3673		Non-Existent		(STAR)
IC 808		Non-Existent		(STAR)
IC 3671		Glxy SBR	15.5	MCG 4-30-15 CGCG 129-19 PGC 42599

## Coma Berenices - Berenice's Hair

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 3664		Non-Existent		(STAR)
IC 3662		Glxy S?	15.1	MCG 4-30-14 CGCG 129-17 PGC 42583
IC 3661		Glxy		
IC 3660		Non-Existent		(STAR)
IC 3659		Glxy		
NGC 4611		Glxy S?	15.1	IC 805 PGC 42564 UGC 7849 MCG 2-32-179 CGCG 70-218 VCC1878
IC 3658		Glxy E?	14.9	CGCG 99-110 VCC1876 PGC 42558
IC 3657		Non-Existent		(STAR)
IC 805		Non-Existent		
IC 3656		Glxy		
IC 3655		Glxy		
IC 3654		Glxy		
IC 3651		Glxy S0	14.2	UGC 7835 MCG 5-30-54 CGCG 159-50 PGC 42500
IC 3650		Non-Existent		(STAR)
IC 3649		Glxy		
IC 3646		Glxy S?	15.6	MCG 5-30-53 CGCG 159-49 IRAS 12381+2647 PGC 42478
IC 3645		Non-Existent		(STAR) MCG 5-30-52 PGC 42479
IC 3644		Glxy Sb	14.9	
IC 3641		Glxy S	16.7	
IC 3642		Glxy		
IC 3640		Glxy		
IC 3637		Glxy dS0(6) pec:	14.8	CGCG 99-107 VCC1836 PGC 42443
IC 3636		Non-Existent		(STAR)
IC 3632		Glxy		
NGC 4595	H632-2	Glxy SAB(rs)b?	12.9	UGC 7826 MCG 3-32-81 CGCG 99-106 VCC1811 IRAS 12373+1534 PGC 42396
IC 3629A		Glxy S	16.4	MCG 2-32-167 PGC 42390
IC 3630		Non-Existent		(STAR)
IC 3629		Glxy S	15.3	CGCG 70-205 VCC1808 PGC 42387
IC 3629B		Glxy L	16.8	MCG 2-32-168 VCC1806 PGC 42381
IC 3628		Non-Existent		(STAR)
IC 3627		Glxy		
IC 3626		Glxy	15.7	CGCG 129-14 PGC 42355
IC 3622		Glxy		
IC 3621		Glxy		
IC 3623		Glxy E?	15.1	MCG 5-30-50 CGCG 159-46 PGC 42353
IC 3620		Glxy I?	15.5	CGCG 159-44 PGC 42330
IC 3619		Non-Existent		(STAR)
IC 3618		Glxy S?	15.1	CGCG 159-41 PGC 42315
IC 3616		Non-Existent		IC 3616 UGC 7814 CGCG 99-102 VCC1779 PGC 42309
IC 3613		Glxy		
IC 3612		Glxy S	15	IC 3616 UGC 7814 CGCG 99-102 VCC1779 PGC 42309
IC 3611		Glxy S?	14.2	UGC 7817 MCG 2-32-164 CGCG 70-202 VCC1778 PGC 42307
IC 3615		Glxy Sc	15.3	UGC 7815 MCG 3-32-79 CGCG 99-104 PGC 42306
IC 3614		Glxy		
IC 3610		Glxy		

## Coma Berenices - Berenice's Hair

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 3609		Glxy S	15.4	CGCG 99-101 VCC1765 PGC 42251
IC 3605		Glxy		
NGC 4585		Glxy S?	15	MCG 5-30-42 CGCG 159-37 IRAS 12357+2912 PGC 42215
IC 3603		Glxy		
IC 3601		Glxy		
IC 3600		Glxy S0?	15.4	MCG 5-30-41 MK 650 CGCG 159-35 PGC 42161
IC 3599		Glxy Sb? pec	15.6	CGCG 159-34 PGC 42154
IC 3597		Glxy		
IC 3598		Glxy SA(r)ab:	14.7	UGC 7791 MCG 5-30-40 CGCG 159-33 PGC 42137
IC 3596		Non-Existent		
IC 3595		Glxy		
IC 3588		Non-Existent		UGC 7788 MCG 2-32-156 CGCG 70-194 VCC1696 IRAS 12344+1429 PGC 42100 (STAR)
IC 3594		Non-Existent		
IC 3593		Glxy Sa?	15.3	MCG 5-30-39 MK 776 CGCG 159-30 PGC 42098
NGC 4559B		Non-Existent		
IC 3592		Glxy Sa?	15.1	UGC 7789 MCG 5-30-38 MK 775 CGCG 159-31 PGC 42097
NGC 4559A		Non-Existent		
IC 3590		Glxy		
IC 3587		Glxy Scd:	16.4	UGC 7787 MCG 5-30-36 IRAS 12343+2749 PGC 42083
IC 3585		Glxy SA(s)0^:	14.4	UGC 7783 MCG 5-30-35 CGCG 159-28 PGC 42067
IC 3581		Glxy S?	15.5	MCG 4-30-9 CGCG 129-12 ARAK381 PGC 42076
IC 3580		Glxy		
IC 3582		Glxy Sab?	15.5	UGC 7778 MCG 4-30-8 MK 649 CGCG 129-11 ARAK380 PGC 42060
IC 3579		Non-Existent		
IC 3575		Glxy		
IC 3567		Glxy S	14.9	CGCG 70-187 VCC1660 PGC 42044
IC 3571		Glxy		
IC 3570		Non-Existent		(STAR)
NGC 4563		Glxy	15.7	MCG 5-30-33 CGCG 159-25 PGC 42030
IC 3565		Glxy		
IC 3564		Non-Existent		(STAR)
NGC 4561	H407-2	Glxy SB(rs)dm	12.9	IC 3569 PGC 42020 UGC 7768 MCG 3-32-76 CGCG 99-98 VV 571 IRAS 12336+1935
IC 3569		Non-Existent		UGC 7768 MCG 3-32-76 CGCG 99-98 VV 571 IRAS 12336+1935 PGC 42020
IC 3557		Glxy S	14.6	MCG 3-32-77 PGC 42015
IC 3563		Knt in Glxy		
IC 3561		Glxy S	15.8	MCG 5-30-32 CGCG 159-26 PGC 42013
IC 3560		Glxy		
IC 3556		Glxy S?	15.4	MCG 5-30-29 CGCG 159-25 PGC 42005
IC 3559		Glxy S	15.6	
IC 3555		Knt in Glxy GxyP		
IC 3554		Non-Existent		(STAR)
IC 3553		Non-Existent		(STAR)
IC 3552		Knt in Glxy		
IC 3551		Knt in Glxy		

## Coma Berenices - Berenice's Hair

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 4558		Glxy	15.6	MCG 5-30-28 CGCG 159-23 PGC 41995
IC 3550		Knt in Glxy		
NGC 4559C		Non-Existent		
NGC 4557		Non-Existent		STAR ESO 475-15 MCG -5-4-25 PGC 42019
IC 3549		Non-Existent		(STAR)
IC 3547		Non-Existent		(STAR)
IC 3544		Non-Existent		
NGC 4556	H380-2	Glxy E+:	14.1	UGC 7765 MCG 5-30-27 CGCG 159-22 PGC 41980
IC 3546		Glxy S	15.3	MCG 4-30-5 CGCG 129-9 CGCG 159-20 PGC 41976
NGC 4565B		Non-Existent		
IC 3543		Glxy Sc	16.5	UGC 7764 PGC 41974
NGC 4565C		Non-Existent		
NGC 4555	H343-2	Glxy E	13.1	IC 3545 PGC 41975 UGC 7762 MCG 5-30-26 CGCG 159-21
IC 3545		Non-Existent		
NGC 4562		Glxy SB(s)dm: sp	14	NGC 4565A PGC 41955 UGC 7758 MCG 4-30-4 CGCG 129-8
NGC 4565A		Non-Existent		
IC 3541		Non-Existent		(STAR)
IC 3539		Non-Existent		(STAR)
IC 3536		Glxy Spiral	15.5	MCG 5-30-24 PGC 41912
IC 3538		Non-Existent		
IC 3535		Non-Existent		(STAR)
IC 3534		Glxy		
IC 3533		Glxy C	15.8	MK 774 CGCG 129-7 KARA537 PGC 41891
IC 3532		Non-Existent		
IC 3531		Glxy C	15.2	
IC 3528		Glxy SAB(r)b	15.2	MCG 3-32-74A CGCG 99-95 VCC1593 PGC 41882
NGC 4540	H94-2	Glxy SAB(rs)cd	12.4	UGC 7742 MCG 3-32-74 CGCG 99-93 VCC1588 IRAS 12323+1549 PGC 41876
IC 3530		Glxy S0	14.6	MCG 3-32-73 CGCG 99-94 PGC 41853
IC 3529		Non-Existent		(STAR)
IC 3522		Glxy IBm: sp	15.2	UGC 7737 MCG 3-32-72 DDO136 VCC1585 PGC 41865
IC 3527		Non-Existent		(STAR)
IC 3524		Non-Existent		(STAR)
IC 3526		Non-Existent		(STAR)
IC 3523		Glxy Sb	16.5	
NGC 4539		Glxy SB(s)a: sp	12.9	UGC 7735 MCG 3-32-71 CGCG 99-92 PGC 41839
IC 3520		Glxy S?	15	CGCG 70-178 VCC1569 PGC 41830
IC 3519		Glxy		
IC 3514		Non-Existent		(STAR)
IC 3516		Glxy Sbc	15.5	UGC 7724 MCG 5-30-22 PGC 41808
IC 3515		Glxy		
IC 3513		Non-Existent		(STAR)
IC 3512		Non-Existent		(STAR)
IC 3511		Non-Existent		(STAR)
IC 3505		Glxy SB	15.2	MCG 3-32-70 CGCG 99-91 VCC1542 IRAS 12316+1614 PGC 41792
IC 3508		Glxy S0?	14.8	MCG 5-30-21 CGCG 159-17 PGC 41774

## Coma Berenices - Berenice's Hair

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 3507		Glxy		
IC 800		Glxy SB(rs)c pec?	14.1	UGC 7716 MCG 3-32-69 CGCG 99-90 VCC1532 PGC 41763
IC 3501		Glxy d:E1	14.7	MCG 2-32-139 CGCG 70-170 VCC1528 PGC 41754
NGC 4525	H325-2	Glxy Scd:	12.9	UGC 7714 MCG 5-30-20 CGCG 159-16 KUG 1231+305 PGC 41755
IC 3500		Glxy SB?	15.4	CGCG 70-171 VCC1526 PGC 41751
NGC 4523		Glxy SAB(s)m	14.4	UGC 7713 MCG 3-32-68 DDO135 CGCG 99-89 VCC1524 IRAS 12313+1526 PGC 41746
IC 3502		Glxy		
IC 3497		Non-Existent		
IC 3495		Non-Existent		(STAR)
IC 3498		Glxy Sb	14.9	
IC 3496		Non-Existent		
IC 3494		Glxy E	16.6	
IC 3491		Glxy S?	15.2	
IC 3488		Glxy S	15.4	MCG 5-30-19 CGCG 159-14 PGC 41671
NGC 4516	H78-3	Glxy SB(rs)ab?	12.8	UGC 7703 MCG 3-32-67 CGCG 99-87 VCC1479 PGC 41661
IC 3484		Glxy S	15.2	MCG 3-32-66 CGCG 99-88 VCC1476 PGC 41655
NGC 4515	H93-2	Glxy S0-:	13.3	UGC 7701 MCG 3-32-65 CGCG 99-86 VCC1475 PGC 41652
IC 3482		Glxy		
IC 3478		Glxy SAB0:	14.2	UGC 7696 MCG 2-32-126 CGCG 70-158 VCC1453 PGC 41614
NGC 4514	H302-3	Glxy Sbc	14	UGC 7693 MCG 5-30-15 CGCG 159-11 PGC 41610
IC 3480		Non-Existent		
IC 3479		Glxy		
IC 3054		Glxy		
NGC 4192B		Non-Existent		
IC 3053		Glxy S R	15.4	CGCG 98-109 VCC95 PGC 39038
IC 3050		Non-Existent		UGC 7235 MCG 2-31-54 CGCG 69-92 VCC89 IRAS 12112+1342 KUG 1211+137 PGC 39025
IC 3049		Glxy Double System	15.1	UGC 7227 CGCG 98-105 VCC83 PGC 39009
NGC 4192A		Glxy Scd	15	
IC 3044		Glxy SB(s)cd pec:	14.2	UGC 7216 MCG 2-31-51 CGCG 69-89 VCC67 KUG 1210+142 PGC 38945
NGC 4173	H372-2	Non-Existent		NGC 4171
IC 765		Non-Existent		(STAR)
NGC 4146	H327-3	Glxy (R)SAB(s)ab:	13.6	UGC 7163 MCG 5-29-28 CGCG 158-36 PGC 38721
IC 3023		Glxy Im:	15.2	UGC 7150 MCG 3-31-51 VCC17 PGC 38692
IC 3020		Glxy		
IC 3018		Non-Existent		
IC 3017		Glxy S?	15.9	CGCG 69-64 VCC10 KUG 1206+138 PGC 38627
IC 3019		Glxy E	14.2	UGC 7136 MCG 2-31-38 CGCG 69-65 VCC9 PGC 38624
NGC 4084		Glxy S?	15.4	MCG 4-29-14 CGCG 128-17 PGC 38272
IC 759		Non-Existent		
NGC 4080	H355-3	Glxy Im?	14.3	UGC 7068 MCG 5-29-6 CGCG 158-12 IRAS 12023+2715 KUG 1202+272 PGC 38244
NGC 4059		Glxy		
NGC 4055		Glxy		
NGC 4053		Glxy S0/a	14.8	UGC 7029 MCG 3-31-24 CGCG 98-32 PGC 38069
NGC 4049	H390-3	Glxy I?	14.3	UGC 7027 MCG 3-31-21 CGCG 98-31 KUG 1200+190 PGC 38050

## Coma Berenices - Berenice's Hair

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 4048		Glxy S?	14.6	UGC 7023 MCG 3-31-20 CGCG 98-30 VV 384 IRAS 12002+1817 KUG 1200+182 PGC 38040
NGC 4040		Glxy E	14.3	UGC 7013 MCG 3-31-18 CGCG 98-28 PGC 37993
IC 2998		Non-Existent		
NGC 4093		Glxy E?	15.3	MCG 4-29-21 CGCG 128-24 PGC 38323
NGC 4092		Glxy S?	14.2	UGC 7087 MCG 4-29-20 CGCG 128-23 IRAS 12032+2045 PGC 38338
NGC 4091		Glxy S	15.2	UGC 7083 MCG 4-29-19 CGCG 128-22 PGC 38308
NGC 4089		Glxy E?	14.6	MCG 4-29-17 CGCG 128-20 PGC 38298
NGC 4086		Glxy S0	14.6	UGC 7076 MCG 4-29-16 CGCG 128-18 PGC 38290
NGC 4090		Glxy Sab	14.9	IC 2997 UGC 7077 MCG 4-29-15 CGCG 128-19 IRAS 12028+2035 PGC 38288
IC 2997		Non-Existent		NGC 4090 UGC 7077 MCG 4-29-15 CGCG 128-19 IRAS 12028+2035 PGC 38288
NGC 4057		Glxy		PGC 38278
NGC 4134	H371-2	Glxy Sb	13.6	UGC 7130 MCG 5-29-23 CGCG 158-31 IRAS 12066+2927 KUG 1206+294 PGC 38605
NGC 4132	H357-3	Glxy S	14.9	MCG 5-29-20 CGCG 158-30 IRAS 12064+2931 KUG 1206+295A PGC 38593
NGC 4131	H356-3	Glxy S	14.1	UGC 7126 MCG 5-29-19 CGCG 158-29 PGC 38573
NGC 4126	H68-3	Glxy S0	14.4	UGC 7123 MCG 3-31-47 CGCG 98-65 PGC 38565
IC 763		Glxy S?	15.3	MCG 4-29-35 CGCG 128-38 PGC 38525
IC 762		Glxy S?	15.2	MCG 4-29-34 CGCG 128-37 KUG 1205+260 PGC 38532
IC 3008		Glxy S?	14.9	MCG 2-31-31 CGCG 69-55 PGC 38512
IC 3003		Glxy S0	15.2	MCG 6-27-13 CGCG 187-11 PGC 38490
IC 3007		Glxy Sm:	15.1	CGCG 158-27 PGC 38486
NGC 4115		Non-Existent		
NGC 4122		Non-Existent		NGC 4113 PGC 38451 MCG 6-27-11 CGCG 187-9
NGC 4110		Glxy SBb	14.5	UGC 7102 MCG 3-31-40 CGCG 98-58 PGC 38441
NGC 4104	H370-2	Glxy S0	13.1	UGC 7099 MCG 5-29-16 CGCG 158-24 IRAS 12040+2827 PGC 38407
NGC 4101	H326-3	Glxy S0/a	14.5	UGC 7093 MCG 4-29-25 CGCG 128-27 PGC 38373
NGC 4099	H384-3	Non-Existent		
NGC 4098	H383-3	Glxy S?	14.5	NGC 4099-1 PGC 38365 UGC 7091 MCG 4-29-23 CGCG 128-26 VV 61
NGC 4095	H382-3	Glxy E?	14.5	MCG 4-29-22 CGCG 128-25 PGC 38324
NGC 4028	H3-3	Non-Existent		
NGC 4021	H324-3	Glxy E	15.5	MCG 4-28-112 CGCG 127-124 ARAK339 PGC 37730
NGC 4018		Glxy Sab	14.7	UGC 6966 MCG 4-28-108 CGCG 127-123 IRAS 11561+2535 KUG 1156+255 PGC 37699
NGC 4019		Glxy		
NGC 4022		Glxy SAB0^:	14	UGC 6975 MCG 4-28-111 CGCG 127-125 PGC 37729

**Sub Total: 878**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 755		Glxy	14	UGC 7001 MCG 2-31-14 CGCG 69-24 IRAS 11585+1423 PGC 37912
IC 803		Glxy S	15.9	MCG 3-32-80 CGCG 99-105 VV 564 ARP 149 IRAS 12371+1651 PGC 42367
IC 834		Glxy S	15.3	MCG 5-31-11 CGCG 160-22 PGC 44138
IC 835		Glxy S?	15.1	MCG 5-31-21 CGCG 160-32 KUG 1254+267 PGC 44200
NGC 4015	H323-3	Glxy Double System	14.2	UGC 6965 MCG 4-28-109 CGCG 127-122 VV 216 ARP 138
NGC 4032	H404-2	Glxy Im:	12.8	UGC 6995 MCG 3-31-10 CGCG 98-19 IRAS 11579+2021 KUG 1157+203 PGC

## Coma Berenices - Berenice's Hair

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
				37860
NGC 4042		Glxy		
NGC 4017	H369-2	Glxy SABbc	13	UGC 6967 MCG 5-28-65 CGCG 157-69 VV 424 ARP 305 IRAS 11561+2743 KUG 1156+277 PGC 37705
NGC 4016		Glxy SBdm:	13.8	UGC 6954 MCG 5-28-63 CGCG 157-68 KUG 1155+278 ARP 305 PGC 37687
NGC 4056		Glxy		PGC 38140
NGC 4061		Glxy E	14.1	PGC 38146 UGC 7044 MCG 4-29-6 CGCG 128-5 CGCG 98-40 VV 49
NGC 5089	H327-2	Glxy S?	14	UGC 8371 MCG 5-31-175 CGCG 160-194 CGCG 161-12 IRAS 13173+3031 KUG 1317+305 PGC 46477
NGC 5065	H308-3	Glxy Sd	14.2	UGC 8356 MCG 5-31-170 CGCG 160-181 IRAS 13151+3121 PGC 46293
NGC 5057	H307-3	Glxy S0	14	UGC 8342 MCG 5-31-169 CGCG 160-176 PGC 46202
NGC 5056	H306-3	Glxy Scd:	13.7	UGC 8337 MCG 5-31-166 CGCG 160-173 IRAS 13138+3112 KUG 1313+312 PGC 46180
NGC 5053	H7-6	Globular	9	
NGC 5024		Globular	7.7	M 53
NGC 5012	H85-1	Glxy SAB(rs)c	12.9	UGC 8270 MCG 4-31-12 CGCG 130-16 IRAS 13091+2310 KUG 1309+231 PGC 45795
NGC 4944	H395-2	Glxy S0/a? sp	13.8	UGC 8167 MCG 5-31-118 CGCG 160-124 PGC 45133
NGC 4926A		Glxy S0 pec?	15.2	MCG 5-31-107 CGCG 160-106 KUG 1259+279 PGC 44968
NGC 4926		Glxy SA0-:	14	UGC 8142 MCG 5-31-103 CGCG 160-103 PGC 44938
NGC 4898		Glxy E pec	14.5	MCG 5-31-82 CGCG 160-248 PGC 44736
NGC 4894		Glxy SA0	15.1	CGCG 160-247 PGC 44732
NGC 4884	H391-2	Glxy E+4	12.5	NGC 4889 PGC 44715 UGC 8110 MCG 5-31-77 CGCG 160-241
NGC 4882		Glxy E0	13.8	NGC 4886 PGC 44698 MCG 5-31-76 CGCG 160-239
NGC 4876		Glxy E5	15.4	MCG 5-31-73 CGCG 160-234 ARAK398 PGC 44658
NGC 4875		Glxy SA0	15.7	CGCG 160-232 PGC 44640
NGC 4874	H389-2	Glxy E+0	12.6	UGC 8103 MCG 5-31-70 CGCG 160-231 PGC 44628
NGC 4873		Glxy SA0	15.1	MCG 5-31-69 CGCG 160-229 PGC 44621
NGC 4872		Glxy SB0	15.4	MCG 5-31-68 CGCG 160-230 PGC 44624
NGC 4871		Glxy SA0	15.2	MCG 5-31-66 CGCG 160-227 PGC 44606
NGC 4869	H388-2	Glxy E3	14.8	MCG 5-31-65 CGCG 160-225 PGC 44587
NGC 4867		Glxy E3	15.4	MCG 5-31-62 CGCG 160-222 PGC 44568
NGC 4865		Glxy E6	14.6	UGC 8100 MCG 5-31-64 CGCG 160-224 PGC 44578
NGC 4864		Glxy E2	14.6	MCG 5-31-58 CGCG 160-221 ARAK397 PGC 44566
NGC 4842B		Glxy E3:	15.4	MCG 5-31-31 CGCG 160-46 PGC 44338
NGC 4842A		Glxy E0	14.2	MCG 5-31-30 CGCG 160-46 PGC 44337
NGC 4839	H386-2	Glxy E+	13	UGC 8070 MCG 5-31-25 CGCG 160-39 PGC 44298
NGC 4828		Glxy S?	15.2	MCG 5-31-17 CGCG 160-29 PGC 44176
NGC 4827	H384-2	Glxy S0-	13.9	UGC 8065 MCG 5-31-16 CGCG 160-28 PGC 44178
NGC 4826		Glxy (R)SA(rs)ab	9.4	M 64 Black-eye Galaxy CGCG 385-75 PGC 44182
NGC 4824		Glxy SA0		ESO 113-38 PGC 44162
NGC 4821		Glxy E4:	15.5	MCG 5-31-15 CGCG 160-24 PGC 44148
NGC 4819	H346-2	Glxy (R')SAB(r)a:	14.1	UGC 8060 MCG 5-31-14 CGCG 160-25 PGC 44144
NGC 4816	H383-2	Glxy S0-:	13.8	UGC 8057 MCG 5-31-10 CGCG 160-21 PGC 44114
NGC 4807		Glxy SAB0- pec:	14.5	UGC 8049 MCG 5-31-6 CGCG 160-17 PGC 44037
NGC 4798	H382-2	Glxy S0-:	14.2	PGC 43981 UGC 8038 MCG 5-31-4 CGCG 159-118 CGCG 160-13
NGC 4793	H93-1	Glxy SAB(rs)c	12.3	UGC 8033 MCG 5-31-3 CGCG 160-11 CGCG 159-116 IRAS 12522+2912 KUG 1252+292 PGC 43939

## Coma Berenices - Berenice's Hair

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 4789A		Glxy IB(s)m	13.9	UGC 8024 MCG 5-30-120 DDO154 CGCG 159-109 CGCG 160-4 PGC 43869
NGC 4789	H345-2	Glxy SA0:	13.1	UGC 8028 MCG 5-30-124 CGCG 159-113 CGCG 160-8 PGC 43895
NGC 4788		Glxy S?	15.3	MCG 5-30-123 CGCG 160-7 CGCG 159-112 PGC 43874
NGC 4787		Glxy S0/a	15.4	UGC 8026 MCG 5-30-121 CGCG 159-111 CGCG 160-6 PGC 43875
NGC 4747	H344-2	Glxy SBcd? sp pec	13	UGC 8005 MCG 4-30-23 CGCG 129-28 ARP 159 IRAS 12492+2602 KUG 1249+260 PGC 43586
NGC 4745		Glxy S0?	16.1	MCG 5-30-105A CGCG 159-94 PGC 43539
NGC 4738		Glxy Scd?	14.2	UGC 7999 MCG 5-30-103 CGCG 159-92 PGC 43517
NGC 4728		Glxy E1	14.5	MCG 5-30-98 CGCG 159-87 PGC 43455
NGC 4725	H611-3	Glxy SAB(r)ab pec	10.1	UGC 7989 MCG 4-30-22 CGCG 129-27 IRAS 12480+2547 PGC 43451
NGC 4721		Glxy S0?	15.4	MCG 5-30-97 CGCG 159-86 PGC 43437
NGC 4689	H128-2	Glxy SA(rs)bc	11.6	UGC 7965 MCG 2-33-22 CGCG 71-43 VCC2058 IRAS 12452+1402 PGC 43186
NGC 4676B		Glxy SB(s)0/a pec	14	The Mice UGC 7939 MCG 5-30-77 CGCG 159-72 VV 224 ARP 242 PGC 43065
NGC 4676A		Glxy S0 pec?	13.8	The Mice UGC 7938 MCG 5-30-76 CGCG 159-72 VV 224 ARP 242 PGC 43062
NGC 4673	H329-3	Glxy E1-2	13.9	UGC 7933 MCG 5-30-73 MK 656 CGCG 159-70 PGC 43008
NGC 4670	H328-3	Glxy SB(s)0/a pec:	13.1	UGC 7930 MCG 5-30-72 CGCG 159-69 ARP 163 IRAS 12428+2724 KUG 1242+273 PGC 42987
NGC 4651	H12-2	Glxy SA(rs)c	11.4	UGC 7901 MCG 3-33-1 CGCG 100-4 VV 56 ARP 189 IRAS 12412+1639 KARA549 PGC 42833
NGC 4615		Glxy Scd:	13.8	UGC 7852 MCG 4-30-13 CGCG 129-18 ARP 34 IRAS 12391+2620 PGC 42584
NGC 4614		Glxy SB0/a	14.3	UGC 7851 MCG 4-30-12 CGCG 129-15 PGC 42573
NGC 4613		Glxy Sa	15.6	MCG 4-30-11 MK 780 CGCG 129-16 PGC 42570
NGC 4571	H602-3	Glxy SA(r)d	11.8	IC 3588 PGC 42100 UGC 7788 MCG 2-32-156 CGCG 70-194 VCC1696 IRAS 12344+1429
NGC 4565	H24-5	Glxy SA(s)b? sp	10.4	UGC 7772 MCG 4-30-6 CGCG 129-10 PGC 42038
NGC 4559	H92-1	Glxy SAB(rs)cd	10.5	UGC 7766 MCG 5-30-30 CGCG 159-24 IRAS 12334+2814 PGC 42002
NGC 4548	H120-2	Glxy SB(rs)b	11	M 91 MCG -1-4-18 PGC 41934
NGC 4501		Glxy SA(rs)b	10.4	M 88 CGCG 385-49 PGC 41517
NGC 4494	H83-1	Glxy E1-2	9.8	UGC 7662 MCG 4-30-2 CGCG 129-5 PGC 41441
NGC 4479	H116-2	Glxy SB(s)0^:?	13.4	UGC 7646 MCG 2-32-100 CGCG 70-134 VCC1283 PGC 41302
NGC 4477	H115-2	Glxy SB(s)0:?	11.4	UGC 7638 MCG 2-32-97 CGCG 70-129 VCC1253 IRAS 12275+1354 PGC 41260
NGC 4473	H114-2	Glxy E5	11.2	UGC 7631 MCG 2-32-93 CGCG 70-125 VCC1231 PGC 41228
NGC 4459	H161-1	Glxy SA(r)0+	11.3	UGC 7614 MCG 2-32-83 CGCG 70-116 VCC1154 IRAS 12264+1415 PGC 41104
NGC 4450	H56-2	Glxy SA(s)ab	10.9	UGC 7594 MCG 3-32-48 CGCG 99-62 VCC1110 IRAS 12259+1721 PGC 41024
NGC 4448	H91-1	Glxy SB(r)ab	12	UGC 7591 MCG 5-29-89 CGCG 158-113 CGCG 159-2 IRAS 12257+2853 PGC 40988
NGC 4419	H113-2	Glxy SB(s)a sp	12.1	UGC 7551 MCG 3-32-38 CGCG 99-54 VCC958 IRAS 12244+1519 PGC 40772
NGC 4414	H77-1	Glxy SA(rs)c?	11	UGC 7539 MCG 5-29-85 CGCG 158-108 ARAK365 KUG 1223+315 PGC 40692
NGC 4394	H55-2	Glxy (R)SB(r)b	10.8	UGC 7523 MCG 3-32-35 CGCG 99-47 VCC857 IRAS 12234+1829 PGC 40614
NGC 4382		Glxy SA(s)0+ pec	9.1	M 85 ESO 352-21 MCG -6-3-28 PGC 40515
NGC 4379	H87-2	Glxy S0- pec:	12.6	UGC 7502 MCG 3-32-26 CGCG 99-42 VCC784 PGC 40484
NGC 4359	H648-3	Glxy SB(rs)c? sp	13.4	UGC 7483 MCG 5-29-79 CGCG 158-99 IRAS 12216+3147 KUG 1221+317 PGC 40330
NGC 4350	H86-2	Glxy SA0 sp	11.9	UGC 7473 MCG 3-32-23 CGCG 99-38 ARAK362 VCC685 PGC 40295
NGC 4340	H85-2	Glxy SB(r)0+	12.1	UGC 7467 MCG 3-32-21 CGCG 99-36 VCC654 PGC 40245
NGC 4338		Glxy Sd	15.3	IC 3247 PGC 40205 UGC 7459 MCG 5-29-77 CGCG 158-96
NGC 4336	H406-2	Glxy SB0/a	13.5	IC 3254 PGC 40231 UGC 7462 MCG 3-32-20 CGCG 99-35
NGC 4328	H84-2	Glxy SA0-:	14	MCG 3-32-19 CGCG 99-34 VCC634 PGC 40209
NGC 4323		Glxy SB(r)0^:	14	NGC 4322 PGC 40171 MCG 3-32-16 CGCG 99-31 VCC608

## Coma Berenices - Berenice's Hair

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 4321		Glxy SAB(s)bc	10.1	M 100 CGCG 501-128 CGCG 502-4 KUG 109+317 PGC 40153
NGC 4314	H76-1	Glxy SB(rs)a	11.4	UGC 7443 MCG 5-29-75 CGCG 158-93 IRAS 12200+3010 KUG 1220+301 PGC 40097
NGC 4312	H628-2	Glxy SA(rs)ab: sp	12.5	UGC 7442 MCG 3-32-14 CGCG 99-29 VCC559 IRAS 12199+1548 PGC 40095
NGC 4310	H378-2	Glxy SB0	12.4	
NGC 4302	H112-2	Glxy Sc	11.6	UGC 7418 MCG 3-32-9 CGCG 99-27 VCC497 PGC 39974
NGC 4298	H111-2	Glxy SA(rs)c	11.3	UGC 7412 MCG 3-32-7 CGCG 99-24 VCC483 IRAS 12190+1452 PGC 39950
NGC 4293	H5-5	Glxy (R)SB(s)0/a	11.3	UGC 7405 MCG 3-32-6 CGCG 99-23 VCC460 IRAS 12186+1839 PGC 39907
NGC 4283	H323-2	Glxy E0	13	UGC 7390 MCG 5-29-63 CGCG 158-80 PGC 39800
NGC 4278	H90-1	Glxy E1-2	11.1	UGC 7386 MCG 5-29-62 CGCG 158-77 IRAS 12175+2933 PGC 39764
NGC 4274	H75-1	Glxy (R)SB(r)ab	11.3	UGC 7377 MCG 5-29-60 CGCG 158-71 IRAS 12173+2953 PGC 39724
NGC 4254		Glxy SA(s)c	10.4	M 99 Pin-wheel Nebula UGC 744 CGCG 501-123 4ZW39 PGC 39578
NGC 4251	H89-1	Glxy SB0? sp	11.6	UGC 7338 MCG 5-29-50 CGCG 158-60 PGC 39492
NGC 4245	H74-1	Glxy SB(r)0/a:	12.3	UGC 7328 MCG 5-29-49 CGCG 158-59 IRAS 12151+2952 PGC 39437
NGC 4239		Glxy E	13.7	UGC 7316 MCG 3-31-92 CGCG 98-129 PGC 39398
NGC 4237	H11-2	Glxy SAB(rs)bc	11.6	UGC 7315 MCG 3-31-91 CGCG 98-130 VCC226 IRAS 12146+1536 PGC 39393
NGC 4222	H109-2	Glxy Sd: sp	13.9	IC 3087 UGC 7291 MCG 2-31-75 CGCG 69-119 VCC187 IRAS 12138+1334 PGC 39308
NGC 4213	H354-2	Glxy E	13.5	UGC 7276 MCG 4-29-54 CGCG 128-65 PGC 39223
NGC 4212	H108-2	Glxy SAc:	11.8	PGC 39224 UGC 7275 MCG 2-31-70 CGCG 69-110 VCC157 IRAS 12130+1411
NGC 4211A		Glxy S0/a pec	15.5	PGC 39195 UGC 7277 MCG 5-29-43 CGCG 158-53 VV 199 ARP 106
NGC 4211		Glxy S0/a pec	14.4	UGC 7277 MCG 5-29-42 CGCG 158-53 VV 199 ARP 106 PGC 39221
NGC 4203	H175-1	Glxy SAB0-:	11.8	UGC 7256 MCG 6-27-40 CGCG 187-29 IRAS 12125+3328 PGC 39158
NGC 4196	H374-2	Glxy S0?	13.8	UGC 7245 MCG 5-29-40 CGCG 158-50 PGC 39098
NGC 4192		Glxy SAB(s)ab	11	M 98 MCG -1-4-6 PGC 39028
NGC 4189	H106-2	Glxy SAB(rs)cd?	11.7	IC 3050 PGC 39025 UGC 7235 MCG 2-31-54 CGCG 69-92 VCC89 IRAS 12112+1342 KUG 1211+137
NGC 4186		Glxy SA(s)ab:	14.6	NGC 4192B PGC 39057 UGC 7240 MCG 3-31-81 CGCG 98-111 VCC101
NGC 4185	H373-2	Glxy Sbc	12.9	UGC 7225 MCG 5-29-38 CGCG 158-47 PGC 38995
NGC 4175	H360-3	Glxy S	14.2	UGC 7211 MCG 5-29-36 CGCG 158-45 IRAS 12099+2926 Hickson 61C PGC 38912
NGC 4174	H359-3	Glxy S?	14.3	UGC 7206 MCG 5-29-34 MK 761 CGCG 158-44 ARAK351 KUG 1209+294 Hickson 61D PGC 38906
NGC 4171		Glxy SBd:	13.6	NGC 4170 NGC 4173 UGC 7204 MCG 5-29-33 CGCG 158-43 KUG 1209+294A Hickson 61B PGC 38897
NGC 4169	H358-3	Glxy S0	13.2	Box UGC 7202 MCG 5-29-32 CGCG 158-41 Hickson 61A PGC 38892
NGC 4166		Glxy SB0	14.1	UGC 7198 MCG 3-31-68 CGCG 98-96 PGC 38882
NGC 4162	H353-2	Glxy (R)SA(rs)bc	12.9	UGC 7193 MCG 4-29-46 CGCG 128-51 IRAS 12093+2423 KUG 1209+244 PGC 38851
NGC 4158	H405-2	Glxy SA(r)b:	12.9	UGC 7182 MCG 3-31-60 CGCG 98-84 IRAS 12086+2027 PGC 38802
NGC 4155		Glxy E	14.3	UGC 7172 MCG 3-31-58 CGCG 98-82 PGC 38761
NGC 4152	H83-2	Glxy SAB(rs)c	12.7	UGC 7169 MCG 3-31-52 MK 759 CGCG 98-77 VCC25 IRAS 12080+1618 PGC 38749
NGC 4150	H73-1	Glxy SA(r)0^?	12.4	UGC 7165 MCG 5-29-29 CGCG 158-37 IRAS 12080+3040 PGC 38742
NGC 4147	H19-1	Globular	10.4	
NGC 4136	H321-2	Glxy SAB(r)c	11.7	UGC 7134 MCG 5-29-25 CGCG 158-34 IRAS 12067+3012 KUG 1206+302 PGC 38618
NGC 4076	H396-3	Glxy S?	14.4	UGC 7061 MCG 3-31-34 CGCG 98-46 CGCG 128-12 IRAS 12019+2029 PGC 38209
NGC 4074	H393-3	Glxy S0: pec	15.5	MCG 4-29-11 CGCG 128-13 ARAK347 PGC 38207
NGC 4072		Glxy S0	15.8	CGCG 98-45 CGCG 128-10 PGC 38176

## Coma Berenices - Berenice's Hair

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 4070		Glxy E	14.1	PGC 38169 UGC 7052 MCG 4-29-9 CGCG 128-9
NGC 4069	H392-3	Glxy		PGC 38166
NGC 4066		Glxy E	13.9	UGC 7051 MCG 4-29-8 CGCG 128-8 PGC 38161
NGC 4065	H395-3	Glxy E	12.6	PGC 38156 UGC 7050 MCG 4-29-7 CGCG 98-42 CGCG 128-7 VV 179
NGC 4064		Glxy SB(s)a: pec	12.2	UGC 7054 MCG 3-31-33 CGCG 98-44 IRAS 12016+1843 PGC 38167
NGC 4060		Glxy S0	15.6	CGCG 128-6 PGC 38151
IC 3292		Glxy L	15.5	CGCG 99-39 VCC751 PGC 40425
IC 3976		Glxy E6	15.7	CGCG 160-226 PGC 44603
IC 4011		Glxy E	16.1	CGCG 160-242 PGC 44705
IC 3998		Glxy SB0	15.6	CGCG 160-236 PGC 44664
IC 3973		Glxy SB0	15.4	CGCG 160-228 PGC 44612
MAC 1252+2705		Glxy	15.5	
MAC 1251+2758		Glxy	17	
MAC 1251+2732		Glxy	16	
MAC 1251+2724B		Glxy	16.1	
MAC 1250+2729		Glxy	16	
MAC 1250+2722		Glxy	15.5	
MAC 1250+2718		Glxy	16	
MAC 1239+1635D		Glxy	17	
MAC 1239+1635C		Glxy	16.5	ARP 149
MAC 1239+1635B		Glxy	17.5	
MAC 1218+1422		Glxy	16	
MAC 1213+1609		Glxy	17	
MAC 1213+1607		Glxy	15.5	
MAC 1212+2908		Glxy	17.5	
MAC 1204+2023A		Glxy	16	
MAC 1204+2013		Glxy	15.5	
MAC 1204+2009		Glxy	16	
MAC 1314+2606B		Glxy	16	
MAC 1314+2606A		Glxy	17.5	ARP 60
MAC 1314+2606		Glxy	18	
MAC 1314+2605		Glxy	16	
MAC 1314+2604		Glxy	17	
MAC 1304+2811		Glxy	15.5	
MAC 1303+2811		Glxy	15.5	
MAC 1303+2810C		Glxy	16.5	
MAC 1302+2739		Glxy	16	
MAC 1301+2736B		Glxy	15	
MAC 1259+2758B		Glxy	16	
MAC 1259+2751D		Glxy	15.5	
MAC 1259+2751B		Glxy	17	
MAC 1257+2858		Glxy	15.5	
MAC 1257+2733		Glxy	17	
MAC 1257+2731		Glxy	16	
MAC 1257+2724A		Glxy	15.5	

## Coma Berenices - Berenice's Hair

Observed: Yes

<b>Object</b>	<b>Her</b>	<b>Type</b>	<b>Mag</b>	<b>Alias/Notes</b>
MAC 1257+2722A		Glxy	16	
MAC 1256+2917		Glxy	16	
MAC 1256+2857		Glxy	16	
MAC 1256+2838		Glxy	16.5	
MAC 1256+2837		Glxy	15.5	
MAC 1256+2818		Glxy	16	
MAC 1256+2809		Glxy	15.5	
MAC 1256+2806		Glxy	16.5	
MAC 1256+2804		Glxy	16	
MAC 1256+2803		Glxy	15.5	
MAC 1256+2802		Glxy	16	
MAC 1256+2757		Glxy	16	
MAC 1256+2755		Glxy	15.5	
MAC 1256+2750		Glxy	15.5	
MAC 1256+2749		Glxy	15	
MAC 1256+2743		Glxy	15.5	
MAC 1256+2742		Glxy	16.5	
MAC 1256+2741		Glxy	16	
MAC 1256+2738		Glxy	16	
MAC 1256+2732		Glxy	16.5	
MAC 1256+2730		Glxy	16	
MAC 1256+2726		Glxy	15	
MAC 1256+2725		Glxy	15.5	
MAC 1256+2717		Glxy	16.5	
MAC 1256+2713		Glxy	15	
MAC 1256+2703		Glxy	15.5	
MAC 1256+2627		Glxy	16	
MAC 1256+2625		Glxy	17	
MAC 1256+2624		Glxy	16.5	
MAC 1255+2900		Glxy	16	
MAC 1255+2824		Glxy	17	
MAC 1255+2815		Glxy	16	
MAC 1255+2756		Glxy	16	
MAC 1255+2754B		Glxy	16	
MAC 1255+2754A		Glxy	16	
MAC 1255+2751		Glxy	15.5	
MAC 1255+2748		Glxy	16.5	
MAC 1255+2747		Glxy	16	
MAC 1255+2746		Glxy	15.5	
MAC 1255+2742		Glxy	16	
MAC 1255+2736A		Glxy	16.5	
MAC 1255+2736		Glxy	16	
MAC 1255+2732		Glxy	16	
MAC 1254+2855		Glxy	16.5	
MAC 1254+2818		Glxy	16	

## Coma Berenices - Berenice's Hair

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC	1254+2805B	Glxy	16	
MAC	1254+2805A	Glxy	15	
MAC	1254+2804	Glxy	16	
MAC	1254+2737	Glxy	15.5	
MAC	1253+2856	Glxy	16	
MAC	1253+2812	Glxy	16	
MAC	1253+2747	Glxy	16	
MAC	1253+2702	Glxy	16	
MAC	1253+2657	Glxy	15.5	
MAC	1252+2824	Glxy	16	
MAC	1252+2709	Glxy	16.5	
IC	3900	Glxy SB0:	15	MCG 5-31-9 CGCG 160-19 PGC 44068
IC	3955	Glxy SA0	15.4	CGCG 160-216 PGC 44544
IC	3913	Glxy S?	15.3	MCG 5-31-12 CGCG 160-26 KUG 1254+275 PGC 44147
PGC	37702	Glxy S?	15.6	UGC 6965 MCG 4-28-110 CGCG 127-122 VV 216 ARP 138
PGC	43995	Glxy E	15.6	MCG 5-31-5 CGCG 160-14 CGCG 159-119
PGC	43965	Glxy		
PGC	43952	Glxy E	15.6	MCG 5-31-2 CGCG 159-115 CGCG 160-10
PGC	43930	Glxy SB?	15.3	MCG 5-31-1 CGCG 159-114 CGCG 160-9
PGC	43882	Glxy		
PGC	43863	Glxy Sb	14.8	UGC 8025 MCG 5-30-122 CGCG 159-110 CGCG 160-5
PGC	43847	Glxy S	16	KUG 1251+284
PGC	43840	Glxy S	15.6	CGCG 160-1 CGCG 159-106 KUG 1251+292
PGC	43726	Glxy S?	14.6	UGC 8017 MCG 5-30-114 CGCG 159-102 IRAS 12504+2838
PGC	44193	Glxy S?	15.4	MCG 5-31-20 CGCG 160-34 KUG 1254+291
PGC	44159	Glxy		
PGC	44151	Glxy L	14.5	MCG 5-31-13 CGCG 160-27
PGC	44137	Glxy	15.7	CGCG 160-23
PGC	44109	Glxy C	16	KUG 1253+265
PGC	44105	Glxy	16.2	MK 53 CGCG 160-20 ANON 1253+27 KUG 1253+279
PGC	44044	Glxy S	15.4	MCG 5-31-8 CGCG 160-18
PGC	44043	Glxy S0?	14.7	MCG 5-31-7 CGCG 160-15
PGC	44031	Glxy	15.7	CGCG 160-16
PGC	43712	Glxy S?	15.8	CGCG 159-101 KUG 1250+276
PGC	43632	Glxy Spiral	15.5	MCG 5-30-111
PGC	43631	Glxy C	15.5	CGCG 159-97 KUG 1249+272B
PGC	43619	Glxy E/S0	15.5	MCG 5-30-109
PGC	43618	Glxy E?	15.4	MCG 5-30-110 CGCG 159-98
PGC	43583	Glxy E/S0	15.5	MCG 5-30-108
PGC	43529	Glxy S	16	MCG 5-30-105
PGC	43511	Glxy S?	15.1	MCG 5-30-102 CGCG 159-90 KUG 1248+276
PGC	44432	Glxy SBcd?	14.5	UGC 8085 MCG 3-33-18 CGCG 100-18
PGC	44304	Glxy S0	14.9	CGCG 160-40
PGC	44268	Glxy S?	15.4	MCG 5-31-23 CGCG 160-37
PGC	44263	Glxy SB?	15.1	UGC 8069 MCG 5-31-24 CGCG 160-38

## Coma Berenices - Berenice's Hair

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 44229		Glxy	15.6	CGCG 160-35
PGC 44214		Glxy		
PGC 44212		Glxy S	15.7	MCG 5-31-19 CGCG 160-31
PGC 44196		Glxy E	15.2	MCG 5-31-18 CGCG 160-33 ARAK395
PGC 44195		Glxy S	16	KUG 1254+296
PGC 44654		Glxy		
PGC 44652		Glxy		
PGC 44651		Glxy		
PGC 44649		Glxy	16.6	CGCG 160-233
PGC 44644		Glxy	14.4	
PGC 44636		Glxy	14.8	
PGC 44616		Glxy	15.9	
PGC 44609		Glxy		
PGC 44602		Glxy	16.5	
PGC 46234		Glxy C	18.7	MCG 3-34-13 CGCG 101-19 VV 298 ARP 57 8ZW279
PGC 46225		Glxy SB	14.8	MCG 3-34-12 CGCG 101-19 VV 298 ARP 57
PGC 46054		Glxy C	16	ARP 196
PGC 46036		Glxy		ARP 196
PGC 45509		Glxy S?	15.3	MCG 5-31-136 CGCG 160-144 KUG 1305+270
PGC 45463		Glxy S	15.5	MCG 5-31-135 CGCG 160-142 VV 746 ARP 139
PGC 45162		Glxy SB?	15.3	CGCG 160-125
PGC 44741		Glxy	16.7	
PGC 44708		Glxy		
PGC 44675		Glxy	16.4	
PGC 44662		Glxy	16	CGCG 160-235
PGC 44656		Glxy	15.2	
PGC 44598		Glxy		
PGC 44597		Glxy	16.7	
PGC 44585		Glxy	16.3	
PGC 44581		Glxy	15.4	
PGC 44575		Glxy E	15.6	MCG 5-31-63 CGCG 160-223
PGC 44546		Glxy		
PGC 44533		Glxy	17	
PGC 44522		Glxy	16.5	
PGC 38748		Glxy Scd:	15	UGC 7170 MCG 3-31-55 CGCG 98-79 KUG 1208+191
PGC 39014		Glxy SB(s)d pec	14.5	UGC 7230 MCG 3-31-77 CGCG 98-107 VV 128 ARP 260 VCC86 ANON 1211+16 KUG 1211+164
PGC 39281		Glxy SBcd:	15.1	UGC 7287 MCG 5-29-46 CGCG 158-56
PGC 43462		Glxy S	15.6	UGC 7992 MCG 5-30-100
PGC 39432		Glxy Sd	14.2	UGC 7321 MCG 4-29-60 CGCG 128-70 KARA524
PGC 38163		Glxy Sc	15.9	UGC 7049 CGCG 98-41
PGC 37703		Glxy S	14.2	UGC 6965 MCG 4-28-109 CGCG 127-122 VV 216 ARP 138

**Sub Total: 308****Total: 1186**

## Corona Australis - The Southern Crown

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 6496		Globular	8.6	
NGC 6727		Nebula RN		
NGC 6768		Glxy E4	12.2	ESO 337-18 MCG -7-39-10 PGC 62997
NGC 6729		Nebula E+R		the R CrA Nebula
NGC 6726		Nebula R		
NGC 6541		Globular	6.3	
IC 4812		Nebula R		
IC 4808		Glxy SA(s)c	12.9	ESO 282-3 IRAS 18574-4523 PGC 62686

**Sub Total: 8**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 1297		PI Neb	10.6	ESO 337-20 Henize 2-431 Sanduleak 2-386

**Sub Total: 1****Total: 9**

## Corona Borealis - The Northern Crown

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 4548		Non-Existent		
NGC 6131B		Non-Existent		
NGC 6137A		Non-Existent		
NGC 6137B		Non-Existent		
NGC 6131A		Non-Existent		
NGC 6002		Non-Existent		NGC 6001
NGC 6117A		Non-Existent		
NGC 6117B		Non-Existent		

**Sub Total: 8**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 1138		Glxy S0/a	15.4	UGC 10038 CGCG 136-82 PGC 56070
IC 1166		Glxy	15.5	MK 867 CGCG 137-18 IRAS 16000+2628 KUG 1600+264 PGC 56771
IC 1208		Glxy	15.3	CGCG 196-16 PGC 57650
PGC 54858		Glxy E		MCG 5-36-16
PGC 55892		Glxy	15.6	CGCG 166-47
PGC 55883		Glxy S?	15.2	MCG 5-37-17 CGCG 166-44 IRAS 15416+2834
PGC 55882		Glxy SB	15.5	MCG 5-37-18 CGCG 166-43
PGC 55775		Glxy S	15.2	MCG 5-37-12 CGCG 166-30
PGC 55700		Glxy	15.8	CGCG 166-27
PGC 55581		Glxy SB?	14.9	MCG 5-37-9 CGCG 166-20
PGC 55576		Glxy S?	15.5	MCG 5-37-8 MK 689 CGCG 166-19 IRAS 15342+3050
PGC 55517		Glxy Sb	15.4	UGC 9920 MCG 5-37-6 CGCG 166-14
PGC 55126		Glxy		
PGC 57470		Glxy	16.5	MK 697
PGC 57455		Glxy S0	14.7	UGC 10262 MCG 5-38-29 CGCG 167-39
PGC 57445		Glxy S	15.5	MCG 5-38-28 CGCG 167-38
PGC 57444		Glxy S	15.8	MCG 5-38-27 CGCG 167-42
PGC 57439		Glxy		UGC
PGC 57438		Glxy Chain	14.6	UGC 10259
PGC 57424		Glxy Sab	14.8	UGC 10258 MCG 5-38-25 CGCG 167-36
PGC 57377		Glxy Sb	16.7	UGC 10248
PGC 56050		Glxy S?	14.9	UGC 10035 MCG 4-37-33 CGCG 136-79 IRAS 15454+2613
PGC 55106		Glxy		
PGC 54894		Glxy		
PGC 54892		Glxy		
PGC 54891		Glxy	16.3	MCG 5-36-23
PGC 54888		Glxy E		MCG 5-36-22
PGC 54884		Glxy		MCG 5-36-21
PGC 54883		Glxy		
PGC 54881		Glxy		
PGC 57822		Glxy Spiral	14.7	MCG 6-36-24
PGC 57806		Glxy S	15.7	CGCG 196-33 KUG 1617+351

## Corona Borealis - The Northern Crown

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC	57742	Glxy		
PGC	57737	Glxy		
PGC	57701	Glxy		
PGC	57698	Glxy E2	15.4	MCG 6-36-12 CGCG 196-22
PGC	57690	Glxy S	16	KUG 1614+359
PGC	57565	Glxy S0	15.4	MCG 6-36-6 CGCG 196-10
PGC	57475	Glxy C	15.6	MCG 5-38-32 CGCG 167-46
PGC	57979	Glxy	15.6	CGCG 196-55
PGC	57964	Glxy S0/a	15.6	MCG 6-36-38 CGCG 196-52
PGC	57953	Glxy S	15.5	KUG 1621+378
PGC	57915	Glxy S0/a	15.5	MCG 6-36-36 CGCG 196-47
PGC	54869	Glxy		
PGC	54875	Glxy	16.9	MCG 5-36-19
PGC	54876	Glxy S0?	15.1	MCG 5-36-20
PGC	54880	Glxy		
PGC	54878	Glxy		
PGC	54868	Glxy	17.5	MCG 5-36-18
PGC	54867	Glxy		
IC	4539	Glxy SBb	16.6	MCG 6-34-3 PGC 54642
IC	4570	Glxy SABcd:	14.8	UGC 9975 MCG 5-37-14 CGCG 166-35 IRAS 15393+2823 PGC 55797
IC	4574	Glxy	15.7	CGCG 166-38 PGC 55820
IC	4581	Glxy SB?	14.9	MCG 5-37-19 CGCG 166-46 PGC 55893
IC	4587	Glxy SAB(rs)bc	15.5	CGCG 137-12 PGC 56614
IC	4590	Glxy S	15.7	MCG 5-38-18 CGCG 167-29 PGC 57260
IC	4582	Glxy S?	14.9	UGC 10021 MCG 5-37-20 CGCG 166-52 IRAS 15435+2814 PGC 55967
IC	4580	Glxy SB(rs)d:	15.3	CGCG 166-41 PGC 55862
IC	4572	Glxy SBab	15	MCG 5-37-16 CGCG 166-37 PGC 55817
IC	4569	Glxy S0?	14.9	MCG 5-37-13 CGCG 166-32 PGC 55783
IC	4546	Glxy SB?	15.3	MCG 5-36-31 CGCG 165-57 PGC 55115
IC	4568	Glxy Im:	15.2	CGCG 166-28 PGC 55746
IC	4547	Glxy E	15.3	CGCG 165-58 PGC 55130
MAC	1522+2739C	Glxy	16	
MAC	1522+2739B	Glxy	17	
MAC	1522+2739A	Glxy	15.5	
MAC	1522+2738	Glxy	16	
MAC	1522+2737C	Glxy	16.5	
MAC	1522+2737B	Glxy	16.5	
MAC	1522+2737A	Glxy	16	
MAC	1522+2736B	Glxy	16.5	
MAC	1522+2736A	Glxy	16.5	
MAC	1522+2745A	Glxy	16.5	
MAC	1522+2744D	Glxy	17	
MAC	1522+2744C	Glxy	16	
MAC	1522+2744B	Glxy	16.5	
MAC	1522+2744A	Glxy	17	

## Corona Borealis - The Northern Crown

Observed: Yes

<b>Object</b>	<b>Her</b>	<b>Type</b>	<b>Mag</b>	<b>Alias/Notes</b>
MAC 1522+2743		Glxy	16.5	
MAC 1522+2742C		Glxy	17	
MAC 1522+2742B		Glxy	16.5	
MAC 1522+2742A		Glxy	16.1	
MAC 1610+2910		Glxy	16.5	
MAC 1607+3858		Glxy	16	
MAC 1607+3857		Glxy	16	
MAC 1602+2621		Glxy	16	
MAC 1543+2820		Glxy	16	
MAC 1543+2819		Glxy	16	
MAC 1541+2807		Glxy	15	
MAC 1540+2820		Glxy	16	
MAC 1539+3140		Glxy	16	
MAC 1536+3043		Glxy	15.5	
MAC 1535+3045		Glxy	16.5	
MAC 1523+2750		Glxy	17	
MAC 1523+2748		Glxy	16.5	
MAC 1523+2741		Glxy	16	
MAC 1522+2749D		Glxy	16.5	
MAC 1522+2749C		Glxy	17	
MAC 1522+2749B		Glxy	17	
MAC 1522+2748B		Glxy	16	
MAC 1522+2748A		Glxy	17	
MAC 1522+2747C		Glxy	16.5	
MAC 1522+2747B		Glxy	17	
MAC 1522+2747A		Glxy	16.5	
MAC 1522+2746C		Glxy	17	
MAC 1522+2746B		Glxy	17	
MAC 1522+2746A		Glxy	16.5	
MAC 1522+2741G		Glxy	16.5	
MAC 1522+2741D		Glxy	17	
MAC 1522+2741B		Glxy	17	
MAC 1522+2741A		Glxy	16.5	
MAC 1522+2740		Glxy	16	
MAC 1522+2739F		Glxy	16.5	
MAC 1522+2739E		Glxy	17	
MAC 1522+2739D		Glxy	17	
MAC 1622+3800		Glxy	16	
MAC 1622+3743B		Glxy	16.5	
MAC 1622+3743A		Glxy	15.5	
MAC 1621+3854		Glxy	15.5	
MAC 1620+3744		Glxy	16.5	
MAC 1618+3510		Glxy	16	
MAC 1618+3509		Glxy	16	
MAC 1617+3509		Glxy	16.5	

## Corona Borealis - The Northern Crown

Observed: Yes

<b>Object</b>	<b>Her</b>	<b>Type</b>	<b>Mag</b>	<b>Alias/Notes</b>
MAC 1617+3458		Glxy	16.5	
MAC 1617+3452		Glxy	16	
MAC 1616+3547		Glxy	16	
MAC 1616+3456		Glxy	16.5	
MAC 1615+2633		Glxy	15.5	
MAC 1614+2923		Glxy	17	
MAC 1614+2917A		Glxy	16.5	
MAC 1613+2957		Glxy	16.5	
MAC 1613+2955		Glxy	16	
MAC 1613+2936		Glxy	16.5	
MAC 1613+2935		Glxy	16.6	
MAC 1613+2930		Glxy	17	
MAC 1613+2924		Glxy	17	
MAC 1613+2922B		Glxy	16	
MAC 1613+2909		Glxy	16	
MAC 1613+2908		Glxy	16	
MAC 1613+2906		Glxy	17	
MAC 1612+3303		Glxy	16.5	
MAC 1612+3302		Glxy	16.5	
MAC 1612+2959		Glxy	17	
MAC 1612+2958		Glxy	17	
MAC 1612+2954B		Glxy	16.5	
MAC 1612+2954A		Glxy	16	
MAC 1612+2953		Glxy	17	
MAC 1612+2952		Glxy	16.5	
MAC 1612+2938A		Glxy	15.5	
MAC 1612+2936		Glxy	16.5	
MAC 1612+2934		Glxy	16	
MAC 1612+2933C		Glxy	16	
MAC 1612+2933A		Glxy	16	
MAC 1612+2932B		Glxy	17	
MAC 1612+2932A		Glxy	17	
MAC 1612+2927		Glxy	17	
MAC 1612+2925		Glxy	16	
MAC 1612+2924B		Glxy	17	
MAC 1612+2924A		Glxy	16.5	
MAC 1612+2919		Glxy	16.5	
MAC 1611+2953		Glxy	15.5	
MAC 1611+2952		Glxy	16	
MAC 1611+2951C		Glxy	17	
MAC 1611+2951B		Glxy	16	
MAC 1611+2951A		Glxy	16.5	
MAC 1611+2949		Glxy	16	
MAC 1611+2947A		Glxy	16.5	
MAC 1611+2936B		Glxy	16.5	

## Corona Borealis - The Northern Crown

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC 1611+2936A		Glxy	16	
MAC 1611+2935		Glxy	17	
MAC 1611+2934		Glxy	16.5	
MAC 1611+2933		Glxy	17	
MAC 1611+2931C		Glxy	16.5	
MAC 1611+2931A		Glxy	16	
MAC 1611+2929B		Glxy	16	
MAC 1611+2929A		Glxy	16.5	
MAC 1611+2927B		Glxy	15.5	
MAC 1611+2927A		Glxy	16	
MAC 1611+2924		Glxy	17	
MAC 1611+2923		Glxy	17	
MAC 1611+2922		Glxy	16.5	
MAC 1611+2921		Glxy	17	
MAC 1611+2909		Glxy	16.5	
MAC 1611+2657		Glxy	15.5	
MAC 1610+2918B		Glxy	16.5	
MAC 1610+2918A		Glxy	16.5	
MAC 1522+2735C		Glxy	16.5	
MAC 1522+2735B		Glxy	15.5	
MAC 1522+2734		Glxy	15.5	
MAC 1522+2733		Glxy	16	
MAC 1521+2745		Glxy	17	
MAC 1521+2740		Glxy	16	
NGC 5924		Glxy S0?	15.5	MCG 5-36-15 CGCG 165-43 PGC 54850
NGC 5974		Glxy S?	14.7	UGC 9952 MCG 5-37-10 CGCG 166-25 ARAK482 IRAS 15370+3155 PGC 55694
NGC 6001	H371-3	Glxy Sc	14.4	UGC 10036 MCG 5-37-27 CGCG 166-58 PGC 56056
NGC 5961		Glxy S?	14.5	UGC 9918 MCG 5-37-5 CGCG 166-13 ARAK478 IRAS 15332+3101 PGC 55515
NGC 5958	H399-2	Glxy S?	13.6	UGC 9909 MCG 5-37-3 CGCG 166-9 IRAS 15327+2849 PGC 55494
NGC 6016		Glxy Scd:	15	UGC 10096 MCG 5-38-1 CGCG 167-4 IRAS 15538+2706 PGC 56410
NGC 6069		Glxy L	15.2	MCG 7-33-43 CGCG 223-42 PGC 57237
NGC 6102		Glxy S?	14.8	UGC 10300 MCG 5-38-47 CGCG 167-60 PGC 57639
NGC 6097		Glxy S0/a	14.8	MCG 6-36-7 CGCG 196-11 PGC 57583
NGC 6096		Glxy S?	15.2	MCG 5-38-44 CGCG 167-57 PGC 57598
NGC 6092		Glxy E	14.2	UGC 10275 MCG 5-38-37 CGCG 167-48 PGC 57500
NGC 6089	H889-3	Glxy Compact	15	MCG 6-36-1 CGCG 196-4 CGCG 196-91 KUG 1610+331A PGC 57491
NGC 6086		Glxy E	12.7	UGC 10270 MCG 5-38-35 CGCG 167-45 PGC 57482
NGC 6085		Glxy Sa	13.9	UGC 10269 MCG 5-38-34 CGCG 167-44 PGC 57486
NGC 6077		Glxy E	14.3	UGC 10254 MCG 5-38-24 CGCG 167-35 PGC 57408
NGC 6076		Glxy Double System	15.4	UGC 10253 MCG 5-38-23 CGCG 167-34 PGC 57409
NGC 6114		Glxy I?	15.2	MCG 6-36-19 CGCG 196-30 KUG 1616+352B PGC 57784
NGC 6112		Glxy S?	14.9	MCG 6-36-17 CGCG 196-28 KUG 1616+352A PGC 57762
NGC 6110		Glxy Sab	15.6	CGCG 196-27 KUG 1615+352C PGC 57751
NGC 6109		Glxy S?	13.8	UGC 10316 MCG 6-36-16 CGCG 196-26 KUG 1615+351C PGC 57748
NGC 6108		Glxy S?	15.3	MCG 6-36-15 CGCG 196-25 KUG 1615+352A PGC 57734

## Corona Borealis - The Northern Crown

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 6107		Glxy E:	13.8	UGC 10311 MCG 6-36-14 CGCG 196-24 KUG 1615+350C PGC 57728
NGC 6105		Glxy S?	15.3	MCG 6-36-13 CGCG 196-23 KUG 1615+350B PGC 57716
NGC 6104	H688-3	Glxy S?	14.2	UGC 10309 MCG 6-36-11 CGCG 196-20 IRAS 16146+3549 PGC 57684
NGC 6103	H888-3	Glxy S?	14.8	UGC 10302 MCG 5-38-49 CGCG 167-62 IRAS 16138+3205 PGC 57648
NGC 6142	H892-3	Glxy Sb	14.6	UGC 10366 MCG 6-36-41 CGCG 196-56 KUG 1621+373 PGC 57984
NGC 6137	H624-3	Glxy E	13.4	UGC 10364 MCG 6-36-39 CGCG 196-53 PGC 57966
NGC 6131		Glxy SABcd:	13.8	UGC 10356 MCG 7-34-4 CGCG 224-4 IRAS 16201+3902 KUG 1620+390A PGC 57927
NGC 6129	H891-3	Glxy S0	14.7	MCG 6-36-37 CGCG 196-48 PGC 57920
NGC 6126		Glxy S?	14.6	UGC 10353 MCG 6-36-35 CGCG 196-46 1ZW144 KUG 1619+364B PGC 57908
NGC 6122		Glxy L	15.3	MCG 6-36-32 PGC 57858
NGC 6120	H623-3	Glxy Pec	14.6	UGC 10343 MCG 6-36-29 CGCG 196-41 1ZW141 IRAS 16180+3753 KUG 1618+378 PGC 57842
NGC 6119		Glxy Spiral	15.4	MCG 6-36-26 CGCG 196-40 KUG 1617+379 PGC 57837
NGC 6117		Glxy SA(s)bc	14.4	UGC 10338 MCG 6-36-22 CGCG 196-36 IRAS 16174+3712 PGC 57816
NGC 6116		Glxy Sb	15.1	UGC 10336 MCG 6-36-21 CGCG 196-32 KUG 1617+352 PGC 57800
NGC 6038	H622-3	Glxy Sc	14.2	UGC 10149 MCG 6-35-26 CGCG 195-8 IRAS 16008+3729 PGC 56812

**Sub Total: 227****Total: 235**

## Crater - The Cup

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 3431		Glxy SABb?	15.7	MCG -3-28-14 IRAS 10487-1644 PGC 32531
NGC 3479		Glxy SAB(r)bc	13.5	NGC 3502 PGC 33053 MCG -2-28-27 IRAS 10563-1441
IC 665		Glxy		
IC 695		Glxy		
NGC 3688		Glxy (R')SB(rs)b	13.7	MCG -1-29-24 PGC 35269
NGC 3676		Glxy		MCG -2-29-29 PGC 35131
NGC 3667A		Glxy SA(rs)b pec	14.3	PGC 35034 MCG -2-29-26
NGC 3667B		Glxy Sb	13.5	
IC 690		Glxy		
NGC 3667	H531-3	Glxy (R')SA(rs)ab:	13.5	MCG -2-29-25 PGC 35028
NGC 3663		Glxy SA(rs)bc pec	13.3	MCG -2-29-23 IRAS 11214-1200 PGC 35006
IC 688		Glxy		
NGC 3974		Glxy (R')SB(r)0/a:	13.7	MCG -2-31-1 PGC 37452
NGC 3970		Glxy SA(r)0 <sup>+</sup> : sp	14.5	MCG -2-30-41 PGC 37425
NGC 3967		Glxy (R')S0-:	11.5	MCG -1-30-47 PGC 37398
NGC 3969		Glxy SA(r)0+:	14	ESO 572-17 MCG -3-30-20 PGC 37396
NGC 3965		Non-Existent		
NGC 3959		Glxy (R')SB(r)a	14	MCG -1-30-46 PGC 37363
NGC 3957	H294-2	Glxy SA0+ : sp	12.8	IC 2965 PGC 37326 ESO 572-14 MCG -3-30-17 IRAS 11515-1917
IC 2965		Non-Existent		NGC 3957 ESO 572-14 MCG -3-30-17 IRAS 11515-1917 PGC 37326
NGC 3956	H290-3	Glxy SA(s)c:	12.8	ESO 572-13 MCG -3-30-16 UGC A251 IRAS 11514-2017 PGC 37325
NGC 3955	H623-2	Glxy S0/a pec	12.6	ESO 504-26 MCG -4-28-5 IRAS 11514-2253 PGC 37320
IC 743		Glxy SBc? sp	14.9	MCG -2-30-37 IRAS 11508-1259 PGC 37267
IC 2970		Non-Existent		
NGC 3942		Glxy SAB(rs)c pec:	14.5	MCG -2-30-35 IRAS 11489-1108 PGC 37099
IC 2962		Non-Existent		
NGC 3905		Glxy SB(rs)c	13.4	MCG -1-30-35 IRAS 11465-927 PGC 36909
IC 734		Glxy E	15.3	MCG -1-30-31 PGC 36701
IC 733		Glxy		
NGC 3858		Glxy (R')SB(rs)a	14	NGC 3866 PGC 36621 MCG -1-30-29
NGC 3866		Non-Existent		
NGC 3865		Non-Existent		
NGC 3854		Glxy SAB(rs)b pec:	12.8	NGC 3865 PGC 36581 MCG -1-30-28
NGC 3836		Glxy Sb pec?	13.5	MCG -3-30-10 VV 477 IRAS 11409-1631 PGC 36445
NGC 3831		Glxy SAB(r)0+ pec	13.6	MCG -2-30-23 PGC 36417
IC 723		Glxy Irr	15.5	MCG -1-30-27 MK 1305 IRAS 11404-803 PGC 36384
IC 721		Glxy SB(s)cd? sp	15.5	MCG -1-30-26 IRAS 11399-803 PGC 36354
NGC 3823		Glxy E+ pec	14.5	MCG -2-30-17 PGC 36331
NGC 3791	H609-3	Glxy (R')SAB0 pec:	14.5	MCG -1-30-20 PGC 36156
NGC 3771		Glxy E:	13.6	PGC 36107
NGC 3779		Glxy SB(s)d pec	14.5	IC 717 PGC 36084 MCG -2-30-13
IC 717		Non-Existent		MCG -2-30-13 PGC 36084
NGC 3774		Glxy (R')SB(rs)ab:	16.2	MCG -1-30-16 PGC 36058
NGC 3775		Glxy SAB(r)0+:	14.7	MCG -2-30-12 PGC 36055
NGC 3789		Glxy SAB(rs)0+?	13	MCG -1-30-15 PGC 36036

## Crater - The Cup

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 715		Glxy		
NGC 3763		Glxy SAB(rs)c pec	13.5	IC 714 PGC 35907 MCG -2-30-9 IRAS 11339-934
IC 714		Non-Existent		MCG -2-30-9 IRAS 11339-934 PGC 35907
NGC 3777		Glxy SAB(s)ab:	14.3	MCG -2-30-8 PGC 35879
NGC 3734	H935-3	Glxy (R')SAB(rs)bc:	14.5	MCG -2-30-6 PGC 35773
NGC 3730		Glxy SAB(s)0/a:	12.5	NGC 3732 MCG -2-30-5 IRAS 11316-934 PGC 35734
NGC 3727		Glxy S0	15.3	PGC 35697
IC 706		Glxy SA(r)0/a? sp	15.3	MCG -2-30-4 PGC 35658
NGC 3723		Glxy E/S0	14.3	MCG -2-30-2 PGC 35604
IC 2910		Glxy (R')SB(rs)0+ p:	13.2	MCG -1-30-1 PGC 35557
IC 704		Non-Existent		
IC 703		Non-Existent		
NGC 3715	H562-3	Glxy (R')SB(rs)bc:	11.9	MCG -2-29-41 IRAS 11290-1357 PGC 35540
IC 2889		Glxy SAB(s)c pec:	14.8	MCG -2-29-38 PGC 35469
NGC 3702		Glxy SAB(r)a pec:	15	MCG -1-29-26 PGC 35448
NGC 3707		Glxy E	16.2	PGC 35446
NGC 3704		Glxy E+	14.5	MCG -2-29-37 PGC 35435
NGC 3703		Glxy		
NGC 3711		Glxy SBbc	15.5	MCG -2-29-35 PGC 35392
NGC 3696		Glxy SAB(s)c pec	14.2	PGC 35340
IC 2856		Glxy Sab	14.5	MCG -2-29-33 IRAS 11257-1236 PGC 35304
NGC 3661	H530-3	Glxy SA(r)0/a: sp	14.8	IC 689 PGC 34986 MCG -2-29-22
IC 689		Non-Existent		MCG -2-29-22 PGC 34986
NGC 3660	H635-2	Glxy SB(r)bc	14	MCG -1-29-16 UGC A234 MK 1291 IRAS 11210-823 PGC 34980
NGC 3635		Glxy SAB(rs)bc pec:	12.6	MCG -1-29-9 VV 724 PGC 34717
NGC 3634		Glxy E	15.5	MCG -1-29-8 VV 724 PGC 34714
NGC 3638		Glxy SAB: sp	15	MCG -1-29-7 IRAS 11176-749 PGC 34688
IC 681		Glxy Sc	14.5	MCG -2-29-17 PGC 34572
NGC 3497	H824-3	Glxy SA(s)0^:	12.6	
IC 2624		Non-Existent		NGC 3497 NGC 3525 ESO 570-6 MCG -3-28-37 PGC 33667
NGC 3520		Glxy E1/P	13.3	
NGC 3514		Glxy SAB(s)c?	13.5	ESO 570-1 MCG -3-28-35 IRAS 11015-1830 PGC 33430
IC 2623		Glxy E?	14.5	ESO 569-33 MCG -3-28-34 PGC 33418
NGC 3508	H507-2	Non-Existent		NGC 3505 PGC 33362 MCG -3-28-31 IRAS 11005-1601
IC 2622		Non-Existent		NGC 3508 MCG -3-28-31 IRAS 11005-1601 PGC 33362
NGC 3505		Glxy		
NGC 3502		Non-Existent		NGC 3479 PGC 33306 MCG -2-28-41
NGC 3541		Glxy S0/a	15	MCG -2-29-4 IRAS 11062-1041 PGC 33772
NGC 3537A		Glxy S0^ pec	13.8	PGC 33752
IC 672		Glxy Sb	14.4	MCG -2-29-2 IRAS 11055-1212 PGC 33724
NGC 3566		Non-Existent		NGC 3565 PGC 33701 ESO 570-8
NGC 3565		Glxy E/SB0	14.6	
NGC 3529		Glxy SB(rs)b pec:	15	IC 2625 PGC 33671 ESO 570-7 MCG -3-28-38 IRAS 11048-1917
IC 2625		Non-Existent		NGC 3529 ESO 570-7 MCG -3-28-38 IRAS 11048-1917 PGC 33671
NGC 3528		Non-Existent		NGC 3497 PGC 33667 NGC 3525 ESO 570-6 MCG -3-28-37

## Crater - The Cup

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 3525		Non-Existent		
IC 679		Glxy		
IC 2668		Glxy SB(rs)a pec	14.5	MCG -2-29-15 IRAS 11130-1353 PGC 34333
NGC 3597		Glxy S0+: pec	13.6	ESO 503-3 MCG -4-27-5 IRAS 11122-2327 PGC 34266
NGC 3591	H529-3	Glxy (R')SB(r)0+?	13.9	MCG -2-29-12 PGC 34220
NGC 3578		Non-Existent		
NGC 3571	H819-2	Non-Existent		NGC 3544 PGC 34028 ESO 570-11 MCG -3-29-1
NGC 3544		Glxy (R')SAB(rs)a:	13	
IC 2627		Glxy SA(s)bc:	12.6	ESO 502-21 MCG -4-27-2 UGC A227 IRAS 11074-2327 PGC 33860
NGC 3546		Glxy SA0- pec:	14.1	MCG -2-29-7 PGC 33846
NGC 3481		Glxy Sab	14	MCG -1-28-16 PGC 33097
NGC 3472		Non-Existent		
NGC 3456	H29-4	Glxy SB(rs)c:	13.2	MCG -3-28-18 IRAS 10515-1545 PGC 32730
NGC 3452		Glxy Sa: sp	15	MCG -2-28-19 PGC 32742
NGC 3469		Glxy (R')SB(r)ab	13.9	MCG -2-28-24 PGC 32912
NGC 3459		Glxy (R')SBab:	14.2	MCG -3-28-22 IRAS 10522-1646 PGC 32782
IC 654		Glxy (R')SB0+?	15	MCG -2-28-18 PGC 32716

**Sub Total: 107**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 3511	H39-5	Glxy SA(s)c	10.9	ESO 502-13 MCG -4-26-20 UGC A223 PGC 33385
NGC 3637	H551-2	Glxy (R')SB(r)0^	13.6	MCG -2-29-20 PGC 34731
NGC 3672	H131-1	Glxy SA(s)c	12.1	MCG -2-29-28 UGC A235 IRAS 11225-931 PGC 35088
NGC 3636	H550-2	Glxy E0	13.3	MCG -2-29-19 PGC 34709
NGC 3513	H40-5	Glxy SB(rs)c	11.4	ESO 502-14 MCG -4-26-21 UGC A224 IRAS 11013-2258 PGC 33410
NGC 3693	H532-3	Glxy (R')SA(r)b:	13.1	MCG -2-29-32 IRAS 11256-1255 PGC 35299
NGC 3722		Glxy E0	16	MCG -1-30-5 PGC 35746
NGC 3981	H274-3	Glxy SA(rs)bc	12.1	ESO 572-20 MCG -3-31-1 UGC A255 VV 8 ARP 289 IRAS 11535-1937 PGC 37496
NGC 3962	H67-1	Glxy E1	11.6	MCG -2-30-40 UGC A253 PGC 37366
NGC 3892	H553-2	Glxy SB(rs)0+	12.5	MCG -2-30-30 PGC 36827
NGC 3887	H120-1	Glxy SB(r)bc	11.4	MCG -3-30-12 UGC A246 IRAS 11445-1634 PGC 36754
NGC 3732	H552-2	Glxy SB0-a	12.5	
NGC 3724		Glxy S0+: sp	15	MCG -1-30-7 IRAS 11319-922 PGC 35757
NGC 3721		Glxy S0/a	15	PGC 35727
MAC 1134-0929A		Glxy	16.5	
MAC 1134-0931		Glxy	15	
MAC 1134-0932		Glxy	16	
MAC 1135-0934B		Glxy	17	
MAC 1148-1103		Glxy	15.5	
MAC 1148-1058		Glxy	15	
MAC 1134-0944B		Glxy	15.5	
MAC 1134-0929B		Glxy	17	
MAC 1134-0930		Glxy	15.5	

## Crater - The Cup

Observed: Yes

<b>Object</b>	<b>Her</b>	<b>Type</b>	<b>Mag</b>	<b>Alias/Notes</b>
PGC 35743		Glxy S0/a	14.1	MCG -1-30-3
PGC 36026		Glxy Sc: sp	15.2	IRAS 11354-1657 MCG -3-30-3
PGC 35753		Glxy L	16.5	
PGC 35771		Glxy S0/a	16.6	

**Sub Total: 27****Total: 134**

## Crux Australis - The Cross

Observed: No

<b>Object</b>	<b>Her</b>	<b>Type</b>	<b>Mag</b>	<b>Alias/Notes</b>
NGC 4052		Open Cl III 2 r	8.8	
NGC 4755		Open Cl 7.0 I 3 r	4.2	Jewel Box
NGC 4184		Open Cl I2p		
NGC 4337		Open Cl 10.5 II 3 p	8.9	
NGC 4349		Open Cl 11.0 II 2 m	7.4	
NGC 4609		Open Cl 10.0 II 2 m	6.9	
NGC 4439		Open Cl 10.3 II 1 p	8.4	
NGC 4103		Open Cl 10.0 I 2 m	7.4	

**Sub Total: 8****Total: 8**

## Corvus - The Crow

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 4263		Non-Existent Sb	12.6	NGC 4265
NGC 4802		Non-Existent S0	11.6	NGC 4804
IC 3838		Non-Existent		
IC 3824		Non-Existent		MAC 1250-1422 very close by
NGC 4726		Non-Existent S0	14.8	NGC 4740 IC 3834
IC 3834		Non-Existent		NGC 4726 NGC 4740 MCG -2-33-30 PGC 43559
IC 3833		Non-Existent		NGC 4722 MCG -2-33-31 IRAS 12488-1303 PGC 43560
IC 3825		Non-Existent		MAC 1250-1428 in the area
IC 3819		Non-Existent		MAC1250-1422 very close by

**Sub Total: 9**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 761		Glxy S0	16.1	MCG -2-31-14 PGC 38353
IC 766		Glxy SAB(r)0+? sp	14.5	MCG -2-31-20 PGC 38775
IC 786		Glxy (R')SAB0^:	13.4	MCG -2-32-8 PGC 40189
IC 829		Glxy SB0	15.5	MCG -2-33-38 PGC 43675
IC 807		Glxy E/S0	14.3	MCG -3-32-20 PGC 42635
IC 806		Glxy (R')SB(r)ab pec	13.9	MCG -3-32-19 PGC 42642
IC 785		Glxy SB(s)c	14	MCG -2-32-7 IRAS 12204-1256 PGC 40167
PGC 37565		Glxy SAB(s)0	13.9	ESO 572-23 MCG -3-31-3
PGC 37857		Glxy IAB(s)m	13.8	ESO 505-2 MCG -4-28-9 UGCA 261
PGC 37906		Glxy Sdm?sp	13.8	ESO 505-03 MCG -4-29-1 UGCA 263
PGC 43501		Glxy SB?	15.5	MCG-2-33-24 IRAL 12483-1311
PGC 43663		Glxy SB0	15	MCG-2-33-37
PGC 43664		Glxy Sb	16.6	MCG-2-33-36
PGC 43625		Glxy Sb	14.8	MCG-2-33-33 IRAS 12494-1511
PGC 38354		Glxy E?	16.5	MCG-2-31-15
IC 3799		Glxy Sd: sp	16.7	MCG -2-33-11 PGC 43313
MAC 1252-1529		Glxy	15.5	
MAC 1251-1315		Glxy	16.5	
MAC 1250-1428		Glxy	16.5	
MAC 1250-1425		Glxy	15	
MAC 1250-1422		Glxy	16	
MAC 1216-1217		Glxy	16	
MAC 1207-1408		Glxy	15.5	
IC 3827		Glxy Sc	15.3	MCG -2-33-21 IRAS 12482-1413 PGC 43487
IC 3831		Glxy (R')SAB(s)0^?	13.8	MCG -2-33-27 PGC 43536
IC 3822		Glxy Sc	16.8	MCG -2-33-19 PGC 43443
NGC 4024	H295-2	Glxy SAB0-	11.7	ESO 572-31 MCG -3-31-4 PGC 37690
NGC 4897		Glxy SAB(r)bc:	12.6	NGC 4891 MCG -2-33-89 UGC A316 IRAS 12582-1310 PGC 44829
NGC 4804	H40-4	Glxy S0	11.6	NGC 4802 PGC 44087 MCG -2-33-61 IRAS 12532-1147
NGC 4794	H538-2	Glxy SB(rs)a	14.5	MCG -2-33-60 PGC 44012
NGC 4792		Glxy S0 sp	16	PGC 43999

## Corvus - The Crow

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 4783	H136-1	Glxy E0 pec	12.5	MCG -2-33-51 VV 201 PGC 43926
NGC 4782	H135-1	Glxy E0 pec	12.7	MCG -2-33-50 VV 201 PGC 43924
NGC 4763	H489-3	Glxy SB(r)a:	12.6	MCG -3-33-13 IRAS 12507-1643 PGC 43792
NGC 4756	H281-3	Glxy SAB(s)0 <sup>^</sup> ?	12.4	MCG -2-33-39 PGC 43725
NGC 4748	H537-3	Glxy Sa	14.5	MCG -2-33-34 PGC 43643
NGC 4740		Glxy Sb	14.5	IC 3834 PGC 43559 NGC 4726 MCG -2-33-30
NGC 4727	H298-2	Glxy SAB(r)bc pec:	13.8	MCG -2-33-23 IRAS 12483-1403 PGC 43499
NGC 4724	H280-3	Glxy SB0-:	14.7	MCG -2-33-22 PGC 43494
NGC 4723		Glxy SB(s)m pec?	15	PGC 43510
NGC 4722		Glxy SB(r)0/a	13.7	IC 3833 PGC 43560 MCG -2-33-31 IRAS 12488-1303
NGC 4714	H536-3	Glxy SAB(rs)0-?	13.3	MCG -2-33-18 PGC 43442
NGC 4524		Glxy SAB(r)bc	14.5	MCG -2-32-14 IRAS 12312-1145 PGC 41757
NGC 4462	H764-3	Glxy SB(r)ab	12.8	ESO 506-13 MCG -4-30-2 IRAS 12266-2253 PGC 41150
NGC 4361	H65-1	PI Neb 3a+2	10.3	ESO 573-19 PK 294+43.1 PNG 294.1+43.6
NGC 4329		Glxy E+:	12.5	MCG -2-32-9 PGC 40212
NGC 4177	H534-3	Glxy SA(rs)c pec:	14	MCG -2-31-21 IRAS 12101-1344 PGC 38937
NGC 4114	H533-3	Glxy (R')SAB(rs)a:	13.5	MCG -2-31-18 PGC 38460
NGC 4094		Glxy SAB(rs)cd:	12.5	MCG -2-31-16 UGC A269 IRAS 12033-1414 PGC 38346
NGC 4050	H509-2	Glxy SB(r)ab	13.1	MCG -3-31-16 IRAS 12003-1605 PGC 38049
NGC 4039	H28.2-4	Glxy SA(s)m pec	11.1	RING TAIL GALAXY PGC 37969
NGC 4038	H28.1-4	Glxy SB(s)m pec	10.9	ANTENNAE - RING TAIL GALAXY PGC 37967
NGC 4035	H279-3	Glxy (R')SAB(rs)bc p	13.2	MCG -3-31-10 IRAS 11579-1540 1SZ122 PGC 37853
NGC 4033	H508-2	Glxy E6	12.6	ESO 572-42 MCG -3-31-11 PGC 37863
NGC 4027A		Glxy IB(s)m:	14.5	ESO 572-36 MCG -3-31-7 VV 66 ARP 22 PGC 37772
NGC 4265	H535-3	Glxy Sb	12.6	NGC 4263 PGC 39698 MCG -2-32-1 IRAS 12171-1156
NGC 4225		Glxy S0/a	14.5	MCG -2-31-27 IRAS 12140-1203 PGC 39337
NGC 4188		Glxy Sb	15.7	MCG -2-31-23 IRAS 12115-1218 PGC 39059
NGC 4027	H296-2	Glxy SB(s)dm	11.7	ESO 572-37 MCG -3-31-8 UGC A260 VV 66 ARP 22 IRAS 11569-1859 8ZW158 PGC 37773

**Sub Total: 59****Total: 68**

## Cygnus - The Swan

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 1300		Non-Existent		
NGC 6847	H202-2	Non-Existent		
NGC 6856		Non-Existent		
IC 1310		Non-Existent		
IC 1318A		Non-Existent		
NGC 6896		Non-Existent		
IC 1318B		Non-Existent		
IC 1315		Non-Existent		(STAR)
NGC 7175		Non-Existent		
NGC 7150		Non-Existent		
NGC 7143		Non-Existent		
IC 1402		Non-Existent		
IC 1400		Non-Existent		
NGC 7024	H57-8	Non-Existent		
NGC 7011		Non-Existent		
NGC 6995		Non-Existent		
IC 1340		Non-Existent		
NGC 6989	H82-8	Non-Existent		
IC 5070		Non-Existent		IC 5067
NGC 6979	H206-2	Non-Existent		
NGC 6895	H83-8	Non-Existent		
NGC 6874	H86-8	Non-Existent		
NGC 7114		Non-Existent		
NGC 7093		Non-Existent		
NGC 7071		Non-Existent		
NGC 7058		Non-Existent		
NGC 7054		Non-Existent		
NGC 7050		Non-Existent		
NGC 7037		Non-Existent		
IC 1363		Non-Existent		
IC 1304		Non-Existent		
IC 1306		Non-Existent		(STAR)

**Sub Total: 32**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
ABELL 78		PI Neb	13.4	PK 81-14.1
HENIZ 2-438		PI Neb 4	9.6	Henize 2-438 PK 64.7+5.0 PNG 64.7+5.0 Campbell's Hydrogen Star
HENIZ 2-450		PI Neb 1	14.7	PK 68+3.1 Henize 2-450
DOL 8		Open Cl I 2pn		DOLIDZE 8
B 349		Nebula		DARK NEBULA
HU 1-2		PI Neb 2	12.7	PK 86-8.1 PNG 86.5-8.8 Baby Dumbbell
IC 1302		Glxy SAB(s)c?	14.1	MCG 6-43-2 IRAS 19290+3540 PGC 63307
IC 1392		Glxy S0-:	12.5	UGC 11772 MCG 6-47-3 CGCG 512-6 PGC 67017

## Cygnus - The Swan

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 1369		Open Cl 12.1 II 2 m	8.8	
IC 1318		Nebula E		
IC 1311		Open Cl 17.0 I 1 r n	13.1	
IC 1303		Glxy SAc:	14.6	UGC 11452 MCG 6-43-4 IRAS 19296+3546 PGC 63328
IC 1301		Glxy Scd:	14.4	IC 4867 UGC 11438 MCG 8-35-9 CGCG 256-18 PGC 63212
IC 4867		Glxy S0	14.3	IC 4867 UGC 11438 MCG 8-35-9 CGCG 256-18 PGC 63212
IC 5076		Nebula E		
IC 5117		PI Neb 2	13.3	PK 89-5.1 PNG 89.8-5.1
KOH 4-37		PI Neb		Kohoutek 4-37 PK66+2.1
MAC 1916+4604		Glxy	16	
KOH 4-41		PI Neb	15.9	Kohoutek 4-41 PK68+1.1
IC 5146		Nebula E		the Cocoon Nebula
IC 5068		Nebula E		
IC 4996		Open Cl 8.0 II 3 p n	7.3	
IC 5067		Nebula EN		IC 5070 LBN 353
NGC 6764		Glxy SB(s)bc	12.6	UGC 11407 MCG 8-35-3 CGCG 256-7 IRAS 19070+5051 PGC 62806
NGC 6783		Glxy C	15.3	MCG 8-35-7 CGCG 256-13 PGC 63003
NGC 6801		Glxy SAcD	14.6	UGC 11443 MCG 9-32-5 CGCG 281-3 IRAS 19264+5416 PGC 63229
NGC 6798		Glxy S0	14.2	IC 1300 PGC 63171 UGC 11434 MCG 9-32-2 CGCG 281-1
NGC 6826	H73-4	PI Neb 3a+2	9.8	Blinking Planetary PK 83+12.1 PNG 83.5+12.7
NGC 6834	H16-8	Open Cl 11.0 II 2 m	7.8	
NGC 6894	H13-4	PI Neb 4+2	14.4	Henize 2-460 PK 69-2.1 PNG 69.4-2.6
NGC 6888	H72-4	Nebula E		Crescent Nebula SH2-105 LNB 203
NGC 6884		PI Neb 2b	12.6	PK 82+7.1 PNG 82.1+7.0
NGC 6883		Open Cl IV 2 m n	8	
NGC 6881		PI Neb 2a+3	14.3	Henize 2-456 PK 74+2.1 PNG 74.5+2.1
NGC 6871		Open Cl 6.8 II 2 p n	5.2	
NGC 6866	H59-7	Open Cl 10.0 II 2 r	7.6	
NGC 6857	H144-3	Nebula HII	11.4	
NGC 6846		Open Cl 12.8 II 2	14.2	
NGC 6974		Nebula EN		
NGC 6960	H15-5	Nebula E		Veil Nebula Supernovae Remnant
NGC 6916		Glxy SBbc	14.3	UGC 11554 MCG 10-29-4 CGCG 304-4 IRAS 20224+5810 PGC 64600
NGC 6914B		Nebula R		
NGC 6914A		Nebula R		
NGC 6914		Nebula R		
NGC 6913		Open Cl 9.0 II 3 m n	6.6	M 29 Cr 422
NGC 6910	H56-8	Open Cl 9.6 I 3 m n	7.4	
NGC 6833		PI Neb 2	13.8	PK 82+11.1 PNG 82.5+11.3
NGC 6824	H878-2	Glxy SA(s)b:	13	UGC 11470 MCG 9-32-12 CGCG 281-8 IRAS 19426+5559 PGC 63575
SH1 89		PI Neb 3a	14.5	PK 89-0.1 PNG 89.8-0.6 Moth Nebula
PGC 67025		Glxy S0	14.1	UGC 11775 MCG 6-47-4 CGCG 512-7
PGC 63299		Glxy Scd:	15	UGC 11448 MCG 6-43-1
PGC 63211		Glxy S	14.9	MCG 8-35-11 IRAS 19252+5002
NGC 7128	H40-7	Open Cl 11.5 I 3 m	9.7	

## Cygnus - The Swan

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 7127		Open Cl IV 1 p		
NGC 7116		Glxy S?	14.3	UGC 11796 MCG 5-51-1 CGCG 493-5 PGC 67218
NGC 7092		Open Cl 7.0 III 2 m	4.6	M 39 Cr 438
NGC 7086	H32-6	Open Cl 10.2 II 2 m	8.4	
NGC 7082	H52-7	Open Cl 9.9 IV 2 p	7.2	
NGC 7067	H50-7	Open Cl 11.2 II 1 p	9.7	
NGC 7063		Open Cl 8.9 III 1 p	7	
NGC 7062	H51-7	Open Cl 10.1 II 2 m	8.3	
NGC 7048		PI Neb 3b	11.3	Hubble 9 PK 88-1.1 PNG 88.7-1.6
NGC 7044	H24-6	Open Cl 15.0 I 1 r	12	
NGC 7039		Open Cl 11.3 IV 2 m	7.6	
NGC 7031	H74-8	Open Cl 11.3 III 2 m	9.1	
NGC 7027		PI Neb 3a	10.4	PK 84-3.1 PNG 84.9-3.4
NGC 7026		PI Neb 3a	12.7	PK 89+0.1 PNG 89.0+0.3
NGC 7013	H203-2	Glxy SA(r)0/a	12.4	UGC 11670 MCG 5-49-1 CGCG 491-2 IRAS 21014+2941 PGC 66003
NGC 7008	H192-1	PI Neb 3	13.3	PK 93+5.2 PNG 93.4+5.4
NGC 7000	H37-5	Nebula E		North American Nebula
NGC 6997	H58-8	Open Cl III 2 m n	10	
NGC 6996		Open Cl 11.0 III 2 m n	10	
NGC 6992	H14-5	Nebula E		Network Nebula NGC 6995 IC 1340 Supernovae Remnant
NGC 6991	H76-8	Open Cl 5.7 III 2 n		
NGC 6819		Open Cl 11.0 I 1 r	7.3	
NGC 6811		Open Cl 11.0 III 1 r	6.8	

**Sub Total: 76****Total: 108**

## Delphinus - The Dolphin

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 1325		Non-Existent		
IC 5081		Non-Existent		
NGC 7028		Non-Existent		
NGC 6933		Non-Existent		
IC 1329		Non-Existent		
IC 1326		Non-Existent		

**Sub Total: 6**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 1320		Glxy SB(s)b?	14.4	UGC 11560 MCG 0-52-9 CGCG 373-8 IRAS 20239+244 PGC 64685
IC 1359		Glxy S?	14.8	UGC 11684 MCG 2-54-1 CGCG 426-4 ZZW103 PGC 66189
NGC 6891		PI Neb 2a+2b	11.7	PK 54-12.1 PNG 54.1-12.1
NGC 6905	H16-4	PI Neb 3+3	11.9	Henize 2-466 PK 61-9.1 PNG 61.4-9.5
NGC 6927		Glxy S0: sp	15.5	MCG 2-52-16 CGCG 424-20 PGC 64925
NGC 6928		Glxy SB(s)ab	13.2	IC 1325 PGC 64932 UGC 11589 MCG 2-52-17 CGCG 424-21 IRAS 20304+945
NGC 6934	H103-1	Globular	8.9	
NGC 6944A		Glxy SB(rs)d pec:	14.7	MCG 1-52-16 CGCG 399-24 PGC 65108
NGC 6988		Glxy	15	CGCG 425-20 PGC 65732
NGC 6972		Glxy S0/a	14.3	UGC 11640 MCG 2-53-4 CGCG 425-11 PGC 65485
NGC 6971		Glxy Sb	14.5	UGC 11637 MCG 1-53-2 CGCG 400-3 PGC 65462
NGC 6969		Glxy Sa	14.9	UGC 11633 MCG 1-53-1 CGCG 400-2 KARA889 PGC 65425
NGC 6957		Glxy Scd?	15.1	CGCG 374-7 PGC 65302
NGC 6956	H219-3	Glxy SBb	13.1	UGC 11619 MCG 2-53-1 CGCG 425-1 IRAS 20415+1219 PGC 65269
NGC 6955		Glxy SAB(r)bc	14.4	UGC 11621 CGCG 374-5 PGC 65287
NGC 6954		Glxy SA0+?	14.1	UGC 11618 MCG 0-53-1 CGCG 374-4 KARA886 PGC 65279
NGC 6950	H23-8	Open Cl cluster?		
PGC 65293		Glxy SB(r)a	14.9	UGC 11623 MCG 2-53-3 CGCG 425-3
PGC 65281		Glxy S?	14.6	UGC 11620 MCG 2-53-2 CGCG 425-2 IRAS 20417+1214 KAZ507
PGC 65252		Glxy	15.3	CGCG 447-18 CGCG 448-2
PGC 64916		Glxy S0	14.3	UGC 11587 MCG 2-52-14 CGCG 424-19 IRAS 20299+1111
PGC 64696		Glxy SA(s)bc:	14.3	UGC 11562 MCG 0-52-11 CGCG 373-10 ANON 2024+2
PGC 64694		Glxy S0?	14.4	UGC 11561 MCG 0-52-10 CGCG 373-9
NGC 7025		Glxy Sa	13.7	UGC 11681 MCG 3-54-1 CGCG 449-3 IRAS 21054+1607 KARA897 PGC 66151
NGC 7006	H52-1	Globular	10.6	very distant globular
NGC 7003		Glxy Sbc	13.8	UGC 11662 MCG 3-53-8 CGCG 448-27 IRAS 20584+1736 PGC 65887
PGC 65971		Glxy	15.7	CGCG 448-32
PGC 65841		Glxy SBb	15.5	MCG 2-53-11 CGCG 425-30
PGC 65721		Glxy	15.2	CGCG 425-18
PGC 65720		Glxy C	15.5	CGCG 425-19
PGC 65528		Glxy	15.6	CGCG 448-14
PGC 65513		Glxy	15.7	CGCG 448-12
PGC 65510		Glxy SB	15.4	CGCG 425-14
PGC 65482		Glxy	15.4	CGCG 425-10

## Delphinus - The Dolphin

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 65466		Glxy SBb:	13.8	UGC 11638 MCG 3-53-3 CGCG 448-11 ANON 2047+16
PGC 65460		Glxy S R	15.5	MCG 3-53-2 CGCG 448-10
PGC 65438		Glxy	15.6	CGCG 448-9
PGC 65416		Glxy Double System	14.4	UGC 11634 CGCG 448-8 IRAS 20459+1632
PGC 65405		Glxy	15.6	CGCG 448-7
PGC 65383		Glxy	15.7	CGCG 448-5
NGC 6944		Glxy S0:	14.8	MCG 1-52-17 CGCG 399-25 PGC 65117
NGC 6930		Glxy SB(s)ab? sp	13.6	IC 1326 PGC 64935 UGC 11590 MCG 2-52-18 CGCG 424-22 IRAS 20305+942
NGC 6927A		Glxy E6:	15.5	MCG 2-52-15 PGC 64924
NGC 6917		Glxy S	14.1	UGC 11563 MCG 1-52-7 CGCG 399-10 IRAS 20249+755 PGC 64715
IC 5080		Glxy	15.6	CGCG 448-31 PGC 65956
MAC 2026+0240		Glxy	16	
MAC 2033+0951		Glxy	16.5	
MAC 2102+1913		Glxy	16.5	
MAC 2032+0952		Glxy	16	

**Sub Total: 49****Total: 55**

## Dorado - The Goldfish

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 2018		Glxy (R)SAB(rs)bc:	15.6	ESO 156-21 PGC 14173
IC 2083		Glxy SB(s)0/a pec	14.9	ESO 157-37 FAIR774 PGC 15339
IC 2082		Glxy S0 pec	13.8	ESO 157-35 PGC 15239
IC 2081		Glxy SB0-?	14.4	ESO 157-34 PGC 15231
IC 2079		Glxy SB(rs)ab	14.8	ESO 157-33 PGC 15200
NGC 1602		Glxy IB(s)m pec:	13.3	ESO 157-32 IRAS 4267-5510 PGC 15168
NGC 1596		Glxy SA0: sp	12.1	ESO 157-31 PGC 15153
IC 2073		Glxy SB(s)cd? pec	14.6	ESO 157-29 IRAS 4253-5317 PGC 15102
IC 2071		Glxy	17.2	ESO 157-28 PGC 15088
NGC 1581		Glxy S0-	13.6	ESO 157-26 IRAS 4236-5503 PGC 15055
IC 2105		Nebula		
NGC 1698		Open Cl		
NGC 1697		Open Cl		
NGC 1696		Open Cl		
NGC 1688		Glxy SB(rs)d	12.6	ESO 119-6 IRAS 4476-5953 PGC 16050
NGC 1695		Open Cl		
NGC 1693		Open Cl		
NGC 1672		Glxy SB(s)b	10.3	ESO 118-43 VV 826 IRAS 4449-5920 PGC 15941
NGC 1676		Open Cl		
NGC 1854		Globular GCL		
NGC 1850		Open Cl 14.3 r n	9.3	
NGC 1796B		Glxy SAB(rs)bc:	15.7	
NGC 1846		Open Cl		
NGC 1844		Open Cl 14.3 p	12.1	
NGC 1842		Open Cl		
NGC 1847		Open Cl 14.3 II	11.1	
NGC 1824		Glxy SB(s)m	13	ESO 119-36 IRAS 5061-5947 PGC 16761
NGC 1831		Open Cl 14.3 IV r	11	
NGC 1838		Open Cl IV p	12.9	
NGC 1839		Open Cl OCL+E		
NGC 1836		Open Cl	12.2	
NGC 1826		Open Cl		
NGC 1834		Open Cl		
NGC 1822		Open Cl		
NGC 1835		Open Cl		
NGC 1796A		Glxy (R')SA(rs)ab:	14.8	
NGC 1829		Open Cl		
NGC 1830		Open Cl II	12.6	
NGC 1828		Open Cl II	12.5	
NGC 1818		Open Cl 13.3 IV r	9.8	
NGC 1825		Open Cl	12	
NGC 1820		Open Cl IV	9	
NGC 1816		Open Cl IV	9	
NGC 1814		Open Cl IV n	9	
NGC 1810		Open Cl 12.8 II	11.9	

## Dorado - The Goldfish

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 1796		Glxy SB(rs)c pec:	12.9	ESO 119-30 IRAS 5021-6112 PGC 16617
NGC 1805		Open Cl Ir	10	
NGC 1806		Open Cl		
NGC 1809		Glxy Sc:	13	ESO 56-48 IRAS 5023-6937 PGC 16599
NGC 1804		Open Cl	11.9	
NGC 1801		Open Cl II	12.2	
NGC 1787		Open Cl associati	10.9	
NGC 1795		Open Cl		
NGC 1793		Open Cl II	12.4	
NGC 1783		Open Cl		
NGC 1786		Globular	10.9	
NGC 1771		Glxy SAB(r)c: sp	14.2	ESO 85-27 IRAS 4585-6322 PGC 16472
NGC 1785		Non-Existent		
NGC 1776		Open Cl II		
NGC 1765		Glxy SB(rs)0-:	13.9	ESO 119-24 PGC 16444
NGC 1773		Nebula EN		
NGC 1774		Open Cl	10	
NGC 1782		Open Cl		
NGC 1769		Nebula E		
NGC 1770		Open Cl		
IC 2117		Nebula		
NGC 1768		Open Cl		
NGC 1772		Open Cl		
NGC 1763		Nebula EN		
IC 2116		Non-Existent		
IC 2115		Non-Existent		
NGC 1760		Nebula EN		
NGC 1761		Open Cl		
NGC 1764		Open Cl		
NGC 1767		Open Cl		
NGC 1755		Open Cl	9.9	
NGC 1747		Open Cl E		
NGC 1749		Open Cl		
NGC 1756		Open Cl	12.2	
NGC 1745		Nebula		
NGC 1748		Nebula E		
IC 2114		Non-Existent		
NGC 1735		Open Cl		
NGC 1733		Open Cl		
NGC 1743		Nebula cluster?		
NGC 1737		Nebula E		
NGC 1734		Open Cl		
NGC 1731		Open Cl		
NGC 1732		Open Cl	12.3	
NGC 1736		Nebula EN		

## Dorado - The Goldfish

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 1703		Glxy SB(r)b	11.9	ESO 119-19 IRAS 4521-5949 PGC 16234
NGC 1706		Glxy SA(rs)ab	13.5	ESO 85-7 FAIR240 PGC 16220
NGC 1958		Globular	13	
NGC 1953		Open Cl OCL		
NGC 1946		Open Cl		
NGC 1949		Nebula EN		
NGC 1945		Nebula EN		
NGC 1942		Open Cl		
NGC 1941		Nebula		
IC 2128		Open Cl		
NGC 1940		Open Cl II		
NGC 1933		Open Cl OCL		
NGC 1932		Non-Existent		
NGC 1937		Open Cl		
NGC 1936		Nebula E		
NGC 1934		Nebula E		
NGC 1935		Nebula E		
IC 2127		Non-Existent		
IC 2126		Non-Existent		
NGC 1929		Nebula E		
NGC 1923		Open Cl		
NGC 1925		Open Cl associati		
NGC 1928		Open Cl	11.9	
NGC 1926		Open Cl	11.8	
NGC 1920		Nebula EN+OC		
NGC 1911		Non-Existent		
NGC 1919		Open Cl		
NGC 1922		Open Cl	11.5	
NGC 1915		Non-Existent		
NGC 1921		Nebula		
NGC 1900		Open Cl OCL		
NGC 1918		Nebula SNR		
NGC 1917		Globular GCL		
NGC 1901		Open Cl III 3 m		
NGC 1910		Open Cl associati	11.2	
NGC 1905		Open Cl		
NGC 1913		Open Cl	11.1	
NGC 1902		Open Cl II		
NGC 1899		Nebula		
NGC 1897		Open Cl		
NGC 1916		Open Cl	10.4	
NGC 1903		Open Cl Ir	12	
NGC 1892		Glxy Scd:	12.8	ESO 85-61 IRAS 5169-6500 PGC 17042
NGC 1895		Nebula E		
NGC 1898		Globular	11.9	

## Dorado - The Goldfish

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 1887		Open Cl		
NGC 1884		Non-Existent		
NGC 1894		Open Cl II m	12.2	
NGC 1882		Open Cl II		
NGC 1885		Open Cl II	12	
NGC 1868		Open Cl		
NGC 1873		Open Cl		
NGC 1869		Open Cl associati		
NGC 1871		Open Cl		
NGC 1867		Open Cl OCL		
NGC 1880		Nebula E		
NGC 1881		Open Cl		
NGC 1866		Open Cl 15.0 IV r	9.8	
NGC 1877		Open Cl		
NGC 1876		Open Cl		
NGC 1874		Nebula E		
NGC 1872		Open Cl IV r	11	
NGC 1870		Open Cl 15.0 II	11.3	
NGC 1864		Open Cl		
NGC 1862		Open Cl OCL		
NGC 1865		Open Cl	12.9	
NGC 1853		Glxy SB(s)d?	13.6	ESO 158-22 IRAS 5114-5727 PGC 16911
NGC 1863		Open Cl 16.0 II	11	
NGC 1859		Open Cl II		
NGC 1860		Open Cl II	11	
NGC 1858		Open Cl		
NGC 1849		Open Cl II	12.8	
NGC 1856		Open Cl 15.0 IV r	10	
NGC 1852		Open Cl	12	
NGC 1855		Non-Existent		
NGC 2257		Globular	13.5	
NGC 2249		Open Cl	12.2	
NGC 2241		Open Cl 19.0		
NGC 2235		Glxy E2:	14	ESO 87-13 PGC 18906
NGC 2233		Glxy S0-: sp	14.8	ESO 87-11 PGC 18882
NGC 2230		Glxy (R')SA0-?	14.1	ESO 87-9 PGC 18873
NGC 2229		Glxy SAB(s)0-? sp	14.4	ESO 87-8 PGC 18867
NGC 2228		Glxy SA0^:	14.6	ESO 87-7 FAIR249 PGC 18862
NGC 2231		Open Cl		
NGC 2214		Open Cl 14.5 II r	11	
NGC 2210		Globular	10.2	
NGC 2197		Open Cl		
NGC 2187		Glxy SA(s)a?	13.3	ESO 57-68 IRAS 6041-6934 PGC 18354
NGC 2187A		Glxy SA(s)a?	13.1	ESO 57-68A PGC 18355
NGC 2181		Open Cl		

## Dorado - The Goldfish

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 2176		Open Cl		
NGC 2177		Open Cl		
NGC 2162		Open Cl		
NGC 2172		Open Cl II m	11.8	
NGC 2166		Open Cl		
NGC 2164		Open Cl 14.7 I r	10	
NGC 2155		Open Cl		
NGC 2160		Open Cl		
NGC 2159		Open Cl II m	11.4	
NGC 2153		Open Cl		
NGC 2156		Open Cl II m	11.4	
NGC 2154		Open Cl		
NGC 2157		Open Cl 14.5 IV r	10	
NGC 2151		Open Cl		
NGC 2150		Glxy (R)SAB(r)ab:	13.6	ESO 57-55 IRAS 5562-6933 PGC 18097
NGC 2147		Open Cl		
NGC 2138		Open Cl		
NGC 2140		Open Cl p		
NGC 2135		Open Cl p		
NGC 2137		Open Cl p		
NGC 2136		Open Cl 14.5 II m	10	
NGC 2130		Open Cl p		
NGC 2123		Open Cl		
NGC 2127		Open Cl		
NGC 2125		Open Cl		
NGC 2120		Open Cl		
NGC 2117		Open Cl II p		
NGC 2118		Open Cl	12	
NGC 2116		Open Cl p		
NGC 2114		Open Cl IV p		
NGC 2113		Open Cl		
NGC 2109		Open Cl		
NGC 2105		Open Cl p		
NGC 2097		Open Cl		
NGC 2108		Open Cl		
NGC 2095		Open Cl IV p		
NGC 2098		Open Cl		
NGC 2102		Open Cl		
NGC 2096		Open Cl p		
NGC 2100		Open Cl 11.8 II r	9.6	
NGC 2094		Open Cl		
NGC 2082		Glxy SB(r)b	12.6	ESO 86-21 IRAS 5415-6419 PGC 17609
NGC 2093		Open Cl		
NGC 2092		Open Cl p		
NGC 2088		Open Cl p		

## Dorado - The Goldfish

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 2091		Open Cl		
IC 2145		Nebula		
NGC 2086		Nebula		
NGC 2085		Nebula		
NGC 2084		Nebula EN		
NGC 2081		Open Cl E		
NGC 2062		Open Cl p		
NGC 2083		Nebula		
NGC 2080		Nebula		
NGC 2079		Nebula E		
NGC 2078		Nebula E		
NGC 2077		Nebula		
NGC 2074		Nebula		
NGC 2070		Nebula	8.3	Tarantula Nebula
NGC 2069		Nebula E		
NGC 2060		Open Cl III m n		
NGC 2053		Open Cl III p		
NGC 2052		Nebula		
NGC 2055		Open Cl		
NGC 2050		Open Cl		
NGC 2041		Open Cl II m	10	
NGC 2042		Open Cl II 2 r a		
NGC 2040		Nebula		
NGC 2044		Open Cl 3 m n		
NGC 2030		Open Cl		
NGC 2034		Open Cl OCL+E		
NGC 2035		Nebula EN		
NGC 2032		Nebula EN		
NGC 2048		Nebula		
NGC 2027		Open Cl 13.6 IV 2 p	11.9	
NGC 2029		Nebula EN		
NGC 2037		Open Cl n	10.3	
NGC 2033		Open Cl n	11.6	
NGC 2021		Open Cl		
NGC 2020		Nebula SNR?		
NGC 2014		Open Cl		
NGC 2011		Open Cl		
NGC 2015		Open Cl associati		
NGC 2006		Open Cl II	11.5	
NGC 2009		Open Cl II p	11	
NGC 2003		Open Cl	11.3	
NGC 2004		Open Cl 13.0 Ir	9.8	
NGC 1997		Open Cl		
NGC 2002		Open Cl II m	10.1	
NGC 2005		Globular	11.6	

## Dorado - The Goldfish

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 2001		Open Cl IV 2		
NGC 1991		Non-Existent		
NGC 1978		Open Cl		
NGC 1994		Open Cl	9.8	
NGC 1974		Open Cl 12.7 III 2 p n	9	
NGC 1983		Open Cl OCL+E		
NGC 1984		Open Cl OCL+E		
NGC 1968		Open Cl 12.6 III 3 p n	9	
NGC 1970		Nebula EN+OC		
NGC 1947		Glxy S0- pec	11.7	ESO 85-87 IRAS 5264-6347 PGC 17296
NGC 1966		Nebula EN+OC		
NGC 1971		Open Cl	11.9	
NGC 1967		Open Cl	10.8	
NGC 1969		Open Cl	12.5	
NGC 1965		Nebula EN+OC		
NGC 1962		Open Cl		
NGC 1951		Open Cl II m	10	
NGC 1955		Open Cl 11.3 III 3 p n	9	
NGC 1948		Open Cl OCL+E		
NGC 1718		Open Cl	12.3	
NGC 1727		Open Cl		
NGC 1715		Nebula		
NGC 1714		Open Cl		
IC 2111		Nebula		
NGC 1722		Open Cl		
NGC 1712		Open Cl		
NGC 1704		Open Cl	11.5	
NGC 1669		Glxy Sa?	14.8	ESO 84-38 IRAS 4428-6553 PGC 15871
NGC 1652		Non-Existent		
NGC 1649		Open Cl	11.2	
NGC 1644		Open Cl		
NGC 1641		Open Cl cluster?		
NGC 1617		Glxy SB(s)a	11.4	ESO 157-41 IRAS 4305-5442 PGC 15405
IC 2086		Glxy E	15.7	ESO 157-40 PGC 15392
IC 2085		Glxy S0^ pec sp	13.9	ESO 157-38 IRAS 4303-5430 PGC 15388
IC 2070		Glxy SAB(s)c:	14.4	ESO 118-23 IRAS 4236-5805 PGC 15048
NGC 1578		Glxy SA(s)a pec:	13.9	ESO 202-14 FAIR771 IRAS 4224-5142 PGC 15025
IC 2066		Glxy SB?	15.2	ESO 157-25 FAIR770 PGC 15019
IC 2065		Glxy Sa?	14.6	ESO 157-21 IRAS 4204-5602 PGC 14943
NGC 1566		Glxy SAB(s)bc	10.3	ESO 157-20 IRAS 4189-5503 PGC 14897
IC 2058		Glxy Sd? sp	13.9	ESO 157-18 IRAS 4168-5603 PGC 14824
IC 2055		Non-Existent		
IC 2043		Glxy Sb: sp	15.5	ESO 157-4 IRAS 4098-5348 PGC 14623
NGC 1533		Glxy SB0-	11.7	ESO 157-3 IRAS 4088-5614 PGC 14582
IC 2039		Glxy S0^: pec	14.9	ESO 157-2 PGC 14560

## Dorado - The Goldfish

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 2038		Glxy Sd pec:	15.5	ESO 157-1 PGC 14553
IC 2033		Glxy SAB(rs)a?	15	ESO 156-43 PGC 14491
IC 2032		Glxy IAB(s)m pec:	14.7	ESO 156-42 PGC 14481
NGC 1523		Non-Existent		
NGC 1522		Glxy (R')S0^: pec	13.9	ESO 156-38 FAIR301 IRAS 4048-5248 PGC 14462
NGC 1515		Glxy SAB(s)bc	12.1	ESO 156-36 IRAS 4028-5414 PGC 14397
NGC 1556		Glxy Sab pec?	13.5	ESO 202-4 IRAS 4163-5017 PGC 14818
NGC 1553		Glxy SA(r)0^	10.3	ESO 157-17 IRAS 4150-5554 PGC 14765
IC 2053		Non-Existent		
NGC 1549		Glxy E0-1	10.7	ESO 157-16 PGC 14757
IC 2052		Glxy S?	15.3	ESO 157-13 PGC 14729
NGC 1546		Glxy SA0+?	11.8	ESO 157-12 IRAS 4134-5611 PGC 14723
IC 2050		Glxy SA(rs)b pec	14.4	ESO 157-11 FAIR405 PGC 14704
IC 2046		Glxy SB	15.1	ESO 157-7 PGC 14628
IC 2044		Glxy SB	16.5	ESO 157-6 PGC 14624
IC 2023		Glxy S	15.9	ESO 156-25 PGC 14238
NGC 1506		Glxy SA0-	14.5	ESO 156-27 PGC 14256
IC 2029		Glxy SB(s)c pec	15.7	ESO 156-33 PGC 14298
NGC 1515A		Glxy SB(r)b?	15.4	ESO 156-34 FAIR397 PGC 14388
IC 2028		Glxy Scd:	15.1	ESO 156-32 PGC 14299
IC 2021		Glxy S	15.8	ESO 156-24 PGC 14229
NGC 1500		Glxy SA(r)0-:	14.9	ESO 201-13 PGC 14187

**Sub Total: 337**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 1972		Open Cl	12.6	
NGC 2193		Open Cl		

**Sub Total: 2****Total: 339**

## Draco - The Dragon

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 3144		Non-Existent		NGC 3174
NGC 6410		Non-Existent		
IC 1260		Non-Existent		
IC 4650		Non-Existent		(STAR)
IC 1252		Non-Existent		IC 4649
IC 1250		Non-Existent		
IC 1240		Non-Existent		
NGC 6262		Non-Existent		
IC 1234		Non-Existent		
IC 1233		Non-Existent		
NGC 6690		Non-Existent		
NGC 6668		Non-Existent		
NGC 6678		Non-Existent		
IC 4762		Non-Existent		
IC 4733		Non-Existent		
NGC 6648		Non-Existent		
NGC 6521A		Non-Existent		
NGC 6511		Non-Existent		
NGC 6498		Non-Existent		
NGC 6832		Non-Existent		
NGC 6762		Non-Existent		NGC 6763
NGC 6714		Non-Existent		
IC 1293		Non-Existent		(STAR)
NGC 6493A		Non-Existent		PGC 60948
IC 1270		Non-Existent		(STAR)
NGC 6473		Non-Existent		NGC 6474
IC 4668		Non-Existent		
IC 4667		Non-Existent		
IC 4666		Non-Existent		(STAR)
NGC 6448		Non-Existent		
NGC 6470		Non-Existent		NGC 6471
NGC 6245		Non-Existent		PGC 58917
NGC 6237		Non-Existent		PGC 58864
IC 1227		Non-Existent		
NGC 6202		Non-Existent		
NGC 6191		Non-Existent		
NGC 6133		Non-Existent		
NGC 6127		Non-Existent		NGC 6128
IC 1098		Non-Existent		(STAR)
NGC 5866A		Non-Existent		
NGC 5826		Non-Existent		
NGC 4954		Non-Existent		NGC 4972
IC 802		Non-Existent		
NGC 4345		Non-Existent		
NGC 4128A		Non-Existent		

## Draco - The Dragon

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 3939	H971-3	Non-Existent		
NGC 3747	H969-3	Non-Existent		
NGC 6135		Non-Existent		
NGC 6125	H810-2	Non-Existent		
IC 1217		Non-Existent		
NGC 6088B		Non-Existent		
NGC 6088A		Non-Existent		
IC 1200		Non-Existent		
NGC 5976A		Non-Existent		
NGC 5906		Non-Existent		
NGC 5867		Non-Existent		
NGC 3210	H979-3	Non-Existent		
NGC 3329	H284-1	Non-Existent		NGC 3397
NGC 3465	H967-3	Non-Existent		NGC 3500
NGC 3538		Non-Existent		
NGC 3484		Non-Existent		
NGC 3183	H283-1	Non-Existent		NGC 3218
NGC 3155	H965-3	Non-Existent		NGC 3194

**Sub Total: 63**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 836		Glxy S	14.7	
IC 1286		Glxy Sab	14.7	UGC 11191 MCG 9-30-10 CGCG 279-7 IRAS 18153+5534 PGC 61666
IC 1267		Glxy SBb	14.2	UGC 10937 MCG 10-25-77 CGCG 300-56 PGC 60635
IC 1261		Glxy E		MCG 12-16-32A CGCG 339-39 PGC 60185
IC 1259		Glxy S0 pec?	15.9	UGC 10869 MCG 10-25-37A CGCG 300-30 VV 101 ARP 310 PGC 60323
IC 1258		Glxy Sab?	14.4	UGC 10867 MCG 10-25-35 CGCG 300-29 VV 101 ARP 311 PGC 60320
IC 1254		Glxy Sb? pec	15	UGC 10769 MCG 12-16-24 CGCG 339-32 PGC 59783
IC 1251		Glxy Scd:	14.2	UGC 10757 MCG 12-16-21 CGCG 339-29 PGC 59735
IC 1248		Glxy SB(r)c	14.3	UGC 10756 MCG 10-24-106 CGCG 299-59 IRAS 17110+6002 PGC 59791
IC 1241		Glxy Sc	14	UGC 10670 CGCG 321-11 IRAS 17011+6345 KAZ445 PGC 59452
IC 1291		Glxy SB(s)dm?	13.5	UGC 11283 MCG 8-34-4 CGCG 255-6 IRAS 18326+4914 KAZ486 PGC 62049
IC 1237		Glxy SB(s)c:	14.3	UGC 10621 MCG 9-28-10 CGCG 277-16 IRAS 16552+5505 PGC 59280
IC 1235		Glxy S?	15	MK 1109 CGCG 320-47 PGC 59146
IC 1231		Glxy Scd:	13.6	UGC 10560 MCG 10-24-56 CGCG 299-29 IRAS 16461+5830 KARA772 PGC 58973
IC 1229		Glxy SB	16.8	MCG 9-27-72 PGC 58902
IC 1228		Glxy (R')SB(s)ab	14.2	UGC 10524 MCG 11-20-26 CGCG 320-38 IRAS 16418+6540 PGC 58804
IC 1225		Glxy SBb?	15.3	UGC 10494 MCG 11-20-22 CGCG 320-34 IRAS 16368+6744 KARA756 PGC 58607
IC 1218		Glxy S?	14.5	MCG 11-20-11 CGCG 320-22 KAZ69 PGC 57699
IC 1216		Glxy Scd:	14.8	UGC 10326 MCG 11-20-10 CGCG 338-50 CGCG 320-21 KAZ66 PGC 57664
IC 1215		Glxy SB?	14.1	UGC 10315 MCG 11-20-9A CGCG 338-49 CGCG 320-17 IRAS 16155+6831 KAZ65 PGC 57638
IC 1214		Glxy S0/a	15	UGC 10323 MCG 11-20-9 CGCG 320-19 PGC 57675

## Draco - The Dragon

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 1212		Glxy	15.1	CGCG 320-16 PGC 57633
IC 1211		Glxy E	13.7	UGC 10314 MCG 9-27-9 CGCG 276-7 1ZW139 KARA732 PGC 57707
IC 1210		Glxy Sab	14	UGC 10304 MCG 10-23-48 CGCG 298-21 IRAS 16138+6239 KAZ62 PGC 57589
IC 1201		Glxy Sb	15.5	UGC 10221 MCG 12-15-51 CGCG 338-44 PGC 57104
IC 1147		Glxy S	15.6	MCG 12-15-27 CGCG 338-27 PGC 56159
IC 1146		Glxy S	14.7	MCG 12-15-19 CGCG 338-21 PGC 56085
IC 1065		Glxy SB0	14.4	UGC 9553 MCG 11-18-8 CGCG 318-4 PGC 52924
IC 1099		Glxy SAB(r)c:	14.7	UGC 9731 MCG 9-25-21 CGCG 297-3 IRAS 15055+5641 PGC 53967
IC 1049		Glxy SBa	14.7	UGC 9461 MCG 10-21-21 CGCG 296-16 KARA641 PGC 52379
IC 1100		Glxy S?	14.3	UGC 9729 MCG 11-18-25 CGCG 318-14 IRAS 15053+6310 PGC 53920
NGC 2908	H977-3	Glxy S	14.2	UGC 5152 MCG 13-7-34 CGCG 350-29 IRAS 9375+7955 PGC 27831
NGC 2938	H963-3	Glxy SB(rs)cd	14.2	UGC 5115 MCG 13-7-32 CGCG 350-27 PGC 27473
NGC 2957B		Glxy E	15.7	
NGC 2977	H282-1	Glxy Sb:	13.3	UGC 5175 MCG 13-7-35 CGCG 350-30 IRAS 9388+7505 KARA363 PGC 27845
NGC 3061	H903-2	Glxy (R')SB(rs)c	13.5	UGC 5319 MCG 13-7-40 CGCG 350-36 IRAS 9513+7606 KARA382 PGC 28670
NGC 4159	H941-3	Glxy S?	14.4	UGC 7174 MCG 13-9-15 CGCG 352-22 IRAS 12085+7624 PGC 38777
NGC 4108		Glxy (R')SAc:	13	UGC 7101 MCG 11-15-23 CGCG 315-15 IRAS 12042+6726 PGC 38423
NGC 4034	H903-3	Glxy Scd:	14.2	UGC 7006 MCG 12-11-44 CGCG 335-2 CGCG 334-58 PGC 37935
NGC 3961	H905-3	Glxy (R)SB(r)a:	14.4	UGC 6885 CGCG 334-55 PGC 37390
NGC 3890	H940-3	Glxy S?	14.1	UGC 6788 MCG 13-9-3 CGCG 352-8 IRAS 11465+7434 PGC 36925
NGC 3879	H881-2	Glxy Sdm:	13.6	UGC 6752 MCG 12-11-40 CGCG 334-51 IRAS 11441+6939 PGC 36743
NGC 3752	H905-2	Glxy Sab	13.8	UGC 6515 MCG 13-8-64 CGCG 351-63 IRAS 11293+7454 KARA484 PGC 35608
NGC 3736		Glxy Sb	15.3	UGC 6560 MCG 12-11-35 CGCG 334-41 KARA488 PGC 35835
NGC 3735	H287-1	Glxy SAc: sp	12.5	UGC 6567 MCG 12-11-36 CGCG 334-42 IRAS 11330+7048 PGC 35869
NGC 3343	H317-3	Glxy E	14.4	UGC 5863 MCG 12-10-73 CGCG 333-51 PGC 32143
NGC 4133	H278-1	Glxy SABb:	13.1	UGC 7127 MCG 13-9-13 CGCG 352-20 IRAS 12063+7510 PGC 38578
NGC 4128	H263-1	Glxy SA0: sp	12.9	UGC 7120 MCG 12-12-2A CGCG 335-3 PGC 38555
NGC 4125		Glxy E6 pec	10.7	UGC 7118 MCG 11-15-27 CGCG 315-19 IRAS 12055+6527 PGC 38524
NGC 4121		Glxy E	14.4	MCG 11-15-26 CGCG 315-18 PGC 38508
NGC 4120	H904-3	Glxy SA(rs)cd:	14.2	UGC 7121 MCG 12-12-1 CGCG 335-4 IRAS 12060+6949 PGC 38553
NGC 4108B		Glxy SAB(s)d pec?	14.3	UGC 7106 MCG 11-15-25 CGCG 315-16 7ZW439 IRAS 12046+6730 PGC 38461
NGC 4108A		Glxy SBbc:	14.6	UGC 7088 MCG 11-15-21 CGCG 315-13 PGC 38343
NGC 3252	H316-3	Glxy SBd? sp	14.1	UGC 5732 MCG 12-10-49 CGCG 333-39 IRAS 10303+7401 PGC 31278
NGC 3218	H283-1	Glxy SB(s)bc:	12.7	NGC 3183 PGC 30323 UGC 5582 MCG 12-10-28 CGCG 333-23 CGCG 351-18 IRAS 10176+7425
NGC 3215	H981-3	Glxy S?	14	UGC 5659 MCG 13-8-22 CGCG 351-24 CGCG 350-55 VV 319 ARP 181 PGC 30840
NGC 3212	H980-3	Glxy SB?	14.1	UGC 5643 MCG 13-8-21 CGCG 350-54 CGCG 351-23 VV 319 ARP 181 IRAS 10232+8004 PGC 30813
NGC 3197	H966-3	Glxy Sbc	14.3	UGC 5500 MCG 13-8-9 CGCG 351-10 CGCG 350-45 PGC 29870
NGC 3194	H965-3	Glxy S?	13.9	NGC 3155 PGC 30064 UGC 5538 MCG 12-10-26 CGCG 351-12 IRAS 10133+7436
NGC 3174	H964-3	Glxy SB(s)ab pec:	14.3	NGC 3144 PGC 29949 UGC 5519 MCG 12-10-23 CGCG 333-20 CGCG 351-11
NGC 3147	H79-1	Glxy SA(rs)bc	11.4	UGC 5532 MCG 12-10-25 CGCG 333-22 IRAS 10126+7339 PGC 30019
NGC 5881	H818-2	Glxy SB(s)dm	15.1	IC 1100 PGC 54150 UGC 9764 MCG 11-18-29 CGCG 318-19 CGCG 319-2
NGC 5879	H757-2	Glxy SA(rs)bc:?	11.5	UGC 9753 MCG 10-22-1 CGCG 297-4 IRAS 15084+5711 PGC 54117
NGC 5870		Glxy S0?	14.9	UGC 9725 MCG 9-25-16 CGCG 274-17 IRAS 15053+5540 PGC 53949
NGC 5866B		Glxy SAB(rs)dm:	14.8	UGC 9769 MCG 9-25-34 CGCG 274-33 KUG 1510+559 PGC 54267

## Draco - The Dragon

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 5866	H215-1	Glxy SA0+ sp	10.7	M 102 MCG -3-5-8 IRAS 1322-1545 PGC 53933
NGC 5862		Glxy C	15.6	CGCG 274-15 PGC 53900
NGC 5807		Glxy Compact	15.2	MCG 11-18-16 MK 832 CGCG 318-9 PGC 53373
NGC 5779		Glxy S	15.7	MCG 9-24-48 CGCG 273-31 PGC 53090
NGC 5777	H806-3	Glxy Sb	14.1	UGC 9568 MCG 10-21-34 CGCG 296-18 IRAS 14499+5910 PGC 53043
NGC 6019		Glxy	15.7	CGCG 319-31 PGC 56265
NGC 6015	H739-3	Glxy SA(s)cd	11.7	UGC 10075 MCG 10-23-3 CGCG 298-3 CGCG 319-28 IRAS 15506+6227 KARA710 PGC 56219
NGC 5989	H738-3	Glxy Scd?	13.8	UGC 9985 MCG 10-22-34 CGCG 297-28 IRAS 15405+5954 PGC 55802
NGC 5987	H765-2	Glxy Sb	12.7	UGC 9971 MCG 10-22-32 CGCG 297-26 IRAS 15387+5814 PGC 55740
NGC 5985	H766-2	Glxy SAB(r)b	11.9	UGC 9969 MCG 10-22-30 CGCG 297-25 IRAS 15385+5929 PGC 55725
NGC 5982	H764-2	Glxy E3	12	UGC 9961 MCG 10-22-29 CGCG 297-24 PGC 55674
NGC 5981		Glxy Sc? sp	13.9	UGC 9948 MCG 10-22-27 CGCG 297-23 IRAS 15368+5933 PGC 55647
NGC 5976		Glxy SA0:	15.8	MCG 10-22-25 CGCG 297-22 PGC 55609
NGC 5971		Glxy Sa	14.7	UGC 9929 MCG 9-26-2 CGCG 297-19 PGC 55529
NGC 6679		Glxy Spherical	15.8	UGC 11288 MCG 11-22-56 CGCG 322-46 CGCG 323-1 7ZW814 VV 672 KAZ208 PGC 62026
NGC 6677		Glxy Compact	13.6	UGC 11288 MCG 11-22-55 CGCG 322-46 CGCG 323-1 7ZW814 VV 672 KAZ207 PGC 62029
NGC 6676		Glxy Sbc	15.2	UGC 11286 MCG 11-22-54 CGCG 322-45 IRAS 18331+6655 KUG 1833+669 PGC 62021
NGC 6670		Glxy Triple System	15.1	UGC 11284 MCG 10-26-44 CGCG 301-31 7ZW812 IRAS 18329+5950 PGC 62033
NGC 6667		Glxy SABab? pec	13.6	NGC 6668 PGC 61972 UGC 11269 MCG 11-22-53 CGCG 322-44 IRAS 18308+6756
NGC 6654A		Glxy SB(s)d pec?	13.5	UGC 11332 MCG 12-17-29 CGCG 340-53 CGCG 341-4 IRAS 18406+7331 KAZ212 PGC 62207
NGC 6654		Glxy (R')SB(s)0/a	13	UGC 11238 MCG 12-17-23 CGCG 340-45 7ZW793 IRAS 18252+7309 KARA851 PGC 61833
NGC 6651		Glxy SA(r)c	13.8	UGC 11236 MCG 12-17-22 CGCG 340-44 IRAS 18250+7134 PGC 61836
NGC 6650		Glxy C	14.7	CGCG 322-43 7ZW794 PGC 61857
NGC 6643		Glxy SA(rs)c	11.7	UGC 11218 MCG 12-17-21 CGCG 340-43 IRAS 18212+7432 KARA850 PGC 61742
NGC 6636		Glxy S?	14.2	UGC 11221 MCG 11-22-46 CGCG 322-41 7ZW790 VV 368 VV 679 KAZ198 PGC 61782
NGC 6622		Glxy S	16.3	UGC 11175 MCG 11-22-31 CGCG 322-36 VV 247 ARP 81 PGC 61579
NGC 6621		Glxy Sb: pec	13.6	UGC 11175 MCG 11-22-30 CGCG 322-36 7ZW778 VV 247 ARP 81 IRAS 18131+6820 PGC 61582
NGC 6617		Glxy SA(s)d	15.2	UGC 11176 MCG 10-26-29 CGCG 301-25 PGC 61613
NGC 6609		Glxy Irr	16	MCG 10-26-24 CGCG 301-21 7ZW773 KAZ190 PGC 61556
NGC 6608		Glxy Sb	15.3	MCG 10-26-25 CGCG 301-20 PGC 61559
NGC 6607		Glxy Sb	15.6	MCG 10-26-23 PGC 61550
NGC 6601		Glxy E/S0	15.6	MCG 10-26-22 CGCG 301-19 PGC 61533
NGC 6598		Glxy Pec	14	UGC 11139 MCG 12-17-18 CGCG 340-37 KAZ187 PGC 61462
NGC 6597		Glxy E/S0	15.7	MCG 10-26-20 CGCG 301-18 PGC 61520
NGC 6594		Glxy S	15.2	MCG 10-26-19 CGCG 301-17 IRAS 18095+6107 PGC 61482
NGC 6592		Glxy E/S0	15.4	MCG 10-26-18 CGCG 301-16 7ZW771 PGC 61477
NGC 6566		Glxy E	15.4	MCG 9-30-1 CGCG 279-2 KARA845 PGC 61418
NGC 6562		Glxy C	14.7	MCG 9-29-51 CGCG 279-1 CGCG 278-46 PGC 61376
NGC 6552		Glxy SB?	14.6	UGC 11096 MCG 11-22-18 CGCG 322-26 IRAS 18001+6638 KUG 1800+666 PGC 61252
NGC 6543	H37-4	PI Neb 3a+2	8.8	the Cat's Eye Nebula
NGC 6542		Glxy S0/a: sp	14.2	UGC 11092 MCG 10-25-126 CGCG 300-103 CGCG 301-9 IRAS 17591+6121

## Draco - The Dragon

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
				KAZ177 PGC 61239
NGC 6538		Glxy S	14.3	UGC 11062 MCG 12-17-12 CGCG 340-25 IRAS 17554+7325 PGC 61072
NGC 6536		Glxy SB(r)b	14.2	UGC 11077 MCG 11-22-16 CGCG 322-25 IRAS 17571+6456 KUG 1757+649 PGC 61166
NGC 6534		Glxy S?	15.4	MCG 11-22-13 CGCG 322-22 PGC 61126
NGC 6532		Glxy SAc	14.6	UGC 11085 MCG 9-29-45 CGCG 278-42 IRAS 17583+5613 PGC 61220
NGC 6521		Glxy E	13.9	UGC 11061 MCG 10-25-119 CGCG 301-2 CGCG 300-95 PGC 61121
NGC 6516		Glxy Sp	15.8	MCG 10-25-118 CGCG 300-94 CGCG 301-1 PGC 61109
NGC 6515		Glxy E	14	UGC 11071 MCG 8-33-3 CGCG 254-4 PGC 61167
NGC 6512		Glxy E?	14.9	MCG 10-25-115 CGCG 300-93 PGC 61089
NGC 6510		Glxy SB	14.4	NGC 6511 PGC 61086 UGC 11051 MCG 10-25-114 CGCG 300-92 IRAS 17540+6049 KAZ172
NGC 6508		Glxy E:	13.8	UGC 11023 MCG 12-17-10 CGCG 340-21 PGC 60938
NGC 6505		Glxy E/S0	15	UGC 11026 MCG 11-22-7 CGCG 322-18 PGC 60995
NGC 6503		Glxy SA(s)cd	10.9	UGC 11012 MCG 12-17-9 CGCG 340-19 IRAS 17499+7009 KARA837 PGC 60921
NGC 6497		Glxy SB(r)b	14.3	NGC 6498 PGC 60999 UGC 11020 MCG 10-25-109 CGCG 300-87 IRAS 17506+5929
NGC 6493		Glxy SAB(r)cd:	15.1	UGC 11011 MCG 10-25-105 CGCG 300-84 PGC 60961
NGC 6491		Glxy Sab	14.5	NGC 6493A PGC 60949 UGC 11008 MCG 10-25-103 CGCG 300-80 IRAS 17494+6132
NGC 6489		Glxy Spherical	15.2	MCG 10-25-99 CGCG 300-79 KAZ166 PGC 60928
NGC 6488		Glxy C	14.8	MCG 10-25-98 CGCG 300-76 ARAK533 PGC 60918
NGC 6479		Glxy Sc	14.4	UGC 10996 CGCG 278-32 IRAS 17473+5409 PGC 60890
NGC 6478		Glxy SAc:	14	UGC 10998 MCG 9-29-32 CGCG 278-33 IRAS 17474+5110 PGC 60896
NGC 6477		Glxy E/S0		MCG 11-21-24 IRAS 17444+6737 PGC 60779
NGC 6474		Glxy S	15	NGC 6473 PGC 60850 UGC 10989 MCG 10-25-92 CGCG 300-68 IRAS 17462+5718
NGC 6472		Glxy SBb	15	UGC 10974 MCG 11-21-25 CGCG 321-39 CGCG 322-9 KAZ159 PGC 60778
NGC 6471		Glxy Scd:	15.4	NGC 6470 UGC 10973 MCG 11-21-23 CGCG 321-38 CGCG 322-8 KAZ158 PGC 60773
NGC 6466		Glxy	15	CGCG 278-30 PGC 60883
NGC 6464		Glxy Spiral	15.3	MCG 10-25-87 CGCG 300-65 IRAS 17452+6054 KAZ160 PGC 60818
NGC 6463		Glxy E	15.1	MCG 11-21-22 CGCG 321-37 CGCG 322-7 PGC 60755
NGC 6462		Glxy E?	14.9	MCG 10-25-85 CGCG 300-63 ARAK529 7ZW740 IRAS 17443+6155 KARA829 PGC 60790
NGC 6461		Glxy	15.7	CGCG 339-54 CGCG 340-15 PGC 60631
NGC 6459		Glxy Sab	15.3	MCG 9-29-29 CGCG 278-25 PGC 60817
NGC 6457		Glxy S0-:	15.2	UGC 10964 MCG 11-21-21 CGCG 321-35 CGCG 322-5 PGC 60738
NGC 6456		Glxy C	15.4	MCG 11-21-20 CGCG 321-34 CGCG 322-4 PGC 60729
NGC 6454		Glxy S?	14.5	MCG 9-29-26 CGCG 278-24 PGC 60795
NGC 6449		Glxy Scd:	14.5	UGC 10965 MCG 9-29-20 CGCG 278-20 IRAS 17429+5649 PGC 60762
NGC 6436		Glxy Scd:	14.7	UGC 10951 MCG 10-25-82 CGCG 300-60 PGC 60695
NGC 6435		Glxy Compact	14.7	UGC 10947 MCG 10-25-80 CGCG 300-58 PGC 60667
NGC 6434	H741-3	Glxy SBbc:	13.2	UGC 10934 MCG 12-17-2 CGCG 339-53 CGCG 340-13 IRAS 17376+7207 PGC 60573
NGC 6424		Glxy Compact	14.4	UGC 10932 MCG 12-17-1 CGCG 340-11 PGC 60552
NGC 6423		Glxy C	15.8	MCG 11-21-16 CGCG 321-27 ARAK524 PGC 60576
NGC 6422		Glxy E/S0	15.1	MCG 11-21-15 CGCG 321-26 PGC 60558
NGC 6420		Glxy E/S0	15.4	MCG 11-21-13 ARAK523 PGC 60532
NGC 6419		Glxy Sa	15.5	UGC 10924 MCG 11-21-12 CGCG 321-24 PGC 60543

## Draco - The Dragon

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 6418		Glxy Sb	14.8	MCG 10-25-74 CGCG 300-54 KAZ149 PGC 60610
NGC 6414		Glxy S	15.4	UGC 10906 MCG 12-16-41 CGCG 340-5 CGCG 339-47 PGC 60416
NGC 6412	H41-6	Glxy SA(s)c	12.3	UGC 10897 MCG 13-12-26 CGCG 355-34 CGCG 356-4 VV 444 ARP 38 IRAS 17313+7544 PGC 60393
NGC 6411		Glxy E	12.8	UGC 10916 MCG 10-25-68 CGCG 300-52 PGC 60536
NGC 6409		Glxy	14.8	CGCG 253-20 PGC 60565
NGC 6399		Glxy S0/a	14.7	UGC 10896 MCG 10-25-59 CGCG 300-47 PGC 60442
NGC 6395		Glxy Scd:	13	UGC 10876 MCG 12-16-39 CGCG 339-44 IRAS 17272+7108 PGC 60291
NGC 6394		Glxy Spiral	16	MCG 10-25-54 PGC 60405
NGC 6393		Glxy SBb	15.3	UGC 10889 MCG 10-25-55 CGCG 300-45 IRAS 17296+5940 PGC 60410
NGC 6391		Glxy E/S0	15	MCG 10-25-49 CGCG 300-41 PGC 60358
NGC 6390		Glxy Sbc	14.6	UGC 10881 MCG 10-25-47 CGCG 300-40 KAZ141 PGC 60356
NGC 6387		Glxy H II	15.2	CGCG 300-37 1ZW189 IRAS 17275+5735 PGC 60355
NGC 6386		Glxy Sbc	14.8	MCG 9-29-4 CGCG 277-45 CGCG 278-2 PGC 60367
NGC 6385		Glxy SB(s)a	14	UGC 10877 MCG 10-25-44 CGCG 300-35 PGC 60343
NGC 6382		Glxy S	15	MCG 9-29-1 CGCG 277-44 PGC 60342
NGC 6381		Glxy SA(s)c?	13.6	UGC 10871 MCG 10-25-38 CGCG 300-34 IRAS 17266+6003 KAZ460 PGC 60321
NGC 6377		Glxy Sa	15.5	UGC 10855 MCG 10-25-26 CGCG 300-24 KAZ136 PGC 60264
NGC 6376		Glxy S0/a	14.1	UGC 10855 MCG 10-25-25 CGCG 300-24 7ZW712 KAZ135 PGC 60258
NGC 6373		Glxy SAB(s)c	14.3	UGC 10850 MCG 10-25-23 CGCG 300-22 PGC 60220
NGC 6370		Glxy E	13.9	UGC 10836 MCG 10-25-20 CGCG 300-21 PGC 60192
NGC 6365B		Glxy S	14.8	
NGC 6365A		Glxy SBcd:	14.6	UGC 10832 MCG 10-25-19 CGCG 300-20 VV 232 ARP 30 PGC 60174
NGC 6365		Glxy Sdm:	14.8	UGC 10833 MCG 10-25-18 CGCG 300-20 VV 232 ARP 30 IRAS 17222+6212 PGC 60171
NGC 6361		Glxy SAb: sp	13.9	UGC 10815 MCG 10-25-4 CGCG 300-9 ARP 124 PGC 60045
NGC 6359		Glxy SA0-:	13.6	UGC 10804 MCG 10-25-1 CGCG 299-72 CGCG 300-5 PGC 60025
NGC 6358		Glxy S	15.1	UGC 10810 MCG 9-28-33 CGCG 277-34 PGC 60054
NGC 6346		Glxy E	15.6	MCG 10-24-114 CGCG 299-64 PGC 59946
NGC 6345		Glxy S/S0	15.4	MCG 10-24-115 CGCG 299-65 PGC 59945
NGC 6340	H767-2	Glxy SA(s)0/a	11.9	UGC 10762 MCG 12-16-23 CGCG 339-31 PGC 59742
NGC 6338	H812-2	Glxy S0	13.4	UGC 10784 MCG 10-24-116 CGCG 299-66 PGC 59947
NGC 6319		Glxy E/S0	14.5	UGC 10744 MCG 11-21-10 CGCG 321-15 IRAS 17092+6302 PGC 59717
NGC 6317		Glxy L	16	MCG 11-21-9 PGC 59708
NGC 6310		Glxy Sb: sp	13.9	UGC 10730 MCG 10-24-100 CGCG 299-55 IRAS 17073+6103 PGC 59662
NGC 6307		Glxy (R')SB(s)0/a p	13.9	UGC 10727 MCG 10-24-99 CGCG 299-54 PGC 59655
NGC 6306		Glxy SB(s)ab pec:	14.4	UGC 10724 MCG 10-24-98 CGCG 299-53 IRAS 17069+6047 KAZ5 PGC 59654
NGC 6303		Glxy E	14.7	UGC 10711 MCG 12-16-17 CGCG 321-13 PGC 59573
NGC 6299		Glxy S	15.1	MCG 10-24-97 CGCG 299-51 PGC 59561
NGC 6297		Glxy S0	13.6	UGC 10690 CGCG 299-50 PGC 59525
NGC 6295		Glxy S	15.8	UGC 10682 MCG 10-24-92 IRAS 17025+6024 PGC 59510
NGC 6292		Glxy Sbc	14.3	UGC 10684 MCG 10-24-93 CGCG 299-47 IRAS 17024+6106 PGC 59498
NGC 6291		Glxy SBb	14.8	MCG 10-24-85 CGCG 299-42 PGC 59433
NGC 6290		Glxy SBa	14.5	UGC 10665 MCG 10-24-88 CGCG 299-43 ARAK513 PGC 59428
NGC 6289		Glxy E/S0	15.5	MCG 11-21-7 CGCG 320-56 CGCG 321-9 PGC 59322
NGC 6288		Glxy E/S0	15.3	MCG 11-21-6 CGCG 320-55 CGCG 321-8 PGC 59312

# Draco - The Dragon

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 6286		Glxy Sb: pec	14.1	UGC 10647 MCG 10-24-84 CGCG 299-40 ARP 293 IRAS 16577+5900 PGC 59352
NGC 6285		Glxy S0+? pec	14.5	MCG 10-24-81 CGCG 299-37 ARP 293 KAZ111 PGC 59344
NGC 6275		Glxy Compact	15.2	MK 503 PGC 59262
NGC 6260		Glxy Sc	14.8	MCG 11-20-29 CGCG 320-46 KAZ434 PGC 59142
NGC 6258		Glxy E	14.4	UGC 10595 MCG 10-24-73 CGCG 299-35 PGC 59165
NGC 6248		Glxy SBd	13.7	UGC 10564 MCG 12-16-9 CGCG 339-20 KAZ95 PGC 58946
NGC 6247		Glxy Pec	13.7	UGC 10572 CGCG 320-44 IRAS 16478+6303 KAZ98 PGC 59023
NGC 6246A		Glxy SAB(r)c pec:	14.1	UGC 10584 MCG 9-27-101 CGCG 276-50 CGCG 277-7 IRAS 16492+5528 PGC 59090
NGC 6246		Glxy SBb?	14.4	UGC 10580 MCG 9-27-98 CGCG 277-5 CGCG 276-48 IRAS 16488+5537 PGC 59077
NGC 6244		Glxy SBA:	14.4	UGC 10568 MCG 10-24-59 CGCG 299-32 IRAS 16475+6217 KAZ96 PGC 59009
NGC 6238		Glxy Pec	14.6	UGC 10563 MCG 10-24-57 CGCG 299-31 IRAS 16467+6213 KAZ92 PGC 58980
NGC 6236		Glxy SAB(s)cd	12.6	UGC 10546 MCG 12-16-8 CGCG 339-19 IRAS 16450+7052 KAZ88 PGC 58891
NGC 6232		Glxy (R')SB(s)a	13.4	UGC 10537 MCG 12-16-7 CGCG 339-16 KAZ87 PGC 58841
NGC 6226		Glxy Pec	14	NGC 6202 PGC 58847 UGC 10532 MCG 10-24-43 CGCG 299-22
NGC 6223		Glxy Pec	12.6	UGC 10527 MCG 10-24-40 CGCG 299-21 7ZW657 PGC 58828
NGC 6214		Glxy S	14.3	UGC 10507 MCG 11-20-24 CGCG 320-36 IRAS 16393+6608 PGC 58709
NGC 6213		Glxy Early Spiral	15.7	MCG 10-24-30 CGCG 299-17 PGC 58778
NGC 6211		Glxy SB(r)0^ pec:	13.6	UGC 10516 MCG 10-24-27 CGCG 299-14 7ZW655 KAZ82 PGC 58775
NGC 6206		Glxy S0:	14.6	IC 1227 PGC 58723 UGC 10506 MCG 10-24-18 CGCG 299-9 KAZ78
NGC 6198		Glxy E	14.6	UGC 10467 MCG 10-24-3 CGCG 299-7 PGC 58554
NGC 6190		Glxy Scd:	13.3	UGC 10443 MCG 10-23-82 CGCG 298-44 CGCG 299-4 IRAS 16312+5832 PGC 58458
NGC 6189		Glxy Scd:	13.4	NGC 6191 PGC 58440 UGC 10442 MCG 10-23-81 CGCG 298-43 CGCG 299-3 IRAS 16307+5944
NGC 6187		Glxy S	15.3	MCG 10-23-79 CGCG 298-42 CGCG 299-2 PGC 58429
NGC 6182	H813-3	Glxy Sa	14.4	UGC 10424 MCG 9-27-48 CGCG 276-24 PGC 58338
NGC 6176		Glxy E/S0	14.8	MCG 10-23-76 CGCG 298-38 PGC 58188
NGC 6170		Glxy		
NGC 6157		Glxy E/S0	15.5	MCG 9-27-39 CGCG 276-18 PGC 58101
NGC 6143	H811-2	Glxy SAB(rs)bc:	13.9	UGC 10358 MCG 9-27-24 CGCG 276-11 IRAS 16205+5512 PGC 57919
NGC 6140	H740-3	Glxy SB(s)cd pec	11.8	UGC 10359 MCG 11-20-12 CGCG 320-25 IRAS 16206+6530 PGC 57886
NGC 6136		Glxy Sc	15.5	MCG 9-27-19 CGCG 276-10 PGC 57892
NGC 6130		Glxy SBbc:	14.3	UGC 10347 MCG 10-23-66 CGCG 298-30 IRAS 16185+5743 PGC 57828
NGC 6128		Glxy E	12.7	NGC 6127 PGC 57812 UGC 10345 MCG 10-23-65 CGCG 298-29 1ZW142
NGC 6123		Glxy S0/a	14.8	UGC 10333 MCG 10-23-60 CGCG 298-28 KAZ67 KARA734 PGC 57729
NGC 6111		Glxy E/S0	15.2	IC 1210 UGC 10304 MCG 10-23-48 CGCG 298-21 IRAS 16138+6239 KAZ62 PGC 57589
NGC 6095		Glxy S0-:	13.6	UGC 10265 MCG 10-23-33 CGCG 298-14 PGC 57411
NGC 6090		Glxy S0?	13.9	UGC 10267 MCG 9-26-64 MK 496 CGCG 276-2 CGCG 275-29 1ZW135 VV 626 PGC 57437
NGC 6088	H812-3	Glxy	15.6	
NGC 6024		Glxy S	15.1	MCG 11-19-26 CGCG 319-32 PGC 56294
NGC 5969		Glxy E/S0	15.4	MCG 9-25-59 CGCG 297-18 PGC 55491
NGC 5965	H762-2	Glxy Sb	12.6	UGC 9914 MCG 10-22-20 CGCG 297-16 IRAS 15328+5651 PGC 55459
NGC 5963	H761-2	Glxy S pec	13.1	UGC 9906 MCG 9-25-58 CGCG 297-15 IRAS 15322+5643 PGC 55419
NGC 5949	H906-2	Glxy SA(r)bc?	12.8	UGC 9866 MCG 11-19-8 CGCG 319-16 IRAS 15273+6456 KARA682 PGC 55165

# Draco - The Dragon

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 5908	H760-2	Glxy SA(s)b: sp	12.8	UGC 9805 MCG 9-25-41 CGCG 274-39 IRAS 15153+5535 PGC 54522
NGC 5907	H759-2	Glxy SA(s)c: sp	11.1	NGC 5906 UGC 9801 MCG 9-25-40 CGCG 274-38 CGCG 297-10 IRAS 15146+5629 PGC 54470
NGC 5905	H758-2	Glxy SB(r)b	12.5	UGC 9797 MCG 9-25-38 CGCG 274-36 IRAS 15140+5541 PGC 54445
NGC 5894	H763-2	Glxy SBdm?	13.4	UGC 9768 MCG 10-22-4 CGCG 297-6 IRAS 15105+5959 PGC 54234
NGC 5678	H237-1	Glxy SAB(rs)b	12.1	UGC 9358 MCG 10-21-5 CGCG 296-9 IRAS 14306+5808 KARA634 PGC 51932
NGC 5667	H807-2	Glxy Scd: pec	13.2	UGC 9344 MCG 10-21-4 CGCG 296-8 IRAS 14289+5941 PGC 51830
NGC 5413		Glxy E	14.2	UGC 8901 MCG 11-17-12 CGCG 317-12 PGC 49677
NGC 5283		Glxy S0?	14.2	UGC 8672 MCG 11-17-7 MK 270 CGCG 317-6 PGC 48425
NGC 4857	H908-3	Glxy SABb	14.6	UGC 8077 MCG 12-12-22 CGCG 335-29 IRAS 12554+7028 PGC 44284
NGC 4750	H78-4	Glxy (R)SA(rs)ab	12.1	UGC 7994 MCG 12-12-19 CGCG 335-25 IRAS 12483+7308 PGC 43426
NGC 4749	H907-3	Glxy Sb? sp	14.3	UGC 8006 MCG 12-12-20 CGCG 335-26 IRAS 12493+7154 PGC 43527
NGC 4513		Glxy (R)SA0^	14	UGC 7683 MCG 11-15-59 CGCG 315-42 PGC 41527
NGC 4512		Glxy SB(s)dm	14.3	UGC 7700 MCG 11-15-60 CGCG 315-45 PGC 41601
NGC 4510		Glxy E	14	UGC 7679 MCG 11-15-58 CGCG 315-41 PGC 41489
NGC 4481		Glxy	15	MCG 11-15-57 CGCG 315-40 PGC 41222
NGC 4441	H848-2	Glxy SAB0+ pec	13.4	UGC 7572 MCG 11-15-56 CGCG 315-39 IRAS 12250+6504 PGC 40836
NGC 4391	H852-3	Glxy SA0-:	13.7	UGC 7511 MCG 11-15-53 CGCG 315-37 7ZW454 PGC 40500
NGC 4386	H277-1	Glxy SAB0^:	12.7	UGC 7491 MCG 13-9-27 CGCG 352-33 PGC 40378
NGC 4363	H938-3	Glxy SAB:	14.3	CGCG 352-32 PGC 40233
NGC 4332	H847-2	Glxy SB(s)a	13.1	UGC 7453 MCG 11-15-48 CGCG 315-33 IRAS 12204+6607 PGC 40133
NGC 4693	H906-3	Glxy Sd	14	UGC 7962 MCG 12-12-18 CGCG 335-23 IRAS 12452+7126 PGC 43141
NGC 4648	H274-1	Glxy E3	13	UGC 7868 MCG 13-9-29 CGCG 352-39 KAZ31 PGC 42595
NGC 4589	H273-1	Glxy E2	11.7	UGC 7797 MCG 12-12-13 CGCG 352-38 CGCG 335-17 PGC 42139
NGC 4572	H939-3	Glxy S	14.9	UGC 7775 MCG 12-12-12 CGCG 352-37 PGC 41991
NGC 4545	H850-2	Glxy SB(s)cd:	13	UGC 7747 MCG 11-15-64 CGCG 315-47 IRAS 12323+6348 PGC 41838
NGC 4521	H849-2	Glxy S0/a	13.2	UGC 7706 MCG 11-15-61 CGCG 315-46 PGC 41621
NGC 4331	H942-3	Glxy Im?	14.6	UGC 7449 MCG 13-9-26 CGCG 352-31 7ZW451 PGC 40085
NGC 4319	H276-1	Glxy SB(r)ab	12.8	UGC 7429 MCG 13-9-25 CGCG 352-29 IRAS 12195+7535 PGC 39981
NGC 4291	H275-1	Glxy E	12.4	UGC 7397 MCG 13-9-24 CGCG 352-28 PGC 39791
NGC 4256	H846-2	Glxy SA(s)b: sp	12.7	UGC 7351 MCG 11-15-45 CGCG 315-32 IRAS 12163+6610 PGC 39568
NGC 4250	H264-1	Glxy SAB(r)0+	12.8	UGC 7329 MCG 12-12-5 CGCG 335-9 7ZW447 IRAS 12150+7105 PGC 39414
NGC 4238	H851-3	Glxy Sd	14.2	UGC 7308 MCG 11-15-41 CGCG 315-31 IRAS 12145+6341 PGC 39366
NGC 4236	H51-5	Glxy SB(s)dm	10.1	UGC 7306 MCG 12-12-4 CGCG 335-8 IRAS 12140+6947 KARA523 PGC 39346
NGC 4221		Glxy (R)SB(r)0+	13.3	UGC 7288 MCG 11-15-40 CGCG 315-29 PGC 39266
NGC 4210	H850-3	Glxy SB(r)b	13.3	UGC 7264 MCG 11-15-39 CGCG 315-28 IRAS 12128+6615 PGC 39184
NGC 4205		Glxy S?	13.9	UGC 7258 MCG 11-15-38 CGCG 315-27 IRAS 12125+6403 PGC 39143
NGC 3682	H262-1	Glxy SA(s)0/a:?	13.3	UGC 6459 MCG 11-14-27 CGCG 314-29 IRAS 11247+6651 KARA481 PGC 35266
NGC 3562	H337-2	Glxy E	13.2	UGC 6242 MCG 12-11-11 CGCG 334-13 PGC 34134
NGC 3523	H904-2	Glxy Sbc	13.6	UGC 6105 MCG 13-8-53 CGCG 351-54 IRAS 10594+7523 PGC 33367
NGC 3500	H968-3	Glxy Sb	14.4	NGC 3465 PGC 33099 UGC 6056 MCG 13-8-48 CGCG 351-50 IRAS 10557+7527
NGC 3403	H335-2	Glxy SAbc:	13	UGC 5997 MCG 12-10-89 CGCG 333-62 CGCG 334-4 IRAS 10502+7357 KARA449 PGC 32719
NGC 3397	H284-1	Glxy (R)SA(r)b:	10	NGC 3229 PGC 32059 UGC 5837 MCG 13-8-33 CGCG 351-34 IRAS 10405+7704
NGC 3057	H978-3	Glxy SB(s)dm	13.5	UGC 5404 MCG 14-5-10 DDO67 CGCG 364-15 IRAS 9596+8032 PGC 29296

## Draco - The Dragon

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 2963	H315-3	Glxy SBab	14.3	UGC 5222 MCG 12-10-3 MK 122 CGCG 332-65 CGCG 333-3 IRAS 9431+7311 PGC 28155
NGC 2957A		Glxy E1:	15.4	NGC 2957 PGC 28113 MCG 12-10-1
IC 4649		Glxy Sa-b	15.7	IC 1252 UGC 10788 MCG 10-24-120 CGCG 299-68 CGCG 300-1 PGC 59962
IC 4669		Glxy SB(s)b	14.9	UGC 10992 CGCG 300-69 IRAS 17466+6127 PGC 60856
MAC 1742+6732		Glxy	16.1	
MAC 1715+5732		Glxy	16.5	
MAC 1715+5731		Glxy	16	
MAC 1715+5730		Glxy	16	
MAC 1715+5718		Glxy	16	
MAC 1649+5329A		Glxy	16.5	
MAC 1649+5322A		Glxy	16	ARP 330
MAC 1431+5800		Glxy	16.5	
MAC 1431+5748		Glxy	16	
MAC 1849+7319		Glxy	16	
MAC 1744+6736		Glxy	16.5	
MAC 1744+6735		Glxy	16.1	
MAC 1742+6736		Glxy	16.5	
MAC 1742+6735		Glxy	16.1	
MAC 1237+7417		Glxy	15.5	
MAC 1236+7415		Glxy	16	
MAC 1223+7518		Glxy	16	
MAC 1221+7531		Glxy	16.1	
MAC 1136+7033		Glxy	16	
MAC 1131+7054		Glxy	15.5	
MAC 1112+7257		Glxy	16	
MAC 1028+7953		Glxy	16	
IC 4708		Glxy C	15.4	CGCG 301-24 PGC 61605
IC 4763		Glxy S?	14.2	UGC 11290 MCG 11-22-57 CGCG 323-2 CGCG 322-47 ARAK541 VV 672 KAZ209 PGC 62035
IC 4677		PI Neb Envel. of N6543	15.7	MCG 11-22-17 VV 121 PGC 61193
NGC 6687		Glxy SAd	14.6	UGC 11309 MCG 10-26-46 CGCG 301-34 PGC 62144
NGC 6689		Glxy Sd? sp	13.1	NGC 6690 PGC 62077 UGC 11300 MCG 12-17-26 CGCG 340-50 IRAS 18354+7028 KAZ210 KARA855
NGC 6691		Glxy SB(rs)bc	13.6	UGC 11318 MCG 9-30-31 CGCG 279-22 IRAS 18382+5535 PGC 62202
NGC 6742	H742-3	PI Neb 2c	15	ABELL 50 PK 78+18.1 PNG 78.5+18.7
PGC 38805		Glxy SBdm:	14.5	UGC 7189 MCG 13-9-16 CGCG 352-23
PGC 38504		Glxy	14.7	UGC A272 MK 197 CGCG 315-17 IRAS 12053+6739 ANON 1205+67
PGC 35767		Glxy S?	14.4	UGC 6552 MCG 12-11-34 CGCG 334-40
PGC 35576		Glxy S?	17.4	UGC 6514 MCG 12-11-28E MCG 12-11-28 CGCG 334-35 7ZW407 VV 172 ARP 329 Hickson 55E
PGC 35575		Glxy SA0 pec:	15.9	UGC 6514 MCG 12-11-28A MCG 12-11-28 CGCG 334-35 7ZW407 VV 172 ARP 329 Hickson 55A
PGC 35574		Glxy S0 pec:	17.1	UGC 6514 MCG 12-11-28D MCG 12-11-28 CGCG 334-35 7ZW407 VV 172 ARP 329 Hickson 55D
PGC 35573		Glxy SBa pec:	16.9	UGC 6514 MCG 12-11-28C MCG 12-11-28 CGCG 334-35 7ZW407 VV 172 ARP 329 Hickson 55C
PGC 35572		Glxy Chain	16.4	UGC 6514 MCG 12-11-28B MCG 12-11-28 CGCG 334-35 7ZW407 VV 172 ARP 329 Hickson 55B
PGC 34207		Glxy	15.8	CGCG 334-15

## Draco - The Dragon

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 56067		Glxy S?	14.9	MCG 11-19-16 CGCG 319-24 Hickson 78B
PGC 56063		Glxy E	15.1	MCG 12-15-18 CGCG 338-20 VV 291 ARP 109 KAZ38
PGC 56057		Glxy S?	15	UGC 10053 MCG 12-15-17 MK 1099 CGCG 338-19 7ZW623 VV 291 ARP 109 IRAS 15477+6937
PGC 55561		Glxy SBab	15.1	UGC 9934 MCG 10-22-23 CGCG 297-20
PGC 54376		Glxy SBR	15	MCG 9-25-37 KUG 1512+557
PGC 53057		Glxy Dwarf Spiral	16.5	UGC 9570 MCG 10-21-35
PGC 51922		Glxy S		MCG 10-21-6
PGC 43346		Glxy S	15.5	CGCG 335-24
PGC 41616		Glxy S	15.4	MCG 11-15-62
PGC 57421		Glxy	15.5	CGCG 275-28
PGC 57416		Glxy	15	MCG 10-23-35
PGC 57404		Glxy S0-:	15.2	UGC 10261 MCG 9-26-61 CGCG 275-27
PGC 57384		Glxy S	16.6	MCG 10-23-30 CGCG 298-13
PGC 57383		Glxy S	16.8	MCG 10-23-29 CGCG 298-13
PGC 57129		Glxy SB(s)c pec	14.4	The Tadpole UGC 10214 MCG 9-26-56 CGCG 275-23 VV 29 ARP 188 ANON 1605+55
PGC 57109		Glxy S R	15.5	MCG 9-26-53 CGCG 275-22
PGC 57108		Glxy C	15.3	MCG 9-26-54 CGCG 275-21
PGC 56590		Glxy S?	16.4	Hickson 80B
PGC 63655		Glxy SBd	15.1	UGC 11475 MCG 10-28-9 CGCG 303-8
PGC 63286		Glxy Scd:	15	UGC 11455 MCG 12-18-3 CGCG 341-28 IRAS 19305+7200
PGC 63166		Glxy Scd:	14.9	UGC 11435 MCG 9-32-1 CGCG 280-25 CGCG 281-2
PGC 62755		Glxy S	15.8	MCG 8-35-1 CGCG 256-4
PGC 62484		Glxy S	17.4	Hickson 85D
PGC 62478		Glxy E	17.5	Hickson 85C
PGC 62477		Glxy E?	15.9	Hickson 85B
PGC 62476		Glxy E?	15.4	CGCG 341-10 7ZW846 KAZ215 Hickson 85A
PGC 62055		Glxy S		MCG 8-34-5
PGC 60945		Glxy SB	15.2	UGC 11007 MCG 10-25-102
PGC 60838		Glxy SBab:	14.9	UGC 10984 MCG 9-29-30 CGCG 278-26
PGC 60822		Glxy Compact	15	UGC 10980 MCG 10-25-86 CGCG 300-64
PGC 60812		Glxy	15.4	MCG 9-29-28
PGC 60804		Glxy L	14.2	MCG 9-29-27
PGC 60794		Glxy Sa	15	UGC 10971 MCG 9-29-25 CGCG 278-23 IRAS 17439+5522
PGC 60781		Glxy S	15.2	MCG 9-29-23 CGCG 278-21
PGC 60721		Glxy	15.6	CGCG 321-32 CGCG 322-2 KAZ155
PGC 60553		Glxy E-S0	15.9	MCG 11-21-14 CGCG 321-25
PGC 60529		Glxy E/S0	15.5	MCG 11-21-11 CGCG 321-23
PGC 60402		Glxy (R')SB(r)b	14.3	UGC 10888 MCG 10-25-53 CGCG 300-44 IRAS 17293+6023 KAZ142
PGC 60374		Glxy I	15.4	MCG 10-25-51 CGCG 300-42
PGC 60359		Glxy S	15.4	MCG 10-25-46 CGCG 300-38
PGC 60339		Glxy C	15.2	MCG 10-25-45 CGCG 300-36
PGC 60332		Glxy	15.8	KAZ140 ARP 311
PGC 60325		Glxy S?	14	UGC 10869 MCG 10-25-37 CGCG 300-30 VV 101 ARP 310
PGC 60316		Glxy S	15.4	UGC 10870 MCG 10-25-39 CGCG 300-31 KAZ139

# Draco - The Dragon

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 60186		Glxy S		MCG 12-16-32B CGCG 339-39
PGC 60138		Glxy	14.5	KAZ130
PGC 60040		Glxy C	15.6	MCG 10-25-3 CGCG 300-7 ARP 124
PGC 59944		Glxy C	16.5	7ZW700
PGC 59943		Glxy C	16	MCG 10-24-117 CGCG 299-67 7ZW700
PGC 59929		Glxy C	17.1	MCG 10-24-112 CGCG 299-63
PGC 59864		Glxy SBm? pec	16.2	ANON 1712+59B ARP 32
PGC 59862		Glxy Im pec	14.4	UGC 10770 MCG 10-24-107 CGCG 299-61 VV 89 ARP 32 ANON 1712+59A
PGC 59436		Glxy Sc	15.4	MCG 10-24-87 CGCG 299-44
PGC 59359		Glxy C	15.8	CGCG 321-10 CGCG 320-57
PGC 59348		Glxy E	14.8	UGC 10646 MCG 10-24-82 CGCG 299-38
PGC 59287		Glxy S	15.5	MCG 9-28-11
PGC 59168		Glxy	14	MCG 9-28-2
PGC 59159		Glxy Sab	14.9	UGC 10593 MCG 9-28-1 CGCG 276-53 CGCG 277-10 IRAS 16513+5559
PGC 59093		Glxy Pec	15.1	UGC 10589 MCG 9-27-102 CGCG 277-8 CGCG 276-51
PGC 59054		Glxy E0:	15.1	MCG 9-27-95 ARP 330 ANON 1648+53E
PGC 59050		Glxy SB(s)bc: pec	16.4	MCG 9-27-92 ARP 330 ANON 1648+53B
PGC 59049		Glxy E1:	15.6	MCG 9-27-94 CGCG 276-45 CGCG 277-2 1ZW167 ARP 330 ANON 1648+53C
PGC 59048		Glxy E2 pec:		MCG 9-27-96 ARP 330 ANON 1648+53D
PGC 59042		Glxy E2 pec:	14.8	MCG 9-27-91 ARP 330 ANON 1648+53A
PGC 58960		Glxy Sb	15.1	UGC 10561 MCG 10-24-55 CGCG 299-30 ANON 1646+62
PGC 58945		Glxy S	14.2	MCG 10-24-53
PGC 58938		Glxy C	14.8	MCG 10-24-52 CGCG 299-27
PGC 58866		Glxy Sb	14.6	UGC 10536 MCG 10-24-46 CGCG 299-23
PGC 58846		Glxy S	15.5	MCG 10-24-42 IRAS 16428+6204
PGC 58802		Glxy S	15.6	MCG 10-24-34 CGCG 299-19
PGC 58799		Glxy Sc	15.4	UGC 10522 MCG 10-24-36 CGCG 299-20 IRAS 16414+6155
PGC 58783		Glxy S	15.8	MCG 10-24-32 CGCG 299-18
PGC 58331		Glxy S	15.8	MCG 9-27-47 CGCG 276-23
PGC 58150		Glxy Sbc	14.6	UGC 10396 MCG 9-27-40 CGCG 276-19 VV 472 ARP 66 IRAS 16256+5139
PGC 57907		Glxy S	15.9	MCG 9-27-21 IRAS 16203+5607
PGC 57722		Glxy IBm	14.6	UGC 10334 DDO205 CGCG 320-23 ANON 1616+63
PGC 57677		Glxy S	15.5	UGC 10318 CGCG 320-18 IRAS 16158+6414
PGC 57569		Glxy Sbc	15.5	MCG 11-20-6 CGCG 320-13 7ZW638
PGC 57451		Glxy S0/a	15.4	UGC 10284 MCG 10-23-40 CGCG 298-18
PGC 57429		Glxy L	14.5	MCG 10-23-36
PGC 56588		Glxy S?	15.5	CGCG 319-38 Hickson 80A
PGC 56577		Glxy S	16.8	Hickson 80D
PGC 56572		Glxy S?	16.1	Hickson 80C
PGC 56095		Glxy S	18.1	Hickson 78C
PGC 56091		Glxy	15.3	MCG 12-15-20 IRAS 15485+6935 KAZ39
PGC 56090		Glxy SB	15.1	MCG 11-19-18 CGCG 319-26
PGC 56086		Glxy S	16.6	Hickson 78D
PGC 56079		Glxy (R')SB(s)bc	14.9	UGC 10057 MCG 11-19-17 CGCG 319-25 IRAS 15480+6822 Hickson 78A
PGC 41549		Glxy	15.7	CGCG 315-44 7ZW467 ANON 1229+66A

## Draco - The Dragon

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 41524		Glxy	15.8	CGCG 315-43 7ZW466 ANON 1229+66B
PGC 40125		Glxy	16.2	KAZ387
PGC 40048		Glxy C	15.1	CGCG 352-30
PGC 39975		Glxy		MK 205
PGC 39763		Glxy Sb	15.4	MCG 13-9-23 CGCG 352-27
PGC 39359		Glxy	15.6	MCG 11-15-42 CGCG 315-30
PGC 39058		Glxy Sc	14.6	UGC 7242 MCG 11-15-37 CGCG 315-26
PGC 34129		Glxy S R	14.5	MCG 12-11-12
PGC 33277		Glxy Sab	14.4	UGC 6090 MCG 13-8-52 CGCG 351-52 IRAS 10582+7528
PGC 32561		Glxy Pec	14.9	UGC 5939 MCG 13-8-46 CGCG 351-46 IRAS 10474+7711
PGC 32538		Glxy Sbc	14.3	MCG 13-8-43 CGCG 351-44
PGC 32500		Glxy S	14.3	UGC 5926 MCG 13-8-42 CGCG 351-43
NGC 6911		Glxy SBb:	15.1	UGC 11540 MCG 11-24-6 CGCG 324-7 CGCG 325-1 IRAS 20191+6634 PGC 64485
NGC 6831		Glxy S0	14.3	UGC 11483 MCG 10-28-11 CGCG 303-11 PGC 63674
NGC 6796		Glxy Sbc: sp	13.5	UGC 11432 MCG 10-27-10 CGCG 302-11 IRAS 19208+6102 PGC 63121
NGC 6789		Glxy Im	13.8	UGC 11425 MCG 11-23-1 CGCG 323-11 PGC 63000
NGC 6787		Glxy SAB(s)b	14.7	UGC 11424 MCG 10-27-9 CGCG 302-9 IRAS 19154+6019 PGC 62987
NGC 6786		Glxy SB?	13.8	UGC 11414 CGCG 341-19 VV 414 PGC 62864
NGC 6763		Glxy S0/a	14.4	NGC 6762 PGC 62757 UGC 11405 CGCG 323-9
NGC 6759		Glxy S	15.1	MCG 8-35-2 CGCG 256-6 PGC 62779
NGC 6757		Glxy SB(r)0/a	13.9	UGC 11401 MCG 9-31-19 CGCG 280-13 PGC 62752
NGC 6750		Glxy Sc	13.8	UGC 11389 MCG 10-27-6 CGCG 302-8 IRAS 18598+5905 KAZ282 PGC 62671
NGC 6747		Glxy	15	CGCG 341-12 PGC 62564
PGC 32354		Glxy I R	15	MCG 13-8-41 CGCG 351-41
PGC 32263		Glxy S	15.3	UGC 5877 MCG 13-8-38 CGCG 351-40 IRAS 10438+7706
PGC 32081		Glxy SAB(s)c	14.8	UGC 5841 MCG 13-8-34 CGCG 351-36 IRAS 10408+7656
PGC 31916		Glxy Pec	14.8	UGC 5814 MCG 13-8-31 CGCG 351-32 7ZW341 ARP 156 IRAS 10383+7745
PGC 28177		Glxy S	16.7	MCG 12-10-4
PGC 28098		Glxy Sd	15	UGC 5203 MCG 13-7-37
PGC 27729		Glxy	15.6	CGCG 350-28
PGC 27056		Glxy	15.6	CGCG 350-26
PGC 27026		Glxy S?	15.4	UGC 5050 MCG 13-7-30 CGCG 350-25 VV 58 ARP 207 IRAS 9258+7640
NGC 6869		Glxy S0	13.1	UGC 11506 MCG 11-24-4 CGCG 324-6 PGC 63972
NGC 6829		Glxy Sb	14.9	UGC 11478 MCG 10-28-10 CGCG 303-9 7ZW915 PGC 63667
NGC 6825		Glxy C	15.3	CGCG 324-1 7ZW906 PGC 63535
NGC 6817		Glxy Sbc	15.6	MCG 10-28-5 CGCG 303-4 PGC 63431
NGC 6701		Glxy (R')SB(s)a	13	UGC 11348 MCG 10-26-50 CGCG 301-36 CGCG 302-2 IRAS 18425+6036 PGC 62314
NGC 6732		Glxy E?	14.3	UGC 11381 MCG 9-31-11 CGCG 280-11 PGC 62586
NGC 6711		Glxy SBbc:	13.7	UGC 11361 MCG 8-34-25 CGCG 255-17 IRAS 18476+4735 KAZ496 KARA862 PGC 62456
NGC 6696		Glxy S	16	MCG 10-26-47 PGC 62215

**Sub Total: 447****Total: 510**

## Equuleus - The Little Horse

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 7045		Non-Existent		
IC 5098		Non-Existent		(STAR)
IC 5097		Non-Existent		(STAR)

**Sub Total: 3**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 1360		Glxy	15.6	CGCG 401-3 PGC 66266
IC 1365		Glxy E+	14.6	MCG 0-54-7 CGCG 375-15 2ZW108 VV 508 PGC 66381
IC 1367		Glxy	15.3	CGCG 375-19 PGC 66390
IC 1375		Glxy	15.1	CGCG 401-15 PGC 66603
IC 1379		Glxy	15.7	CGCG 375-34 PGC 66741
IC 1377		Glxy Sb	14.9	MCG 1-54-9 CGCG 401-21 IRAS 21229+405 KARA915 PGC 66722
IC 1364		Glxy C	14.7	MCG 0-54-6 CGCG 375-13 2ZW107 PGC 66367
IC 1361		Glxy S?	15.1	UGC 11692 MCG 1-54-2 CGCG 401-5 IRAS 21089+450 PGC 66297
NGC 7015		Glxy Sbc	13.3	UGC 11674 MCG 2-53-12 CGCG 425-40 IRAS 21032+1112 PGC 66076
NGC 7046	H858-3	Glxy SB(rs)cd	13.8	UGC 11708 MCG 0-54-9 CGCG 375-20 IRAS 21123+237 PGC 66407
PGC 65808		Glxy Pec	16.5	UGC 11654
NGC 7040		Glxy S?	14.9	UGC 11701 MCG 1-54-4 CGCG 401-8 IRAS 21108+839 PGC 66366
PGC 65831		Glxy SBbc	15.6	MCG 2-53-10 CGCG 425-28
PGC 65866		Glxy S?	14.8	UGC 11659 MCG 1-53-9 CGCG 400-16
PGC 65871		Glxy E	16.6	CGCG 400-17
PGC 65896		Glxy S	15.7	CGCG 425-33 KARA895
PGC 66604		Glxy Sc-Irr	15.1	UGC 11725 MCG 1-54-7 CGCG 401-16 IRAS 21185+857
PGC 66597		Glxy	15	CGCG 375-30
PGC 66584		Glxy C	14.8	MK 514 2ZW123
PGC 66581		Glxy S	15.6	CGCG 426-41 KARA907
PGC 66571		Glxy	15.7	CGCG 426-40
PGC 66552		Glxy SB(rs)cd	14.5	UGC 11720 MCG 1-54-6 CGCG 401-14
PGC 66547		Glxy S?	15.4	MCG 1-54-5 CGCG 401-13 IRAS 21164+538
PGC 66536		Glxy	15.7	CGCG 426-37
PGC 66465		Glxy Sbc	15.1	MCG 2-54-16 CGCG 426-30
PGC 66745		Glxy	15.6	CGCG 401-22
PGC 66744		Glxy C	15.6	MCG 1-54-10 CGCG 401-23
PGC 66711		Glxy	15.4	CGCG 426-51
PGC 66710		Glxy C	15.3	CGCG 401-20
PGC 66709		Glxy Sb	15.6	MCG 2-54-24 CGCG 426-52
PGC 66692		Glxy	15.7	CGCG 426-50
PGC 66675		Glxy S	15.4	CGCG 426-49 KARA912
PGC 66666		Glxy	15.7	CGCG 401-19
PGC 66663		Glxy	15.8	MCG 1-54-8
PGC 66659		Glxy Chain	15.4	UGC 11736 MCG 0-54-15
PGC 66645		Glxy	15.6	CGCG 426-45
PGC 66642		Glxy C	15.5	CGCG 401-18

## Equuleus - The Little Horse

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 66640		Glxy SB?b	16	UGC 11733
PGC 66638		Glxy	15.4	2ZW127
PGC 66634		Glxy C	15.1	MCG 2-54-21 CGCG 426-44
PGC 66624		Glxy S	15.5	CGCG 426-43 KARA909
PGC 66460		Glxy L	15.5	CGCG 426-29 KARA903
PGC 66443		Glxy S	15.5	CGCG 401-12 KARA902
PGC 66426		Glxy C	15.6	CGCG 401-11
PGC 66416		Glxy C	15.6	CGCG 401-10 2ZW112
PGC 66410		Glxy C	15	CGCG 426-27 2ZW114
PGC 66404		Glxy C	15.4	CGCG 426-26 2ZW110 IRAS 21123+1039 KARA901
PGC 66395		Glxy Sdm:	16.5	UGC 11705
PGC 66150		Glxy Compact; HII	14.5	MK 897 2ZW102 IRAS 21052+340
PGC 66146		Glxy Scd:	14.2	UGC 11680 CGCG 401-1 2ZW101 ANON 2105+3
PGC 66143		Glxy	15.4	CGCG 425-42 CGCG 426-1
PGC 66130		Glxy C	15.7	CGCG 425-41
PGC 66124		Glxy C	15.6	CGCG 400-29
PGC 66085		Glxy Sa	15	UGC 11675 MCG 1-53-12 CGCG 400-28
PGC 66079		Glxy S	15.1	MCG 1-53-11 CGCG 400-26 ARAK544
PGC 66077		Glxy C	15.2	CGCG 400-27
PGC 66066		Glxy	15.7	CGCG 400-24
PGC 66300		Glxy	15.7	CGCG 426-11
PGC 66289		Glxy	15.7	CGCG 426-10
PGC 66287		Glxy	17.6	2ZW105
PGC 66282		Glxy	15.3	CGCG 375-5
PGC 66280		Glxy Sb	15.4	UGC 11688 MCG 1-54-1 CGCG 401-4 IRAS 21086+411
PGC 66243		Glxy	15.6	CGCG 426-8
PGC 66218		Glxy	15.7	CGCG 426-5
PGC 66201		Glxy	16.7	CGCG 401-2
PGC 66164		Glxy	15.2	CGCG 426-3
PGC 66379		Glxy	15.7	CGCG 401-9
PGC 66365		Glxy	15.4	CGCG 401-7
PGC 66355		Glxy S0?	15	MCG 1-54-3 CGCG 401-6
PGC 66343		Glxy SBb	14.7	UGC 11700 MCG 2-54-11 CGCG 426-20 IRAS 21100+1112
PGC 66328		Glxy SB	15	UGC 11697 MCG 2-54-7 MK 898 CGCG 426-16 IRAS 21097+1127
PGC 66325		Glxy Sc-Irr	17.7	UGC 11696
PGC 66324		Glxy S	15.1	MCG 2-54-5 CGCG 426-15
PGC 66313		Glxy S	14.7	UGC 11694 MCG 2-54-4 CGCG 426-14
PGC 66304		Glxy C	15.6	CGCG 426-12
PGC 66065		Glxy	15.7	CGCG 400-25
PGC 66035		Glxy Double System	14.2	UGC 11671 CGCG 400-23
PGC 66029		Glxy S	15.4	MCG 1-53-10 CGCG 400-22
PGC 65961		Glxy	15.5	CGCG 400-21
PGC 65948		Glxy	15.4	CGCG 425-34
PGC 65947		Glxy S	15.6	UGC 11665
PGC 65932		Glxy	15.7	CGCG 400-20

## Equuleus - The Little Horse

Observed: Yes

<b>Object</b>	<b>Her</b>	<b>Type</b>	<b>Mag</b>	<b>Alias/Notes</b>
PGC 65910		Glxy	15.7	CGCG 400-19
PGC 65874		Glxy	15.6	CGCG 400-18
PGC 65868		Glxy	15.5	CGCG 425-31
PGC 65834		Glxy Sc	15.7	UGC 11656 CGCG 425-29
IC 5083		Glxy	15.5	CGCG 425-38 PGC 66011
MAC 2122+0330		Glxy	16.5	

**Sub Total: 88****Total: 91**

## Eridanus - The River

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 685		Glxy SAB(r)c	11.5	ESO 152-24 IRAS 1458-5300 PGC 6581
NGC 1081		Glxy SB(s)b?	13.5	MCG -3-8-10 IRAS 2427-1547 PGC 10411
NGC 979		Glxy (R)SB(r)0 <sup>^</sup>	13.8	ESO 246-23 MCG -7-6-14 PGC 9614
IC 1812		Glxy E+:	13.2	ESO 246-19 MCG -7-6-8 PGC 9486
IC 1810		Glxy (R)SAB(rs)ab	14.2	ESO 246-18 MCG -7-6-9 PGC 9477
NGC 954		Glxy SB(rs)c:	13.5	ESO 299-4 MCG -7-6-6 IRAS 2268-4137 PGC 9438
NGC 939		Glxy E+:	14	ESO 246-11 MCG -7-6-4 PGC 9271
NGC 852		Glxy SB(rs)bc:	14.1	ESO 153-26 PGC 8195
NGC 795		Glxy S0-:	14.2	ESO 153-8 PGC 7552
NGC 782		Glxy SB(r)b	12.5	ESO 114-15 IRAS 1559-5801 PGC 7379
IC 261		Non-Existent		NGC 1120 MCG -3-8-28 PGC 10664
NGC 1108		Glxy E/S0	15.9	PGC 10633
NGC 1119		Glxy (R')SB0 <sup>^</sup> ?	14.8	ESO 546-24 IRAS 2459-1811 PGC 10607
NGC 1103		Glxy SB(s)b:	13.6	MCG -2-8-5 PGC 10597
IC 1853		Glxy SB(rs)b?	14.2	MCG -2-8-6 IRAS 2457-1410 PGC 10595
NGC 1102		Glxy SAB(rl?)ab?	15.3	ESO 546-19 MCG -4-7-40 PGC 10545
NGC 1089		Glxy E	14.5	MCG -3-8-20 PGC 10481
NGC 1082		Glxy S0	15.5	MCG -1-8-4 PGC 10447
NGC 1083		Glxy Sb pec sp	14.6	MCG -3-8-15 IRAS 2433-1534 PGC 10445
NGC 1355		Glxy S0: sp	14.3	MCG -1-10-2 PGC 13169
NGC 1354	H487-3	Glxy SAB(rs)0/a:	14.5	MCG -3-10-4 IRAS 3301-1523 PGC 13130
NGC 1352		Glxy SB(s)0 <sup>^</sup> :	14.3	ESO 548-30 MCG -3-10-2 PGC 13091
IC 328		Glxy Sc	14.5	MCG -3-9-51 IRAS 3288-1448 PGC 13063
IC 327		Glxy Sc	16.1	MCG -3-9-50 PGC 13057
IC 325		Glxy		
IC 326		Glxy SA0-?	15.5	MCG -3-9-49 PGC 13030
NGC 1345		Glxy SB(s)c pec:	14.3	ESO 548-26 MCG -3-9-46 UGC A74 VV 690 IRAS 3272-1756 PGC 12979
NGC 1338		Glxy (R')SAB(rs)b p	13.5	MCG -2-9-44 IRAS 3265-1219 PGC 12956
IC 1928		Glxy Sab? sp	14.1	ESO 548-20 MCG -4-9-13 PGC 12884
NGC 1331	H959-3	Glxy E2:	14.3	IC 324 PGC 12846 ESO 548-19 MCG -4-9-12
IC 324		Non-Existent		ESO 548-19 MCG -4-9-12 PGC 12846
NGC 1329		Glxy SA(rs)a?	13.5	ESO 548-15 MCG -3-9-42 PGC 12826
NGC 1328		Glxy S0	15.2	PGC 12805
NGC 1324	H445-3	Glxy Sb:	14.2	MCG -1-9-38 IRAS 3225-555 PGC 12772
NGC 1323		Glxy S0	15.8	PGC 12764
NGC 1322		Glxy E/S0	14.3	MCG -1-9-37 PGC 12761
NGC 1320	H197-3	Glxy Sa: sp	13.3	MCG -1-9-36 MK 607 IRAS 3222-313 KUG 322-32 PGC 12756
NGC 1321	H196-3	Glxy Sa	14.5	MCG -1-9-35 MK 608 KUG 322-31 PGC 12755
NGC 1325A		Glxy SAB(rs)d:	13.3	HolmbergVIESO 548-10 MCG -4-9-6 PGC 12754
IC 321		Glxy S	16.1	MCG -3-9-35 PGC 12742
NGC 1319		Glxy S0 pec sp	13.9	ESO 548-6 MCG -4-9-3 PGC 12708
NGC 1315		Glxy SB(rs)0+?	13.4	ESO 548-3 MCG -4-9-2 PGC 12671
NGC 1314		Glxy SA(rs)d	15.5	MCG -1-9-33 PGC 12650
NGC 1308	H568-3	Glxy SB(r)0/a	14.7	MCG -1-9-32 PGC 12643
NGC 1305		Glxy (R')S0- pec:	14.3	UGC 2697 MCG 0-9-69 CGCG 390-72 PGC 12582

## Eridanus - The River

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 1307		Non-Existent		NGC 1304 PGC 12575 MCG -1-9-30
NGC 1304	H444-3	Glxy E-S0	13.5	
IC 318		Glxy Sb	14.5	MCG -3-9-23 IRAS 3183-1444 PGC 12532
NGC 1303		Glxy S0	14.7	MCG -1-9-29 PGC 12527
NGC 1301		Glxy SB(rs)b?	14.1	ESO 547-32 MCG -3-9-22 IRAS 3183-1853 PGC 12521
NGC 1298		Glxy E+ pec:	15	UGC 2683 MCG 0-9-62 CGCG 390-63 PGC 12473
NGC 1299	H287-2	Glxy SB(rs)b?	14.4	MCG -1-9-28 IRAS 3176-626 KUG 317-64 PGC 12466
NGC 1295		Glxy S0	14.8	MCG -2-9-30 IRAS 3177-1410 PGC 12465
NGC 1290		Glxy E2?	16.4	PGC 12395
IC 317		Glxy SBc	14.5	MCG -2-9-26 IRAS 3165-1255 PGC 12346
NGC 1296		Glxy SB(rs)ab pec	14.3	MCG -2-9-25 IRAS 3164-1314 PGC 12341
NGC 1289		Glxy SB(rs)0^:	13.5	IC 314 PGC 12342 UGC 2666 MCG 0-9-54 CGCG 390-55
IC 314		Non-Existent		UGC 2666 MCG 0-9-54 CGCG 390-55 PGC 12342
NGC 1287	H195-3	Glxy Sa	15.2	KUG 316-29 PGC 12310
IC 1910		Non-Existent		
NGC 1285		Glxy (R')SB(r)b pec	14.2	MCG -1-9-26 IRAS 3154-728 PGC 12259
NGC 1286		Glxy S0	14.6	MCG -1-9-25 PGC 12250
NGC 1284	H956-3	Glxy SA0^:	12.9	MCG -2-9-22 PGC 12247
NGC 1291		Non-Existent		NGC 1269 PGC 12209 ESO 301-2 MCG -7-7-8 IRAS 3154-4117
NGC 1269		Glxy (R)SB(s)0/a	9.4	
NGC 1266	H194-3	Glxy (R')SB(rs)0^ p:	13.5	MCG -1-9-23 IRAS 3134-236 PGC 12131
NGC 1263		Glxy S0/a	15	MCG -3-9-15 PGC 12114
NGC 1262		Glxy SAB(s)c:	15	MCG -3-9-14 IRAS 3132-1604 PGC 12107
NGC 1258		Glxy SAB(s)cd:	13.9	ESO 547-24 MCG -4-8-53 PGC 12034
NGC 1256		Glxy SAB0-?	14.6	ESO 547-23 MCG -4-8-52 PGC 12032
IC 306		Glxy SBc	16.6	MCG -2-9-15 PGC 11985
NGC 1248	H443-3	Glxy SA(s)0^:	13.4	MCG -1-9-16 PGC 11970
IC 303		Glxy		
NGC 1232A		Glxy SB(s)m	15.2	ESO 547-16 ARP 41 PGC 11834
NGC 1243		Non-Existent		
IC 299		Non-Existent		
NGC 1239	H262-3	Glxy SA0^ pec:	15	MCG -1-9-12 PGC 11869
NGC 1238		Glxy E+	13.4	MCG -2-9-10 PGC 11868
IC 1897		Glxy S0/a	15.3	MCG -2-9-9 IRAS 3083-1059 PGC 11866
NGC 1237		Non-Existent		
IC 1898		Glxy SB(s)c: sp	13.6	ESO 481-2 MCG -4-8-36 UGC A56 IRAS 3081-2235 PGC 11851
NGC 1234		Glxy SB(r)cd pec	15	MCG -1-9-11 PGC 11813
NGC 1222		Glxy S0- pec:	13.1	MCG -1-9-5 MK 603 IRAS 3064-308 KUG 306-31 PGC 11774
NGC 1225		Glxy Sbc	15.4	MCG -1-9-4 PGC 11766
NGC 1223		Glxy cD	15	MCG -1-9-3 PGC 11742
NGC 1221		Glxy SB(r)0+? sp	15	MCG -1-9-2 PGC 11739
IC 1886		Glxy E	15.5	MCG -1-9-1 PGC 11724
IC 291		Glxy (R)SB(r)0/a?	14.5	MCG -2-9-1 IRAS 3050-1246 PGC 11699
NGC 1231		Glxy Sc	14.5	MCG -3-8-74 PGC 11658
IC 1880		Glxy SA0- pec:	13.4	MCG -2-8-49 PGC 11656

## Eridanus - The River

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 1206		Glxy E	15.9	PGC 11644
NGC 1203		Glxy E	15.5	MCG -3-8-70 PGC 11603
NGC 1797		Glxy (R')SB(rs)a pec	15.5	MCG -1-14-2 MK 1093 IRAS 5053-805 PGC 16781
NGC 1799		Glxy SB0^ pec?	15.1	MCG -1-14-1 PGC 16783
IC 2118		Non-Existent		
NGC 1757		Non-Existent		
NGC 1752		Glxy SB(r)c:	13.3	MCG -1-13-47 IRAS 4597-818 PGC 16600
NGC 1741A		Glxy Sdm	14.4	
NGC 1741B		Glxy Sm	14.6	
IC 398		Glxy SB(s)c?	15.4	MCG -1-13-40 IRAS 4558-751 PGC 16433
NGC 1699		Glxy SA(rs)b	13.7	MCG -1-13-39 IRAS 4545-449 PGC 16390
NGC 1692		Glxy SA(s)0^:	14	ESO 552-21 MCG -3-13-29 ANON 453-20 PGC 16336
NGC 1694		Glxy Sc	15.7	MCG -1-13-35A PGC 16335
NGC 1686		Glxy Sbc sp	14.5	MCG -3-13-19 PGC 16239
IC 2102		Glxy SB(rs)cd	15.3	MCG -1-13-27 PGC 16197
NGC 1681		Glxy Sb pec:	13.5	MCG -1-13-26 IRAS 4493-553 PGC 16195
IC 2101		Glxy SB(s)c pec?	14.5	MCG -1-13-24 IRAS 4492-618 PGC 16187
IC 2100		Non-Existent		
NGC 1677		Glxy S0^ pec sp	15	IC 2099 PGC 16146 MCG -1-13-19 IRAS 4484-458
IC 2099		Non-Existent		NGC 1677 MCG -1-13-19 IRAS 4484-458 PGC 16146
IC 2097		Glxy IBm: sp	15.4	PGC 16134
IC 2096		Non-Existent		
IC 394		Non-Existent		
IC 2095		Glxy Scd pec sp	15.5	MCG -1-13-14 PGC 16067
NGC 1689		Non-Existent		NGC 1667 PGC 16062 MCG -1-13-13 IRAS 4461-624
NGC 1666		Glxy SB(r)0+	13.6	MCG -1-13-10 PGC 16057
IC 2094		Non-Existent		
NGC 1665	H457-2	Glxy SA(s)0+ pec?	14	MCG -1-13-9 PGC 16044
IC 393		Glxy E/S0		MCG -3-13-12 PGC 16028
IC 2092		Non-Existent		
IC 2091		Non-Existent		
NGC 1657		Glxy SAB(rs)bc	14.6	UGC 3156 MCG 0-13-4 CGCG 394-5 PGC 15958
NGC 1656		Glxy S0+ pec:	13.6	MCG -1-13-5 PGC 15949
NGC 1654		Glxy (R')SB(r)a	14.3	UGC 3154 CGCG 394-3 IRAS 4433-210 PGC 15943
NGC 1653	H526-2	Glxy E+:	12.9	UGC 3153 MCG 0-13-3 CGCG 394-2 PGC 15942
NGC 1650		Glxy E+	12.9	MCG -3-13-1 PGC 15931
NGC 1648		Glxy S0	15.3	MCG -1-13-4 PGC 15920
NGC 1646	H523-2	Glxy E/S0	14	MCG -1-13-3 PGC 15914
NGC 1645		Glxy (R')SB(rs)0+ p	13	MCG -1-13-2 PGC 15903
NGC 1643	H588-3	Glxy SB(r)bc pec?	13.6	MCG -1-13-1 IRAS 4412-524 PGC 15891
IC 390		Glxy SB(s)0+? sp	14.8	MCG -1-12-46 PGC 15844
IC 389		Glxy SA0-:	13.6	MCG -1-12-45 PGC 15840
IC 388		Glxy C	15.2	
IC 387		Glxy SAB(rs)c	13.7	MCG -1-12-44 IRAS 4393-710 PGC 15831
NGC 1639		Non-Existent		

## Eridanus - The River

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 1636	H522-2	Glxy (R')SB(rs)ab:	12.8	MCG -1-12-42 IRAS 4382-842 PGC 15800
NGC 1635	H515-2	Glxy (R)SB(r)0/a	13.3	UGC 3126 MCG 0-12-63 CGCG 393-60 IRAS 4375-38 PGC 15773
NGC 1632		Glxy E	15.2	IC 386 PGC 15769
IC 386		Non-Existent		PGC 15769
IC 385		Glxy SA(rs)0^ pec?	15	PGC 15746
IC 384		Glxy		
NGC 1631		Glxy (R')SAB(r)0/a:	14.3	ESO 551-21 MCG -3-12-17 IRAS 4362-2045 PGC 15705
IC 382		Glxy SAB(rs)c:	13	MCG -2-12-49 IRAS 4355-937 PGC 15691
NGC 1627		Glxy SA(r)c pec	13.7	MCG -1-12-40 IRAS 4351-459 PGC 15675
NGC 1628		Glxy Sb pec sp	15	MCG -1-12-39 IRAS 4351-448 PGC 15674
NGC 1630		Glxy SB0+ pec?	15.1	ESO 551-19 PGC 15659
NGC 1620	H514-2	Glxy SAB(rs)bc	13.1	UGC 3103 MCG 0-12-52 CGCG 393-46 IRAS 4340-14 PGC 15638
NGC 1626		Non-Existent		NGC 1621 PGC 15626 MCG -1-12-35
NGC 1621		Glxy E	13.6	
NGC 1619		Non-Existent		
NGC 1623		Glxy SBaa	15.5	PGC 15591
NGC 1610		Non-Existent		PGC 15543
NGC 1613		Glxy SAB(rs)0+?	14.9	MCG -1-12-31 PGC 15518
NGC 1612		Glxy SB(r)0/a	13.8	MCG -1-12-30 IRAS 4307-416 PGC 15507
NGC 1611	H586-3	Glxy (R')SB(rs)0+ p?	13.8	MCG -1-12-29 IRAS 4306-424 PGC 15501
NGC 1609	H585-3	Glxy (R')S0+ pec:	15	MCG -1-12-25 PGC 15480
IC 2080		Non-Existent		
NGC 1606		Glxy SAB(r)0+:	15.9	MCG -1-12-22 PGC 15443
NGC 1607		Glxy S0/a	15	MCG -1-12-23 IRAS 4295-433 PGC 15442
NGC 1604		Glxy S0	14.5	MCG -1-12-20 PGC 15433
IC 2078		Non-Existent		
IC 379		Glxy SBab	14.1	MCG -1-12-21 PGC 15428
NGC 1603		Glxy E?	13.8	MCG -1-12-19 PGC 15424
IC 380		Glxy Sbc	15.4	MCG -2-12-34 PGC 15398
IC 378		Glxy		
IC 377		Glxy		
IC 376		Glxy S	14.5	MCG -2-12-31 PGC 15366
NGC 1597		Glxy E/S0	14.6	MCG -2-12-32 IRAS 4287-1124 PGC 15374
IC 375		Glxy		
NGC 1594		Glxy SB(rs)bc	13.8	IC 2075 PGC 15348 MCG -1-12-14 IRAS 4284-554
IC 2075		Non-Existent		NGC 1594 MCG -1-12-14 IRAS 4284-554 PGC 15348
IC 373		Glxy (R)SB(rs)0+	13.8	MCG -1-12-13 PGC 15335
NGC 1586		Glxy SB(s)bc	14	UGC 3062 MCG 0-12-36 CGCG 393-27 PGC 15331
IC 371		Non-Existent		
IC 372		Glxy		
NGC 1592		Glxy Pec	14.4	ESO 421-2 MCG -5-11-11 VV 647 PGC 15292
NGC 1591		Glxy SB(r)ab pec	13.7	ESO 484-25 MCG -4-11-15 IRAS 4274-2649 PGC 15276
NGC 1583		Glxy SA0-	13.8	MCG -3-12-10 PGC 15193
NGC 1580		Glxy Sbc	14.5	MCG -1-12-11 IRAS 4258-517 PGC 15189
NGC 1584		Glxy SA(s)0- pec:	14.8	ESO 551-6 PGC 15180

## Eridanus - The River

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 1575		Glxy S	13	PGC 15092
NGC 1576	H587-3	Glxy S0-:	14.3	MCG -1-12-7 PGC 15089
NGC 1568B		Glxy E-S	14.6	UGC 3032 MCG 0-12-27 CGCG 393-16 2ZW10 VV 809 PGC 15042
IC 2064		Non-Existent		
IC 2063		Non-Existent		NGC 1563
IC 2047		Non-Existent		
IC 2045		Glxy E	15	MCG -2-11-27 PGC 14722
IC 2048		Non-Existent		
IC 2040		Glxy S0^: pec	13.6	ESO 359-30 IRAS 4110-3240 PGC 14670
IC 2041		Glxy SAB(s)0^:	14.6	ESO 359-28 PGC 14656
NGC 1525		Glxy		
IC 2036		Glxy (R')SB(s)bc	14.4	ESO 303-1 MCG -7-9-10 PGC 14586
NGC 1516B		Non-Existent		NGC 1525 PGC 14516 MCG -2-11-18
NGC 1524		Non-Existent		
NGC 1519		Glxy SB(r)b?	13.6	ESO 550-9 MCG -3-11-13 IRAS 4058-1719 PGC 14514
NGC 1516	H499-3	Glxy SBbc	11.8	
NGC 1516A		Non-Existent		NGC 1524 PGC 14515 MCG -2-11-17
IC 2031		Non-Existent		
IC 2030		Non-Existent		
NGC 1509		Glxy Sa	14.5	IC 2026 PGC 14393 MCG -2-11-13 MK 1079 IRAS 4015-1118
IC 2026		Glxy Sb	15.5	MCG -2-11-12 PGC 14389
NGC 1505		Glxy S0	15	MCG -2-11-9 PGC 14339
NGC 1504		Glxy E/S0	15.5	MCG -2-11-8 PGC 14336
NGC 1498	H3-7	Non-Existent		
NGC 1492		Glxy Sa?	14.3	ESO 359-12 IRAS 3563-3535 PGC 14186
NGC 1489		Glxy SB(r)b	14.6	ESO 549-42 MCG -3-11-3 PGC 14165
IC 2013		Non-Existent		
NGC 1486		Glxy Sbc: pec	15.2	ESO 549-37 MCG -4-10-8 PGC 14132
NGC 1487		Glxy Pec	12.3	ESO 249-31 MCG -7-9-2 VV 78 IRAS 3540-4230 PGC 14117
IC 2008		Glxy SB(rs)bc?	13.7	IC 2007 ESO 419-11 IRAS 3533-2818 PGC 14110
IC 2007		Non-Existent		IC 2008 ESO 419-11 IRAS 3533-2818 PGC 14110
NGC 1482	H962-3	Glxy SA0+ pec sp	13.1	ESO 549-33 MCG -3-10-54 IRAS 3524-2038 PGC 14084
NGC 1481		Glxy SA0-:	14.4	ESO 549-32 MCG -3-10-53 PGC 14079
IC 2006		Glxy (R)SA0-	12.2	ESO 359-7 MCG -6-9-37 PGC 14077
NGC 1479		Non-Existent		
NGC 1484		Glxy SB(s)b?	13.6	ESO 359-6 MCG -6-9-36 IRAS 3524-3706 PGC 14071
NGC 1475		Non-Existent		
NGC 1474		Glxy	14	IC 2002 PGC 14065
NGC 1468		Glxy S0-	14	MCG -1-10-45 PGC 14004
NGC 1470		Glxy Sab sp	15	MCG -2-10-16 IRAS 3497-908 PGC 14002
NGC 1467		Glxy (R')SA(rs)0+?	14.3	MCG -2-10-15 PGC 13991
NGC 1471		Non-Existent		NGC 1464 PGC 13976
NGC 1464		Glxy S/P	14.6	
IC 352		Glxy		
NGC 1458		Non-Existent		

## Eridanus - The River

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 1460		Glxy SB(rs)0^	13.5	ESO 358-62 MCG -6-9-31 PGC 13805
NGC 1434		Glxy S0/a	15.5	PGC 13804
NGC 1451		Glxy E-S0	13.4	
NGC 1446		Non-Existent		STAR MCG -4-2-7 PGC 13801
NGC 1449		Glxy S0	14.5	MCG -1-10-32 PGC 13798
NGC 1437B		Glxy Sc	13.1	
NGC 1454		Non-Existent		
NGC 1455		Non-Existent		NGC 1452 PGC 13790 ESO 549-14
NGC 1447		Glxy S0	15.2	PGC 13786
NGC 1441	H597-2	Glxy SB(s)b	13.9	MCG -1-10-29 PGC 13782
NGC 1443		Non-Existent		
NGC 1450		Glxy E/S0	15.2	PGC 13775
NGC 1438		Glxy SB(r)0/a:	13.2	ESO 482-41 MCG -4-9-58 PGC 13760
NGC 1442	H594-2	Non-Existent		NGC 1440 PGC 13752 ESO 549-10 MCG -3-10-43
NGC 1445		Glxy E	15.4	PGC 13742
IC 350		Glxy Sab	14.5	MCG -2-10-10 PGC 13731
NGC 1429		Non-Existent		
NGC 1437		Non-Existent		
NGC 1436		Glxy		NGC 1437 PGC 13687 ESO 358-58 MCG -6-9-25 IRAS 3417-3600
NGC 1430		Non-Existent		
NGC 1424		Glxy SAB(rs)b:	14.3	MCG -1-10-26 IRAS 3407-453 PGC 13664
NGC 1437A		Glxy SBd	13.4	
IC 1988		Non-Existent		
NGC 1420		Non-Existent		
NGC 1423		Glxy SBbc	14.8	MCG -1-10-25 PGC 13628
IC 347		Glxy SAB(r)0^:	13.5	MCG -1-10-24 IRAS 3399-427 PGC 13622
NGC 1418	H456-2	Glxy SB(s)b:	14.3	MCG -1-10-22 PGC 13606
IC 346		Non-Existent		ESO 548-78 MCG -3-10-35 PGC 13575
NGC 1422		Glxy SBab pec sp	14	ESO 548-77 MCG -4-9-51 IRAS 3393-2150 PGC 13569
IC 344		Glxy SB	15	MCG -1-10-20 PGC 13568
IC 345		Glxy S0/a	14.6	ESO 548-74 MCG -3-10-32 PGC 13552
NGC 1416		Glxy E1:	13.9	ESO 482-34 MCG -4-9-48 PGC 13548
NGC 1414		Glxy SB(s)bc? sp	14.6	ESO 548-71 MCG -4-9-45 PGC 13543
IC 1983		Non-Existent		ESO 482-33 MCG -4-9-47 IRAS 3387-2243 PGC 13544
NGC 1419		Glxy E pec:	13.5	ESO 301-23 MCG -6-9-17 PGC 13534
NGC 1405		Glxy S0: sp	16.4	MCG -3-10-28 PGC 13512
NGC 1413		Glxy E	16	PGC 13504
IC 343		Glxy SB(rs)0+:	14.1	ESO 548-66 MCG -3-10-29 PGC 13495
NGC 1397	H569-3	Glxy (R)SB(r)0/a	14.5	MCG -1-10-17 PGC 13485
NGC 1402		Glxy SB0^ pec:	13.6	ESO 548-61 MCG -3-10-23 IRAS 3372-1841 PGC 13467
IC 340		Glxy S0^:	15.6	MCG -2-10-5 PGC 13464
NGC 1401	H247-3	Glxy SB(s)0^: sp	13.1	ESO 482-26 MCG -4-9-42 PGC 13457
NGC 1403		Glxy SAB(s)0^	13.7	ESO 482-25 MCG -4-9-41 PGC 13445
NGC 1394		Glxy S0^: sp	12.8	ESO 548-60 MCG -3-10-21 PGC 13444
IC 1975		Non-Existent		

## Eridanus - The River

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 1391		Glxy SB(s)0^	13.3	ESO 548-59 MCG -3-10-20 PGC 13436
NGC 1393	H451-3	Glxy SA(r)0^:	12	ESO 548-58 MCG -3-10-19 PGC 13425
NGC 1388		Glxy E	15.5	PGC 13402
NGC 1396		Glxy SAB0-:	14.8	PGC 13398
IC 339		Non-Existent		
NGC 1390		Glxy SBa pec:	14.6	ESO 548-54 MCG -3-10-17 PGC 13386
NGC 1383		Glxy SAB(s)0^	12.5	ESO 548-53 MCG -3-10-15 PGC 13377
IC 337		Glxy		
NGC 1372		Glxy E	16	PGC 13346
NGC 1392		Non-Existent		NGC 1369 PGC 13330 ESO 358-34 MCG -6-9-4
NGC 1377	H961-3	Glxy S0^	13.4	ESO 548-51 MCG -4-9-33 IRAS 3344-2103 PGC 13324
IC 1962		Glxy SB(s)dm	14.6	ESO 548-50 MCG -4-9-31 PGC 13283
NGC 1370	H559-3	Glxy E+:	13.4	ESO 548-48 MCG -3-10-13 IRAS 3330-2032 PGC 13265
NGC 1368		Glxy S0/a	15	MCG -3-10-12 PGC 13247
NGC 1364		Glxy Scd	16.1	PGC 13253
NGC 1363		Glxy Sbc	15	IRAS 3324-1000 PGC 13245
NGC 1361		Glxy E+ pec:	13.1	MCG -1-10-5 PGC 13218
IC 333		Non-Existent		
NGC 1362	H960-3	Glxy S0^ pec:	13.5	ESO 548-41 MCG -3-10-8 PGC 13196
IC 1952		Glxy SB(s)bc?	13.6	ESO 482-8 MCG -4-9-25 IRAS 3312-2352 PGC 13171
NGC 1202		Glxy Sb	15.5	KUG 302-66 PGC 11593
IC 287		Non-Existent		
IC 286		Non-Existent		
NGC 1204		Glxy S0/a:	15	MCG -2-8-45 IRAS 3022-1232 PGC 11583
IC 285		Glxy S?	15.5	MCG -2-8-44 PGC 11557
NGC 1200	H475-2	Glxy SA(s)0-	13.5	MCG -2-8-43 PGC 11545
NGC 1188		Glxy SAB(r)0^:	14.5	MCG -3-8-68 PGC 11533
NGC 1196		Glxy SB(rs)0^	13.3	MCG -2-8-42B PGC 11522
NGC 1195		Glxy E/S0	15.5	MCG -2-8-42A PGC 11517
NGC 1205		Non-Existent		NGC 1182 PGC 11511
NGC 1182		Glxy Sa	14.7	
NGC 1185		Glxy SB(r)b?	15.6	MCG -2-8-41 IRAS 3005-919 PGC 11488
NGC 1180		Glxy E/S0	15.9	PGC 11435
NGC 1181		Glxy Sb	16.4	PGC 11427
IC 276		Glxy S0^ pec sp	14	MCG -3-8-54 PGC 11264
NGC 1155		Glxy S0	15	MCG -2-8-35 MK 1064 IRAS 2557-1033 PGC 11233
NGC 1154		Glxy SB	14.3	MCG -2-8-34 PGC 11221
NGC 1157		Glxy Sb	17.3	PGC 11218
IC 1870		Glxy SB(s)m	13.1	MCG -1-8-20 UGC A46 IRAS 2553-232 KUG 255-25 PGC 11202
NGC 1152		Glxy S0	15.5	MCG -1-8-19 PGC 11182
NGC 1158		Glxy S0	15	MCG -3-8-49 PGC 11157
NGC 1151		Glxy E	16.9	PGC 11147
NGC 1148		Glxy SB(rs)d pec?	13.5	MCG -1-8-18 PGC 11148
NGC 1150		Glxy S0	14.8	MCG -3-8-48 PGC 11144
IC 272		Glxy Sc	15.9	MCG -2-8-30 IRAS 2537-1423 PGC 11086

## Eridanus - The River

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 271		Glxy S	15.5	MCG -2-8-29 PGC 11078
IC 270		Glxy SA0-:	14.5	MCG -2-8-28 PGC 11061
IC 268		Glxy SBbc	15.5	MCG -2-8-24 PGC 11032
IC 269		Glxy S	15.5	MCG -2-8-23 PGC 11033
NGC 1147		Non-Existent		
IC 1866		Glxy E/S0	14.5	MCG -3-8-44 PGC 10992
NGC 1132		Glxy E	13.3	UGC 2359 MCG 0-8-40 CGCG 389-40 PGC 10891
NGC 1139		Glxy SB(r)0/a pec:	14.1	MCG -3-8-38 PGC 10888
NGC 1133		Glxy Sa	14.6	MCG -2-8-15 IRAS 2502-900 PGC 10885
NGC 1126		Glxy Sb: sp	15.4	MCG 0-8-38 CGCG 389-38 PGC 10868
NGC 1105		Glxy S0/a	15.3	IC 1840 PGC 10867 MCG -3-8-36
NGC 1125	H450-3	Glxy (R')SB(r)0/a?	13.4	MCG -3-8-35 PGC 10851
NGC 1121		Glxy S0:	13.9	UGC 2332 MCG 0-8-30 CGCG 389-32 ARAK93 PGC 10789
NGC 1118		Glxy (R')SB(r)0^?	13.5	MCG -2-8-11 IRAS 2475-1222 PGC 10748
NGC 1120		Glxy S0-	14	IC 261 PGC 10664 MCG -3-8-28
NGC 754		Glxy E0 pec:	15.2	ESO 152-33 PGC 7068
NGC 745		Glxy S0+: pec	12.6	ESO 152-32 PGC 7054

**Sub Total: 332**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 362		Glxy E+?	13.9	MCG -2-11-31 PGC 14782
IC 367		Glxy (R')SA0-:	14	MCG -2-12-1 PGC 14917
IC 368		Glxy S	14.5	MCG -2-12-9 PGC 14994
IC 369		Glxy E/S0	15.3	MCG -2-12-10 PGC 15020
IC 399		Glxy IAB(s)m pec:	17.6	MK 1090 IRAS 4591-419 PGC 16582
IC 402		Glxy SAB(rs)cd	13.5	MCG -2-13-43 UGC A99 IRAS 5038-910 PGC 16742
IC 401		Glxy SB(rs)b?	14.5	MCG -2-13-40 MK 1092 IRAS 5019-1008 PGC 16672
IC 370		Glxy SB(rs)c	14.8	MCG -2-12-11 PGC 15029
IC 1892		Glxy SB(s)d pec	13.8	ESO 480-36 MCG -4-8-30 UGC A55 VV 260 VV 337 ARP 332 PGC 11750
MAC 0306-0934		Glxy	15.5	
MAC 0306-0936		Glxy	16	
MAC 0329-2217		Glxy	16.5	
MAC 0427-1019		Glxy	17	
MAC 0354-0832		Glxy	15	
MAC 0339-0207		Glxy	16.5	
MAC 0308-2257		Glxy	16	
MAC 0306-0935		Glxy	16.5	
MAC 0305-0932		Glxy	15	
IC 2059		Glxy SAB(r)0^:	13.8	ESO 420-17 MCG -5-11-7 PGC 14910
IC 2098		Glxy Scd: sp	14.5	MCG -1-13-18 IRAS 4482-530 PGC 16144
MAC 0302-0441		Glxy	16.5	ARP 179
IC 1953		Glxy SB(rs)d	12.2	ESO 548-38 MCG -4-9-26 UGC A78 IRAS 3314-2138 PGC 13184
NGC 1084	H64-1	Glxy SA(s)c	11.3	MCG -1-8-7 IRAS 2435-747 PGC 10464

## Eridanus - The River

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 1091		Glxy (R')SAB(rs)a p?	14.1	ESO 546-16 MCG -3-8-13 Hickson 21E PGC 10424
NGC 1098		Glxy SA(s)0-:	12.5	ESO 546-14 MCG -3-8-8 Hickson 21C PGC 10403
NGC 1100		Glxy SAB(r)a:	13.9	ESO 546-18 MCG -3-8-16 Hickson 21B PGC 10438
NGC 1145		Glxy Sc: sp	13.6	ESO 546-29 MCG -3-8-42 UGC A45 IRAS 2522-1850 PGC 10965
NGC 1199	H503-2	Glxy E3:	11.3	MCG -3-8-67 Hickson 22A PGC 11527
NGC 1192		Glxy E?	15.4	MCG -3-8-65 Hickson 22E PGC 11519
NGC 1191		Glxy SB0-:	15.3	MCG -3-8-64 Hickson 22D PGC 11514
NGC 1190		Glxy S0 <sup>^</sup> : sp	15.2	MCG -3-8-62 Hickson 22B PGC 11508
NGC 1189		Glxy SB(s)dm:	14.4	MCG -3-8-61 Hickson 22C PGC 11503
NGC 1187	H245-3	Glxy SB(r)c	11.3	ESO 480-23 MCG -4-8-16 UGC A49 IRAS 3003-2303 PGC 11479
NGC 1179		Glxy SAB(r)cd	12.6	ESO 547-1 MCG -3-8-60 UGC A48 IRAS 3003-1905 PGC 11480
NGC 1172	H502-2	Glxy E+:	12.7	MCG -3-8-59 PGC 11420
NGC 1163		Glxy SBbc? sp	14.7	MCG -3-8-56 IRAS 2580-1720 PGC 11359
NGC 1162	H469-3	Glxy E:	13.5	MCG -2-8-36 PGC 11274
NGC 1779	H500-3	Glxy (R')SAB(r)0/a?	13	MCG -2-13-41 IRAS 5029-912 PGC 16713
NGC 1741		Glxy Pec	13.3	MCG -1-13-45 MK 1089 VV 524 VV 565 ARP 259 Hickson 31A PGC 16574
NGC 1728		Glxy Sa pec sp	13.7	MCG -2-13-30 VV 699 PGC 16495
NGC 1726		Glxy SA(s)0 <sup>^</sup> :	12.7	MCG -1-13-42 PGC 16508
NGC 1725		Glxy E/S0	13.1	MCG -2-13-28 VV 699 IRAS 4569-1111 PGC 16488
NGC 1723		Glxy SB(r)a pec	12.5	MCG -2-13-29 IRAS 4571-1103 PGC 16493
NGC 1721		Glxy (R')SAB(s)0 <sup>^</sup> p	13.1	MCG -2-13-27 VV 699 PGC 16484
NGC 1720		Glxy SB(s)ab	13.9	MCG -1-13-41 IRAS 4569-756 PGC 16485
NGC 1700	H32-4	Glxy E4	12.2	MCG -1-13-38 PGC 16386
NGC 1667		Glxy SBc	12.1	
NGC 1659	H589-3	Glxy SA(r)bc pec	13.1	MCG -1-13-6 IRAS 4440-452 PGC 15977
NGC 1640		Glxy SB(r)b	12.4	ESO 551-27 MCG -3-12-18 IRAS 4400-2031 PGC 15850
NGC 1637	H122-1	Glxy SAB(rs)c	11.5	MCG 0-12-68 UGC A93 CGCG 393-66 IRAS 4389-257 PGC 15821
NGC 1625		Glxy SB(rs)b:	12.2	MCG -1-12-38 IRAS 4346-324 PGC 15654
NGC 1622		Glxy SAB(r)ab:	12.5	MCG -1-12-36 PGC 15635
NGC 1618	H524-2	Glxy SB(r)b:	12.7	MCG -1-12-34 IRAS 4336-314 PGC 15611
NGC 1614		Glxy SB(s)c pec	13.6	MCG -1-12-32 MK 617 2ZW15 ARP 186 IRAS 4315-840 PGC 15538
NGC 1601		Glxy S0: sp	13.8	MCG -1-12-18 PGC 15413
NGC 1600	H158-1	Glxy E3	10.9	MCG -1-12-17 PGC 15406
NGC 1599		Glxy SB(s)c pec:	14.1	MCG -1-12-16 IRAS 4292-441 PGC 15403
NGC 1577		Glxy SBb	13.5	PGC 15090 MCG -2-12-14 IRAS 4239-1012
NGC 1565		Glxy Sc	15	MCG -3-12-7 PGC 15015
NGC 1564		Glxy S0	16.3	PGC 15004
NGC 1563		Glxy E1?	15.3	MCG -3-12-5 IRAS 4204-1546 PGC 15000
NGC 1562		Glxy S0	15.1	PGC 14956
NGC 1561		Glxy E/S0	15.2	MCG -3-12-6 PGC 15005
NGC 1552	H490-3	Glxy SAB(r)0+?	13.9	UGC 3015 MCG 0-12-7 CGCG 393-5 PGC 14907
NGC 1547		Glxy SB(rs)bc pec:	14.4	ESO 550-18 IRAS 4149-1758 PGC 14799
NGC 1540A		Glxy Sa? pec	14.4	ESO 420-14A PGC 14734
NGC 1540		Glxy S	14.8	ESO 420-14 IRAS 4131-2836 PGC 14733
NGC 1538		Glxy E	15	IC 2047 PGC 14722 MCG -2-11-27

## Eridanus - The River

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 1537		Glxy SAB0- pec?	11.5	ESO 420-12 MCG -5-11-5 PGC 14695
NGC 1535	H26-4	PI Neb 4+2c	9.6	PK 206-40.1 PNG 206.4-40.5
NGC 1532		Glxy SB(s)b pec sp	9.8	ESO 359-27 MCG -5-11-2 IRAS 4102-3259 PGC 14638
NGC 1531		Glxy S0- pec:	13.2	ESO 359-26 MCG -5-11-1 PGC 14635
NGC 1521		Glxy E3:	12.4	ESO 550-11 MCG -4-10-15 PGC 14520
NGC 1518		Glxy SB(s)dm	12.3	ESO 550-7 MCG -4-10-13 IRAS 4046-2118 PGC 14475
NGC 1507	H279-2	Glxy SB(s)m pec?	12.9	UGC 2947 MCG 0-11-9 MK 1080 CGCG 392-2 IRAS 4019-219 KARA139 PGC 14409
NGC 1478		Glxy S0	16.5	PGC 14062
NGC 1477		Glxy E	15.8	PGC 14060
NGC 1472		Glxy S0	15.4	PGC 14050
NGC 1461	H460-2	Glxy SA(r)0^	12.8	MCG -3-10-47 PGC 13881
NGC 1453	H155-1	Glxy E2-3	12.6	MCG -1-10-34 PGC 13814
NGC 1452	H459-2	Glxy (R')SB(r)0/a	12.8	NGC 1455 PGC 13765 ESO 549-12 MCG -3-10-44 IRAS 3430-1847
NGC 1440	H458-2	Glxy SB0	11.6	
NGC 1439	H249-3	Glxy E1	12.3	ESO 549-9 MCG -4-9-56 PGC 13738
NGC 1427A		Glxy IB(s)m	13.4	ESO 358-49 MCG -6-9-16 PGC 13500
NGC 1426	H248-3	Glxy E4	12.3	ESO 549-1 MCG -4-9-54 PGC 13638
NGC 1421	H291-2	Glxy SAB(rs)bc:	12	MCG -2-10-8 IRAS 3401-1338 PGC 13620
NGC 1417	H455-2	Glxy SAB(rs)b	12.8	MCG -1-10-21 IRAS 3394-451 PGC 13584
NGC 1415	H267-2	Glxy (R)SAB(s)0/a	12.8	IC 1983 PGC 13544 ESO 482-33 MCG -4-9-47 IRAS 3387-2243
NGC 1407	H107-1	Glxy E0	10.7	ESO 548-67 MCG -3-10-30 PGC 13505
NGC 1400	H593-2	Glxy SA0-	10.9	ESO 548-62 MCG -3-10-22 IRAS 3372-1850 PGC 13470
NGC 1395	H58-1	Glxy E2	10.6	ESO 482-19 MCG -4-9-39 PGC 13419
NGC 1389		Glxy SAB(s)0-:	12.4	ESO 358-38 MCG -6-9-10 PGC 13360
NGC 1386		Glxy SB(s)0+	12.1	ESO 358-35 MCG -6-9-5 IRAS 3348-3609 PGC 13333
NGC 1376	H288-2	Glxy SA(s)cd	12.8	MCG -1-10-11 IRAS 3346-512 PGC 13352
NGC 1359		Glxy SB(s)m? pec	12.6	ESO 548-39 MCG -3-10-7 IRAS 3315-1939 PGC 13190
NGC 1358	H446-3	Glxy SAB(r)0/a	13	MCG -1-10-3 PGC 13182
NGC 1357	H290-2	Glxy SA(s)ab	12.4	MCG -2-10-1 IRAS 3309-1349 PGC 13166
NGC 1353	H246-3	Glxy SB(rs)b:	12.4	ESO 548-31 MCG -4-9-22 UGC A76 IRAS 3298-2059 PGC 13108
NGC 1347		Glxy SB(s)c: pec	13.7	ESO 548-27 MCG -4-9-17 VV 23 ARP 39 IRAS 3275-2226 PGC 12989
NGC 1346		Glxy Sb pec?	14.4	MCG -1-9-42 IRAS 3277-542 KUG 327-57 PGC 13009
NGC 1337		Glxy SA(s)cd	12.5	MCG -2-9-42 PGC 12916
NGC 1332	H60-1	Glxy S(s)0-: sp	11.3	ESO 548-18 MCG -4-9-11 UGC A72 IRAS 3240-2130 PGC 12838
NGC 1325	H77-4	Glxy SA(s)bc	12.2	ESO 548-7 MCG -4-9-4 UGC A70 IRAS 3221-2143 PGC 12737
NGC 1309	H106-1	Glxy SA(s)bc:	12	MCG -3-9-28 IRAS 3197-1534 PGC 12626
NGC 1300		Glxy SB(rs)bc	10.3	ESO 547-31 MCG -3-9-18 UGC A66 IRAS 3174-1935 PGC 12412
NGC 1297		Glxy SAB(s)0^ pec:	12.8	ESO 547-30 MCG -3-9-17 PGC 12373
NGC 1253A		Glxy SB(s)m	14.4	MCG -1-9-19 DDO31 VV 587 ARP 279 IRAS 3118-259 PGC 12053
NGC 1253	H17-4	Glxy SAB(rs)cd	12.3	MCG -1-9-18 UGC A62 ARP 279 KUG 311-30 PGC 12041
NGC 1247	H900-2	Glxy Sbc sp	13.5	MCG -2-9-14 UGC A58 IRAS 3098-1040 PGC 11931
NGC 1242	H591-3	Glxy SB(rs)c:	14.3	MCG -2-9-12 VV 334 ARP 304 PGC 11892
NGC 1241	H286-2	Glxy SB(rs)b	12	MCG -2-9-11 VV 334 ARP 304 PGC 11887
NGC 1232	H258-2	Glxy SAB(rs)c	10.5	ESO 547-14 MCG -4-8-32 ARP 41 PGC 11819
NGC 1230		Glxy SB0^? pec	15.4	ESO 480-34 MCG -4-8-27 PGC 11743

## Eridanus - The River

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 1229		Glxy SBb: pec	14.8	ESO 480-33 MCG -4-8-25 UGC A53 VV 337 VV 260 ARP 332 IRAS 3059-2309 PGC 11734
NGC 1228		Glxy (R')SB(rs)0+ p:	14.2	ESO 480-32 MCG -4-8-26 UGC A54 VV 337 VV 260 ARP 332 PGC 11735
NGC 1216		Glxy S0+? sp	15.8	MCG -2-8-56 Hickson 23C PGC 11693
NGC 1215		Glxy (R)SAB(r)a pec	15	MCG -2-8-55 Hickson 23B PGC 11687
NGC 1214		Glxy SB(rs)0+?	15	MCG -2-8-51 Hickson 23A PGC 11675
NGC 1209	H504-2	Glxy E6:	12.4	MCG -3-8-73 PGC 11638
NGC 1208	H285-2	Glxy SA(r)0/a?	13.4	MCG -2-8-47 IRAS 3037-943 PGC 11647
NGC 1114	H449-3	Glxy SA(r)c	13.6	MCG -3-8-29 IRAS 2467-1712 PGC 10669
NGC 1140	H470-2	Glxy IBm pec:	12.8	MCG -2-8-19 MK 1063 VV 482 IRAS 2521-1013 PGC 10966
NGC 1110		Glxy SB(s)m: sp	15	MCG -1-8-10 UGC A43 PGC 10673
NGC 1099		Glxy SB(rs)b	13.1	ESO 546-15 MCG -3-8-11 IRAS 2429-1754 Hickson 21A PGC 10422
NGC 1092		Glxy E?	13.4	ESO 546-17 MCG -3-8-14 Hickson 21D PGC 10432
PGC 10561		Glxy Sa	14.5	MCG -3-8-25 VV 336 ARP 131
PGC 10564		Glxy Sb	15.4	MCG -3-8-26 VV 336 ARP 131
PGC 11491		Glxy L	15.8	ESO 547-2 MCG -4-8-17 VV 346 ARP 108
PGC 11529		Glxy	15.6	ESO 547-6
PGC 11673		Glxy Sd	16.3	MCG -2-8-50 IRAS 3044-949 Hickson 23D
PGC 16691		Glxy Radio galaxy	15	MCG -2-13-40A ARP 187
PGC 16573		Glxy SB(s)m pec:	13.3	Hickson 31C ARP 259
PGC 16571		Glxy S?	17.9	Hickson 31D ARP 259
PGC 16570		Glxy SB(s)m pec sp	15.2	Hickson 31B ARP 259
PGC 16261		Glxy S	14.8	MCG -1-13-34 VV 822 ARP 180
PGC 15655		Glxy S0-	13.9	UGC 3105 MCG 0-12-56 CGCG 393-48
PGC 15637		Glxy Sa	15.1	UGC 3104 MCG 0-12-55 CGCG 393-47 ARP 61
PGC 15636		Glxy S	16.2	Hickson 30D
PGC 15632		Glxy L	15.5	MCG 0-12-53 ARP 61
PGC 15631		Glxy (R')SAB(rs)0+:	14.2	MCG 0-12-54 CGCG 393-45 Hickson 30B
PGC 15624		Glxy S?	15.7	Hickson 30C
PGC 15620		Glxy (R')SB(rs)0+:	13.7	MCG 0-12-51 CGCG 393-44 Hickson 30A
PGC 15559		Glxy S?	15.1	Hickson 29A
PGC 15139		Glxy S	17.8	Hickson 28D
PGC 15136		Glxy S?	16.2	Hickson 28A
PGC 15135		Glxy E?	16.5	Hickson 28C
PGC 14873		Glxy S	16.8	Hickson 27A
PGC 14870		Glxy S	17.3	Hickson 27C
PGC 14863		Glxy S?	16.4	Hickson 27B
PGC 12611		Glxy SBd pec sp	17	MCG -2-9-35 VV 491 IRAS 3195-1349 Hickson 26A
PGC 12610		Glxy	17.7	Hickson 26G
PGC 12604		Glxy L	17.5	Hickson 26C
PGC 12501		Glxy S?	15.5	MCG -2-9-32 Hickson 24B
PGC 12492		Glxy S	17.8	Hickson 24D
PGC 12489		Glxy	17.9	Hickson 24E
PGC 12477		Glxy S?	15.7	MCG -2-9-31 Hickson 24A
PGC 12472		Glxy S	16.9	Hickson 24C
PGC 11690		Glxy S	17.6	MCG -2-8-54 IRAS 3047-946 Hickson 23E

## Eridanus - The River

Observed: Yes

<b>Object</b>	<b>Her</b>	<b>Type</b>	<b>Mag</b>	<b>Alias/Notes</b>
PGC 14861		Glxy S	17.8	Hickson 27D
PGC 13820		Glxy Sc sp	15	MCG -1-10-35 IRAS 3441-436
PGC 13646		Glxy Sc: sp	13.5	MCG -2-10-9 IRAS 3405-1304
PGC 13496		Glxy Sbc	14.9	UGC 2814 MCG 0-10-10 CGCG 391-25
PGC 13489		Glxy SB	14.8	UGC 2812 MCG 0-10-9 CGCG 391-24 VV 495 ARP 219 IRAS 3373-216
PGC 13005		Glxy Sa pec sp	16.5	MCG -1-9-41
PGC 12798		Glxy Sdm: sp	13.7	MCG -3-9-41 UGC A71
PGC 12614		Glxy S0?	16.4	Hickson 26B
PGC 12613		Glxy S	16.1	Hickson 26D
PGC 11536		Glxy Scd	15.2	ESO 547-7 MCG -4-8-20
PGC 11493		Glxy Sc	15.1	ESO 547-3 MCG -4-8-18 VV 346 ARP 108
PGC 11432		Glxy		

**Sub Total: 170****Total: 502**

## Fornax - The Furnace

Observed: No

Object	No	Her	Type	Mag	Alias/Notes
IC	1728		Glxy (R')SAB(s)bc	14.1	ESO 353-47 MCG -6-5-2 IRAS 1455-3350 PGC 6584
IC	1734		Glxy SB(rs)c	13.4	ESO 353-48 MCG -6-5-3 IRAS 1470-3259 PGC 6679
NGC	696		Glxy SAB(s)0+ pec?	14.3	ESO 353-50 MCG -6-5-4 PGC 6695
NGC	689		Glxy (R')SAB(r)ab p:	14.5	ESO 414-5 MCG -5-5-19 IRAS 1475-2742 PGC 6724
IC	1740		Non-Existent		
NGC	749		Glxy (R')SB(s)0/a:	13.4	ESO 414-11 MCG -5-5-23 IRAS 1534-3009 PGC 7191
NGC	986		Glxy SB(rs)ab	11.6	ESO 299-7 MCG -7-6-15 IRAS 2315-3915 PGC 9747
NGC	986A		Glxy IBm:	14	ESO 299-6 MCG -7-6-14A PGC 9686
IC	1816		Glxy SB(r)ab pec?	13.8	ESO 355-25 MCG -6-6-11 FAIR1090 IRAS 2297-3653 PGC 9634
NGC	964		Glxy Sab	13.5	IC 1814 PGC 9582 ESO 355-24 MCG -6-6-10 IRAS 2290-3615
IC	1814		Non-Existent		ESO 355-23 PGC 9571
IC	1813		Glxy SA(rs)0+ pec:	14.2	ESO 355-22 MCG -6-6-9 PGC 9567
IC	1811		Glxy (R')SB(r)ab	14.3	ESO 355-20 MCG -6-6-8 PGC 9555
IC	1782		Non-Existent		ESO 478-2 MCG -4-6-5 IRAS 2050-2540 PGC 8093
NGC	824		Glxy SB(r)bc	14.1	ESO 354-37 MCG -6-5-28 PGC 8068
IC	1769		Glxy S	15.5	ESO 414-21 PGC 7645
IC	1768		Glxy SA0	14.5	ESO 477-20 MCG -4-5-24 PGC 7618
IC	1763		Glxy Sb	14.7	ESO 414-20 MCG -5-5-25 PGC 7514
NGC	775		Glxy SA(rs)c:	13.4	ESO 477-18 MCG -5-5-24 IRAS 1562-2632 PGC 7451
IC	1759		Glxy SA(rs)bc:	13.8	IC 1760 ESO 354-18 MCG -6-5-16 PGC 7400
IC	1762		Glxy SB(s)bc	14.3	ESO 354-17 MCG -6-5-15 IRAS 1555-3329 PGC 7393
IC	1760		Non-Existent		IC 1760 ESO 354-18 MCG -6-5-16 PGC 7400
IC	1860		Glxy E4	13.7	ESO 416-31 MCG -5-7-35 PGC 10707
IC	1858		Glxy SA0+:	14.1	ESO 416-29 MCG -5-7-33 PGC 10671
IC	1859		Glxy S?	14.2	ESO 416-28 MCG -5-7-32 IRAS 2469-3122 PGC 10665
IC	1845		Glxy		
NGC	1079		Glxy (R)SAB(rs)0/a p	12.4	ESO 416-13 MCG -5-7-17 IRAS 2415-2913 PGC 10330
IC	229		Non-Existent		
NGC	922	H239-3	Glxy SB(s)cd pec	12.5	ESO 478-28 MCG -4-6-37 UGC A30 IRAS 2228-2500 PGC 9172
NGC	897		Glxy SA(rs)a	12.8	ESO 355-7 MCG -6-6-3 PGC 8944
IC	1788		Glxy SB(s)bc?	12.3	ESO 415-15 MCG -5-6-11 IRAS 2136-3125 PGC 8649
NGC	857		Glxy SA(rs)0^:	13.4	ESO 415-6 MCG -5-6-8 PGC 8455
NGC	854		Glxy SB(rs)c:	13.8	ESO 354-47 MCG -6-5-38 IRAS 2093-3604 PGC 8388
IC	1783		Glxy SA(rs)b?	13.2	ESO 354-46 MCG -6-5-37 IRAS 2079-3310 PGC 8279
NGC	823		Glxy SA(r)0-?	13.6	IC 1782 PGC 8093 ESO 478-2 MCG -4-6-5 IRAS 2050-2540
NGC	729		Non-Existent		NGC 727 PGC 7040
IC	1993		Glxy (R')SAB(rs)b	12.4	ESO 358-65 MCG -6-9-32 IRAS 3451-3351 PGC 13840
NGC	1459		Glxy SB(s)bc?	13.6	ESO 482-43 MCG -4-10-1 IRAS 3448-2540 PGC 13832
NGC	1428		Glxy SAB0- pec:	13.7	ESO 358-53 MCG -6-9-22 PGC 13611
NGC	1427		Glxy E+	11.8	ESO 358-52 MCG -6-9-21 PGC 13609
NGC	1425	H852-2	Glxy SA(s)b	11.3	ESO 419-4 MCG -5-9-23 UGC A84 IRAS 3401-3002 PGC 13602
NGC	1412		Glxy SAB0^: sp	13.5	IC 1981 PGC 13520 ESO 482-29 MCG -5-9-21
IC	1981		Non-Existent		ESO 482-29 MCG -5-9-21 PGC 13520
NGC	1408		Non-Existent		
NGC	1406		Glxy SB(s)bc: sp	12.4	ESO 418-15 MCG -5-9-20 UGC A83 IRAS 3373-3129 PGC 13458

## Fornax - The Furnace

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 1398		Glxy (R')SB(r)ab	10.6	ESO 482-22 MCG -4-9-40 IRAS 3367-2629 PGC 13434
NGC 1385	H263-2	Glxy SB(s)cd	11.5	ESO 482-16 MCG -4-9-36 IRAS 3353-2439 PGC 13368
NGC 1382		Glxy E/SB0	12.9	NGC 1380B PGC 13354 ESO 358-37 MCG -6-9-9
NGC 1380B		Non-Existent		
NGC 1380A		Glxy S0 <sup>+</sup> : sp	12.4	ESO 358-33 MCG -6-9-6 PGC 13335
NGC 1369		Glxy SB0-a	12.9	
NGC 1381		Glxy SA0: sp	11.5	ESO 358-29 MCG -6-9-3 PGC 13321
NGC 1380		Glxy SA0	10.9	ESO 358-28 MCG -6-9-2 IRAS 3345-3508 PGC 13318
NGC 1379		Glxy E	11.8	ESO 358-27 MCG -6-9-1 PGC 13299
NGC 1378		Non-Existent		
IC 1963		Non-Existent		IC 1963 IC 335 ESO 358-26 MCG -6-8-31 PGC 13277
IC 335		Glxy S0	12.1	IC 1963 IC 335 ESO 358-26 MCG -6-8-31 PGC 13277
NGC 1374		Glxy E	11.1	ESO 358-23 MCG -6-8-29 PGC 13267
NGC 1375		Glxy SAB0 <sup>+</sup> : sp	12.4	ESO 358-24 MCG -6-8-30 PGC 13266
NGC 1367		Glxy SAB(rs)a	11.6	NGC 1371 PGC 13255 ESO 482-10 MCG -4-9-29 UGC A79 IRAS 3327-2505
NGC 1371	H262-2	Non-Existent		
NGC 1373		Glxy E+:	13.3	ESO 358-21 MCG -6-8-28 PGC 13252
NGC 1366	H857-3	Glxy S0 <sup>+</sup> sp	12	ESO 418-10 MCG -5-9-13 PGC 13197
NGC 1365		Glxy SB(s)b	10.3	ESO 358-17 MCG -6-8-26 VV 825 IRAS 3317-3618 PGC 13179
NGC 1351		Glxy SA0- pec:	11.5	ESO 358-12 MCG -6-8-22 PGC 13028
NGC 1351A		Glxy SB(rs)bc: sp	14.2	ESO 358-9 MCG -6-8-21 PGC 12952
NGC 1344	H257-1	Non-Existent		NGC 1340 PGC 12923 ESO 418-5 MCG -5-9-5
NGC 1339		Glxy E+ pec:	12.5	ESO 418-4 MCG -5-9-4 PGC 12917
NGC 1341		Glxy SAB(s)ab	12.3	ESO 358-8 MCG -6-8-20 IRAS 3260-3719 PGC 12911
NGC 1336		Glxy SA0-	13.1	ESO 358-2 MCG -6-8-16 PGC 12848
IC 1919		Glxy SA(rs)0-?	13.8	ESO 358-1 MCG -6-8-15 PGC 12825
NGC 1327		Glxy (R')SB(s)b	15.5	ESO 481-26 MCG -4-9-8 IRAS 3232-2551 PGC 12795
NGC 1326B		Glxy SB(s)m: sp	13.7	ESO 357-29 MCG -6-8-14 PGC 12788
NGC 1326A		Glxy SB(s)m:	13.8	ESO 357-28 MCG -6-8-13 PGC 12783
NGC 1316C		Glxy (R')SA0 <sup>+</sup> :	14.3	ESO 357-27 MCG -6-8-12 PGC 12769
NGC 1326		Glxy (R)SB(r)0+	11.4	ESO 357-26 MCG -6-8-11 IRAS 3220-3638 PGC 12709
NGC 1316B		Glxy Sab	14.3	
NGC 1316A		Glxy S0-a	14	
NGC 1318		Non-Existent		NGC 1317
NGC 1306		Glxy Sb?	13.6	ESO 481-23 IRAS 3188-2541 PGC 12559
NGC 1302		Glxy (R)SB(r)0/a	11.6	ESO 481-20 MCG -4-8-58 IRAS 3177-2614 PGC 12431
IC 1913		Glxy SBb? sp	14.3	ESO 357-16 MCG -5-8-27 PGC 12404
NGC 1292		Glxy SA(s)c	12.8	ESO 418-1 MCG -5-8-26 IRAS 3161-2747 PGC 12285
IC 1909		Glxy SB(r)b	14.4	ESO 357-14 MCG -6-8-3 PGC 12212
NGC 1288		Glxy SAB(rs)c	12.8	ESO 357-13 MCG -5-8-25 IRAS 3152-3245 PGC 12204
IC 1906		Glxy (R')SB(s)bc?	14.4	ESO 357-11 MCG -6-8-1 IRAS 3141-3432 PGC 12138
IC 1904		Glxy (R')SB(rs)ab:	14.4	ESO 417-22 MCG -5-8-24 IRAS 3129-3053 PGC 12079
NGC 1255		Glxy SAB(rs)bc	11.4	ESO 481-13 MCG -4-8-50 UGC A60 IRAS 3113-2554 PGC 12007
IC 1899		Glxy S0/a	14.3	ESO 481-8 MCG -4-8-41 IRAS 3100-2529 PGC 11930
IC 1895		Glxy (R)SAB(rs)0/a p	14.2	ESO 481-1 MCG -4-8-33 PGC 11807

## Fornax - The Furnace

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 1210		Glxy (R')SB(rs)0+ p	13.5	ESO 480-31 PGC 11666
IC 1885		Glxy Sc?	14.8	ESO 357-3 PGC 11665
NGC 1217		Glxy (R)SA(r)a:	13.3	ESO 300-10 MCG -7-7-3 IRAS 3041-3913 PGC 11641
IC 1876		Glxy SA0+? pec	14.4	ESO 417-13 MCG -5-8-13 PGC 11577
NGC 1201	H109-1	Glxy SA(r)0^:	11.7	ESO 480-28 MCG -4-8-23 PGC 11559
IC 1875		Glxy SAB(rs)0-:	13.4	ESO 300-6 MCG -7-7-2 PGC 11549
NGC 1165		Glxy (R')SB(r)a:	13.6	ESO 417-8 MCG -5-8-9 IRAS 2567-3217 PGC 11270
IC 1833		Glxy SAB0^	14.1	ESO 416-7 MCG -5-7-13 PGC 10205
NGC 1049		Globular	12.6	
IC 1830		Non-Existent		IC 1826 ESO 416-6 MCG -5-7-12 UGC A37 IRAS 2368-2739 PGC 10041
IC 1826		Glxy SAB(rs)0+:	13.2	IC 1830 ESO 416-6 MCG -5-7-12 UGC A37 IRAS 2368-2739 PGC 10041
NGC 727		Glxy (R')SAB(s)ab	14.9	NGC 729 PGC 7027 ESO 354-10 MCG -6-5-12
NGC 724		Non-Existent		NGC 723 PGC 7024 ESO 477-13 MCG -4-5-16 IRAS 1514-2400
IC 1739		Glxy Sb	14.9	ESO 354-1 MCG -6-5-7 IRAS 1483-3418 PGC 6777
NGC 698		Glxy (R')SAB(rs)ab:	14.7	ESO 353-51 MCG -6-5-5 PGC 6710
IC 1864		Glxy E?	12.6	ESO 356-17 MCG -6-7-11 PGC 10925
IC 1862		Glxy SAbc: sp	14.4	ESO 356-15 MCG -6-7-10 IRAS 2499-3332 PGC 10858
NGC 1124		Glxy (R)SB0+:	14.8	ESO 480-7 MCG -4-7-47 PGC 10838
IC 1729		Glxy SAB(s)0-:	13.5	ESO 477-4 MCG -5-5-14 PGC 6598
NGC 686	H459-3	Glxy SA0-:	13.4	ESO 477-6 MCG -4-5-8 PGC 6655

**Sub Total: 110**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 1097	H48-5	Glxy SB(s)b	10.2	ESO 416-20 MCG -5-7-24 UGC A41 ARP 77 IRAS 2441-3029 PGC 10488
NGC 1360		PI Neb 3	9.6	ESO 482-7 Minkowski 1-3 PK 220-53.1
NGC 1399		Glxy E1 pec	10.6	ESO 358-45 MCG -6-9-12 PGC 13418
NGC 1404		Glxy E1	10	ESO 358-46 MCG -6-9-13 PGC 13433
NGC 1387		Glxy SAB(s)0-	11.7	ESO 358-36 MCG -6-9-7 IRAS 3350-3540 PGC 13344
NGC 1350		Glxy (R')SB(r)ab	11.2	ESO 358-13 MCG -6-8-23 IRAS 3291-3347 PGC 13059
NGC 1310		Glxy SA(s)c:	12.6	ESO 357-19 MCG -6-8-4 IRAS 3191-3716 PGC 12569
NGC 1316		Glxy SAB(s)0^ pec	9.4	ESO 357-22 MCG -6-8-5 ARP 154 IRAS 3208-3723 PGC 12651
NGC 1340		Glxy E5	11.3	NGC 1344
NGC 1317		Glxy SBa	11.1	NGC 1318 PGC 12653 ESO 357-23 MCG -6-8-6 IRAS 3208-3716
NGC 1097A		Glxy E pec:	14.6	ESO 416-19 MCG -5-7-22 ARP 77 PGC 10479

**Sub Total: 11****Total: 121**

## Gemini - The Twins

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 2218		Non-Existent		
NGC 2279		Non-Existent		
NGC 2285		Non-Existent		
NGC 2391		Non-Existent		
NGC 2390		Non-Existent		
NGC 2386		Non-Existent		
NGC 2379		Non-Existent		
NGC 2372	H317-2	Non-Existent		NGC 2371
IC 2188		Non-Existent		IC 2186
NGC 2356	H6-7	Non-Existent		
IC 2182		Non-Existent		MAC 0714+1856 close by
IC 2173		Non-Existent		
IC 483		Non-Existent		(STAR)
IC 2208		Non-Existent		
IC 2192		Non-Existent		IC 2193
NGC 2284		Non-Existent		
NGC 2278		Non-Existent		
NGC 2248		Non-Existent		
NGC 2265		Non-Existent		
NGC 2277		Non-Existent		

**Sub Total: 20**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
ABELL 21		PI Neb	10.7	PK 205+14.1
IC 443		Nebula E		
IC 454		Glxy SBab	14.3	UGC 3570 MCG 2-18-2 PGC 19725
IC 476		Glxy SB	15.6	MCG 5-19-6 CGCG 148-18 PGC 21796
IC 475		Glxy S?	15.4	MCG 5-19-5 CGCG 148-17 ARAK140 PGC 21795
IC 474		Glxy S	15.2	MCG 4-19-1 CGCG 148-12 PGC 21749
IC 444		Nebula R		
IC 477		Glxy L	15.5	MCG 4-19-6 CGCG 118-16 PGC 22037
IC 486		Glxy SBa	14.6	UGC 4155 MCG 4-19-18 CGCG 148-87 IRAS 7572+2645 PGC 22445
IC 485		Glxy Sa:	15.4	UGC 4156 CGCG 148-88 IRAS 7572+2650 PGC 22443
IC 484		Glxy S	15.5	CGCG 148-84 PGC 22419
IC 482		Glxy S	15.1	MCG 4-19-16 CGCG 118-35 IRAS 7567+2529 PGC 22409
IC 481		Glxy S	15.2	UGC 4130 MCG 4-19-13 CGCG 118-31 PGC 22374
IC 480		Glxy Sbc	15	UGC 4096 CGCG 148-62 IRAS 7523+2652 PGC 22188
IC 479		Glxy SBc	15	MCG 5-19-20 CGCG 148-58 PGC 22138
IC 478		Glxy	15.2	CGCG 148-55 PGC 22109
NGC 2129	H26-8	Open Cl 10.0 I 3 m	6.7	
NGC 2158	H17-6	Open Cl 15.0 II 3 r	8.6	
NGC 2224	H35-7	Open Cl cluster?		
NGC 2274	H615-2	Glxy E	13.1	UGC 3541 MCG 6-15-8 CGCG 175-15 PGC 19603

## Gemini - The Twins

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 2266	H21-6	Open Cl 11.0 II 2 m	9.5	
NGC 2234	H9-8	Open Cl 11.0 cluster?		
NGC 2168		Open Cl 8.0 III 3 r	5.1	M 35 Mel 41
NGC 2275	H614-2	Glxy S?	14.1	UGC 3542 MCG 6-15-7 CGCG 175-16 PGC 19605
NGC 2339	H769-2	Glxy SAB(rs)bc	12.5	UGC 3693 MCG 3-19-2 CGCG 85-40 CGCG 86-5 IRAS 7054+1851 PGC 20222
NGC 2333	H899-3	Glxy Sa	14.2	UGC 3689 MCG 6-16-20 CGCG 176-18 IRAS 7050+3515 PGC 20223
NGC 2331	H40-8	Open Cl 9.0 IV 2 m	8.5	
NGC 2304	H2-6	Open Cl II 1 m	10	
NGC 2294		Glxy E6?	13.8	MCG 6-15-14 CGCG 175-21 IRAS 6478+3335 PGC 19729
NGC 2291		Glxy SA0^:	14.2	MCG 6-15-13 CGCG 175-20 PGC 19719
NGC 2290	H897-3	Glxy (R)SAa:	14.2	UGC 3562 MCG 6-15-12 CGCG 175-19 PGC 19718
NGC 2289	H898-3	Glxy S0	13.2	UGC 3560 MCG 6-15-10 CGCG 175-18 PGC 19716
NGC 2288		Glxy	15.3	IC 2173 PGC 19714 MCG 6-15-11 CGCG 175-17
NGC 2395	H11-8	Open Cl 10.0 IV 2 m	8	
NGC 2393		Glxy Sc	14.7	UGC 3884 MCG 6-17-14 CGCG 177-27 IRAS 7267+3407 KUG 726+341 PGC 21154
NGC 2392	H45-4	PI Neb 3b+3b	9.9	Eskimo Nebula PGC 21128
NGC 2389	H901-3	Glxy SAB(rs)c	13.4	UGC 3872 MCG 6-17-11 CGCG 177-24 KUG 725+339 PGC 21109
NGC 2388	H900-3	Glxy S?	14.7	UGC 3870 MCG 6-17-10 CGCG 177-22 IRAS 7256+3355 PGC 21099
NGC 2385	H703-3	Glxy Sb	15.2	MCG 6-17-8 CGCG 177-20 PGC 21080
NGC 2378		Glxy SA0:	14.5	NGC 2379 PGC 21036 UGC 3857 MCG 6-17-6 CGCG 177-18 ARAK132
NGC 2376		Glxy Sbc	14.8	MCG 4-18-17 CGCG 117-39 IRAS 7235+2310 PGC 21015
NGC 2375		Glxy SB(s)b	14.4	UGC 3854 MCG 6-17-5 CGCG 177-17 IRAS 7238+3356 PGC 21035
NGC 2435	H616-2	Glxy Sa	13.7	UGC 3996 MCG 5-19-2 CGCG 147-62 CGCG 148-4 PGC 21676
NGC 2420	H1-6	Open Cl 11.0 I 1 r	8.3	
NGC 2418		Glxy E	13.2	UGC 3931 MCG 3-20-8 CGCG 87-17 ARP 165 PGC 21382
NGC 2411		Glxy E?	14.6	UGC 3914 MCG 3-20-5 CGCG 87-13 PGC 21315
NGC 2410		Glxy SBb?	13.8	UGC 3917 MCG 5-18-23 CGCG 147-43 CGCG 177-35 IRAS 7318+3255 PGC 21336
NGC 2407		Glxy S0-:	14.4	UGC 3896 MCG 3-20-1 CGCG 86-42 CGCG 87-3 PGC 21220
NGC 2406		Glxy E/S0	14.9	MCG 3-19-21 CGCG 86-41 CGCG 87-2 PGC 21218
NGC 2405		Glxy S	14.8	MCG 4-18-26 CGCG 117-51 VV 643 PGC 21224
NGC 2398		Glxy Sb	15.3	MCG 4-18-23 CGCG 117-48 PGC 21165
NGC 2498		Glxy SBa:	14.3	UGC 4142 MCG 4-19-15 CGCG 118-34 IRAS 7566+2507 PGC 22403
NGC 2492		Glxy S0-:	13.7	UGC 4138 MCG 5-19-28 CGCG 148-80 PGC 22397
NGC 2490		Glxy C	15.3	MCG 5-19-27 CGCG 148-78 PGC 22382
NGC 2487		Glxy SBb	13.2	UGC 4126 MCG 4-19-12 CGCG 118-30 IRAS 7553+2517 PGC 22343
NGC 2486		Glxy Sa	14.2	UGC 4123 MCG 4-19-11 CGCG 118-29 PGC 22317
NGC 2481	H302-2	Glxy S?	13.9	UGC 4118 MCG 4-19-10 CGCG 118-27 PGC 22292
NGC 2480		Glxy SB?	14.7	UGC 4116 MCG 4-19-9 CGCG 118-26 IRAS 7541+2354 PGC 22289
NGC 2454		Glxy S	14.8	UGC 4053 MCG 3-20-15 CGCG 87-44 ARAK143 PGC 21963
NGC 2450		Glxy Sbc	15.4	MCG 5-19-8 CGCG 148-22 PGC 21807
NGC 2449		Glxy Sab	14.3	UGC 4026 MCG 5-19-7 CGCG 148-20 PGC 21802
NGC 2373		Glxy S?	14.7	UGC 3848 MCG 6-17-4 CGCG 177-14 ARAK131 IRAS 7233+3355 KUG 723+339 PGC 21016
NGC 2371	H316-2	PI Neb 3a+2	13	NGC 2372
NGC 2370		Glxy SB?	14.6	UGC 3835 MCG 4-18-15 CGCG 117-36 IRAS 7220+2352 PGC 20955

## Gemini - The Twins

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 2365		Glxy SABa	13.3	UGC 3821 MCG 4-18-8 CGCG 117-20 PGC 20838
NGC 2357		Glxy Scd:	14	UGC 3782 MCG 4-17-14 CGCG 116-46 IRAS 7146+2326 PGC 20592
NGC 2355	H6-6	Open Cl 13.0 II 2 m	9.7	
NGC 2342		Glxy S pec	13.1	UGC 3709 MCG 3-19-4 CGCG 86-7 PGC 20265
NGC 2341		Glxy Pec	13.8	UGC 3708 MCG 3-19-3 CGCG 86-6 IRAS 7063+2043 PGC 20259
IC 2156		Open Cl cluster?		
IC 2201		Glxy Sa	14.9	UGC 3926 MCG 6-17-20 CGCG 177-36 PGC 21372
IC 2199		Glxy SB?	14.1	UGC 3915 MCG 5-18-22 CGCG 147-42 IRAS 7317+3123 PGC 21328
IC 2198		Glxy	15.3	CGCG 117-54 PGC 21298
IC 2197		Glxy S	15.4	
IC 2196		Glxy E	13.7	UGC 3910 MCG 5-18-21 CGCG 147-40 PGC 21300
IC 2194		Glxy Sb	15.1	MCG 5-18-20 CGCG 147-39 PGC 21285
IC 2193		Glxy Sb	14.2	IC 2192 UGC 3902 MCG 5-18-18 CGCG 147-37 IRAS 7301+3135 PGC 21276
IC 2191		Glxy L	15.1	MCG 4-18-24 CGCG 117-47 PGC 21163
IC 2187		Glxy	14.8	MCG 4-18-10 CGCG 117-25 PGC 20857
MINK 1-7		PI Neb 2	13.4	PK 189+7.1 Minkowski 1-7
MAC 0749+2857		Glxy	16	
MAC 0748+2854		Glxy	16	
MAC 0748+2853		Glxy	16	
MAC 0729+1953		Glxy	15	
MAC 0729+1952		Glxy	15	
MAC 0724+3243		Glxy	15	
MAC 0722+3227		Glxy	16	
MAC 0714+1856		Glxy	16	unidentified IC 2182 next to object
MAC 0708+3241		Glxy	16.5	
J 900		PI Neb 3b+2	12.4	PK 194+2.1 Jonckheere 900
IC 2215		Open Cl		
IC 2213		Glxy S	15.4	MCG 5-19-25 CGCG 148-76 PGC 22372
IC 2212		Glxy S	15.6	MCG 5-19-24 CGCG 178-13 PGC 22371
IC 2211		Glxy Sa	14.6	UGC 4119 MCG 5-19-23 CGCG 178-10 IRAS 7546+3241 PGC 22314
IC 2207		Glxy Scd:	15.2	UGC 4040 MCG 6-17-29 CGCG 177-49 IRAS 7466+3405 PGC 21918
IC 2205		Glxy	15.2	CGCG 148-15 PGC 21773
IC 2204		Glxy (R)SB(r)ab	15.9	UGC 3965 MCG 6-17-26 CGCG 177-43 IRAS 7380+3420 PGC 21581
IC 2203		Glxy SBcd	14.3	UGC 3958 MCG 6-17-25 CGCG 177-42 IRAS 7373+3420 PGC 21555
IC 2178		Glxy	15.7	CGCG 146-26 PGC 20196
IC 2180		Glxy Sab	14.5	UGC 3727 CGCG 116-27 PGC 20344
IC 2181		Glxy Sab	14.5	UGC 3744 MCG 3-19-5 CGCG 86-8 PGC 20417
IC 2186		Glxy S	14.3	IC 2188 MCG 4-18-11 CGCG 117-26 PGC 20858
IC 2185		Glxy S?	15.3	MCG 5-18-8 CGCG 177-4 CGCG 147-15 ARAK129 IRAS 7200+3235 KUG 720+325 PGC 20889
IC 2176		Glxy S	15.2	MCG 5-17-11 CGCG 146-25 PGC 20193
IC 2157		Open Cl 12.0 II 1 p	8.4	
PGC 19586		Glxy SBcd:	14.7	UGC 3537 MCG 6-15-6 CGCG 175-14
PGC 20239		Glxy Sd	14.6	UGC 3694 MCG 5-17-13 CGCG 146-29
PGC 20562		Glxy Scd:	14.6	UGC 3777 MCG 5-17-20 CGCG 146-44 IRAS 7135+2956
PGC 20586		Glxy S	15.4	UGC 3779 MCG 6-16-36 CGCG 176-37 KUG 714+340

## Gemini - The Twins

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 20881		Glxy SB?	14.5	UGC 3827 MCG 4-18-13 CGCG 117-29 IRAS 7201+2218
PGC 21885		Glxy S	15.7	MCG 5-19-12 CGCG 148-35
PGC 21881		Glxy S	15.3	MCG 5-19-11 CGCG 148-34
PGC 21870		Glxy L	15	MCG 5-19-10 CGCG 148-31
PGC 21678		Glxy L	15.5	MCG 5-19-3 CGCG 147-63 CGCG 148-5
PGC 21673		Glxy S pec	13.3	UGC 3995 MCG 5-19-1 CGCG 147-61 CGCG 148-3 ANON 741+29
PGC 21390		Glxy	15.7	CGCG 177-37
PGC 21324		Glxy S?	15.5	UGC 3913 MCG 6-17-19 CGCG 177-34
PGC 21278		Glxy S	15.4	MCG 5-18-17 CGCG 177-32 CGCG 147-35
PGC 21226		Glxy	15.6	CGCG 147-32
PGC 22435		Glxy	15.9	CGCG 148-85
PGC 22401		Glxy	15.6	CGCG 148-81
PGC 21900		Glxy S	15.2	UGC 4038 MCG 5-19-13 CGCG 148-37
PGC 21200		Glxy S?	15.3	MCG 5-18-16 MK 1407 CGCG 147-30
PGC 21136		Glxy Sdm:	15	UGC 3879 MCG 6-17-12 CGCG 177-25 KUG 726+337
PGC 21128		Glxy Sb	14.9	MCG +3-19-18 CGCG 86-35
PGC 21100		Glxy Scd:	14.5	UGC 3873 MCG 3-19-17 CGCG 86-34 IRAS 7259+2041
PGC 21047		Glxy SB	15.2	MCG 3-19-15 CGCG 86-30
PGC 20938		Glxy S?	15	UGC 3833 MCG 5-18-10 CGCG 147-18 CGCG 177-10 KUG 721+329
PGC 20929		Glxy	15.6	CGCG 177-8 CGCG 147-17
PGC 20924		Glxy S	15.2	MCG 5-18-9 CGCG 177-7 CGCG 147-16
PGC 20695		Glxy Sa:	14.8	UGC 3803 MCG 4-18-2 CGCG 117-9
PGC 20585		Glxy S?	14.9	UGC 3780 MCG 6-16-35 CGCG 176-38 IRAS 7141+3410 KUG 714+341
PGC 20559		Glxy S?	14.3	UGC 3776 MCG 6-16-34 CGCG 176-36 IRAS 7133+3404 KUG 713+340

**Sub Total: 133****Total: 153**

## Grus - The Crane

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 7072A		Glxy SAB(s)c:	14.3	ESO 287-29 MCG -7-44-17 PGC 66870
NGC 7070		Glxy SA(s)cd	12.8	ESO 287-28 MCG -7-44-16 IRAS 21272-4318 PGC 66869
NGC 7075		Glxy E+?	13.8	ESO 343-4 MCG -7-44-20 PGC 66895
IC 5114		Non-Existent		
NGC 7079		Glxy SB(s)0^	12.5	ESO 287-36 MCG -7-44-22 PGC 66934
NGC 7070A		Glxy I0	13.3	ESO 287-34 MCG -7-44-21 PGC 66909
NGC 7072		Glxy SAB(s)d?	14.3	ESO 287-31 MCG -7-44-18 IRAS 21273-4322 PGC 66874
NGC 7091		Glxy SB(s)dm:	13.4	IC 5114 PGC 66972 ESO 403-8 MCG -6-47-7
NGC 7119B		Non-Existent		NGC 7119-2 PGC 67322 ESO 288-1 IRAS 21430-4644
NGC 7118		Glxy SA0- pec:	13.5	ESO 236-45 PGC 67318
NGC 7117		Glxy SA(s)0-:	13.8	ESO 236-40 PGC 67303
IC 5128		Glxy (R)SB0+	14	ESO 343-22 MCG -7-44-35 IRAS 21401-3911 PGC 67232
NGC 7107		Glxy SB(s)m	13.3	ESO 287-52 IRAS 21392-4501 PGC 67209
NGC 7097A		Glxy E:	15.1	ESO 287-49 MCG -7-44-30 PGC 67160
NGC 7097		Glxy E5	12.6	ESO 287-48 MCG -7-44-29 PGC 67146
NGC 7095		Glxy S0?	15	ESO 287-42 PGC 67075
NGC 7087		Glxy SB(s)ab:	13.7	ESO 343-8 MCG -7-44-25 IRAS 21314-4102 PGC 66988
NGC 7162A		Glxy SAB(s)m	13.1	ESO 288-28 MCG -7-45-5 PGC 67818
NGC 7166		Glxy SA0-	12.9	ESO 288-27 MCG -7-45-4 PGC 67817
NGC 7162		Glxy SA(s)c	13.3	ESO 288-26 MCG -7-45-3 IRAS 21565-4332 PGC 67795
IC 5148		PI Neb 4	12.9	IC 5150 ESO 344-5 PK 2-52.1
IC 5150		Non-Existent		IC 5150
NGC 7145		Glxy E0	12	ESO 237-13 PGC 67583
NGC 7144		Glxy E0	11.7	ESO 237-11 PGC 67557
NGC 7119A		Non-Existent		NGC 7119-1 PGC 67325 ESO 288-2
NGC 7119		Glxy SBbc	12.8	
IC 5201		Glxy SB(rs)cd	11.3	ESO 289-18 IRAS 22179-4617 PGC 68618
NGC 7249		Glxy SA0^:	14.4	ESO 190-1 PGC 68606
IC 5199		Glxy SAB: sp	15	ESO 344-20 MCG -6-49-2 IRAS 22166-3747 PGC 68574
IC 5186		Glxy (R')SAB(rs)b:	12.5	ESO 405-7 MCG -6-49-1 IRAS 22158-3703 PGC 68548
IC 5184		Non-Existent		IC 5179 IC 5184 IC 5183 ESO 405-5 MCG -6-48-31 IRAS 22132-3705 PGC 68455
IC 5183		Non-Existent		IC 5183 IC 5184 IC 5179 ESO 405-5 MCG -6-48-31 IRAS 22132-3705 PGC 68455
IC 5179		Glxy Sbc	11.5	IC 5184 IC 5183 ESO 405-5 MCG -6-48-31 IRAS 22132-3705 PGC 68455
NGC 7232B		Glxy SB(s)m	13.9	ESO 289-9 PGC 68443
NGC 7232		Glxy SB(rs)a:	13	ESO 289-7 PGC 68431
NGC 7410		Glxy SB(s)a	11.2	ESO 346-12 MCG -7-47-2 IRAS 22522-3955 PGC 69994
NGC 7400		Glxy Sbc	13.6	ESO 290-22 IRAS 22514-4536 PGC 69967
NGC 7404		Glxy SAB(s)0-?	12.8	IC 5260 PGC 69964 ESO 346-10 MCG -7-47-1
IC 5260		Non-Existent		ESO 346-10 MCG -7-47-1 PGC 69964
NGC 7382		Glxy (R')SAa? sp	14.5	ESO 406-15 MCG -6-50-5 IRAS 22476-3707 PGC 69840
NGC 7368		Glxy SB(s)b? sp	13.1	ESO 345-49 MCG -7-46-10 IRAS 22426-3936 PGC 69661
NGC 7355		Glxy SAB(rs)b:	15.1	ESO 406-6 PGC 69587
IC 5240		Glxy SB(r)a	12.8	ESO 290-2 IRAS 22388-4501 PGC 69521
IC 5239		Non-Existent		ESO 345-38 PGC 69471

## Grus - The Crane

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 7658B		Non-Existent		NGC 7658-2 PGC 71432 ESO 347-16 MCG -7-48-3
NGC 7658A		Non-Existent		NGC 7658-1 PGC 71433 ESO 347-15 MCG -7-48-2
NGC 7658		Glxy S0	14.3	
NGC 7632		Glxy (R')SB(s)0 <sup>+</sup> :	13	IC 5313 PGC 71213 ESO 291-21 MCG -7-47-35 IRAS 23192-4245
IC 5313		Non-Existent		ESO 291-21 MCG -7-47-35 IRAS 23192-4245 PGC 71213
NGC 7599		Glxy SA(s)c	12.1	IC 5308 PGC 71066 ESO 347-34 MCG -7-47-33 IRAS 23166-4231
IC 5308		Non-Existent		ESO 347-34 MCG -7-47-33 IRAS 23166-4231 PGC 71066
NGC 7590		Glxy SA(rs)bc:	12.1	ESO 347-33 MCG -7-47-30 IRAS 23161-4230 PGC 71031
NGC 7582		Glxy (R')SB(s)ab	11.4	ESO 291-16 MCG -7-47-29 IRAS 23156-4238 PGC 71001
NGC 7552		Glxy (R')SB(s)ab	11.3	IC 5294 PGC 70884 ESO 291-12 MCG -7-47-28 VV 440 IRAS 23134-4251
IC 5294		Non-Existent		ESO 291-12 MCG -7-47-28 VV 440 IRAS 23134-4251 PGC 70884
NGC 7545		Glxy (R')SB(s)b pec?	13.8	ESO 347-4 MCG -7-47-26 IRAS 23127-3848 PGC 70840
NGC 7531		Glxy SAB(r)bc	12	ESO 291-10 MCG -7-47-25 IRAS 23120-4352 PGC 70800
NGC 7496A		Glxy SB(s)m	14.6	
NGC 7496B		Glxy S	15.2	
NGC 7496		Glxy SB(s)b	11.9	ESO 291-1 MCG -7-47-20 VV 771 IRAS 23069-4341 PGC 70588
NGC 7470		Glxy SA(s)bc pec	14.3	ESO 239-9 IRAS 23023-5023 PGC 70431
NGC 7476		Glxy (R')SB(r)ab:	13.6	ESO 290-45 MCG -7-47-15 IRAS 23023-4322 PGC 70427
NGC 7462		Glxy SB(s)bc? sp	12.5	ESO 346-28 MCG -7-47-13 IRAS 23000-4105 PGC 70324
NGC 7456		Glxy SA(s)cd:	12.4	ESO 346-26 MCG -7-47-11 IRAS 22594-3950 PGC 70304
IC 5273		Glxy SB(rs)cd:	11.8	ESO 346-22 MCG -6-50-20 IRAS 22566-3758 PGC 70184
NGC 7424		Glxy SAB(rs)cd	11	ESO 346-19 MCG -7-47-8 IRAS 22544-4120 PGC 70096
IC 5267		Glxy SA(s)0/a	11.4	ESO 290-29 MCG -7-47-7 IRAS 22543-4339 PGC 70094
IC 1459		Glxy E3	10	IC 5265 IC 1459 ESO 406-30 MCG -6-50-16 IRAS 22544-3643 PGC 70090
IC 5265		Non-Existent		IC 5265 IC 1459 ESO 406-30 MCG -6-50-16 IRAS 22544-3643 PGC 70090
NGC 7412A		Glxy SBdm: sp	14.5	ESO 290-28 PGC 70089
IC 5267B		Glxy S0 <sup>+</sup> :	12.7	ESO 290-27 MCG -7-47-6 PGC 70085
NGC 7421		Glxy SB(rs)bc	12.6	ESO 346-17 MCG -6-50-15 IRAS 22541-3736 PGC 70083
IC 5264		Glxy Sab pec sp	13.4	ESO 406-29 MCG -6-50-14 IRAS 22540-3649 PGC 70081
NGC 7418A		Glxy SA(rs)d:	13.8	ESO 406-27 MCG -6-50-11B PGC 70075
NGC 7418		Glxy SAB(rs)cd	11.6	ESO 406-25 MCG -6-50-13 IRAS 22538-3717 PGC 70069
IC 5267A		Glxy SAB(s)bc?	13.9	ESO 290-26 MCG -7-47-5 PGC 70036
IC 5269A		Glxy SB(s)m:	13.9	ESO 406-23 MCG -6-50-11A PGC 70039
NGC 7412		Glxy SB(s)b	11.9	ESO 290-24 MCG -7-47-4 IRAS 22529-4254 PGC 70027
NGC 7334		Non-Existent		NGC 7322 PGC 69365 ESO 405-33 MCG -6-49-10
NGC 7322		Glxy S0-a	13.6	
NGC 7307		Glxy SB(s)cd pec:	12.9	ESO 345-26 MCG -7-46-3 IRAS 22309-4111 PGC 69161
NGC 7299		Glxy SB(rs)c?	14.7	ESO 345-19 MCG -6-49-8 PGC 69060
NGC 7297		Glxy SA(s)bc:	14.4	ESO 345-18 MCG -6-49-7 IRAS 22282-3804 PGC 69046
IC 5224		Glxy Sab? sp	14.4	ESO 289-31 PGC 69011
IC 5212		Glxy Sbc:	14.6	ESO 345-6 PGC 68739
IC 5209		Glxy S	15.6	ESO 345-4 PGC 68722
NGC 7232A		Glxy SB(rs)ab sp	13.9	ESO 289-3 IRAS 22105-4608 PGC 68329
IC 5181		Glxy SA0 sp	12.5	ESO 289-1 PGC 68317
IC 5175		Glxy S?	15	ESO 344-14 MCG -6-48-29 PGC 68296

## Grus - The Crane

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 5174		Glxy SB(s)b pec	15	ESO 344-13 MCG -6-48-28 PGC 68292
IC 5170		Glxy SABa: sp	13.3	ESO 237-46 IRAS 22093-4728 PGC 68284
IC 5171		Glxy SAB(rs)bc: sp	13.4	ESO 288-46 IRAS 22078-4619 ANON 2207-46 PGC 68223
NGC 7213		Glxy SA(s)a:	11	ESO 288-43 IRAS 22061-4724 PGC 68165
NGC 7169		Glxy SAB0- sp:	14.5	ESO 237-28 PGC 67913
<b>Sub Total: 94</b>				

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 7233		Glxy SAB(s)0/a	13.1	ESO 289-8 IRAS 22127-4605 PGC 68441
<b>Sub Total: 1</b>				
<b>Total: 95</b>				

## Hercules - The Son of Zeus

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 1156		Glxy E	14.5	MCG 3-41-25 CGCG 108-44 PGC 56650
IC 1162		Glxy SAB(s)bc	15.3	MCG 3-41-34 CGCG 108-56 VV 452 KUG 1559+178 PGC 56693
NGC 6028		Glxy (R)SA0+:	14.4	NGC 6046 PGC 56716 UGC 10135 MCG 3-41-43 CGCG 108-63 1ZW133
IC 1165		Non-Existent		IC 1165A
NGC 6034		Glxy E+	14.6	MCG 3-41-62 CGCG 108-84 PGC 56877
NGC 6040A		Non-Existent		NGC 6040
NGC 6046	H33-3	Non-Existent		
NGC 6043B		Glxy C	15.2	
NGC 6062B		Glxy Sc	15.8	MCG 3-41-122 IRAS 16041+1954 PGC 57146
IC 1190		Non-Existent		
NGC 6061		Glxy SA0-	14.7	UGC 10199 MCG 3-41-118 CGCG 108-145 PGC 57137
IC 1189		Glxy (R)SB(rs)0/a	14.5	MCG 3-41-119 MK 300 CGCG 108-144 IRAS 16040+1818 KUG 1604+183 PGC 57135
IC 1184		Non-Existent		IC 1183
IC 1176		Non-Existent		MCG 3-41-100 CGCG 108-122 PGC 57075
NGC 6053		Non-Existent		STAR
IC 1180		Non-Existent		(STAR)
NGC 6050A		Glxy SBc	14.1	
IC 1219		Glxy S0	15.1	UGC 10371 MCG 3-42-5 CGCG 109-12 IRAS 16222+1936 PGC 58037
NGC 6132		Glxy Sab	14.5	UGC 10363 MCG 2-42-2 CGCG 80-20 IRAS 16213+1153 PGC 58002
IC 4602		Non-Existent		
NGC 6141		Glxy		MCG 7-34-23 PGC 58077
NGC 6113		Glxy S0	14.8	MCG 2-41-24 CGCG 80-4 PGC 57807
IC 1209		Glxy S0-	14.3	UGC 10329 MCG 3-41-149 CGCG 108-174 CGCG 109-2 PGC 57796
IC 1206		Glxy Sab	14.5	UGC 10293 MCG 2-41-23 CGCG 79-87 PGC 57623
NGC 6084		Glxy Sa sp	14.9	UGC 10291 MCG 3-41-143 CGCG 108-168 PGC 57575
IC 1205		Glxy Sa	14.8	MCG 2-41-22 CGCG 79-84 IRAS 16118+939 PGC 57574
NGC 6175	H641-3	Glxy Double System	14.7	UGC 10422 MCG 7-34-87 CGCG 224-50 PGC 58362
NGC 6174		Non-Existent		MCG 7-34-85 4ZW63 PGC 58351
IC 1220		Non-Existent		
NGC 6166B		Glxy S?	14.9	
NGC 6166D		Glxy S0	14.8	
NGC 6166A		Glxy S0	15	
NGC 6166C		Glxy E	14.5	
NGC 6160	H652-2	Glxy E	14.2	UGC 10400 MCG 7-34-42 CGCG 224-32 PGC 58199
NGC 6158	H647-2	Glxy E/S0	14.7	MCG 7-34-41 CGCG 224-31 PGC 58198
NGC 6201		Glxy	15.5	CGCG 138-53 PGC 58727
NGC 6199		Non-Existent		STAR ESO 353-31 PGC 58655
IC 4616		Non-Existent		MCG 6-36-59 CGCG 196-89 PGC 58655
IC 4615		Non-Existent		UGC 10482 MCG 6-36-58 CGCG 196-88 PGC 58644
IC 4613		Non-Existent		
IC 1223		Glxy SB	15.3	MCG 8-30-33 CGCG 251-32 PGC 58567
IC 1221		Glxy Sd	14.4	UGC 10458 MCG 8-30-30 CGCG 251-30 PGC 58528
IC 4612		Glxy S?	14.7	IC 4612 IC 4610 MCG 7-34-113 CGCG 224-72 1ZW157 KUG 1632+393B PGC 58505
IC 4611		Glxy		

## Hercules - The Son of Zeus

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 1262		Glxy E	14.7	UGC 10900 MCG 7-36-20 CGCG 226-25 PGC 60479
NGC 6389	H901-2	Glxy Sbc	12.8	UGC 10893 MCG 3-45-1 CGCG 112-5 IRAS 17304+1626 KARA812 PGC 60466
NGC 6379		Glxy Scd:	13.7	UGC 10886 MCG 3-44-10 CGCG 111-44 CGCG 112-2 IRAS 17283+1619 PGC 60421
NGC 6375		Glxy E	14.3	UGC 10875 MCG 3-44-9 CGCG 111-42 PGC 60384
NGC 6372	H137-3	Glxy Sb? pec	13.7	UGC 10861 MCG 4-41-13 CGCG 140-28 IRAS 17255+2630 PGC 60330
NGC 6371		Glxy Sb	15.2	MCG 4-41-12 CGCG 140-27 PGC 60322
NGC 6367		Glxy S	14.9	MCG 6-38-20 CGCG 198-41 PGC 60251
NGC 6364		Glxy S0	13.9	UGC 10835 MCG 5-41-13 CGCG 170-27 PGC 60228
IC 1256		Glxy Sb	14	UGC 10829 MCG 4-41-7 CGCG 140-17 IRAS 17217+2631 KARA805 PGC 60203
NGC 6363		Glxy E	14.3	UGC 10827 MCG 7-36-5 CGCG 226-8 PGC 60164
NGC 6353		Non-Existent		
NGC 6347		Glxy SBb	14.5	IC 1253 PGC 60086 UGC 10807 MCG 3-44-4 CGCG 111-21 IRAS 17176+1642 KARA800
IC 1253		Non-Existent		
NGC 6351		Glxy		MCG 6-38-17 PGC 60063
NGC 6349		Glxy S?	15.9	MCG 6-38-16 CGCG 198-36 PGC 60060
NGC 6350		Glxy S0	14.2	UGC 10800 MCG 7-35-64 CGCG 225-99 CGCG 226-1 PGC 60046
NGC 6348		Glxy Sb	15.5	MCG 7-35-63 CGCG 225-98 PGC 60036
NGC 6343		Glxy C	14.5	MCG 7-35-60 CGCG 225-95 PGC 60010
NGC 6339		Glxy SBd	13.3	UGC 10790 MCG 7-35-59 CGCG 225-92 IRAS 17155+4053 PGC 60003
NGC 6336		Glxy SAB(s)a	14.5	UGC 10786 MCG 7-35-57 CGCG 225-89 PGC 59976
IC 4648		Non-Existent		(STAR)
NGC 6330		Glxy SBb	14.8	UGC 10776 MCG 5-41-5 CGCG 170-7 IRAS 17138+2927 PGC 59961
NGC 6332		Glxy Sa	14.5	UGC 10773 MCG 7-35-54 CGCG 225-82 PGC 59927
IC 1249		Glxy	14.9	CGCG 198-26 PGC 59919
IC 4645		Glxy	15.7	CGCG 225-80 PGC 59915
NGC 6321		Glxy SB(rs)bc	14.2	UGC 10768 MCG 3-44-2 CGCG 111-15 IRAS 17122+2022 PGC 59900
IC 1246		Non-Existent		(STAR)
NGC 6329		Glxy E	13.8	UGC 10771 MCG 7-35-51 CGCG 225-77 PGC 59894
NGC 6327		Glxy C	16	CGCG 225-74 PGC 59889
NGC 6323		Glxy Sab	14.9	UGC 10764 MCG 7-35-48 CGCG 225-71 PGC 59868
NGC 6320		Glxy Sbc	14.6	UGC 10761 MCG 7-35-44 CGCG 225-67 PGC 59852
NGC 6315		Glxy SB(s)c:	14.2	MCG 4-40-23 CGCG 139-45 PGC 59843
NGC 6314		Glxy SA(s)a: sp	13.8	UGC 10752 MCG 4-40-22 CGCG 139-44 IRAS 17105+2319 PGC 59838
IC 1245		Glxy S0	14.7	UGC 10755 MCG 6-38-7 CGCG 198-22 PGC 59835
NGC 6308		Glxy SAB(rs)c:	14.1	UGC 10747 MCG 4-40-21 CGCG 139-43 IRAS 17099+2326 PGC 59807
NGC 6312		Glxy C	15.2	MCG 7-35-40 CGCG 225-60 PGC 59751
NGC 6311		Glxy E	14.5	UGC 10741 MCG 7-35-39 CGCG 225-59 PGC 59750
IC 1244		Glxy Sb	14.6	UGC 10739 MCG 6-38-3 CGCG 198-15 PGC 59746
NGC 6313		Glxy Sab	14.8	UGC 10742 MCG 8-31-25 CGCG 252-22 IRAS 17090+4823 PGC 59739
NGC 6301	H57-4	Glxy Scd:	14.1	IC 4643 PGC 59681 UGC 10723 MCG 7-35-34 CGCG 225-49 IRAS 17069+4224
IC 4643		Non-Existent		UGC 10723 MCG 7-35-34 CGCG 225-49 IRAS 17069+4224 PGC 59681
IC 4639		Glxy		
IC 4638		Glxy CB	15.5	MCG 6-37-21 CGCG 197-26 PGC 59446
NGC 6278	H124-3	Glxy S0	13.4	UGC 10656 MCG 4-40-11 CGCG 139-29 PGC 59426

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Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 1239		Non-Existent		
NGC 6282		Glxy SBbc	15.1	CGCG 169-29 PGC 59418
NGC 6277		Non-Existent		STAR KUG 139+339 PGC 59419
NGC 6276		Glxy S0	14.6	
IC 1238		Non-Existent		(STAR)
NGC 6283	H728-3	Glxy S	13.7	UGC 10652 MCG 8-31-18 CGCG 252-14 IRAS 16581+4959 PGC 59386
NGC 6274		Glxy Double System	14.5	UGC 10643 MCG 5-40-19 CGCG 169-24 PGC 59383
NGC 6279		Glxy SB0	14.6	UGC 10645 MCG 8-31-17 CGCG 252-13 PGC 59370
IC 4636		Non-Existent		
NGC 6272		Glxy Spiral	15.4	CGCG 169-22 PGC 59367
NGC 6271		Glxy S0?	15	MCG 5-40-16 CGCG 169-21 PGC 59365
NGC 6270		Glxy S0	13.3	MCG 5-40-15 PGC 59362
IC 4632		Non-Existent		
IC 1236		Glxy SAB(s)c	14.2	UGC 10633 MCG 3-43-10 CGCG 110-19 VV 442 IRAS 16563+2006 PGC 59350
NGC 6265		Glxy S0	15.2	UGC 10624 MCG 5-40-11 CGCG 169-17 PGC 59315
NGC 6264		Glxy S?	15.4	MCG 5-40-9 CGCG 169-15 PGC 59306
NGC 6263		Glxy E	14.7	NGC 6138 PGC 59292 UGC 10618 MCG 5-40-8 CGCG 169-14
NGC 6261		Glxy S0/a	15	UGC 10617 MCG 5-40-6 CGCG 169-13 PGC 59286
NGC 6257		Glxy	15.6	CGCG 225-12 PGC 59274
IC 4630		Glxy S?	14.5	UGC 10607 MCG 4-40-7 MK 1111 CGCG 139-20 VV 852 IRAS 16531+2644 PGC 59257
NGC 6255	H689-3	Glxy SBcd:	13.4	UGC 10606 MCG 6-37-14 CGCG 197-18 IRAS 16530+3634 KARA775 KUG 1653+365 PGC 59244
NGC 6243		Glxy Sa	15	UGC 10591 MCG 4-40-4 CGCG 139-13 PGC 59161
IC 4624		Glxy D	15.5	CGCG 110-13 PGC 59131
IC 4623		Glxy S	15.4	MCG 4-40-3 CGCG 139-8 PGC 59115
IC 4621		Glxy Sab	14.7	UGC 10576 MCG 1-43-4 CGCG 53-15 IRAS 16484+852 PGC 59104
NGC 6230		Glxy E?	15.5	UGC 10575 MCG 1-43-5 CGCG 53-14 PGC 59106
NGC 6233		Glxy S0	14.3	UGC 10573 MCG 4-40-2 CGCG 139-7 PGC 59086
IC 1232		Non-Existent		
IC 4620		Glxy		
NGC 6669		Non-Existent		STAR MCG 4-5-13 PGC 62160
NGC 6661		Glxy S0-a	12.3	NGC 6660 PGC 62072 UGC 11282 MCG 4-44-3 CGCG 143-3 IRAS 18324+2252
NGC 6660		Non-Existent		
NGC 6658		Glxy S0 sp	14	UGC 11274 MCG 4-44-2 CGCG 143-2 PGC 62052
NGC 6659		Non-Existent		
NGC 6641		Glxy S?	14.3	UGC 11250 MCG 4-43-35 CGCG 142-49 IRAS 18268+2252 PGC 61935
NGC 6635		Glxy S0 pec:	14.5	UGC 11239 MCG 2-47-3 PGC 61900
NGC 6632		Glxy SA(rs)bc	12.9	UGC 11226 MCG 5-43-18 CGCG 172-32 IRAS 18230+2730 PGC 61849
NGC 6627		Glxy (R')SB(s)b	14.3	UGC 11212 MCG 3-47-1 CGCG 114-4 IRAS 18203+1540 PGC 61792
NGC 6628		Glxy S0?	13.9	UGC 11211 MCG 4-43-29 CGCG 142-41 IRAS 18202+2327 PGC 61790
NGC 6623		Glxy E	14.3	UGC 11203 MCG 4-43-26 CGCG 142-40 PGC 61739
NGC 6619		Glxy E?	14	UGC 11200 MCG 4-43-25 CGCG 142-39 PGC 61721
NGC 6616		Glxy Sab	14.7	UGC 11192 MCG 4-43-22 CGCG 142-36 IRAS 18155+2213 PGC 61693
NGC 6610		Non-Existent		
NGC 6602		Glxy S	14.6	UGC 11184 MCG 4-43-21 CGCG 142-35 IRAS 18145+2501 PGC 61674

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Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 1285		Non-Existent		(STAR)
NGC 6599		Non-Existent		NGC 6600 PGC 61655 UGC 11178 MCG 4-43-19 CGCG 142-31
NGC 6600		Glxy		
IC 1282		Non-Existent		(STAR)
NGC 6591		Glxy		PGC 61610
NGC 6593		Glxy E/S0	15.3	MCG 4-43-18 CGCG 142-30 PGC 61617
NGC 6587		Glxy SAB0-:	13.9	UGC 11166 MCG 3-46-20 CGCG 113-31 PGC 61607
NGC 6586		Glxy S	14.7	UGC 11164 MCG 4-43-16 CGCG 142-28 IRAS 18114+2104 PGC 61600
NGC 6581		Glxy	15.5	IC 1280 PGC 61571 CGCG 142-26
NGC 6580		Glxy E/S0	14.1	UGC 11153 MCG 4-43-12 CGCG 142-22 PGC 61566
NGC 6579		Glxy Triple System	14.5	UGC 11153 MCG 4-43-11 CGCG 142-22 PGC 61562
IC 4697		Glxy S	15.2	MCG 4-43-13 CGCG 142-23 PGC 61560
NGC 6585		Glxy S?	13.8	UGC 11159 MCG 7-37-24 CGCG 227-20 IRAS 18107+3937 PGC 61553
IC 1280		Non-Existent		MCG 4-43-10 CGCG 142-21 PGC 61549
NGC 6577		Glxy E	12.6	UGC 11148 MCG 4-43-9 CGCG 142-17 PGC 61543
NGC 6574		Glxy SAB(rs)bc:	12.8	NGC 6610 PGC 61536 UGC 11144 MCG 2-46-10 CGCG 84-24 CGCG 113-26 IRAS 18095+1458
NGC 6576		Glxy	15.5	CGCG 142-14 PGC 61530
IC 1281		Glxy	15.5	CGCG 200-10 PGC 61527
IC 1279		Glxy Sb	14.3	UGC 11143 MCG 6-40-9 CGCG 200-9 IRAS 18094+3559 PGC 61518
NGC 6575		Glxy E	13.7	UGC 11138 MCG 5-43-6 CGCG 172-9 PGC 61506
IC 1278		Non-Existent		(STAR)
NGC 6582		Glxy C	15.3	MCG 8-33-26 CGCG 254-21 PGC 61490
IC 1277		Glxy Scd:	14.1	UGC 11135 MCG 5-43-5 CGCG 172-8 PGC 61491
IC 4693		Non-Existent		(STAR)
NGC 6564		Non-Existent		
NGC 6550		Non-Existent		
IC 1273		Non-Existent		(STAR)
IC 1272		Non-Existent		(STAR)
NGC 6499		Non-Existent		
NGC 6487		Glxy E	12.9	UGC 11022 MCG 5-42-8 CGCG 171-14 PGC 61039
NGC 6486		Glxy E/S0	14.8	MCG 5-42-6 CGCG 171-12 PGC 61033
IC 1269		Glxy Sbc	13.4	UGC 11013 MCG 4-42-9 CGCG 141-20 IRAS 17499+2134 KARA838 PGC 61023
NGC 6485		Glxy Sbc	13.7	UGC 11014 MCG 5-42-4 CGCG 171-9 IRAS 17500+3128 PGC 61013
NGC 6482		Glxy E:	12.4	UGC 11009 MCG 4-42-8 CGCG 141-17 PGC 61009
NGC 6484		Glxy Sb:	13.1	UGC 11010 MCG 4-42-7 MK 1118 CGCG 141-19 IRAS 17497+2429 PGC 61008
NGC 6467		Glxy S?	13.3	
NGC 6468		Non-Existent		NGC 6467 PGC 60972 UGC 11004 MCG 3-45-35 CGCG 112-58
IC 1268		Glxy Sc	15.1	MCG 3-45-36 CGCG 112-57 IRAS 17484+1713 PGC 60971
NGC 6460		Glxy Scd:	13.8	UGC 10997 MCG 3-45-31 CGCG 112-55 IRAS 17473+2046 PGC 60925
NGC 6458		Glxy S0	14.4	UGC 10994 MCG 3-45-29 CGCG 112-51 PGC 60911
NGC 6452		Glxy	15.3	CGCG 112-43 PGC 60876
NGC 6450		Non-Existent		
NGC 6442		Glxy E	13.6	UGC 10978 MCG 3-45-21 CGCG 112-38 PGC 60844
NGC 6447		Glxy SB?	13.7	UGC 10975 MCG 6-39-19 CGCG 199-19 IRAS 17445+3535 PGC 60829
NGC 6446		Glxy Sa	15.6	MCG 6-39-18 CGCG 199-18 ARAK528 PGC 60825

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Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 6430		Glxy Sab	13.8	
NGC 6443		Glxy Sab	14.7	UGC 10967 MCG 8-32-18 CGCG 253-33 PGC 60783
NGC 6431		Non-Existent		
NGC 6429		Glxy SBa	14	UGC 10960 MCG 4-42-4 CGCG 141-7 IRAS 17420+2522 PGC 60770
NGC 6433		Glxy Sb	14.1	UGC 10962 MCG 6-39-15 CGCG 199-13 IRAS 17422+3649 PGC 60766
NGC 6428		Non-Existent		
NGC 6427		Glxy S0-:	14.3	NGC 6431 PGC 60758 UGC 10957 MCG 4-42-3 CGCG 141-6
NGC 6417		Glxy SB(r)b:	13.9	UGC 10945 MCG 4-42-1 CGCG 141-4 IRAS 17397+2341 PGC 60709
NGC 6408		Glxy SB(rs)a	13.6	UGC 10930 MCG 3-45-7 CGCG 112-17 IRAS 17366+1854 PGC 60637
NGC 6406		Non-Existent		
IC 1265		Glxy Sab	12.3	UGC 10917 MCG 7-36-27 CGCG 226-32 PGC 60568
IC 1264		Glxy SB0?	15	UGC 10904 MCG 7-36-22 CGCG 226-27 PGC 60484
IC 1263		Glxy SB	14.6	UGC 10902 MCG 7-36-21 CGCG 226-26 PGC 60481
NGC 6041		Non-Existent		NGC 6041A
IC 4791		Glxy		
NGC 6697		Glxy E	13.7	UGC 11349 MCG 4-44-14 CGCG 143-21 PGC 62354
NGC 6680		Glxy	15.4	CGCG 143-10 PGC 62210
NGC 6674		Glxy SB(r)b	13	UGC 11308 MCG 4-44-7 CGCG 143-8 IRAS 18365+2519 PGC 62178
NGC 6225		Glxy S0-?	14.8	UGC 10556 MCG 1-43-3 CGCG 53-11 PGC 59024
NGC 6224		Glxy S0-?	14.5	UGC 10555 MCG 1-43-2 CGCG 53-10 PGC 59017
NGC 6228		Glxy S?	14.9	UGC 10558 MCG 4-40-1 CGCG 139-3 VV 791 VV 846 IRAS 16460+2617 PGC 59007
NGC 6219		Glxy L	15	MCG 2-43-1 CGCG 81-4 PGC 58944
IC 4619		Glxy	15.2	CGCG 110-5 PGC 58871
IC 1224		Glxy C	15.4	MCG 3-42-27 CGCG 110-3 PGC 58824
IC 1226		Glxy	15.4	CGCG 251-38 PGC 58754
NGC 6203		Glxy L	15	MCG 4-39-19 CGCG 138-55 PGC 58729
IC 4610		Non-Existent		IC 4612 IC 4610 MCG 7-34-113 CGCG 224-72 1ZW157 KUG 1632+393B PGC 58505
IC 4609		Glxy S	15.3	MCG 4-39-14 CGCG 138-37 PGC 58489
NGC 6184		Glxy Sb	15.1	MCG 7-34-109 CGCG 224-70 KUG 1629+406 PGC 58432
NGC 6168		Glxy Sdm:	14.8	UGC 10434 MCG 3-42-16 CGCG 109-28 IRAS 16291+2017 PGC 58423
NGC 6179		Glxy C	15.9	CGCG 196-73 PGC 58401
NGC 6177	H890-3	Glxy (R')SB(s)b	14.4	UGC 10428 MCG 6-36-49 CGCG 196-72 KUG 1628+351 PGC 58390
NGC 6180		Glxy E?	15.1	MCG 7-34-95 CGCG 224-58 PGC 58386
IC 4607		Glxy		
NGC 6159		Glxy S0-:	15.2	UGC 10397 MCG 7-34-38 CGCG 224-29 PGC 58185
NGC 6149		Glxy S0	14.5	UGC 10391 MCG 3-42-11 CGCG 109-21 PGC 58183
NGC 6148		Glxy		PGC 58162
NGC 6150	H639-3	Glxy E?	15	MCG 7-34-29 CGCG 224-22 PGC 58105
NGC 6150A		Non-Existent		
NGC 6150B		Glxy S0	14.3	
NGC 6147		Glxy Sb	15.9	MCG 7-34-22 PGC 58078
NGC 6138		Non-Existent		NGC 6232 PGC 58070 MCG 7-34-20
NGC 6083		Glxy Sb	15.2	MCG 2-41-20 CGCG 79-80 PGC 57520
IC 1202		Non-Existent		UGC 10272 MCG 2-41-19 CGCG 79-78 PGC 57506

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Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 6075		Glxy E/S0	15.2	MCG 4-38-38 CGCG 137-55 VV 380 PGC 57426
IC 4594		Glxy		
NGC 6074		Glxy	15.3	
NGC 6073	H74-3	Glxy Sc:	14.3	UGC 10235 MCG 3-41-139 CGCG 108-160 IRAS 16078+1649 PGC 57353
IC 1195		Glxy SB(r)bc	15.6	MCG 3-41-126 CGCG 108-151 PGC 57175
IC 1191		Glxy		PGC 57152
IC 1179A		Non-Existent		
NGC 6050B		Glxy SBc	15.4	
IC 1179B		Non-Existent		
IC 1177		Glxy		PGC 57048
IC 1175		Non-Existent		(STAR)
NGC 6052		Non-Existent		NGC 6064
NGC 6045B		Glxy S0	15.5	
NGC 6045A		Glxy SBc	14.1	
IC 1172		Non-Existent		MCG 3-41-84 CGCG 108-110 PGC 57015
IC 1171		Non-Existent		(STAR)
NGC 6040B		Non-Existent		NGC 6039
NGC 6032		Glxy SB(rs)b:	14.3	UGC 10148 MCG 4-38-16 CGCG 137-21 IRAS 16008+2105 PGC 56842
NGC 6030		Glxy S0^	13.7	UGC 10139 MCG 3-41-44 CGCG 108-65 PGC 56750

**Sub Total: 240**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 1144		Glxy S0-:	14.5	UGC 10069 MCG 7-33-1 MK 491 CGCG 223-6 PGC 56216
IC 1170		Glxy L	15.5	UGC 10170 CGCG 108-101 PGC 56955
IC 1178		Glxy S0- pec?	14.1	UGC 10188 MCG 3-41-97 CGCG 108-120 VV 194 ARP 172 PGC 57062
IC 1193		Glxy SAB(s)0+	14.2	PGC 57155
IC 1192		Glxy Sb sp	14.9	PGC 57157
IC 1188		Glxy		PGC 57127
IC 1186		Glxy SB(r)b	15.5	MCG 3-41-111 CGCG 108-133 PGC 57095
IC 1185		Glxy SA(rs)ab:	13.8	MCG 3-41-110 CGCG 108-134 PGC 57096
IC 1183		Glxy SAB0-	14.2	IC 1184 MCG 3-41-103 CGCG 108-128 VV 220 PGC 57086
IC 1182		Glxy SA0+ pec	14.2	UGC 10192 MCG 3-41-104 MK 298 CGCG 108-126 VV 220 KUG 1603+179B PGC 57084
IC 1181		Glxy S0- pec?	15.2	UGC 10189 MCG 3-41-98 CGCG 108-120 VV 194 ARP 172 PGC 57063
IC 1179		Glxy SB(rs)cd	15.4	UGC 10186 MCG 3-41-93 CGCG 108-118 ARP 272 PGC 57053
IC 1230		Glxy S	15.5	UGC 10538 MCG 9-27-73 CGCG 276-41 PGC 58903
IC 1222		Glxy SAB(s)c	14.2	UGC 10461 MCG 8-30-32 CGCG 251-31 ARP 73 IRAS 16336+4618 PGC 58544
IC 1194		Glxy SA(s)0+ pec	14.2	MCG 3-41-128 CGCG 108-152 PGC 57172
IC 1173		Glxy S	14.6	UGC 10180 MCG 3-41-89 CGCG 108-113 PGC 57037
IC 1165B		Glxy S?	15.8	MCG 3-41-49 CGCG 108-67 VV 90 PGC 56768
IC 1152		Glxy E	14.1	UGC 10103 MCG 8-29-24 CGCG 250-25 PGC 56450
IC 1153		Glxy S0	13.6	UGC 10107 MCG 8-29-26 CGCG 250-26 PGC 56462
IC 1165A		Glxy SA0- pec	15.3	IC 1165 MCG 3-41-48 CGCG 108-67 VV 90 PGC 56769
PGC 56741		Glxy SAB(s)b	16	

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Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 56773		Glxy S?	17.5	MCG 3-41-50 VV 92
PGC 56781		Glxy L	16.1	CGCG 108-74
PGC 56783		Glxy		ARP 324
PGC 62231		Glxy Sbc	14.9	UGC 11320 MCG 4-44-10 CGCG 143-15
PGC 60073		Glxy I	14.9	MCG 8-31-42 VV 10 ARP 102
PGC 60070		Glxy SABb pec	14.9	UGC 10814 MCG 8-31-43 CGCG 252-41 VV 10 ARP 102 ANON 1718+49B
PGC 60067		Glxy E0	15.1	MCG 8-31-41 CGCG 252-40 VV 10 ARP 102 ANON 1718+49A
PGC 59984		Glxy S	15.3	MCG 7-35-58 CGCG 225-91
PGC 59114		Glxy	14.8	MCG 8-31-10 VV 271 ARP 208
PGC 59113		Glxy S	15	MCG 8-31-11 VV 271 ARP 208
PGC 59073		Glxy S	14.1	MCG 8-31-4 VV 197 ARP 312
PGC 59072		Glxy S	15.8	MCG 8-31-5 CGCG 252-4 VV 197 ARP 312
PGC 59071		Glxy S	16.4	MCG 8-31-6 CGCG 252-4 VV 197 ARP 312
PGC 59065		Glxy SAB(rs)0+ pec	16	MCG 8-31-3A CGCG 252-3 VV 710 ARP 103 ANON 1648+45C
PGC 59062		Glxy S0 pec:	15.4	MCG 8-31-3 CGCG 252-3 VV 710 ARP 103 ANON 1648+45A
PGC 59061		Glxy Sa		MCG 8-31-3 CGCG 252-3 VV 710 ARP 103 ANON 1348+45B
PGC 59055		Glxy SBcd:	15.2	UGC 10571 MCG 8-31-2 CGCG 252-2
PGC 59033		Glxy	16.5	MK 500 ANON 1647+48B
PGC 59028		Glxy Im:	15.3	MK 499 CGCG 252-1 CGCG 251-43 1ZW166 ANON 1647+48A
PGC 59018		Glxy Dwarf	14.9	UGC 10565 MCG 8-31-1
PGC 58981		Glxy SBab:	14.9	UGC 10553 MCG 7-34-149 CGCG 224-102 IRAS 16456+4019
PGC 58975		Glxy Sc	16.5	UGC 10550 MCG 7-34-148
PGC 58970		Glxy SB(s)b	14.5	UGC 10547 MCG 6-37-10 CGCG 197-11
PGC 58967		Glxy Sb-c	15.1	UGC 10545 MCG 6-37-9 CGCG 197-10
PGC 58962		Glxy Sa	15.3	UGC 10544 MCG 6-37-8 MK 1107 CGCG 197-9
PGC 58933		Glxy	14.2	MCG 7-34-146
PGC 58901		Glxy S R	17.2	MCG 9-27-71
PGC 58838		Glxy S	15.2	UGC 10523 MCG 7-34-141 CGCG 224-95
PGC 58800		Glxy Sbc	15.3	MCG 7-34-138 CGCG 224-93
PGC 58788		Glxy E	14.6	UGC 10512 MCG 7-34-137 CGCG 224-92
PGC 58784		Glxy Sb	15.3	MCG 7-34-136 CGCG 224-91
PGC 58777		Glxy Sb	15.1	MCG 7-34-135 CGCG 224-90
PGC 58766		Glxy Sb	15.5	MCG 7-34-132 IRAS 16395+3950
PGC 58759		Glxy Sb	15.5	MCG 7-34-133 CGCG 224-88
PGC 58733		Glxy Sc	15.6	MCG 7-34-131 CGCG 224-86
PGC 58730		Glxy Compact	15	MCG 7-34-130 MK 887 CGCG 224-87
PGC 58674		Glxy Ring A		UGC 10491 CGCG 224-82 1ZW162 VV 501 ARP 125 ANON 1636+42A
PGC 58664		Glxy Double System	15	UGC 10491 MCG 7-34-127 CGCG 224-82 1ZW162 VV 501 ARP 125 IRAS 16365+4202 ANON 1636+42B
PGC 58633		Glxy S?	15.2	UGC 10477 MCG 6-36-56 CGCG 196-85 KARA753 KUG 1635+373
PGC 58613		Glxy S	15.7	CGCG 196-84 KUG 1635+365B
PGC 58610		Glxy SBa	14.8	UGC 10473 MCG 6-36-55 CGCG 196-83 IRAS 16350+3631 KUG 1635+365A
PGC 58569		Glxy S	17.4	Hickson 83C
PGC 58565		Glxy E	16.5	Hickson 83B
PGC 58562		Glxy E	18.4	Hickson 83D
PGC 58559		Glxy E	16.4	Hickson 83A

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Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 58410		Glxy Sc	13.8	UGC 10436 MCG 7-34-103 CGCG 224-66
PGC 58395		Glxy Sb	16.1	UGC 10432 MCG 7-34-98
PGC 58376		Glxy SBcd:	14.9	UGC 10427 MCG 7-34-91 CGCG 224-54
PGC 58282		Glxy		
PGC 58278		Glxy S	16.1	MCG 7-34-69
PGC 58276		Glxy S	16.5	MCG 7-34-65 CGCG 224-40
PGC 58275		Glxy	16.1	MCG 7-34-70
PGC 58262		Glxy S	15.8	MCG 7-34-56
PGC 58261		Glxy	15.2	MCG 7-34-55
PGC 58255		Glxy		
PGC 58254		Glxy	14.8	MCG 7-34-50
PGC 58244		Glxy E	14.3	MCG 7-34-48
PGC 58236		Glxy Sc	15.6	MCG 6-36-45 CGCG 196-70 IRAS 16264+3316
PGC 58231		Glxy S	16.6	Hickson 82D
PGC 57779		Glxy S	17.7	Hickson 81C
PGC 57777		Glxy S	17.6	Hickson 81D
PGC 57774		Glxy S	17	Hickson 81B
PGC 57773		Glxy COMPACT	17	UGC 10319 Hickson 81A
PGC 57678		Glxy SB(s)m	13.6	UGC 10310 MCG 8-30-2 DDO204 CGCG 251-4 ARP 2 ANON 1614+47
PGC 57627		Glxy Sc? sp	15	UGC 10297 MCG 3-41-144 CGCG 108-169 KAZ420
PGC 57626		Glxy S	15.7	MCG 5-38-46 CGCG 167-59
PGC 57625		Glxy L	15.6	MCG 5-38-45 CGCG 167-59
PGC 57198		Glxy		
PGC 57190		Glxy		
PGC 57185		Glxy		
PGC 56973		Glxy		
PGC 56969		Glxy	17	KUG 1602+174A
PGC 56948		Glxy SAB(s)c	16	MCG 3-41-72 CGCG 108-98 KUG 1602+176
PGC 56945		Glxy		
PGC 56936		Glxy		
PGC 56922		Glxy		
PGC 56919		Glxy		
PGC 56911		Glxy		
PGC 56888		Glxy		
PGC 57088		Glxy SB(s)(a)	14.8	MCG 3-41-105 CGCG 108-129
PGC 57077		Glxy		
PGC 57071		Glxy		
PGC 57070		Glxy		
PGC 57064		Glxy		
PGC 57061		Glxy Sc	17.1	UGC 10190
PGC 57060		Glxy SB	16	MCG 3-41-96
PGC 57057		Glxy		
PGC 57055		Glxy		
PGC 57121		Glxy SAB(s)bc	16.1	MCG 3-41-114 CGCG 108-138
PGC 57119		Glxy		

## Hercules - The Son of Zeus

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 57115		Glxy		
PGC 57112		Glxy		
PGC 57106		Glxy		
PGC 57103		Glxy		
PGC 57099		Glxy	17.9	MK 299 KUG 1603+174
PGC 57097		Glxy SB(rs)b	15.2	MCG 3-41-112 CGCG 108-135
PGC 57092		Glxy		
PGC 57184		Glxy SA(s)b?	15.7	CGCG 108-154 KUG 1604+176
PGC 57162		Glxy E	17.2	
PGC 57160		Glxy SAB(r)b	15.3	CGCG 108-149
PGC 57144		Glxy		
PGC 57143		Glxy		
PGC 57136		Glxy SB(r)b	15.3	
PGC 57133		Glxy		
PGC 57131		Glxy SAB(rs)cd	16.3	
PGC 57123		Glxy		
PGC 57052		Glxy		
PGC 57047		Glxy		
PGC 57043		Glxy		
PGC 57042		Glxy		
PGC 57020		Glxy		
PGC 57000		Glxy		
PGC 56992		Glxy S	16.5	KUG 1602+174B
PGC 56987		Glxy SA(s)c	14.8	MCG 3-41-80 CGCG 108-108 KUG 1602+175
PGC 56880		Glxy		
PGC 56858		Glxy		
PGC 56855		Glxy		
PGC 56848		Glxy SBR	15.3	MCG 3-41-59
PGC 56838		Glxy (R')SB(s)0/a	15.1	MCG 3-41-58 CGCG 108-81
PGC 56830		Glxy C	16	MK 695 KUG 1600+160
PGC 56813		Glxy (R)SAB0+	15.4	CGCG 108-78
PGC 56784		Glxy E+	14.2	UGC 10143 MCG 3-41-54 CGCG 108-73 VV 159 ARP 324 ANON 1600+16C
PGC 56782		Glxy		ARP 324
PGC 56777		Glxy SAB(r)ab	14.1	MCG 3-41-52 CGCG 108-71 ARAK494 3ZW75 VV 159 ARP 324 ANON 1600+16B
PGC 56770		Glxy E3	15.2	MCG 3-41-51 CGCG 108-70 3ZW75 VV 159 ARP 324 ANON 1600+16A KUG 1559+160
PGC 56765		Glxy SA0- pec	15.8	MCG 3-41-46 VV 91
IC 4593		PI Neb 2+2	10.9	PK 25+40.1 PNG 25.3+40.8
MAC 1602+1555B		Glxy	16	
MAC 1602+1555A		Glxy	16	ARP 324
MAC 1602+1554		Glxy	14	ARP 324
MAC 1602+1552		Glxy	16	
MAC 1602+1551		Glxy	16.5	
MAC 1602+1550		Glxy	16	
MAC 1602+1545C		Glxy	16.5	

## Hercules - The Son of Zeus

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC 1602+1545B		Glxy	15	
MAC 1602+1540		Glxy	16.5	
MAC 1601+1609A		Glxy	15.5	
MAC 1601+1609		Glxy	15.5	
MAC 1601+1605		Glxy	16.5	
MAC 1601+1604		Glxy	17.5	
MAC 1601+1600B		Glxy	17	
MAC 1601+1600A		Glxy	15.5	
MAC 1601+1558		Glxy	16	
MAC 1601+1556A		Glxy	16.5	
MAC 1601+1556		Glxy	16	
MAC 1601+1553A		Glxy	16	
MAC 1601+1553		Glxy	15.5	
MAC 1601+1550B		Glxy	16.5	
MAC 1601+1550A		Glxy	16.5	
MAC 1601+1549B		Glxy	15.5	
MAC 1601+1549A		Glxy	16	
MAC 1601+1547		Glxy	16	
MAC 1602+1611		Glxy	16	
MAC 1602+1607		Glxy	14.5	
MAC 1602+1605		Glxy	16.5	
MAC 1602+1604		Glxy	16.5	
MAC 1602+1601		Glxy	16.5	ARP 324
MAC 1602+1600		Glxy	16	ARP 324
MAC 1602+1559		Glxy	16	
MAC 1602+1557		Glxy	15.5	ARP 324
MAC 1602+1556		Glxy	16.5	
MAC 1604+1745		Glxy	16.5	
MAC 1604+1744		Glxy	16.5	
MAC 1604+1741		Glxy	16	
MAC 1604+1738		Glxy	16	
MAC 1604+1731		Glxy	17	
MAC 1604+1726		Glxy	16	
MAC 1604+1725		Glxy	15.5	
MAC 1604+1718		Glxy	16.5	
MAC 1603+1755		Glxy	16.5	
MAC 1647+3412		Glxy	15.5	
MAC 1647+3407		Glxy	15.5	
MAC 1628+3931		Glxy	15.5	
MAC 1607+1749		Glxy	16.1	
MAC 1607+1733		Glxy	16.5	
MAC 1606+1802		Glxy	16	
MAC 1606+1750		Glxy	16.1	
MAC 1606+1746		Glxy	15.1	
MAC 1606+1743		Glxy	15.5	

## Hercules - The Son of Zeus

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC 1606+1741B		Glxy	16.5	
MAC 1606+1741A		Glxy	16.5	
MAC 1606+1736		Glxy	16.5	
MAC 1605+2032		Glxy	16	ARP 209
MAC 1605+1810A		Glxy	16.5	
MAC 1605+1805		Glxy	16.5	
MAC 1605+1804		Glxy	15.5	
MAC 1605+1756		Glxy	16.5	
MAC 1605+1752		Glxy	16.5	
MAC 1605+1748		Glxy	16.5	
MAC 1605+1747A		Glxy	16	
MAC 1605+1745		Glxy	16.5	ARP 71
MAC 1605+1744B		Glxy	16	
MAC 1605+1744A		Glxy	16	
MAC 1605+1743		Glxy	16	
MAC 1605+1741		Glxy	16	
MAC 1605+1740		Glxy	16.5	
MAC 1605+1738		Glxy	15.5	
MAC 1605+1736		Glxy	16.6	
MAC 1605+1735B		Glxy	16	
MAC 1605+1735A		Glxy	17	
MAC 1605+1722		Glxy	16.5	
MAC 1605+1720		Glxy	16.5	
MAC 1605+1719		Glxy	16.5	
MAC 1604+1811		Glxy	16	
MAC 1604+1808		Glxy	16	
MAC 1604+1807		Glxy	16	
MAC 1604+1806		Glxy	16.5	
MAC 1604+1805		Glxy	17	
MAC 1604+1802		Glxy	16.5	
MAC 1604+1759		Glxy	16	
MAC 1604+1750		Glxy	15.5	
MAC 1604+1749		Glxy	16.5	
MAC 1604+1748A		Glxy	16.5	
MAC 1604+1748		Glxy	16	
MAC 1603+1745		Glxy	16.5	
MAC 1603+1735		Glxy	17	
MAC 1603+1607A		Glxy	16	
MAC 1603+1605		Glxy	16	
MAC 1603+1603		Glxy	16	
MAC 1603+1601		Glxy	16	
MAC 1603+1600		Glxy	16.5	
MAC 1603+1553		Glxy	16.5	
MAC 1601+1539		Glxy	15.5	
MAC 1601+1540		Glxy	16	

## Hercules - The Son of Zeus

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC 1601+1541		Glxy	15.5	
MAC 1601+1545		Glxy	16	
MAC 1601+1542		Glxy	16	
IC 4617		Glxy	15.5	
IC 4614		Glxy S0/a	15.4	MCG 6-36-57 CGCG 196-87 PGC 58641
NGC 6013		Glxy SBb	14.4	UGC 10080 MCG 7-33-4 CGCG 223-7 PGC 56287
NGC 6035		Glxy SAB(rs)c	14.2	UGC 10154 MCG 4-38-18 CGCG 137-24 PGC 56864
NGC 6040		Glxy SAB(s)c	14.1	NGC 6040A UGC 10165 MCG 3-41-74 CGCG 108-96 VV 212 ARP 122 PGC 56932
NGC 6042		Glxy SA0-		PGC 56972 MCG 3-41-79 CGCG 108-104
NGC 6041B		Glxy SB0-	16.6	UGC 10170 CGCG 108-101 PGC 56960
NGC 6041A		Glxy SB0^	14.3	UGC 10170 MCG 3-41-78 CGCG 108-101 VV 213 PGC 56962
NGC 6039		Glxy SA0+ pec	14.9	NGC 6040B PGC 56942 MCG 3-41-73 VV 212 ARP 122
NGC 6043		Glxy SAB0-	14.2	MCG 3-41-86 CGCG 108-109 PGC 57019
NGC 6163		Glxy SB0?	15.3	MCG 6-36-48 CGCG 168-15 KUG 1626+329D Hickson 82B PGC 58250
NGC 6162		Glxy S0	14.6	UGC 10403 MCG 6-36-47 CGCG 168-14 KUG 1626+329C Hickson 82A PGC 58238
NGC 6161		Glxy S?	15.6	MCG 6-36-46 CGCG 168-13 IRAS 16264+3255 KUG 1626+329B Hickson 82C PGC 58235
NGC 6155	H690-2	Glxy S?	13.2	UGC 10385 MCG 8-30-13 CGCG 251-18 IRAS 16247+4828 PGC 58115
NGC 6154	H680-3	Glxy SB(r)a	13.6	UGC 10382 MCG 8-30-12 CGCG 251-16 PGC 58095
NGC 6146	H638-3	Glxy E?	13.5	UGC 10379 MCG 7-34-24 CGCG 224-18 PGC 58080
NGC 6145		Glxy S	15.1	MCG 7-34-21 CGCG 224-17 PGC 58074
NGC 6106	H151-2	Glxy SA(s)c	12.8	UGC 10328 MCG 1-41-16 CGCG 52-1 IRAS 16163+731 PGC 57799
NGC 6099		Glxy E+	14.3	UGC 10299 MCG 3-41-146 CGCG 108-170 VV 192 PGC 57640
NGC 6197		Glxy	15.4	IC 4616 PGC 58620
NGC 6196		Glxy SAB0-: pec	13.9	IC 4615 PGC 58644 UGC 10482 MCG 6-36-58 CGCG 196-88
NGC 6195	H893-3	Glxy Sb	13.8	UGC 10469 MCG 7-34-118 CGCG 224-75 IRAS 16348+3907 PGC 58596
NGC 6194		Glxy Compact	14.6	MCG 6-36-54 CGCG 196-82 KUG 1634+363 PGC 58598
NGC 6186	H730-3	Glxy (R')SB(s)a	13.8	UGC 10448 MCG 4-39-15 CGCG 138-38 IRAS 16322+2138 PGC 58523
NGC 6185		Glxy S?	14.3	UGC 10444 MCG 6-36-52 CGCG 196-77 PGC 58493
NGC 6181	H753-2	Glxy SAB(rs)c	12.5	UGC 10439 MCG 3-42-20 CGCG 109-31 IRAS 16301+1955 PGC 58470
NGC 6173	H640-3	Glxy E	13.1	UGC 10421 MCG 7-34-83 CGCG 224-49 3ZW83 PGC 58348
NGC 6166	H875-2	Glxy E+2 pec	12.8	UGC 10409 MCG 7-34-60 CGCG 224-39 VV 364 PGC 58265
NGC 6098		Glxy E+	14.4	UGC 10299 MCG 3-41-145 CGCG 108-170 VV 192 PGC 57634
NGC 6081		Glxy S0	14.1	IC 1202 PGC 57506 UGC 10272 MCG 2-41-19 CGCG 79-78
NGC 6078		Glxy E	14.6	MCG 2-41-17 CGCG 79-76 PGC 57460
NGC 6064	H140-3	Glxy Sc	13.4	NGC 6052 PGC 57039 UGC 10182 MCG 4-38-22 MK 297 CGCG 137-32 VV 86 ARP 209
NGC 6062		Glxy SB(rs)bc	14.2	UGC 10202 MCG 3-41-125 CGCG 108-148 PGC 57145
NGC 6060		Glxy SAB(rs)c	13.8	UGC 10196 MCG 4-38-25 CGCG 137-36 IRAS 16036+2137 PGC 57110
NGC 6058	H637-3	PI Neb 3+2	13.3	PK 64+48.1 PNG 64.6+48.2
NGC 6057		Glxy E	15.7	PGC 57090 MCG 3-41-106 CGCG 108-130
NGC 6056		Glxy SB(s)0+	13.8	IC 1176 PGC 57075 MCG 3-41-100 CGCG 108-122
NGC 6055		Glxy (R')SAB0+	14.8	UGC 10191 MCG 3-41-101 CGCG 108-123 PGC 57076
NGC 6054		Glxy (R')SAB(s)b	15.1	IC 1183 PGC 57073 MCG 3-41-99 CGCG 108-121 IRAS 16032+1754 KUG 1603+179A
NGC 6050		Glxy SA(s)c	14.7	UGC 10186 MCG 3-41-92 CGCG 108-118 ARP 272 PGC 57058

## Hercules - The Son of Zeus

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 6047		Glxy E+	13.5	MCG 3-41-87 CGCG 108-111 PGC 57033
NGC 6045		Glxy SB(s)c sp	14.9	UGC 10177 MCG 3-41-88 CGCG 108-112 ARP 71 IRAS 16028+1753 PGC 57031
NGC 6044		Glxy SA0^	15.3	IC 1172 PGC 57015 MCG 3-41-84 CGCG 108-110
NGC 6043A		Glxy SB0	14.4	
NGC 6269		Glxy E	12.2	UGC 10629 MCG 5-40-12 CGCG 169-19 PGC 59332
NGC 6267	H123-3	Glxy SB(r)bc	13.9	UGC 10628 MCG 4-40-9 CGCG 139-25 IRAS 16560+2303 PGC 59340
NGC 6241	H735-3	Glxy Sc	14.8	MCG 8-31-7 CGCG 252-5 IRAS 16486+4530 PGC 59085
NGC 6239	H727-3	Glxy SB(s)b pec?	12.9	UGC 10577 MCG 7-35-1 CGCG 225-2 CGCG 224-105 IRAS 16484+4249 PGC 59083
NGC 6229	H50-4	Globular	9.4	
NGC 6212		Glxy S?	15.1	MCG 7-34-142 CGCG 224-96 PGC 58840
NGC 6210		PI Neb 2+3b	9.3	PK 43+37.1 PNG 43.1+37.7
NGC 6207	H701-2	Glxy SA(s)c	12.2	UGC 10521 MCG 6-37-7 CGCG 197-7 IRAS 16412+3655 KARA766 KUG 1641+369 PGC 58827
NGC 6205		Globular	5.8	M 13 Great Cluster in Hercules
NGC 6571		Glxy E/S0	15.3	MCG 4-43-6 CGCG 142-10 PGC 61504
NGC 6560		Glxy S pec?	14.2	UGC 11117 MCG 8-33-19 CGCG 254-15 IRAS 18038+4652 PGC 61381
NGC 6555	H902-2	Glxy SAB(rs)c	13	UGC 11121 MCG 3-46-15 CGCG 113-22 IRAS 18056+1735 PGC 61432
NGC 6549		Glxy S?	14.7	UGC 11114 MCG 3-46-12 CGCG 113-19 IRAS 18036+1831 PGC 61399
NGC 6548	H555-3	Glxy SB0	11.7	NGC 6550 PGC 61404 UGC 11115 MCG 3-46-13 CGCG 113-20
NGC 6547		Glxy S0	14.6	UGC 11110 MCG 4-43-1 CGCG 141-48 CGCG 142-1 PGC 61378
NGC 6527		Glxy Sa:	14.3	UGC 11094 MCG 3-46-9 CGCG 113-14 IRAS 17595+1943 PGC 61297
NGC 6524		Glxy S0-:	13.8	UGC 11079 MCG 8-33-5 CGCG 254-6 IRAS 17578+4553 KARA841 PGC 61221
NGC 6518		Glxy	14.9	MCG 5-42-24 CGCG 171-41 PGC 61238
NGC 6513		Glxy SB0:	14.3	UGC 11078 MCG 4-42-18 CGCG 141-38 PGC 61235
NGC 6504		Glxy S	13.5	UGC 11053 MCG 6-39-27 CGCG 199-29 PGC 61129
NGC 6501	H958-3	Glxy SA0+:	13	UGC 11049 MCG 3-46-4 CGCG 113-9 PGC 61128
NGC 6500	H957-3	Glxy SAab:	13.1	UGC 11048 MCG 3-46-3 CGCG 113-8 IRAS 17537+1820 PGC 61123
NGC 6495		Glxy E	13.2	UGC 11034 MCG 3-45-39 CGCG 112-70 CGCG 113-4 PGC 61091
NGC 6490		Glxy S0-?	14.5	UGC 11033 MCG 3-45-38 CGCG 112-68 CGCG 113-2 PGC 61079
NGC 6344		Glxy		PGC 60004
NGC 6341		Globular	6.5	M 92

**Sub Total: 318****Total: 558**

# Horologium - The Clock

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 888		Glxy E1: pec	14.4	ESO 115-2 PGC 8743
IC 1878		Non-Existent		
NGC 1244		Glxy SA(r)ab pec:	13.9	ESO 82-8 IRAS 3058-6657 PGC 11659
IC 1925		Non-Existent		
IC 1927		Non-Existent		
IC 1914		Glxy SAB(s)d	13.3	ESO 200-3 IRAS 3179-4946 PGC 12390
IC 1912		Glxy S	15.8	ESO 200-1 IRAS 3151-5050 PGC 12172
IC 1908		Glxy SB(rs)b pec	14.7	ESO 155-13 IRAS 3137-5500 PGC 12085
IC 1903		Glxy E/S0	16.7	ESO 199-24 PGC 11990
NGC 1261		Globular	8.3	
NGC 1252		Non-Existent		
NGC 1249		Glxy SB(s)cd	12.2	ESO 155-6 IRAS 3085-5331 PGC 11836
IC 1896		Glxy S	15.8	ESO 155-4 PGC 11722
NGC 1246		Glxy E5:	13.9	ESO 82-9 FAIR229 PGC 11680
IC 1924		Glxy S	16.7	ESO 200-17 PGC 12781
IC 1923		Glxy	17.2	ESO 200-14 PGC 12753
IC 1922		Glxy S	16.9	ESO 200-13 PGC 12749
IC 1921		Non-Existent		
IC 1920		Glxy S	16.3	ESO 155-24 PGC 12715
IC 1917		Non-Existent		
IC 1916		Glxy SB	15.4	ESO 200-8 PGC 12482
NGC 1311		Glxy SB(s)m? sp	13.4	ESO 200-7 IRAS 3186-5222 PGC 12460
IC 1915		Glxy SBR	16.2	ESO 200-5 PGC 12435
NGC 1558		Glxy (R')SAB(r)bc:	13.3	ESO 250-17 IRAS 4187-4508 PGC 14906
IC 2042		Non-Existent		
IC 2035		Glxy S0 pec?	12.5	ESO 250-7 PGC 14558
NGC 1527		Glxy SAB(r)0-:	11.7	ESO 201-20 PGC 14526
NGC 1512		Glxy SB(r)a	11.1	ESO 250-4 MCG -7-9-7 IRAS 4022-4329 PGC 14391
NGC 1510		Glxy SA0^ pec?	13.5	ESO 250-3 MCG -7-9-6 IRAS 4019-4332 PGC 14375
NGC 1495		Glxy Sc? sp	13.3	ESO 249-34 MCG -7-9-4 IRAS 3567-4436 PGC 14190
IC 2015		Glxy S	15.6	ESO 302-22 PGC 14184
NGC 1494		Glxy SAB(s)d:	12.3	ESO 201-12 IRAS 3562-4902 PGC 14169
NGC 1493		Glxy SB(r)cd	11.8	ESO 249-33 IRAS 3558-4621 PGC 14163
IC 2009		Glxy IAB(s)m	14.6	ESO 201-8 PGC 14041
NGC 1483		Glxy SB(s)bc:	13.1	ESO 201-7 IRAS 3512-4737 PGC 14022
NGC 1476		Glxy Sa? pec	13.9	ESO 249-24 MCG -7-9-1 IRAS 3504-4440 PGC 14001
IC 2004		Glxy Sa	15	ESO 201-6 PGC 13986
IC 2001		Non-Existent		
IC 2000		Glxy SB(s)cd: sp	12.9	ESO 201-3 IRAS 3476-4900 PGC 13912
IC 1994		Glxy	16	ESO 200-58 PGC 13795
IC 1992		Non-Existent		
IC 1991		Glxy S	16.2	ESO 200-56 PGC 13734
NGC 1457		Non-Existent		NGC 1448 PGC 13727 ESO 249-16 MCG -7-8-5
NGC 1448		Glxy Sc	10.7	
NGC 1433		Glxy (R')SB(r)ab	10.7	ESO 249-14 IRAS 3404-4722 PGC 13586

# Horologium - The Clock

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 1989		Glxy SA0-	14.6	ESO 200-55 PGC 13581
IC 1986		Glxy Irr	14.8	ESO 249-13 PGC 13521
IC 1984		Glxy S	16.4	ESO 249-12 PGC 13487
NGC 1411		Glxy SA(r)0-:	12.2	IC 1943 PGC 13429 ESO 249-11 MCG -7-8-4
IC 1943		Non-Existent		
IC 1976		Glxy S	15.8	ESO 200-51 PGC 13355
IC 1978		Glxy Sab? sp	15.6	ESO 200-52 PGC 13350
IC 1974		Glxy S	15.9	ESO 200-50 PGC 13325
IC 1970		Glxy SAB: sp	12.9	ESO 249-7 MCG -7-8-3 IRAS 3348-4407 PGC 13322
IC 1972		Glxy S	16.4	ESO 200-48 PGC 13310
IC 1973		Glxy	16.7	ESO 200-49 PGC 13309
IC 1969		Glxy Sa	15.6	ESO 249-5 PGC 13303
IC 1971		Glxy S	15.9	ESO 156-1 FAIR388 PGC 13295
IC 1968		Glxy S	16.2	ESO 200-43 PGC 13236
IC 1966		Glxy S	15.6	ESO 200-42 PGC 13206
IC 1961		Glxy S	15.5	ESO 200-41 IRAS 3320-4907 PGC 13175
IC 1959		Glxy SB(s)m: sp	13.2	ESO 200-39 IRAS 3317-5034 PGC 13163
IC 1958		Glxy	16	ESO 200-38 PGC 13144
IC 1957		Glxy S	16.5	ESO 155-48 PGC 13120
IC 1954		Glxy SB(s)b:	12.2	ESO 200-36 IRAS 3300-5204 PGC 13090
IC 1950		Glxy Sc: sp	15.1	ESO 200-35 IRAS 3295-5036 PGC 13053
IC 1951		Glxy S	17.1	ESO 155-43 PGC 13048
IC 1949		Glxy S?	13.7	ESO 200-33 FAIR749 IRAS 3293-4808 PGC 13047
IC 1948		Glxy S	15.5	ESO 200-32 FAIR748 PGC 13045
NGC 1356		Glxy SAB(r)bc pec:	13.7	ESO 200-31 IRAS 3291-5028 PGC 13035
IC 1940		Glxy (R')SB(r)ab	14.7	ESO 200-26 PGC 12896
IC 1938		Glxy S?	15.4	ESO 155-32 PGC 12874
IC 1937		Glxy S	14.9	ESO 200-25 PGC 12856
IC 1936		Glxy	16	ESO 200-24 PGC 12847
IC 1935		Glxy SA(s)cd? pec	14.7	ESO 200-23 PGC 12833
IC 1932		Glxy S0?	15.4	ESO 200-22 FAIR747 PGC 12817
IC 1933		Glxy SAB(s)d:	12.9	ESO 155-25 IRAS 3242-5257 PGC 12807
IC 1929		Non-Existent		ESO 200-21 PGC 12799
IC 1926		Glxy S	16.6	ESO 200-20 PGC 12790
IC 1947		Glxy	15.5	ESO 200-30 PGC 13027
IC 1944		Glxy	15.7	ESO 200-28 PGC 12987
IC 1946		Glxy S0?	15.2	ESO 155-39 PGC 12972
IC 1945		Glxy L	16	ESO 155-38 PGC 12970
IC 1942		Glxy	15.4	ESO 155-34 PGC 12907
IC 1939		Non-Existent		
IC 1879		Glxy S?	15.9	ESO 199-14 FAIR736 PGC 11542
IC 1877		Glxy Sb: pec	16.3	ESO 199-11 PGC 11495
NGC 1135		Glxy Sd? pec	16.2	ESO 154-18 PGC 10800
NGC 1136		Glxy SB(r)a?	13.8	ESO 154-19 FAIR732 IRAS 2493-5510 PGC 10807
NGC 1096		Glxy SB(rs)bc	13.5	ESO 115-28 IRAS 2425-6007 PGC 10336

## Horologium - The Clock

Observed: No  
Object

	Her	Type	Mag	Alias/Notes
NGC 1031		Glxy SB(r)a:	13.4	ESO 154-5 PGC 9907
NGC 1025		Glxy Sb	13.8	ESO 154-4 IRAS 2347-5504 PGC 9891
<b>Sub Total:</b>			<b>92</b>	
<b>Total:</b>			<b>92</b>	

## Hydra - The Water Snake

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 2589		Non-Existent		
NGC 2616		Glxy SAB(rs)0 <sup>^</sup> ?	13.5	UGC 4489 MCG 0-22-21 CGCG 4-69 PGC 24129
IC 516		Glxy	15.7	CGCG 4-75 PGC 24155
IC 4453		Glxy SAB(rs)0 <sup>^</sup> : sp	13.2	ESO 512-4 MCG -4-34-20 PGC 52084
NGC 5626		Glxy SA(s)0+	14	ESO 447-8 MCG -5-34-15 PGC 51794
NGC 5592	H924-3	Glxy SB(s)bc?	13.5	ESO 446-58 MCG -5-34-11 IRAS 14210-2827 PGC 51428
NGC 5556		Glxy SAB(rs)d	12.4	ESO 446-50 MCG -5-34-9 UGC A389 DDO243 IRAS 14176-2901 PGC 51245
NGC 5495		Glxy (R')SAB(r)c	13.5	ESO 511-10 MCG -4-34-1 IRAS 14095-2652 PGC 50729
IC 4374		Glxy SA(rs)0-:	13.6	ESO 510-69 MCG -4-33-46 PGC 50385
NGC 5464		Glxy IB(s)m?	13.3	ESO 446-11 MCG -5-33-45 IRAS 14041-2946 TOL43 PGC 50356
NGC 5393		Glxy (R')SB(r)a pec:	14	ESO 445-87 MCG -5-33-35 IRAS 13576-2838 PGC 49863
IC 4350		Glxy (R')SA(r)0+ pec	13.7	ESO 510-22 MCG -4-33-19 PGC 49628
NGC 5330		Glxy E	14.8	ESO 445-68 MCG -5-33-28A PGC 49316
NGC 5328	H923-3	Glxy E1:	12.7	ESO 445-67 MCG -5-33-28 PGC 49307
IC 4328		Glxy S?	14.9	ESO 445-45 PGC 49023
IC 4326		Glxy S?	14.4	ESO 445-38 MCG -5-33-12 IRAS 13454-2922 PGC 48966
IC 4325		Glxy SB?	14.7	ESO 445-32 MCG -5-33-7 IRAS 13448-2911 PGC 48908
IC 4330		Glxy SB(rs)c	14.7	ESO 445-27 MCG -5-33-3 PGC 48881
IC 4323		Glxy S	15.9	ESO 445-24 PGC 48748
IC 4320		Glxy S0?	14.2	ESO 509-101 MCG -4-32-53 PGC 48655
IC 4319		Glxy SA(s)bc?	14.3	ESO 445-19 MCG -5-32-71 IRAS 13406-2933 PGC 48617
IC 4318		Glxy S?	14.5	ESO 445-17 MCG -5-32-69 IRAS 13405-2842 PGC 48613
NGC 5264		Glxy IB(s)m	12.6	ESO 445-12 MCG -5-32-66 UGC A370 DDO242 PGC 48467
NGC 5260		Glxy SB(s)c	13.6	ESO 509-92 MCG -4-32-50 IRAS 13375-2336 PGC 48371
IC 4316		Glxy IBm? pec	15	ESO 445-6 MCG -5-32-62 TOL37 PGC 48368
IC 4315		Glxy SB(s)cd: sp	14.9	ESO 509-91 MCG -4-32-49 PGC 48346
IC 4310		Glxy S0 pec	13.2	ESO 509-88 MCG -4-32-47 PGC 48258
IC 4309		Glxy S	15.5	ESO 444-91 PGC 48250
IC 4303		Glxy SB	15.3	ESO 444-83 MCG -5-32-51 PGC 48104
IC 4298		Glxy (R')SA(s)bc	14.1	ESO 509-80 MCG -4-32-45 PGC 48036
IC 4295		Glxy S?	15.1	ESO 444-80 MCG -5-32-49 PGC 48035
IC 4294		Glxy S	15.6	ESO 444-79 PGC 48031
IC 4293		Glxy SA0-	13.5	ESO 509-77 MCG -4-32-44 PGC 47987
IC 4292		Glxy S	15	ESO 509-76 IRAS 13329-2725 PGC 47956
IC 4290		Glxy (R')SB(r)b	14.2	ESO 444-74 MCG -5-32-44 PGC 47905
IC 4289		Glxy E?	14.3	ESO 509-67 MCG -4-32-41 PGC 47861
IC 4288		Glxy S?	14.7	ESO 509-61 MCG -4-32-39 PGC 47831
IC 4286		Glxy S R	15.9	ESO 509-58 PGC 47754
IC 4280		Glxy S?	13.5	ESO 509-54 MCG -4-32-36 IRAS 13301-2357 PGC 47688
IC 4281		Glxy S?	14.5	ESO 509-49 MCG -4-32-33 VV 631 PGC 47653
IC 4279		Glxy S pec	15.5	ESO 509-47 MCG -4-32-32 PGC 47642
IC 4276		Glxy S?	15.3	ESO 444-68 IRAS 13292-2753 PGC 47594
IC 4275		Glxy SB?	14.2	ESO 444-67 MCG -5-32-38 IRAS 13290-2928 PGC 47573
IC 4273		Glxy S0?	15.2	ESO 444-65 MCG -5-32-35 PGC 47552
IC 4272		Glxy S	15.6	ESO 444-63 IRAS 13284-2941 PGC 47533

## Hydra - The Water Snake

Observed: No

Object	No	Her	Type	Mag	Alias/Notes
IC	4270		Glxy Sb-c	14.8	ESO 509-37 MCG -4-32-27 PGC 47500
NGC	5182		Glxy (R')SB(r)bc	13.3	ESO 444-62 MCG -5-32-34 IRAS 13278-2753 PGC 47489
IC	4267		Glxy S0?	15.2	ESO 509-35 MCG -4-32-24 PGC 47474
IC	4262		Glxy S?	15.6	ESO 444-58 PGC 47457
IC	4265		Glxy S	15.5	ESO 509-34 PGC 47456
IC	4264		Glxy SA(s)d: sp	14.9	ESO 444-57 MCG -5-32-33 PGC 47452
IC	4261		Glxy S0	14.5	ESO 444-54 MCG -5-32-32 PGC 47392
IC	4260		Glxy S	15.6	ESO 444-52 PGC 47374
IC	4259		Glxy S?	15.1	ESO 444-51 PGC 47356
IC	4255		Glxy E?	14.1	ESO 509-20 MCG -4-32-20 PGC 47209
NGC	5153		Glxy E1 pec	11.8	ESO 444-45 MCG -5-32-25 PGC 47194
NGC	5152		Glxy SB(s)b	13.3	ESO 444-44 MCG -5-32-24 PGC 47187
IC	4254		Glxy S	15.6	ESO 509-17 PGC 47176
NGC	5150		Glxy SBbc:	12.6	ESO 444-43 MCG -5-32-23 IRAS 13248-2918 PGC 47169
IC	4253		Glxy (R')SB(rs)bc	14.8	ESO 444-42 MCG -5-32-22 PGC 47161
IC	4252		Glxy SA(rs)0-:	14.1	ESO 509-13 MCG -4-32-18 PGC 47150
IC	4251		Glxy S0?	14.9	ESO 444-41 MCG -5-32-21 PGC 47145
IC	4249		Glxy S?	14.4	ESO 444-39 MCG -5-32-20 TOL35 PGC 47119
IC	4248		Glxy S?	13.9	ESO 444-35 MCG -5-32-18 IRAS 13239-2937 TOL34 PGC 47078
IC	4246		Glxy S	15.5	ESO 509-2 MCG -4-32-13 PGC 47012
IC	4245		Glxy Sa	15.5	ESO 509-2 MCG -4-32-12 PGC 46998
IC	4243		Glxy S0?	15.1	ESO 509-1 PGC 46984
NGC	5135		Glxy SB(s)ab	12.2	ESO 444-32 MCG -5-32-13 IRAS 13229-2934 PGC 46974
IC	4232		Glxy Sbc: pec	14.5	ESO 508-61 MCG -4-32-10 IRAS 13206-2550 PGC 46779
IC	4231		Glxy Sbc sp	14.2	ESO 508-60 MCG -4-32-9 PGC 46768
NGC	5101	H567-2	Glxy (R)SB(rs)0/a	11.6	ESO 508-58 MCG -4-32-8 UGC A351 IRAS 13190-2709 PGC 46661
NGC	5085	H780-2	Glxy SA(s)c	12	ESO 508-50 MCG -4-32-5 UGC A349 IRAS 13175-2410 PGC 46531
IC	4222		Non-Existent		IC 4222 IC 879 ESO 508-47 MCG -4-31-52 PGC 46479
IC	874		Glxy SB(rs)0^	13.4	ESO 508-42 MCG -4-31-50 PGC 46410
NGC	5051		Glxy SAB(rs)bc:	14	ESO 444-1 MCG -5-31-42 IRAS 13135-2801 PGC 46194
NGC	5048		Glxy SA0-:	13.7	ESO 443-87 MCG -5-31-41 PGC 46179
NGC	5042		Glxy SAB(rs)c	12.5	ESO 508-31 MCG -4-31-43 UGC A340 IRAS 13127-2343 PGC 46126
NGC	4993	H766-3	Glxy (R')SAB(rs)0-:	13.3	NGC 4994 PGC 45657 ESO 508-18 MCG -4-31-39
NGC	4980		Glxy SAB(rs)a pec?	13.5	ESO 443-75 MCG -5-31-37 IRAS 13064-2822 PGC 45596
IC	4197		Glxy SAB0-	13.5	ESO 508-13 MCG -4-31-36 PGC 45514
NGC	4970	H765-3	Glxy S0^:	13.2	IC 4196 PGC 45466 ESO 508-9 MCG -4-31-33
IC	4196		Non-Existent		ESO 508-9 MCG -4-31-33 PGC 45466
NGC	4965		Glxy SAB(s)d	12.8	ESO 443-70 MCG -5-31-36 UGC A326 IRAS 13044-2757 PGC 45437
NGC	4968		Glxy (R')SAB0^	13.8	ESO 508-6 MCG -4-31-30 IRAS 13044-2324 PGC 45426
IC	4180		Glxy (R)SB(r)0+:	13.6	ESO 508-5 MCG -4-31-29 IRAS 13042-2338 PGC 45408
NGC	4955		Glxy E2	13.2	ESO 443-62 MCG -5-31-34 PGC 45340
IC	3927		Glxy SAB(rs)0-:	13.6	ESO 507-58 MCG -4-31-12 PGC 44419
NGC	4831		Glxy SAB0-	13.4	ESO 507-55 MCG -4-31-10 PGC 44340
NGC	4806		Glxy SB(s)c?	13.4	ESO 443-12 MCG -5-31-3 IRAS 12535-2914 PGC 44116
IC	3829		Glxy SAB0^? sp	13.9	ESO 442-24 MCG -5-30-10 PGC 43558

## Hydra - The Water Snake

Observed: No

Object	No	Her	Type	Mag	Alias/Notes
IC	3813		Glxy SAB(r)0^	13.7	ESO 507-19 MCG -4-30-24 PGC 43418
NGC	4456		Glxy Sbc	14.1	ESO 441-30 IRAS 12252-2949 PGC 40925
IC	3289		Glxy S0?	14	ESO 506-7 MCG -4-29-23 PGC 40446
NGC	4304		Glxy (R')SB(s)bc pec	12.3	ESO 380-20 MCG -5-29-34 FAIR310 IRAS 12195-3312 PGC 40055
IC	3026		Non-Existent		
IC	764		Glxy SA(s)c?	12.8	ESO 441-13 MCG -5-29-25 UGC A273 IRAS 12076-2927 PGC 38711
IC	3015		Glxy Sbc: sp	13.1	ESO 441-9 MCG -5-29-23 IRAS 12064-3114 PGC 38588
IC	3010		Glxy (R')SB(rs)0+:	13.2	ESO 441-6 MCG -5-29-20 PGC 38511
IC	3000		Non-Existent		
IC	760		Glxy S0^: sp	13.4	ESO 440-52 MCG -5-29-10 PGC 38345
IC	2996		Glxy S?	14.2	ESO 440-51 MCG -5-29-9 IRAS 12032-2941 PGC 38334
IC	2995	H382-3	Glxy SB(s)c:	12.9	ESO 440-50 MCG -5-29-8 UGC A268 IRAS 12032-2739 PGC 38330
NGC	4087	H754-3	Glxy SA0-:	13.1	ESO 505-10 MCG -4-29-5 PGC 38303
IC	2541		Glxy SB(r)bc?	14.4	MCG -3-26-17 PGC 29309
NGC	3112		Glxy Sb?	16	ESO 567-11 PGC 29189
NGC	3109		Glxy SB(s)m sp	10.4	ESO 499-36 MCG -4-24-13 UGC A194 DDO236 PGC 29128
NGC	3081	H596-3	Glxy (R)SAB(r)0/a	12.9	IC 2529 PGC 28876 ESO 499-31 MCG -4-24-12
IC	2529		Non-Existent		NGC 3081 ESO 499-31 MCG -4-24-12 PGC 28876
NGC	3076		Glxy Sab pec:	14	ESO 566-34 PGC 28766
NGC	3072	H273-3	Glxy S0/a? sp	13.7	ESO 566-33 MCG -3-26-1 PGC 28749
IC	579		Glxy SB(rs)ab:	14.5	MCG -2-26-5 IRAS 9542-1332 PGC 28702
NGC	3054		Glxy SAB(r)b	12.6	ESO 499-18 MCG -4-24-5 UGC A187 PGC 28571
NGC	3052	H272-3	Glxy SAB(r)c:	12.8	ESO 566-26 MCG -3-25-30 IRAS 9521-1824 PGC 28570
NGC	3058		Glxy S0+ pec:	13.3	
IC	573		Non-Existent		NGC 3058 MCG -2-25-26 VV 741 IRAS 9511-1214 PGC 28513
NGC	3058A		Glxy C	14.8	NGC 3058 IC 573 MCG -2-25-26 VV 741 IRAS 9511-1214 PGC 28513
NGC	3045		Glxy SB(rs)ab:	13.7	MCG -3-25-28 PGC 28492
NGC	3037		Glxy IB(s)m	13.6	ESO 499-10 MCG -4-24-2 PGC 28381
NGC	3030		Glxy E/S0	14.6	MCG -2-25-21 PGC 28302
NGC	3028		Glxy Sb pec:	13.5	ESO 566-16 IRAS 9475-1856 PGC 28276
NGC	3025		Glxy SA0^ pec:	13.9	ESO 566-15 MCG -4-23-18 PGC 28249
NGC	2996		Glxy S0+ pec:	13.5	ESO 566-12 MCG -3-25-22 PGC 28049
NGC	2989		Glxy SAB(s)bc:	13.6	ESO 566-9 MCG -3-25-20 IRAS 9430-1808 PGC 27962
NGC	2983	H289-3	Glxy SB(rs)0+	12.8	ESO 566-3 MCG -3-25-17 UGC A176 PGC 27840
NGC	2975		Glxy E/S0	15.4	PGC 27664
NGC	2962		Glxy (R)SAB(rs)0+	13	UGC 5167 MCG 1-25-11 CGCG 35-28 PGC 27635
IC	553		Glxy (R')SB(rs)a pec	14.7	MCG -1-25-16 PGC 27625
IC	549		Glxy	15	MCG 1-25-10 CGCG 35-27 PGC 27622
NGC	2960		Glxy Sa?	13.3	UGC 5159 MCG 1-25-9 MK 1419 CGCG 35-26 IRAS 9380+348 KARA359 PGC 27619
IC	550		Glxy L	14.5	MCG -1-25-14 PGC 27607
NGC	2951		Glxy E	15.1	MCG 0-25-6 CGCG 7-17 PGC 27562
NGC	2956		Glxy SB(s)b?	15.2	ESO 565-34 IRAS 9369-1852 PGC 27531
NGC	2945		Glxy SA0-:	13.2	ESO 565-28 MCG -4-23-10 IRAS 9354-2148 PGC 27418
NGC	2952		Glxy Sd	15.8	PGC 27411
NGC	2935	H556-2	Glxy (R')SAB(s)b	12.1	ESO 565-23 MCG -3-25-11 UGC A169 IRAS 9344-2054 PGC 27351

## Hydra - The Water Snake

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 2947		Glxy SAB(r)bc	13.2	IC 547 PGC 27309 MCG -2-25-4 IRAS 9336-1212
IC 2494		Non-Existent		IC 547 MCG -2-25-4 IRAS 9336-1212 PGC 27309
IC 547		Non-Existent		
NGC 2924		Glxy E+:	13	MCG -3-25-8 PGC 27253
IC 546		Glxy SB(rs)0+	14.5	MCG -3-25-7 PGC 27234
NGC 2921	H597-3	Glxy (R')SAB(rs)a p	12.9	ESO 565-17 MCG -3-25-6 IRAS 9321-2041 PGC 27214
NGC 2917		Glxy S0+	14.6	UGC 5098 MCG 0-25-2 CGCG 7-3 PGC 27207
NGC 2920		Glxy Sa pec:	13.9	ESO 565-15 IRAS 9318-2038 PGC 27197
NGC 2907	H506-2	Glxy SA(s)a? sp	12.7	MCG -3-25-2 IRAS 9292-1630 PGC 27048
IC 2489		Non-Existent		IC 2487 UGC 5059 MCG 3-24-61 CGCG 91-98 IRAS 9273+2018 KARA340 PGC 26966
IC 542		Glxy (R')SB(rs)0/a:	14.8	MCG -2-24-31 IRAS 9286-1257 PGC 27012
NGC 2902	H276-3	Glxy SA(s)0^:	12.2	IC 543 MCG -2-24-30 PGC 27004
IC 543		Non-Existent		MCG -2-24-30 PGC 27004
IC 541		Non-Existent		
NGC 2900		Glxy SBcd:	13.7	UGC 5065 MCG 1-24-26 CGCG 34-55 IRAS 9276+421 KARA343 PGC 26974
NGC 2898		Glxy S0+ pec:	14.4	MCG 0-24-18 CGCG 6-48 IRAS 9271+217 PGC 26950
NGC 2897		Glxy S0	15.9	PGC 26949
IC 539		Glxy Scd:	14.1	UGC 5054 MCG 0-24-17 CGCG 6-47 IRAS 9266-219 PGC 26909
IC 2481		Glxy S?	14.5	UGC 5040A MCG 1-24-22 CGCG 34-47 IRAS 9248+408 PGC 26826
NGC 2886		Non-Existent		
NGC 2890		Glxy E/S0	15.1	MCG -2-24-24 PGC 26778
NGC 2884		Glxy S0/a?	13.2	MCG -2-24-22 IRAS 9239-1120 PGC 26773
NGC 2878		Glxy Sa:	15.1	UGC 5022 MCG 0-24-14 CGCG 6-42 PGC 26739
NGC 2877		Glxy Pec	15.1	MCG 0-24-15 CGCG 6-43 ARAK201 IRAS 9231+226 PGC 26738
NGC 2879		Non-Existent		
IC 537		Glxy (R)S0/a?	13.7	MCG -2-24-20 IRAS 9229-1210 PGC 26717
NGC 2876		Glxy (R')S0^ pec?	14.5	MCG -1-24-16 PGC 26710
IC 2471		Glxy S0^ pec:	14.5	MCG -1-24-15 PGC 26707
NGC 2864		Glxy Sc	14.8	MCG 1-24-20 CGCG 34-44 IRAS 9216+609 PGC 26644
NGC 2869		Non-Existent		NGC 2863 PGC 26609 MCG -2-24-18 IRAS 9211-1012
NGC 2861		Glxy SB(r)bc	13.5	UGC 4999 MCG 0-24-10 CGCG 6-38 IRAS 9210+220 PGC 26607
NGC 2865		Glxy E3-4	12.6	ESO 498-1 MCG -4-22-11 PGC 26601
NGC 2858		Glxy S0/a	13.6	UGC 4989 MCG 1-24-17 CGCG 34-40 PGC 26556
IC 535		Glxy	15.6	CGCG 6-34 PGC 26524
IC 534		Glxy Sb	14.9	UGC 4968 CGCG 34-33 PGC 26471
NGC 2850		Glxy S0	15.1	PGC 26452
NGC 2851		Glxy SA0^:	14.4	MCG -3-24-8 PGC 26422
IC 533		Glxy		
NGC 2848	H488-3	Glxy SAB(s)c:	12.4	MCG -3-24-7 UGC A160 IRAS 9178-1618 PGC 26404
NGC 2847		Knt in Glxy GxyP		
NGC 2846		Non-Existent		
NGC 3314		Non-Existent	14	NGC 3314A
NGC 3936		Glxy SB(s)bc: sp	12.8	ESO 504-20 MCG -4-28-4 UGC A248 IRAS 11497-2637 PGC 37178
NGC 3923	H259-1	Glxy E4-5	10.8	ESO 440-17 MCG -5-28-12 PGC 37061
NGC 3904	H864-2	Glxy E2-3:	11.8	ESO 440-13 MCG -5-28-9 PGC 36918

## Hydra - The Water Snake

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 3885	H828-3	Glxy SA(s)0/a	11.9	ESO 440-7 MCG -5-28-6 IRAS 11442-2738 PGC 36737
IC 2913		Glxy SA(r)0+:	13.7	ESO 439-16 MCG -5-27-16 IRAS 11293-3008 PGC 35554
NGC 3717		Glxy SAB: sp	12.2	ESO 439-15 MCG -5-27-15 UGC A238 IRAS 11290-3001 PGC 35539
IC 2764		Glxy (R)SA(rs)0/a	13.1	ESO 439-8 MCG -5-27-12 PGC 35222
NGC 3673		Glxy SB(rs)b	12.3	ESO 503-16 MCG -4-27-10 UGC A236 IRAS 11227-2627 PGC 35097
NGC 3617		Glxy E+	13.7	ESO 503-12 MCG -4-27-8 UGC A231 PGC 34513
NGC 3483		Glxy (R')SA(r)0+:	13.1	ESO 438-1 MCG -5-26-16 PGC 33060
NGC 3463		Glxy Sb	13.8	ESO 502-2 MCG -4-26-14 IRAS 10528-2552 PGC 32813
NGC 3464		Glxy SB(rs)c	13	ESO 569-22 MCG -3-28-21 UGC A222 IRAS 10521-2047 PGC 32778
NGC 3453		Glxy SB(s)b:	13.8	ESO 569-17 MCG -4-26-13 IRAS 10512-2131 PGC 32707
NGC 3422		Glxy S0+? sp	15	MCG -2-28-15 PGC 32534
NGC 3421		Glxy (R')SB(rs)a pec	12.8	IC 652 PGC 32514 MCG -2-28-13
IC 652		Non-Existent		MCG -2-28-13 PGC 32514
IC 650		Glxy		
IC 647		Glxy		
NGC 3411	H522-3	Non-Existent		NGC 3402 PGC 32479 MCG -2-28-12
NGC 3409		Glxy SBc? sp	16	MCG -3-28-12 PGC 32470
NGC 3404		Glxy SBab? sp	14	IC 2609 PGC 32466 MCG -2-28-11 IRAS 10477-1150
IC 2609		Non-Existent		NGC 3404 MCG -2-28-11 IRAS 10477-1150 PGC 32466
NGC 3420		Glxy (R)SB(rs)a:	14.5	MCG -3-28-11 PGC 32453
NGC 3402		Glxy E+		NGC 3411 PGC 32444
NGC 3393		Glxy (R')SB(rs)a:	13.1	ESO 501-100 MCG -4-26-11 PGC 32300
NGC 3390		Glxy Sb sp	12.9	ESO 437-62 MCG -5-26-7 IRAS 10457-3116 PGC 32271
NGC 3450		Glxy SB(r)b	12.7	ESO 569-6 MCG -3-28-4 UGC A218 IRAS 10456-2034 PGC 32270
NGC 3383		Glxy SB(rs)bc?	13.5	ESO 501-97 MCG -4-26-10 IRAS 10449-2410 PGC 32224
NGC 3369		Glxy SA0-?	14.6	ESO 501-95 MCG -4-26-9 PGC 32191
NGC 3355		Glxy		
NGC 3331		Glxy SB(s)c:	13.9	ESO 501-72 MCG -4-25-56 IRAS 10377-2333 PGC 31743
NGC 3335		Glxy SAB(r)0+:	14	ESO 501-71 MCG -4-25-55 PGC 31706
NGC 3313		Glxy (R')SB(rs)ab	12.2	ESO 501-50 MCG -4-25-44 UGC A213 IRAS 10350-2503 PGC 31551
NGC 3317		Non-Existent		
IC 629		Non-Existent		ESO 501-43 MCG -4-25-39 IRAS 10346-2718 PGC 31513
IC 625		Glxy		
IC 2593		Non-Existent		
NGC 3307		Glxy SB(r)0/a pec?	14.5	ESO 501-31 MCG -4-25-29 PGC 31430
IC 2594		Glxy SA0-	13.4	ESO 501-28 MCG -4-25-28 PGC 31405
NGC 3285B		Glxy SAB(r)b:	13.9	ESO 501-18 MCG -4-25-22 IRAS 10322-2723 PGC 31293
NGC 3285		Glxy SB(s)a pec	13.1	ESO 501-15 MCG -4-25-19 IRAS 10312-2711 PGC 31217
NGC 3297		Glxy S0	15.5	PGC 31189
NGC 3285A		Glxy SB(rs)cd:	14.5	ESO 501-8 MCG -4-25-15 PGC 31161
NGC 3280		Glxy E/S0	16	MCG -2-27-8 PGC 31158
NGC 3295C		Non-Existent		
NGC 3280C		Glxy E-S0	15	
NGC 3295B		Non-Existent		
NGC 3280B		Glxy E/S0	16.3	NGC 3295B PGC 31156 NGC 3280 MCG -2-27-7

## Hydra - The Water Snake

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 3296		Glxy E	15.3	IC 618 PGC 31155
IC 618		Non-Existent		PGC 31155
NGC 3295A		Non-Existent		
NGC 3280A		Glxy E/S0	15.1	NGC 3295A PGC 31153 NGC 3280 MCG -2-27-6
IC 617		Non-Existent		
NGC 3295		Glxy		
NGC 3282		Glxy (R)SB(r)0 <sup>^</sup> ?	14	ESO 568-16 MCG -4-25-13 PGC 31129
IC 2589		Glxy S?	14.2	ESO 501-4 IRAS 10299-2346 PGC 31126
IC 2586		Glxy E4	13.5	ESO 436-30 MCG -5-25-8 IRAS 10288-2824 PGC 31025
NGC 3240		Glxy SA(rs)cd:	13.9	ESO 568-3 MCG -4-25-7 IRAS 10221-2132 PGC 30515
NGC 3233		Glxy (R')SB(r)0/a	13.5	ESO 568-1 MCG -4-25-4 IRAS 10195-2200 PGC 30336
NGC 3208		Glxy SAB(rs)bc	13.4	ESO 500-25 MCG -4-25-3 IRAS 10173-2533 PGC 30180
NGC 3203		Glxy SA(r)0+? sp	13.1	ESO 500-24 MCG -4-25-2 PGC 30177
NGC 3200		Glxy SAB(rs)c:	12.8	ESO 567-45 MCG -3-26-37 UGC A210 PGC 30108
NGC 3178		Glxy SA(rs)cd pec:	14.7	MCG -3-26-34 PGC 29980
NGC 3171		Glxy S0- pec	13.8	ESO 567-31 MCG -3-26-32 PGC 29950
NGC 3176		Non-Existent		
NGC 3146		Glxy SB(r)b?	13.9	ESO 567-23 MCG -3-26-29 PGC 29663
NGC 3139		Glxy S0 <sup>^</sup> pec:	15	MCG -2-26-34 PGC 29583
NGC 3143		Glxy SB(s)b	14.9	MCG -2-26-33 PGC 29579
NGC 3140		Glxy Sc	14.8	MCG -3-26-28 PGC 29548
NGC 3141		Glxy Sbc	15.4	PGC 29544
NGC 3138		Glxy Sbc	14.9	MCG -2-26-32 PGC 29532
NGC 3133		Glxy Sb	16.1	PGC 29417
NGC 3124		Glxy SAB(rs)bc	12.9	ESO 567-17 MCG -3-26-24 UGC A202 PGC 29377
IC 532		Non-Existent		
NGC 2837		Non-Existent		
NGC 2835		Glxy SB(rs)c	11	ESO 564-35 MCG -4-22-8 UGC A157 IRAS 9156-2208 PGC 26259
IC 531		Glxy (R')SB(rs)ab?	14.4	UGC 4923 MCG 0-24-6 CGCG 6-28 IRAS 9152-4 PGC 26258
NGC 2817		Glxy SAB(rs)c	13.4	MCG -1-24-6 IRAS 9146-432 PGC 26223
NGC 2815	H242-3	Glxy SB(r)b:	12.8	ESO 497-32 MCG -4-22-6 UGC A156 IRAS 9140-2325 PGC 26157
NGC 2763	H275-3	Glxy SB(r)cd pec	12.6	MCG -2-23-10 IRAS 9044-1517 PGC 25570
IC 2403		Non-Existent		
NGC 2665		Glxy (R)SB(rs)a	12.9	ESO 563-19 MCG -3-23-4 UGC A144 IRAS 8437-1907 PGC 24634
NGC 2662		Glxy E	14.5	MCG -2-23-2 PGC 24612
NGC 2652		Non-Existent		
NGC 2644		Glxy S?	13.3	UGC 4533 MCG 1-22-16 CGCG 32-52 IRAS 8389+509 KARA279 PGC 24425
IC 519		Glxy C	15.4	CGCG 32-51 PGC 24389
IC 518		Non-Existent		
IC 517		Glxy	15.4	CGCG 4-82 PGC 24179
NGC 2618	H257-3	Glxy (R')SA(rs)ab	13	UGC 4492 MCG 0-22-23 CGCG 4-74 PGC 24156
NGC 2707		Non-Existent		
NGC 2708	H281-2	Glxy Sb	12	
NGC 2727		Non-Existent		NGC 2708 PGC 25097 MCG 0-23-15 CGCG 5-34 IRAS 8535-309
NGC 2705		Non-Existent		

## Hydra - The Water Snake

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 2703		Non-Existent		
NGC 2699		Glxy E:	13.6	MCG 0-23-14 CGCG 5-33 ARAK187 PGC 25075
IC 2425		Non-Existent		
NGC 2700		Non-Existent		
NGC 2702		Non-Existent		STAR PGC 25072
NGC 2721	H529-2	Glxy SB(rs)bc pec	12.5	MCG -1-23-15 PGC 25231
NGC 2733		Non-Existent		NGC 2722 PGC 25221 MCG -1-23-14 IRAS 8562-330
NGC 2722	H264-3	Glxy Sbc	12.7	
IC 2426		Glxy	15.1	MCG 1-23-14 CGCG 33-33 PGC 25208
IC 524		Glxy S0	15	ESO 564-1 PGC 25198
NGC 2716		Glxy (R)SB(r)0+	12.7	UGC 4692 MCG 1-23-7 CGCG 33-29 PGC 25172
NGC 2713		Glxy SB(rs)ab	12.7	UGC 4691 MCG 1-23-6 CGCG 33-28 IRAS 8547+306 PGC 25161
NGC 2709		Glxy SA0^ pec:	14.6	MCG 0-23-16 CGCG 5-35 PGC 25103
NGC 2706		Glxy Sbc? sp	13.8	UGC 4680 MCG 0-23-17 CGCG 5-36 IRAS 8536-222 PGC 25102
IC 2437		Glxy SAB(rs)0-:	13.9	ESO 564-21 MCG -3-23-20 PGC 25518
NGC 2758		Glxy (R')SBbc pec?	14	ESO 564-20 MCG -3-23-19 IRAS 9032-1850 PGC 25515
NGC 2757		Non-Existent		
IC 2436		Non-Existent		
NGC 2754		Glxy S0^ pec	15.2	ESO 564-16 PGC 25504
IC 2432		Glxy	15.5	CGCG 33-56 PGC 25479
NGC 2729		Glxy S0?	14.4	UGC 4737 MCG 1-23-18 CGCG 33-46 ARAK191 PGC 25352
IC 525		Glxy S	15	UGC 4735 MCG 0-23-19 CGCG 5-46 KARA295 PGC 25344
NGC 2723		Glxy S0^:	14.2	UGC 4723 MCG 1-23-17 CGCG 33-39 PGC 25280
NGC 2698		Glxy SA0+?	13.6	MCG 0-23-12 CGCG 5-30 PGC 25067
NGC 2697		Glxy SA(s)0+:	13.3	MCG 0-23-11 CGCG 5-27 IRAS 8524-247 PGC 25029
NGC 2695	H280-2	Glxy SAB(s)0^?	12.8	MCG 0-23-10 CGCG 5-25 PGC 25003
NGC 2696		Glxy		
NGC 2690		Glxy Sab: sp	14	UGC 4647 MCG 0-23-8 CGCG 5-20 PGC 24926
IC 2420		Glxy C	15	CGCG 33-14 PGC 24883
NGC 2674		Glxy Sa	16.5	PGC 24785
IC 521		Glxy	14.8	MCG 1-23-2 CGCG 33-4 PGC 24658
NGC 2617		Glxy S0/a pec:	14.1	MCG -1-22-27 PGC 24136
IC 515		Glxy S	15.3	UGC 4488 CGCG 4-68 PGC 24125
IC 513		Glxy SB(rs)0^?	14.5	MCG -2-22-19 PGC 23983
NGC 2612		Glxy S0- sp	13.5	MCG -2-22-20 PGC 24028
IC 514		Glxy	15.3	CGCG 4-66 PGC 24119
NGC 2615		Glxy SB(rs)b	13.3	UGC 4481 MCG 0-22-19 CGCG 4-59 IRAS 8320-222 PGC 24071
IC 507		Non-Existent		NGC 2590 UGC 4392 MCG 0-22-10 CGCG 4-20 IRAS 8224-25 PGC 23616

**Sub Total: 308**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
ABELL 35		PI Neb 3a	12	PK 303+40.1
IC 505		Glxy S	14.7	UGC 4382 MCG 1-22-8 CGCG 32-15 PGC 23528

## Hydra - The Water Snake

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 506		Glxy E/S0	14.7	MCG 1-22-9 CGCG 32-16 PGC 23536
IC 510		Glxy SB	14.7	UGC 4460 MCG 0-22-15 CGCG 4-46 PGC 23940
IC 879		Glxy SBab	13.2	IC 4222 IC 879 ESO 508-47 MCG -4-31-52 PGC 46479
IC 504		Glxy S0	14	UGC 4372 MCG 1-22-5 CGCG 32-8 PGC 23495
IC 503		Glxy SBa	13.9	UGC 4366 MCG 1-22-4 CGCG 32-6 IRAS 8195+325 PGC 23474
NGC 2548	H22-6	Open Cl 8.0 I 3 r	5.8	M 48 Cr 179
NGC 2555	H256-3	Glxy SB(rs)ab	13.1	UGC 4319 MCG 0-21-12 CGCG 3-28 IRAS 8153+54 PGC 23259
NGC 2574		Glxy SB(rs)ab:	13.7	MCG -1-22-3 IRAS 8183-845 PGC 23418
NGC 2585		Glxy SB(s)b pec	14.5	MCG -1-22-10 IRAS 8209-445 PGC 23537
NGC 2584		Glxy SB(s)bc?	14.5	MCG -1-22-9 PGC 23523
NGC 2583		Glxy E:	14.4	MCG -1-22-8 PGC 23516
NGC 2561		Glxy SB?	14.1	UGC 4336 MCG 1-22-1 CGCG 31-81 CGCG 32-1 IRAS 8169+448 PGC 23351
NGC 2586		Glxy		MCG -1-22-12 PGC 23603
NGC 3242	H27-4	PI Neb 4+3b	8.6	Ghost of Jupiter ESO 568-5
NGC 2986	H311-2	Glxy E2	11.7	ESO 566-5 MCG -3-25-19 UGC A178 PGC 27885
NGC 2937		Glxy E	14.6	UGC 5131 MCG 1-25-6 CGCG 35-15 VV 316 ARP 142 PGC 27423
NGC 2936		Glxy I?	13.9	UGC 5130 MCG 1-25-5 CGCG 35-15 VV 316 ARP 142 PGC 27422
NGC 2889	H555-2	Glxy SAB(rs)c	12.4	MCG -2-24-26 IRAS 9247-1125 PGC 26806
NGC 2881		Glxy S?	14.1	MCG -2-24-21 VV 293 ARP 275 IRAS 9234-1146 PGC 26747
NGC 2868		Glxy E/S0	15.9	PGC 26598
NGC 2863	H520-3	Glxy Sm	12.9	
NGC 2855	H132-1	Glxy (R)SA(rs)0/a	12.6	MCG -2-24-15 UGC A161 IRAS 9190-1141 PGC 26483
NGC 5236		Glxy SAB(s)c	8.2	M 83 CGCG 459-49 PGC 48082
NGC 5078	H566-2	Glxy SA(s)a: sp	12	ESO 508-48 MCG -4-32-1 IRAS 13170-2708 PGC 46490
NGC 5061	H138-1	Glxy E0	11.3	ESO 508-38 MCG -4-31-48 PGC 46330
NGC 4590		Globular	7.3	M 68
NGC 4106	H866-2	Glxy SB(s)0+	12.4	ESO 440-56 MCG -5-29-14 PGC 38417
NGC 4105	H865-2	Glxy E3	11.6	ESO 440-54 MCG -5-29-13 PGC 38411
NGC 3621	H241-1	Glxy SA(s)d	9.5	ESO 377-37 MCG -5-27-8 UGC A232 IRAS 11159-3235 PGC 34554
NGC 3606		Glxy E0:	13.4	ESO 377-32 MCG -5-27-4 PGC 34378
NGC 3585	H269-2	Glxy E6	10.9	ESO 502-25 MCG -4-27-4 PGC 34160
NGC 5694	H196-2	Globular	10.2	
NGC 2811	H505-2	Glxy SB(rs)a	12.2	MCG -3-24-3 UGC A155 IRAS 9138-1606 PGC 26151
NGC 2784	H59-1	Glxy SA(s)0^:	11.3	ESO 497-23 MCG -4-22-5 UGC A152 PGC 25950
NGC 2781	H66-1	Glxy SAB(r)0+	12.5	MCG -2-24-2 IRAS 9091-1436 PGC 25907
NGC 2765	H520-2	Glxy S0	13.1	UGC 4791 MCG 1-24-1 CGCG 33-61 KARA303 PGC 25646
NGC 2718	H557-2	Glxy (R')SAB(s)ab	12.7	UGC 4707 MCG 1-23-15 MK 703 CGCG 33-34 IRAS 8561+629 PGC 25225
NGC 2642		Glxy SB(r)bc	13.4	MCG -1-22-33 IRAS 8382-356 PGC 24395
NGC 2610	H35-4	PI Neb 4+2	13.6	Sanduleak 2-27 PK 239+13.1 PNG 239.6+13.9
NGC 2590		Glxy SA(s)bc:	13.9	IC 507 PGC 23616 UGC 4392 MCG 0-22-10 CGCG 4-20 IRAS 8224-25
NGC 3305		Glxy E0	13.8	ESO 501-30 MCG -4-25-31 PGC 31421
NGC 3290		Glxy SAB(rs)bc: pec	15.2	ARP 53 PGC 31346
NGC 3145	H518-3	Glxy SB(rs)bc	12.5	MCG -2-26-36 PGC 29591
NGC 3128		Glxy SB(s)b?	14	MCG -3-26-20 PGC 29330
NGC 3127		Glxy Sb: sp	14.3	MCG -3-26-22 PGC 29357

## Hydra - The Water Snake

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 3096		Glxy SB(rs)0^	14.4	ESO 566-42 MCG -3-26-8 Hickson 42B PGC 28950
NGC 3091	H293-2	Glxy E3:	12.1	ESO 566-41 MCG -3-26-7 Hickson 42A PGC 28927
NGC 3085		Glxy S0^: sp	14	ESO 566-38 MCG -3-26-3 PGC 28875
NGC 3078	H268-2	Glxy E2-3	12.1	ESO 499-27 MCG -4-24-9 PGC 28806
NGC 3336		Glxy SAB(rs)c pec	13	ESO 437-36 MCG -5-25-36 IRAS 10379-2730 PGC 31754
NGC 3316		Glxy SB(rs)0^:	13.6	ESO 501-54 MCG -4-25-46 PGC 31571
NGC 3315		Glxy S0-?	14.4	ESO 501-48 MCG -4-25-42 PGC 31540
NGC 3314B		Glxy SA(s)c:	13.5	
NGC 3314A		Glxy Sab: sp	14	NGC 3314 ESO 501-46 MCG -4-25-41 PGC 31531
NGC 3312		Glxy SA(s)b pec?	12.7	IC 629 PGC 31513 ESO 501-43 MCG -4-25-39 IRAS 10346-2718
NGC 3311		Glxy E+2	11.6	ESO 501-38 MCG -4-25-36 PGC 31478
NGC 3309		Glxy E3	12.6	ESO 501-36 MCG -4-25-34 PGC 31466
NGC 3308		Glxy SAB(s)0-:	12.9	ESO 501-34 MCG -4-25-32 PGC 31438
NGC 2993	H278-3	Glxy Sa pec	13.1	MCG -2-25-15 ARP 245 IRAS 9434-1408 PGC 27991
NGC 2992	H277-3	Glxy Sa pec	13.1	MCG -2-25-14 ARP 245 IRAS 9432-1405 PGC 27982
IC 2327		Glxy Sa?	14.2	UGC 4356 MCG 1-22-2 CGCG 32-4 IRAS 8188+319 PGC 23447
MAC 0944-2117		Glxy	16	
MAC 0937+0246		Glxy	16.5	ARP 142
MAC 0936-1120		Glxy	16	
MAC 0936-1119		Glxy	15.5	
MAC 0936-1117		Glxy	16.5	
MAC 0925-1159		Glxy	15.5	ARP 275
MAC 0912-2414		Glxy	16.5	
MAC 0912-2410		Glxy	16.5	
IC 4351		Glxy SA(s)b: sp	12.6	ESO 445-84 MCG -5-33-34 UGC A376 IRAS 13550-2904 PGC 49676
IC 3152		Glxy SA0-	13.5	ESO 506-1 MCG -4-29-18 PGC 39688
IC 3005		Glxy SBcd? sp	13.8	ESO 441-2 MCG -5-29-18 IRAS 12046-2944 PGC 38464
IC 2597		Glxy E+4	12.8	ESO 501-58 MCG -4-25-51 Hickson 48A PGC 31586
MAC 1330-2930A		Glxy	15.5	
MAC 1037-2741		Glxy	16.5	
MAC 1037-2647		Glxy	15.5	
MAC 1036-2723B		Glxy	15	
MAC 1036-2723A		Glxy	16.5	
MAC 1036-2709		Glxy	15.5	
IC 2482		Glxy E+	12.6	MCG -2-24-25 PGC 26796
PGC 23493		Glxy C	15	CGCG 32-9
PGC 24889		Glxy S pec:	14	UGC 4638 MCG 0-23-5 CGCG 5-18 VV 41 ARP 257
PGC 24893		Glxy SAB(rs)c:	13.6	UGC 4640 MCG 0-23-7 CGCG 5-19 IRAS 8491-156
PGC 25926		Glxy Scd: sp	14.4	ESO 564-27 MCG -3-24-1 UGC A151 IRAS 9096-1954
PGC 52411		Glxy Sb sp	14.3	ESO 512-12 MCG -4-35-3 IRAS 14372-2533
PGC 47407		Glxy E	15.4	Hickson 65E
PGC 47406		Glxy S0?	15.3	Hickson 65B
PGC 47403		Glxy S?	15.5	Hickson 65C
PGC 47401		Glxy E?	15.6	Hickson 65D
PGC 47398		Glxy		

## Hydra - The Water Snake

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 47397		Glxy S0?	14.4	ESO 444-55 Hickson 65A
PGC 46309		Glxy S	16.5	ESO 508-35
PGC 43021		Glxy Sbc: sp	14.1	ESO 507-7 MCG -4-30-14 IRAS 12430-2558
PGC 39768		Glxy Sbc: sp	14.6	ESO 506-02 MCG -4-29-19
PGC 32550		Glxy SB(s)cd:	13.8	ESO 569-14 MCG -3-28-15 UGC A221 IRAS 10489-1937
PGC 31805		Glxy SA(s)c:	13.5	ESO 501-75 MCG -4-25-57 IRAS 10386-2649
PGC 31692		Glxy SB(rs)bc pec:	14.6	ESO 437-32 MCG -5-25-32 ANON 1037-27
PGC 31683		Glxy S?	14.3	ESO 501-68 MCG -4-25-53
PGC 31659		Glxy S0?	14.8	ESO 501-66
PGC 31646		Glxy S0?	15.5	ESO 437-27
PGC 31642		Glxy S?	14.5	ESO 437-25 MCG -5-25-29 IRAS 10363-2818
PGC 31638		Glxy SB(s)d: pec	13.7	ESO 501-65 MCG -4-25-52 IRAS 10361-2728
PGC 31626		Glxy SBbc: sp	14.9	ESO 437-22 MCG -5-25-28
PGC 31616		Glxy S0?	14	ESO 437-21 MCG -5-25-27
PGC 31593		Glxy SB?	14.2	ESO 437-19 MCG -5-25-26
PGC 31588		Glxy S?	15	ESO 501-59 MCG -4-25-50 IRAS 10354-2651 Hickson 48B
PGC 31580		Glxy S	17	Hickson 48D
PGC 31577		Glxy S?	16.4	Hickson 48C
PGC 31569		Glxy L	15.1	ESO 501-52 MCG -4-25-47
PGC 31550		Glxy		
PGC 31542		Glxy S0?	15.1	ESO 501-49
PGC 31523		Glxy		
PGC 31517		Glxy		
PGC 31504		Glxy SB(s)0^: sp	13.5	ESO 437-15 MCG -5-25-25
PGC 31495		Glxy S0?	14.6	ESO 437-13 MCG -5-25-24
PGC 31494		Glxy SB?	15.3	ESO 501-41 MCG -4-25-37
PGC 31488		Glxy S0?	14.3	ESO 437-11 MCG -5-25-22
PGC 31483		Glxy		
PGC 31476		Glxy S0- sp		ANON 1034-27A
PGC 31464		Glxy		
PGC 31462		Glxy E?	14.8	ESO 437-9
PGC 31456		Glxy S0?	14.6	ESO 437-8 MCG -5-25-21
PGC 31454		Glxy		
PGC 31453		Glxy		
PGC 31450		Glxy		
PGC 31447		Glxy		
PGC 31443		Glxy SB(r)0^:	14.2	ESO 501-35 MCG -4-25-33
PGC 31441		Glxy		
PGC 31418		Glxy		
PGC 29346		Glxy SBc? sp	14.5	MCG -3-26-21
PGC 28926		Glxy S0?	16.2	Hickson 42D
PGC 28922		Glxy E?	14.2	MCG -3-26-6 Hickson 42C
PGC 27513		Glxy SA(r)0-: pec	15	MCG -1-25-10 VV 116 ARP 321 ANON 936-4B Hickson 40B
PGC 27509		Glxy E	13.8	MCG -1-25-9 VV 116 ARP 321 ANON 936-4A Hickson 40A
PGC 27508		Glxy SB(rs)b pec sp	15.7	MCG -1-25-8 VV 116 ARP 321 IRAS 9364-437 ANON 936-4C Hickson 40C

## Hydra - The Water Snake

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 27333		Glxy S	13.6	MCG -2-25-6 ARP 221
PGC 26931		Glxy L	17.3	Hickson 39C
PGC 26929		Glxy E	17.5	Hickson 39B
PGC 26926		Glxy Chain	16.9	UGC 5057 Hickson 39A
PGC 26925		Glxy L	17.7	Hickson 39D
PGC 25886		Glxy SAB(rs)b: sp	11.9	MCG -1-24-1 UGC A150 ANON 908-8
PGC 27929		Glxy S	15.6	ESO 566-8 MCG -3-25-19B ARP 252 IRAS 9426-1928
PGC 27928		Glxy SBb pec?	15.3	ESO 566-7 MCG -3-25-19A ARP 252
PGC 27873		Glxy Sa	14.3	ESO 566-4 MCG -3-25-18
PGC 27603		Glxy	15.3	KARA-DWARF
PGC 27516		Glxy SB(s)0/a pec:	15.1	MCG -1-25-12 VV 116 ARP 321 ANON 936-4D Hickson 40D
PGC 27515		Glxy SAB(s)a pec:	17.3	MCG -1-25-11 VV 116 ARP 321 ANON 936-4E Hickson 40E
PGC 24890		Glxy I	15.6	MCG 0-23-6 VV 41 ARP 257
PGC 23518		Glxy S	15.7	MCG -1-22-7 FAIR273 IRAS 8207-448
PGC 23509		Glxy C	14.4	MCG 1-22-7 CGCG 32-12

**Sub Total: 152****Total: 460**

## Hydrus - The Little Water Snake

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 1708		Open Cl		
NGC 1629		Open Cl		
NGC 1557		Non-Existent		
NGC 1511B		Glxy SBd? sp	15.1	ESO 55-6 PGC 14279
NGC 1511A		Glxy SBa? sp	14.2	ESO 55-5 IRAS 4001-6756 PGC 14255
NGC 1511		Glxy SAa pec:	11.9	ESO 55-4 IRAS 3594-6746 PGC 14236
NGC 1473		Glxy IB(s)m:	13.4	ESO 54-19 IRAS 3472-6822 PGC 13853
NGC 1466		Globular	11.4	
NGC 813		Glxy SAB(r)0/a: pec	13.8	ESO 52-16 PGC 7692
NGC 802		Glxy SAB(s)0+ pec:	13.7	ESO 52-13 PGC 7505
NGC 796		Open Cl		
NGC 643C		Glxy Scd: sp	15.6	ESO 30-1 PGC 6256
IC 1717		Non-Existent		
NGC 643		Open Cl OCL		ESO 29-53 IRAS 1384-7515 PGC 6117
NGC 646		Glxy SAB(s)c pec:	14.2	ESO 80-2 VV 443 IRAS 1357-6508 PGC 6010
NGC 643B		Glxy SB0	13.5	
NGC 643A		Open Cl OCL		
NGC 602		Nebula		

**Sub Total: 18****Total: 18**

## Indus - The Indian

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 6918		Glxy (R')SB(r)0/a:	14.4	ESO 234-40 FAIR345 IRAS 20272-4738 PGC 64851
NGC 6935		Glxy (R')SA(r)a	12.8	ESO 234-59 FAIR906 IRAS 20346-5217 PGC 65112
NGC 6942		Glxy (R')SB(rs)0/a:	12.7	ESO 186-73 PGC 65172
NGC 6948		Glxy SA(s)a: sp	13.8	ESO 187-9 IRAS 20397-5332 PGC 65256
NGC 6970		Glxy SB(rs)ab pec:	13.2	ESO 235-8 IRAS 20486-4857 PGC 65608
IC 5063		Glxy SA(s)0+:	12.9	ESO 187-23 IRAS 20481-5715 PGC 65600
IC 5059		Glxy S	15.5	ESO 144-6 PGC 65539
IC 5043		Glxy S	16.4	ESO 187-14 PGC 65355
IC 5037		Glxy S	16.5	ESO 144-3 PGC 65327
IC 5036		Glxy S	16.3	ESO 144-2 PGC 65296
IC 5035		Glxy	15.9	ESO 187-11 PGC 65285
IC 5033		Glxy S	15.3	ESO 144-1 PGC 65272
IC 5034		Glxy SA(s)bc	14.6	ESO 187-10 PGC 65261
IC 5079		Non-Existent		ESO 187-49 PGC 66096
NGC 7007		Glxy SA0-:	12.9	ESO 187-48 PGC 66069
NGC 7004		Glxy (R')SAB(s)0/a:	13.8	ESO 235-46 FAIR938 PGC 66019
NGC 7002		Glxy E1 pec?	13.5	ESO 235-43 PGC 66009
NGC 6990		Glxy Sa:	14	ESO 187-43 IRAS 20562-5545 PGC 65862
NGC 6987		Glxy E0:	13.4	ESO 235-21 IRAS 20546-4849 PGC 65807
NGC 6984		Glxy SB(r)c	13.2	ESO 235-20 IRAS 20543-5203 PGC 65798
NGC 6982		Glxy (R)SB(rs)a pec?	14.4	ESO 235-19 IRAS 20537-5203 PGC 65776
IC 5064		Glxy (R)SB(s)a?	14.3	ESO 187-28 IRAS 20487-5725 PGC 65634
NGC 7049		Glxy SA(s)0^	11.7	ESO 236-1 IRAS 21156-4846 PGC 66549
NGC 7041A		Glxy SBd	14.1	
NGC 7041B		Glxy S?	15	
NGC 7041		Glxy SA(rs)0-:	12.1	ESO 235-82 PGC 66463
NGC 7038A		Glxy SBc	14.6	
NGC 7038		Glxy SAB(s)c:	12.6	ESO 286-79 FAIR960 IRAS 21117-4725 PGC 66414
NGC 7029		Glxy E6:	12.4	ESO 235-72 PGC 66318
NGC 7022		Glxy SB(rs)0^	14	ESO 235-65 FAIR952 PGC 66224
NGC 7014		Glxy E+:	13.4	ESO 286-57 PGC 66153
IC 5147		Glxy SB(rs)c:	15.1	ESO 108-9 PGC 67787
IC 5143		Non-Existent		ESO 237-18 PGC 67702
NGC 7155		Glxy SB(r)0^	13.1	IC 5143 PGC 67663 ESO 237-16 FAIR991
IC 5142		Glxy SAB(r)cd:	14.5	ESO 108-6 PGC 67640
NGC 7151		Glxy SAB(rs)cd	13.5	ESO 237-15 PGC 67634
IC 5140		Glxy SBd? sp	15.1	ESO 75-37 PGC 67613
IC 5138		Glxy (R')SB(r)b:	14	ESO 75-34 PGC 67585
IC 5141		Glxy SA(rs)bc:	13.5	ESO 145-22 IRAS 21496-5943 PGC 67580
NGC 7140		Glxy SAB(rs)bc	12.2	NGC 7141 PGC 67532 ESO 189-7 FAIR354 IRAS 21488-5548
IC 5232		Glxy S	15.4	ESO 76-20 PGC 69358
IC 5173A		Glxy S	15.9	ESO 76-8A PGC 68379
IC 5173		Glxy SBc:	16.1	ESO 76-8 PGC 68380
NGC 7216		Glxy SA(rs)0-:	13.5	ESO 76-3 PGC 68291
NGC 7205		Glxy SA(s)bc	11.6	ESO 146-9 PGC 68128

## Indus - The Indian

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 7199		Glxy SB(r)a	13.9	ESO 108-14 PGC 68124
IC 5162		Glxy S	15.1	ESO 189-25 PGC 68108
NGC 7205A		Glxy SAB(s)cd:	14.5	ESO 146-7 IRAS 22041-5742 PGC 68083
NGC 7200		Glxy E+:	13.8	ESO 237-37 PGC 68068
NGC 7655		Glxy (R')SA0^?	14.2	ESO 77-18 PGC 71452
NGC 7633		Glxy (R)SB(r)0/a	13.4	ESO 77-15 PGC 71274
IC 5301		Glxy S	15.4	ESO 77-12 PGC 71040
IC 5288		Glxy S0^: pec	14.7	ESO 77-6 IRAS 23085-6821 PGC 70662
IC 5286		Glxy S	16.2	ESO 77-5 PGC 70595
IC 5279		Glxy Sa: pec	14.3	ESO 77-1 IRAS 22597-6928 PGC 70335
IC 5263		Glxy SB(r)0+	14.2	ESO 76-32 IRAS 22548-6919 PGC 70137
IC 5257		Glxy S?	15.2	ESO 76-29 FAIR199 IRAS 22489-6741 PGC 69885
IC 5256		Glxy SB(s)dm pec	14.6	ESO 76-28 FAIR611 PGC 69820
IC 5252		Glxy (R')SB(rs)bc	13.7	ESO 76-25 IRAS 22446-6910 PGC 69744
NGC 7191		Glxy SAB(s)c:	13.8	ESO 108-13 IRAS 22031-6452 PGC 68059
NGC 7192		Glxy E+:	12.2	ESO 108-12 PGC 68057
IC 5158		Glxy SB(s)m:	15.2	ESO 75-55 PGC 68038
NGC 7196		Glxy E:	12.4	ESO 237-36 IRAS 22026-5021 PGC 68020
NGC 7179		Glxy SB(rs)bc	13.3	ESO 108-11 PGC 67995
IC 5154		Glxy Irr	15.8	ESO 108-10 IRAS 22006-6621 PGC 67984
IC 5152		Glxy IA(s)m	11.1	ESO 237-27 IRAS 21594-5132 PGC 67908
NGC 7168		Glxy E3	12.9	ESO 237-26 PGC 67882
NGC 7141		Non-Existent		
IC 5137		Non-Existent		
NGC 7123		Glxy Sa sp	12.2	ESO 75-27 PGC 67466
IC 5130		Glxy SA(s)bc:	14.5	ESO 48-8 IRAS 21456-7413 PGC 67445
NGC 7126		Glxy SA(rs)c	12.9	ESO 145-18 IRAS 21456-6050 PGC 67418
NGC 7125		Glxy SAB(rs)c	12.8	ESO 145-17 IRAS 21456-6056 PGC 67417
NGC 7124		Glxy SB(rs)bc	13.1	ESO 237-2 ESO 236-49 IRAS 21447-5047 PGC 67375
IC 5129		Glxy S	15.3	ESO 108-3 FAIR980 PGC 67363
IC 5123		Glxy SAB(s)bc?	14.4	ESO 48-6 IRAS 21402-7239 PGC 67283
NGC 7106		Glxy SAB(rs)c:	13.9	ESO 188-17 PGC 67215
IC 5118		Glxy S	15.5	ESO 75-20 PGC 67202
IC 5125		Glxy S(r)bc pec:	14	ESO 188-16 IRAS 21384-5300 PGC 67187
NGC 7096		Glxy SA(s)a	12.8	IC 5121 PGC 67168 ESO 107-46 IRAS 21373-6408
IC 5121		Non-Existent		ESO 107-46 IRAS 21373-6408 PGC 67168
IC 5120		Glxy SAB(s)bc pec?	14.1	ESO 107-41 IRAS 21348-6434 PGC 67093
NGC 7096A		Non-Existent		
IC 5116		Glxy S?	13.9	ESO 75-18 IRAS 21325-7112 PGC 67055
NGC 7090		Glxy SBc? sp	11.3	ESO 188-12 IRAS 21329-5446 PGC 67045
NGC 7083		Glxy SA(s)bc	11.9	ESO 107-36 IRAS 21318-6407 PGC 67023
IC 5109		Glxy E:	14.7	ESO 48-1 PGC 66963
IC 5108		Glxy (R')SB(rs)c:	15.1	ESO 48-25 PGC 66944
IC 5110		Glxy	13.9	ESO 145-7 PGC 66878
NGC 7064		Glxy SB(s)c? sp	13.1	ESO 188-9 IRAS 21255-5259 PGC 66836

## Indus - The Indian

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 7061		Glxy E+4	14.1	ESO 236-13 PGC 66785
IC 5027		Glxy S	15.3	ESO 186-74 FAIR554 PGC 65188
NGC 6937		Glxy (R')SB(r)c:	13.6	ESO 234-60 FAIR349 IRAS 20350-5219 PGC 65125
IC 5021		Glxy	15	ESO 186-61 PGC 64960
IC 5017		Glxy (R)SAB(rs)0^	14.8	ESO 143-29 FAIR72 PGC 64902
<b>Sub Total:</b>		<b>95</b>		
<b>Total:</b>		<b>95</b>		

## Leo Minor - The Little Lion

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 2497		Non-Existent		
NGC 3167		Non-Existent		
NGC 3291		Non-Existent		
IC 641		Non-Existent		
IC 2618		Non-Existent		(STAR)
IC 2610		Non-Existent		
IC 2613		Non-Existent		NGC 3430
IC 2605		Non-Existent		
NGC 3382		Non-Existent		
IC 2603		Non-Existent		
IC 640		Non-Existent		
IC 2564		Non-Existent		
IC 2503		Non-Existent		
IC 2502		Non-Existent		

**Sub Total: 14**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 26704		Glxy SBb	16.2	MCG 7-20-8
PGC 29034		Glxy Sm	14.5	UGC 5391 MCG 6-22-54 CGCG 182-60
PGC 29088		Glxy	15.4	MCG 6-22-58
PGC 30101		Glxy S	15.5	UGC 5560 MCG 6-23-5 CGCG 183-10
PGC 30148		Glxy C	15.5	CGCG 183-12
PGC 30348		Glxy E		MCG 7-21-48
PGC 30385		Glxy S	16.8	MCG 7-21-52
PGC 33573		Glxy SBb	15	UGC 6152 MCG 5-26-54 CGCG 155-61 IRAS 11033+3012
PGC 33512		Glxy L	15.7	MCG 5-26-49 CGCG 155-59
PGC 33503		Glxy	15.7	CGCG 155-58
PGC 33488		Glxy S	15.5	MCG 5-26-48 CGCG 155-57
PGC 33487		Glxy SBbc	14.7	MCG 5-26-47 CGCG 155-56 VV 552 ARP 21 KUG 1102+302
PGC 32628		Glxy S		UGC 5984 MCG 5-26-25 CGCG 155-31 VV 233 ARP 107
PGC 32620		Glxy Double System	14.5	UGC 5984 MCG 5-26-24 CGCG 155-31 VV 233 ARP 107
PGC 32617		Glxy Dwarf	15.5	UGC 5983 MCG 6-24-27 KARA447 ARP 206
PGC 32532		Glxy Sbc	15.3	UGC 5958 MCG 5-26-22 CGCG 155-28 ANON 1048+28
PGC 32264		Glxy SAB(s)ab	14.7	UGC 5903 MCG 5-26-11 CGCG 155-14
PGC 31477		Glxy IB(s)m:	15.2	UGC 5764 MCG 5-25-25 DDO83 CGCG 154-31 VV 804 ARP 267 ANON 1033+31
PGC 30468		Glxy Scd:	15.3	UGC 5623 MCG 6-23-13
PGC 30459		Glxy SAB(s)bc	15.1	UGC 5622 MCG 6-23-11 CGCG 183-20
PGC 30365		Glxy S	15.9	MCG 7-21-49
PGC 30344		Glxy E		MCG 7-21-47 IRAS 10190+3844
PGC 30116		Glxy	15.2	CGCG 183-11
PGC 29818		Glxy SBb	15.1	MCG 7-21-19
IC 2467		Glxy S	14.8	MCG 7-20-5 CGCG 210-6 PGC 26683
IC 2468		Glxy S	15.5	MCG 7-20-7 PGC 26691

## Leo Minor - The Little Lion

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 2491		Glxy S0?	14.7	UGC 5104 MCG 6-21-53 CGCG 181-62 PGC 27254
IC 2493		Glxy S0	15.1	MCG 6-21-56 CGCG 181-65 PGC 27322
IC 2500		Glxy Sab	15.2	MCG 6-21-74 CGCG 181-83 CGCG 182-1 PGC 27748
IC 2515		Glxy Sb	15.2	UGC 5321 MCG 6-22-27 CGCG 182-33 IRAS 9516+3738 PGC 28581
IC 2518		Glxy C	15.5	CGCG 182-40 PGC 28659
IC 2565		Glxy (R)SAB(r)a	15.2	CGCG 154-4 1ZW24 PGC 30288
IC 2561		Glxy S?	14.9	UGC 5567 MCG 6-23-7 CGCG 183-13 PGC 30147
IC 2557		Glxy S	15.9	MCG 6-23-3 CGCG 183-7 ARAK235 PGC 29977
IC 2550		Glxy SAB(rs)b:	14.4	UGC 5484 MCG 5-24-23 CGCG 153-27 IRAS 10076+2811 PGC 29615
IC 2549		Glxy S	15.8	CGCG 183-2 CGCG 182-81 KUG 1007+367 PGC 29592
IC 2547		Glxy	15.7	CGCG 182-80 CGCG 183-1 PGC 29582
IC 2544		Glxy S	15.2	CGCG 182-78 KUG 1005+335 PGC 29491
IC 2543		Glxy	15.7	CGCG 182-77 PGC 29485
IC 2542		Glxy Sb	14.5	MCG 6-22-76 CGCG 182-76 KARA399 KUG 1004+345 PGC 29453
MAC 1013+3844		Glxy	15	
MAC 1013+3836		Glxy	15.5	
MAC 1002+3242		Glxy	17	
MAC 1000+3529		Glxy	16	
MAC 0955+3712		Glxy	16	
MAC 0949+3443		Glxy	15.5	
IC 2612		Glxy E		MCG 6-24-33 PGC 32704
IC 2608		Glxy S	15.6	CGCG 184-22 KUG 1047+330 PGC 32464
IC 2607		Glxy SBab	15.3	MCG 6-24-23 CGCG 184-26 PGC 32468
MAC 1021+3627		Glxy	16	
IC 2606		Glxy S?	14.9	MCG 6-24-21 CGCG 184-25 PGC 32465
IC 2604		Glxy SB(s)m pec?	14.7	UGC 5927 MCG 6-24-16 CGCG 184-17 VV 538 KUG 1046+330 PGC 32390
IC 2598		Glxy Sa	15	CGCG 154-37 PGC 31713
IC 2591		Glxy S?	14.4	UGC 5763 MCG 6-23-22 CGCG 183-31 IRAS 10337+3518 KUG 1033+353 PGC 31474
IC 2577		Glxy Sa	15.4	MCG 6-23-18 CGCG 183-26 KARA418 PGC 30797
IC 2572		Glxy Sa	15.2	UGC 5636 MCG 5-25-8 CGCG 154-11 IRAS 10222+2820 PGC 30562
IC 2568		Glxy SBa	14.9	UGC 5603 MCG 6-23-9 CGCG 183-19 PGC 30371
IC 2566		Glxy S?	14.9	MCG 6-23-8 CGCG 183-18 PGC 30357
MAC 1105+3004		Glxy	15.5	
MAC 1105+2958		Glxy	16	
MAC 1103+2854		Glxy	16.5	
MAC 1054+3251		Glxy	16	
MAC 1053+3250B		Glxy	16.5	
MAC 1052+3636		Glxy	17.5	
MAC 1052+3005		Glxy	16	
MAC 1051+2800		Glxy	15.5	
MAC 1050+2831		Glxy	16	
MAC 1049+3802		Glxy	15.5	
MAC 1044+3039		Glxy	16.5	
MAC 1041+3715		Glxy	16	
MAC 1022+3835		Glxy	15.5	

## Leo Minor - The Little Lion

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC 1022+3834		Glxy	16.5	
MAC 1022+3830		Glxy	16	
IC 2540		Glxy E?	14.7	MCG 5-24-14 CGCG 153-18 PGC 29389
IC 2535		Glxy S?	14.5	MCG 6-22-65 CGCG 182-70 KUG 1001+382 PGC 29222
IC 2530		Glxy S?	15.2	MCG 6-22-53 CGCG 182-59 PGC 29019
IC 2527		Glxy	15.2	CGCG 182-55 PGC 28920
IC 2525		Glxy C	15.7	CGCG 182-52 PGC 28807
IC 2524		Glxy S?	14.9	MCG 6-22-39 MK 411 CGCG 182-47 KUG 954+338 PGC 28758
IC 2521		Glxy Spiral	15.3	MCG 6-22-35 CGCG 182-45 KUG 954+342 PGC 28740
IC 2519		Glxy C	15.5	CGCG 182-39 PGC 28660
IC 2516		Glxy S0/a	15.1	MCG 6-22-28 CGCG 182-34 PGC 28589
IC 2508		Glxy	15.7	CGCG 182-17 PGC 28106
IC 2496		Glxy	15.5	CGCG 181-73 PGC 27499
NGC 2859	H137-1	Glxy (R)SB(r)0+	11.8	UGC 5001 MCG 6-21-30 CGCG 181-40 PGC 26649
NGC 2922		Glxy Im?	14.6	UGC 5118 MCG 6-21-57 CGCG 181-66 IRAS 9337+3755 KARA355 KUG 933+379 PGC 27361
NGC 2965	H751-3	Glxy S0	14.4	UGC 5191 MCG 6-22-3 CGCG 181-86 CGCG 182-4 PGC 27813
NGC 2971		Glxy SB(r)b	14.8	UGC 5197 MCG 6-22-5 CGCG 181-87 CGCG 182-5 PGC 27843
NGC 2955	H541-3	Glxy (R')SA(r)b	13.6	UGC 5166 MCG 6-21-73 CGCG 181-82 IRAS 9382+3606 KARA361 PGC 27666
NGC 3003	H26-5	Glxy Sbc?	12.3	UGC 5251 MCG 6-22-13 CGCG 182-21 IRAS 9456+3339 PGC 28186
NGC 3515		Glxy SAc:	14.6	UGC 6139 MCG 5-26-44 CGCG 155-55 IRAS 11018+2829 PGC 33467
NGC 3512	H366-2	Glxy SAB(rs)c	13	UGC 6128 MCG 5-26-41 CGCG 155-51 IRAS 11013+2818 PGC 33432
NGC 3510	H365-2	Glxy SB(s)m sp	12.7	UGC 6126 MCG 5-26-40 CGCG 155-50 IRAS 11010+2909 KUG 1101+291 PGC 33408
NGC 3504	H88-1	Glxy (R)SAB(s)ab	11.8	UGC 6118 MCG 5-26-39 CGCG 155-49 IRAS 11004+2814 KUG 1100+282 PGC 33371
NGC 3493		Glxy S?	15.2	UGC 6099 MCG 5-26-36 CGCG 155-44 IRAS 10587+2759 PGC 33249
NGC 3486	H87-1	Glxy SAB(r)c	11.1	UGC 6079 MCG 5-26-32 CGCG 155-41 PGC 33166
NGC 3235		Glxy S0-:	14.3	UGC 5635 MCG 5-25-7 CGCG 154-10 PGC 30553
NGC 3232		Glxy S?	15.2	MCG 5-25-4 CGCG 154-8 PGC 30508
NGC 3219		Glxy E		MCG 7-21-51 CGCG 211-49 PGC 30383
NGC 3118		Glxy Sbc	14.3	UGC 5452 MCG 6-22-74 CGCG 182-75 IRAS 10042+3316 KUG 1004+332 PGC 29415
NGC 3116		Glxy E	15.4	MCG 5-24-12 CGCG 153-17 ARAK230 PGC 29383
NGC 3106	H320-2	Glxy S0	13.3	UGC 5419 MCG 5-24-9 CGCG 153-13 PGC 29196
NGC 3104	H48-4	Glxy IAB(s)m	13.6	UGC 5414 MCG 7-21-7 CGCG 211-6 VV 119 ARP 264 PGC 29186
NGC 3099	H478-3	Glxy S	15.8	MCG 6-22-59 CGCG 182-64 PGC 29087
NGC 3074	H542-3	Glxy SAB(rs)c	13.3	UGC 5366 MCG 6-22-47 CGCG 182-54 IRAS 9567+3537 PGC 28888
NGC 3021	H115-1	Glxy SA(rs)bc:	12.9	UGC 5280 MCG 6-22-19 CGCG 182-25 IRAS 9479+3347 PGC 28357
NGC 3013		Glxy S	15.6	MCG 6-22-18 CGCG 182-24 PGC 28300
NGC 3012		Glxy E:	14.5	UGC 5262 MCG 6-22-17 CGCG 182-23 PGC 28270
NGC 3163	H640-2	Glxy SA0-:	13.3	UGC 5517 MCG 7-21-26 CGCG 211-27 PGC 29846
NGC 3161		Glxy E2	14.5	MCG 7-21-22 CGCG 211-25 ARAK234 PGC 29837
NGC 3160		Glxy S	15.2	UGC 5513 MCG 7-21-23 CGCG 211-24 PGC 29830
NGC 3159		Glxy E2 pec:	13.6	MCG 7-21-21 CGCG 211-23 PGC 29825
NGC 3158	H639-2	Glxy E3:	11.9	UGC 5511 MCG 7-21-20 CGCG 211-22 PGC 29822
NGC 3152		Glxy (R')SB0^:	15.2	MCG 7-21-18A CGCG 211-21 PGC 29805
NGC 3151		Glxy SA0:	14.8	MCG 7-21-18 CGCG 211-20 PGC 29796

## Leo Minor - The Little Lion

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 3150		Glxy Sb	15.5	MCG 7-21-17 CGCG 211-19 PGC 29789
NGC 3126		Glxy Sb	13.6	UGC 5466 MCG 5-24-19 CGCG 153-23 IRAS 10054+3206 KARA400 PGC 29484
NGC 3396	H117-1	Glxy IBm pec	12.6	UGC 5935 MCG 6-24-18 CGCG 184-19 VV 246 ARP 270 PGC 32434
NGC 3395	H116-1	Glxy SAB(rs)cd pec:	12	UGC 5931 MCG 6-24-17 CGCG 184-18 ARAK257 VV 246 ARP 270 PGC 32424
NGC 3381	H565-2	Glxy SB pec	12.7	UGC 5909 MCG 6-24-15 CGCG 184-16 IRAS 10456+3458 KUG 1045+349 PGC 32302
NGC 3380	H360-2	Glxy (R')SBa?	13.4	UGC 5906 MCG 5-26-12 CGCG 155-15 IRAS 10454+2851 PGC 32287
NGC 3350		Glxy S0	15.3	CGCG 155-2 CGCG 154-44 PGC 32035
NGC 3344	H81-1	Glxy (R)SAB(r)bc	10.5	UGC 5840 MCG 4-25-46 CGCG 124-60 IRAS 10407+2511 KARA435 PGC 31968
NGC 3334	H641-2	Glxy S0?	13.9	UGC 5817 MCG 6-24-4 CGCG 184-5 PGC 31845
NGC 3327	H348-2	Glxy SA(r)b:	14.2	UGC 5803 MCG 4-25-38 CGCG 124-51 PGC 31729
NGC 3323		Glxy SB?	14.3	UGC 5800 MCG 4-25-36 CGCG 124-49 IRAS 10368+2535 PGC 31712
NGC 3451	H364-2	Glxy Sd	13.6	UGC 6023 MCG 5-26-28 CGCG 155-35 IRAS 10516+2730 PGC 32754
NGC 3442		Glxy Sa?	13.8	UGC 6001 MK 418 CGCG 184-34 IRAS 10503+3410 KUG 1050+341 PGC 32679
NGC 3432	H172-1	Glxy SB(s)m sp	11.7	UGC 5986 MCG 6-24-28 CGCG 184-30 VV 11 ARP 206 KUG 1049+368 PGC 32643
NGC 3430	H118-1	Glxy SAB(rs)c	11.5	IC 2613 PGC 32614 UGC 5982 MCG 6-24-26 CGCG 184-29 IRAS 10494+3312 KUG 1049+332
NGC 3424	H494-2	Glxy SB(s)b:?	13.2	UGC 5972 MCG 6-24-25 CGCG 184-28 IRAS 10489+3309 KUG 1048+331 PGC 32584
NGC 3418	H363-2	Glxy SAB(s)0/a:	14.1	UGC 5963 MCG 5-26-23 CGCG 155-30 PGC 32549
NGC 3414	H362-2	Glxy S0 pec	12	UGC 5959 MCG 5-26-21 CGCG 155-29 ARP 162 PGC 32533
NGC 3413	H493-2	Glxy S0 sp	13.1	UGC 5960 MCG 6-24-24 CGCG 184-27 IRAS 10485+3301 KUG 1048+330 PGC 32543
NGC 3400	H361-2	Glxy SB(s)a:	14.1	UGC 5949 MCG 5-26-20 CGCG 155-25 PGC 32499
NGC 3304	H615-3	Glxy SB(s)a?	14.3	UGC 5777 MCG 6-23-26 CGCG 183-32 CGCG 184-1 PGC 31572
NGC 3294	H164-1	Glxy SA(s)c	12.2	UGC 5753 MCG 6-23-21 CGCG 183-30 IRAS 10333+3734 KUG 1033+375 PGC 31428
NGC 3277	H359-2	Glxy SA(r)ab	12.5	UGC 5731 MCG 5-25-22 CGCG 154-26 IRAS 10301+2846 PGC 31166
NGC 3272		Glxy		PGC 31115
NGC 3265	H349-3	Glxy E:	13.9	UGC 5705 MCG 5-25-19 CGCG 154-23 IRAS 10282+2903 PGC 31029
NGC 3254	H72-1	Glxy SA(s)bc	12.4	UGC 5685 MCG 5-25-18 CGCG 154-20 IRAS 10265+2944 PGC 30895
NGC 3245A		Glxy SB(s)b sp	14.7	UGC 5662 MCG 5-25-12 CGCG 154-16 PGC 30714
NGC 3245	H86-1	Glxy SA(r)0^:?	11.7	UGC 5663 MCG 5-25-13 CGCG 154-17 IRAS 10245+2845 PGC 30744
NGC 2942		Glxy SA(s)c:	13.2	UGC 5140 MCG 6-21-65 CGCG 181-76 IRAS 9361+3413 PGC 27527

**Sub Total: 144****Total: 158**

## Lacerta - The Lizard

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 5195		Non-Existent		
IC 5255		Non-Existent		
IC 5268		Non-Existent		
IC 5259		Non-Existent		

**Sub Total: 4**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
ABELL 79		PI Neb	14.9	PK 102-2.1
IC 1434		Open Cl 12.0 III 2 m	9	
IC 1442		Open Cl 12.0 III 1 p	9.1	
IC 1441		Glxy SBa?	15.5	MCG 6-48-23 CGCG 513-21 CGCG 514-1 PGC 68413
IC 5180		Glxy E:	14.3	UGC 11938 MCG 6-48-12 CGCG 513-11 PGC 68234
IC 5191		Glxy S0/a	15.1	
IC 5193		Glxy S	17.2	
MAC 2210+4101		Glxy	16	
MAC 2215+3711		Glxy	15	
MAC 2237+3831		Glxy	15.5	
MAC 2231+3922B		Glxy	16	
MAC 2231+3922A		Glxy	16	
MAC 2224+3612		Glxy	16	
MAC 2223+3608		Glxy	16.5	
MAC 2223+3607		Glxy	16	
MAC 2222+3616		Glxy	16	
MAC 2222+3613A		Glxy	15.5	
MAC 2222+3613		Glxy	16	
MAC 2221+3635		Glxy	17	
MAC 2221+3632		Glxy	16.5	
MAC 2216+3711		Glxy	16.1	
MAC 2215+3714		Glxy	15.5	
MAC 2211+3855		Glxy	16	
IC 5217		PI Neb 2	12.6	PK 100-5.1 PNG 100.6-5.4
IC 5192		Glxy S	15.1	
NGC 7197	H599-2	Glxy Sa	13.7	UGC 11887 MCG 7-45-5 CGCG 530-3 IRAS 22008+4049 PGC 67921
NGC 7223	H862-3	Glxy SB(rs)bc	13	UGC 11931 MCG 7-45-18 CGCG 530-13 IRAS 22081+4046 PGC 68197
NGC 7228		Glxy (R')SB(s)a	14.4	UGC 11945 MCG 6-48-16 CGCG 513-13 PGC 68254
NGC 7242		Glxy E+:	13.9	UGC 11969 MCG 6-48-25 CGCG 513-23 CGCG 514-3 PGC 68434
PGC 70061		Glxy	15.6	CGCG 515-13
PGC 69332		Glxy Sb	15.5	MCG 6-49-48 CGCG 514-70
PGC 69127		Glxy C	15.5	MCG 6-49-35 CGCG 514-56
PGC 69117		Glxy S	15.6	MCG 6-49-34 CGCG 514-55
PGC 69110		Glxy SBcd:	14.6	UGC 12075 MCG 6-49-33 CGCG 514-54 IRAS 22306+3857
PGC 69101		Glxy SB(s)b	14.4	UGC 12073 MCG 6-49-32 CGCG 514-53
PGC 69055		Glxy S0-:	14.5	UGC 12064 MCG 6-49-29 CGCG 514-50 ANON 2229+39

## Lacerta - The Lizard

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 68715		Glxy S	15.4	UGC 12013 CGCG 514-21
PGC 68713		Glxy Sb	15.1	UGC 12012 MCG 6-49-10 CGCG 514-20
PGC 68706		Glxy	15.7	CGCG 514-19
PGC 68690		Glxy Sb	15	UGC 12007 MCG 6-49-9 CGCG 514-17 4ZW98
PGC 68675		Glxy S?	16.5	UGC 12005
PGC 68623		Glxy Sa	14.9	UGC 11995 CGCG 514-10
PGC 68482		Glxy SAB(s)bc	12.9	UGC 11973 MCG 7-45-23 CGCG 530-20 IRAS 22147+4115
PGC 68466		Glxy	15.6	CGCG 514-4 CGCG 513-24
PGC 68416		Glxy C	17.2	4ZW87
PGC 68238		Glxy S	16.6	MCG 6-48-14
PGC 68230		Glxy S	14.9	MCG 6-48-13
PGC 68226		Glxy Sa	15	UGC 11937 CGCG 530-16
PGC 68221		Glxy Sc	16.5	UGC 11936
PGC 68210		Glxy	15.1	CGCG 530-14
PGC 68171		Glxy Sb	14.4	UGC 11927 MCG 7-45-17 CGCG 530-12
NGC 7274		Glxy E	13.8	UGC 12026 MCG 6-49-13 CGCG 514-26 PGC 68770
NGC 7273		Glxy S0	14.7	MCG 6-49-12 CGCG 514-24 PGC 68768
NGC 7265		Glxy S0-	13.2	UGC 12004 MCG 6-49-6 CGCG 514-15 IRAS 22203+3556 PGC 68668
NGC 7264		Glxy Sb	14.6	UGC 12001 MCG 6-49-5 CGCG 514-14 IRAS 22200+3608 PGC 68658
NGC 7263		Glxy S?	15.5	MCG 6-49-4 CGCG 514-12 4ZW97 PGC 68642
NGC 7250	H864-3	Glxy Sdm?	13.2	UGC 11980 MCG 7-45-24 MK 907 CGCG 530-22 IRAS 22161+4018 PGC 68535
NGC 7248	H863-3	Glxy SA0-:	13.5	UGC 11972 MCG 7-45-22 CGCG 530-19 PGC 68485
NGC 7245	H29-6	Open Cl 12.8 II 2 m	9.2	
NGC 7243	H75-8	Open Cl 8.0 II 2 m	6.4	
NGC 7426	H576-3	Glxy E	13.3	UGC 12256 MCG 6-50-12 CGCG 515-12 PGC 70042
NGC 7395		Glxy S0?	14.8	UGC 12216 MCG 6-50-6 CGCG 515-8 PGC 69861
NGC 7394		Open Cl 11.0 cluster?		
NGC 7379		Glxy SBa	14.3	UGC 12187 MCG 7-46-18 CGCG 531-13 IRAS 22452+3958 PGC 69724
NGC 7330		Glxy E	13.2	UGC 12111 MCG 6-49-46 CGCG 514-67 PGC 69314
NGC 7296	H41-7	Open Cl 10.0 II 2 p	9.7	
NGC 7295		Open Cl 10.0 asterism?		
NGC 7282		Glxy SB(r)b	14.5	UGC 12034 MCG 7-46-7 CGCG 531-6 IRAS 22236+4003 PGC 68843
NGC 7276		Glxy E	14.7	MCG 6-49-14 CGCG 514-25 PGC 68773
NGC 7240		Glxy S0-:	15.2	MCG 6-48-24 CGCG 513-22 CGCG 514-2 PGC 68415
NGC 7231	H606-2	Glxy SBa	13.9	UGC 11951 CGCG 530-17 IRAS 22104+4504 PGC 68285
NGC 7227		Glxy S0	14.5	UGC 11942 MCG 6-48-15 CGCG 513-12 PGC 68243
NGC 7209	H53-7	Open Cl 9.0 III 1 m	7.7	

**Sub Total: 73****Total: 77**

## Leo - The Lion

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 2515		Non-Existent		
IC 2462		Non-Existent		
IC 2464		Glxy S	15.3	MCG 4-22-36 CGCG 121-70 PGC 26585
IC 2466		Glxy S	15.3	MCG 4-22-44 CGCG 121-76 PGC 26629
IC 538		Non-Existent		MCG 4-22-58 PGC 26811
IC 2474		Glxy S0	14.8	UGC 5037 MCG 4-22-57 CGCG 121-98 PGC 26810
NGC 2882		Glxy S?	13.6	UGC 5030 MCG 1-24-21 CGCG 34-46 IRAS 9239+810 PGC 26781
IC 2472		Glxy	15.5	CGCG 121-93 PGC 26779
NGC 2874		Non-Existent		NGC 2875
NGC 2871		Non-Existent		
IC 2470		Non-Existent		
NGC 2862		Glxy S?	13.8	UGC 5010 MCG 5-22-45 CGCG 151-76 IRAS 9219+2659 KARA329 PGC 26690
IC 536		Glxy Sa?	15.4	UGC 5006 MCG 4-22-45 CGCG 121-84 PGC 26669
NGC 2958		Glxy S(r)bc	14	UGC 5160 MCG 2-25-15 CGCG 63-33 IRAS 9379+1206 PGC 27620
NGC 2954		Glxy E	13.3	UGC 5155 MCG 3-25-19 CGCG 92-26 KARA358 PGC 27600
NGC 2953		Non-Existent		
NGC 2949		Glxy SBbc	15.2	MCG 3-25-17 CGCG 92-24 PGC 27573
NGC 2934		Glxy Sbc	15	NGC 2933 UGC 5132 MCG 3-25-8 CGCG 92-15 VV 808 PGC 27436
NGC 2923		Glxy	15.2	CGCG 92-8 PGC 27306
NGC 2912		Non-Existent		STAR UM72 PGC 27167
NGC 2901		Non-Existent		
IC 2483		Glxy	15.7	CGCG 152-17 PGC 26928
IC 2480		Glxy SAB(r)c	15.1	CGCG 151-94 CGCG 152-13 PGC 26883
IC 2479		Glxy	15.6	MCG 5-23-2 CGCG 151-89 CGCG 152-8 IRAS 9251+3012 PGC 26866
IC 2478		Glxy C	15.4	MCG 5-23-3 CGCG 151-88 CGCG 152-7 PGC 26865
IC 2475		Glxy S	15.7	MCG 5-22-49 CGCG 152-6 CGCG 151-87 PGC 26851
IC 2477		Non-Existent		
IC 2476		Glxy S0-	13.9	UGC 5043 MCG 5-23-1 CGCG 151-86 CGCG 152-5 PGC 26854
IC 2473		Glxy SB(r)bc	13.8	UGC 5038 MCG 5-22-47 CGCG 151-82 CGCG 152-1 IRAS 9244+3039 KARA336 PGC 26817
NGC 2885		Glxy S0	14.8	IC 538 PGC 26943
NGC 3016		Glxy Sb	13.8	UGC 5266 MCG 2-25-40 CGCG 63-77 IRAS 9471+1255 PGC 28269
NGC 3011		Glxy S0	14.3	UGC 5259 MCG 5-23-38 MK 409 CGCG 152-69 KUG 946+324 PGC 28259
IC 565		Glxy Scd?	15.1	UGC 5248 MCG 3-25-28 CGCG 92-52 PGC 28159
IC 2506		Glxy S	15.7	MCG 5-23-35 CGCG 152-65 PGC 27940
IC 2505		Glxy S0?	14.9	MCG 5-23-34 CGCG 152-64 PGC 27936
IC 558		Glxy S?	14.5	MCG 5-23-33 CGCG 152-63 PGC 27931
NGC 2981		Glxy SAB(rs)bc:	14.4	UGC 5208 MCG 5-23-32 CGCG 152-62 PGC 27925
IC 559		Glxy Sb	14.9	MCG 2-25-29 CGCG 63-57 PGC 27910
IC 557		Glxy Sb	15	MCG 2-25-27 CGCG 63-55 ARAK213 PGC 27866
NGC 3053	H600-3	Glxy SBa?	13.6	UGC 5329 MCG 3-25-40 CGCG 92-74 CGCG 93-1 IRAS 9528+1640 PGC 28631
IC 576		Glxy	15.4	MK 1240 CGCG 63-104 PGC 28603
NGC 3048		Glxy	15.2	CGCG 92-71 PGC 28595
NGC 3049		Glxy SB(rs)ab	13	UGC 5325 MCG 2-25-55 MK 710 CGCG 63-103 IRAS 9521+930 KARA383 PGC 28590
NGC 3040		Glxy Sb	14.2	UGC 5300 MCG 3-25-37 CGCG 92-67 PGC 28479

## Leo - The Lion

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 3040A		Glxy Sb	13.4	
NGC 3040B		Glxy S	15	
IC 572		Glxy	15	MCG 3-25-36 CGCG 92-64 ARAK220 PGC 28456
IC 571		Glxy C	15.2	MCG 3-25-35 CGCG 92-63 PGC 28445
NGC 3119		Non-Existent		NGC 3121 PGC 29381 CGCG 93-45
NGC 3088A		Non-Existent		
IC 584		Glxy	15.5	MCG 2-26-10 CGCG 64-15 ARAK226 PGC 28839
IC 583		Glxy S	15.3	UGC 5363 MCG 3-26-12 CGCG 93-17 PGC 28844
IC 582		Glxy S	14.6	UGC 5362 MCG 3-26-11 CGCG 93-16 IRAS 9563+1803 PGC 28838
NGC 3075		Glxy Sc	14.3	UGC 5360 MCG 3-26-9 CGCG 93-12 IRAS 9562+1439 PGC 28833
NGC 3071		Glxy S0	15.3	CGCG 153-8 PGC 28825
NGC 3068A		Non-Existent		
NGC 3068B		Non-Existent		
IC 610		Glxy Sbc	14	
IC 611		Non-Existent		UGC 5653 MCG 3-27-34 CGCG 124-20 CGCG 94-52 PGC 30670
NGC 3234		Glxy		
IC 606		Non-Existent		MCG 2-27-6 MK 721 CGCG 65-17 IRAS 10208+1112 8ZW74 PGC 30448
IC 2569		Non-Existent		
NGC 3217		Glxy		
NGC 3213		Glxy Sbc:	14.2	UGC 5590 MCG 3-27-4 CGCG 94-8 PGC 30283
IC 2562		Glxy S	15.2	MCG 3-26-53 CGCG 93-89 PGC 30119
NGC 3196	H348-3	Glxy	15.7	CGCG 153-35 CGCG 154-1 PGC 30121
NGC 4009		Non-Existent		STAR MCG -3-4-4 PGC 37677
NGC 4004A		Non-Existent		
NGC 4007	H325-3	Non-Existent		NGC 4003 PGC 37646 UGC 6948 MCG 4-28-105 CGCG 127-115
NGC 4004B		Non-Existent		
NGC 3948		Non-Existent		
IC 2968		Non-Existent		NGC 3937 UGC 6851 MCG 4-28-81 CGCG 127-88 PGC 37219
NGC 3927		Non-Existent		
NGC 3926		Non-Existent		
IC 2964		Non-Existent		
NGC 3899		Non-Existent		MAC 1149+2629 close by
IC 735		Non-Existent		
NGC 3861B		Non-Existent		
NGC 3861A		Non-Existent		
IC 2954		Non-Existent		(STAR)
NGC 3860A		Non-Existent		
NGC 3860B		Non-Existent		
NGC 3806		Non-Existent		
IC 2942		Non-Existent		
IC 2940		Non-Existent		
IC 2939		Non-Existent		(STAR)
IC 2937		Non-Existent		(STAR)
IC 2936		Non-Existent		MAC 1134+1300A very close by
IC 2935		Non-Existent		

## Leo - The Lion

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC	713	Non-Existent		
IC	2932	Non-Existent		
IC	2931	Non-Existent		(STAR)
IC	2929	Non-Existent		MAC 1133+1208 very close by
IC	2927	Non-Existent		(STAR)
IC	2926	Non-Existent		(STAR)
IC	2924	Non-Existent		(STAR)
IC	2923	Non-Existent		
IC	2922	Non-Existent		(STAR)
IC	2921	Non-Existent		
IC	2920	Non-Existent		(STAR)
IC	2919	Glxy I	17.8	KUG 1129+144 PGC 35614
IC	2918	Non-Existent		
IC	2917	Non-Existent		
IC	2916	Non-Existent		(STAR)
IC	2915	Non-Existent		(STAR)
IC	2912	Non-Existent		
IC	2911	Non-Existent		(STAR)
IC	2909	Non-Existent		
IC	2908	Non-Existent		(STAR)
IC	2907	Non-Existent		(STAR)
IC	2906	Non-Existent		(STAR)
IC	2905	Non-Existent		(STAR)
IC	2904	Non-Existent		(STAR)
IC	2903	Non-Existent		
IC	2902	Non-Existent		(STAR)
IC	2901	Non-Existent		
IC	2900	Non-Existent		
IC	2899	Non-Existent		
IC	2898	Non-Existent		
IC	2897	Non-Existent		(STAR)
IC	2896	Non-Existent		
IC	2895	Non-Existent		(STAR)
IC	2894	Glxy	15.7	CGCG 67-96 PGC 35493
IC	702	Glxy		
IC	2893	Glxy	15.6	CGCG 67-95 PGC 35488
IC	2892	Non-Existent		
IC	2891	Non-Existent		
IC	2890	Non-Existent		
NGC	3709	Non-Existent		
NGC	3708	Non-Existent		
IC	2888	Non-Existent		
IC	2887	Glxy	15.5	CGCG 67-94 PGC 35470
NGC	3705A	Non-Existent		
IC	2886	Non-Existent		

## Leo - The Lion

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 2885		Non-Existent		(STAR)
IC 2883		Non-Existent		
IC 2882		Non-Existent		(STAR)
IC 2881		Non-Existent		
IC 2880		Non-Existent		(STAR)
NGC 3705B		Glxy S0	15.2	
IC 2879		Non-Existent		
IC 2877		Glxy	15.7	CGCG 67-92 PGC 35408
IC 2878		Non-Existent		
IC 2876		Non-Existent		
IC 2875		Non-Existent		(STAR)
NGC 3701	H349-2	Glxy Sbc	13.5	UGC 6493 MCG 4-27-48 CGCG 126-68 PGC 35405
IC 2873		Glxy S	14.9	MCG 2-29-38 CGCG 67-91 PGC 35406
IC 2874		Non-Existent		
IC 2871		Glxy R	15.1	MCG 2-29-37 CGCG 67-90 PGC 35388
IC 2870		Glxy Dwarf Irr	15.4	UGC 6486 PGC 35377
IC 699		Glxy Sb:	14.7	UGC 6485 MCG 2-29-36 CGCG 67-89 PGC 35365
IC 2869		Non-Existent		(STAR)
IC 2868		Non-Existent		(STAR)
IC 2866		Non-Existent		
IC 2865		Non-Existent		(STAR)
IC 2864		Non-Existent		
NGC 3697C		Glxy S0-a	14.1	
NGC 3697B		Glxy Sb	14.4	
IC 2863		Non-Existent		
NGC 3697A		Non-Existent		
IC 2862		Non-Existent		
IC 2860		Non-Existent		
IC 2859		Non-Existent		(STAR)
IC 2858		Non-Existent		
IC 697		Glxy S0	15.1	CGCG 11-106 PGC 35327
IC 2857		Glxy Scd:	15.2	UGC 6475 MCG 2-29-33 CGCG 67-85 PGC 35320
NGC 3692	H152-2	Glxy Sb	12.9	UGC 6474 MCG 2-29-32 CGCG 67-84 IRAS 11258+940 PGC 35314
IC 2855		Non-Existent		
IC 2854		Non-Existent		(STAR)
IC 2851		Non-Existent		
IC 2853		Glxy SBab	14.6	UGC 6470 MCG 2-29-31 CGCG 67-83 IRAS 11256+925 PGC 35302
IC 2850		Glxy S?	15.3	MCG 2-29-30 CGCG 67-82 IRAS 11256+920 PGC 35301
IC 2852		Non-Existent		
IC 2849		Non-Existent		
IC 2848		Non-Existent		
IC 2847		Non-Existent		
IC 2846		Glxy Sp	14.8	MCG 2-29-29 CGCG 67-80 IRAS 11254+1126 PGC 35283
IC 2845		Non-Existent		
IC 2844		Non-Existent		

## Leo - The Lion

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 2843		Glxy	15.4	CGCG 67-81 PGC 35284
IC 2842		Non-Existent		
IC 2841		Non-Existent		(STAR)
IC 2840		Non-Existent		
IC 2839		Non-Existent		
IC 2838		Non-Existent		
IC 2837		Non-Existent		
IC 2836		Non-Existent		(STAR)
IC 2835		Non-Existent		
IC 2834		Non-Existent		
IC 2833		Non-Existent		(STAR)
IC 2832		Non-Existent		(STAR)
IC 2831		Non-Existent		(STAR)
IC 2830		Glxy	15.2	CGCG 39-185 PGC 35240
IC 2829		Glxy	15.4	CGCG 67-79 PGC 35226
IC 2827		Non-Existent		(STAR)
IC 2828		Glxy S0?	14.4	MCG 2-29-28 CGCG 67-78 PGC 35225
IC 2826		Glxy	15.1	CGCG 67-77 PGC 35223
IC 2824		Non-Existent		(STAR)
IC 2825		Non-Existent		
IC 693		Glxy Sab	16.1	MCG -1-29-22 IRAS 11242-443 PGC 35208
IC 2823		Glxy	15.5	CGCG 67-76 PGC 35205
IC 2821		Non-Existent		
IC 2822		Glxy SBbc	14.4	UGC 6449 CGCG 67-75 PGC 35196
IC 2818		Non-Existent		
IC 2819		Glxy	15.7	CGCG 67-74 PGC 35194
IC 2820		Non-Existent		
IC 2817		Non-Existent		(STAR)
IC 2816		Non-Existent		
IC 2815		Non-Existent		
NGC 3678		Glxy Sbc	14.4	UGC 6443 MCG 5-27-71 CGCG 156-75 KUG 1123+281 PGC 35177
NGC 3685		Glxy		
NGC 3679	H112-3	Glxy Sbc	15	MCG -1-29-21 MK 1294 IRAS 11235-518 PGC 35165
IC 2814		Non-Existent		
IC 2813		Non-Existent		
IC 2812		Non-Existent		
IC 692		Glxy S?	14.5	UGC 6438 MCG 2-29-27 CGCG 67-73 ARAK292 PGC 35151
IC 2810B		Glxy S	16.5	MCG 3-29-44 PGC 35136
IC 2811		Non-Existent		
IC 2810		Glxy SB	14.9	UGC 6436 MCG 3-29-43 CGCG 96-41 IRAS 11231+1456 PGC 35142
IC 2810A		Non-Existent		
IC 2809		Non-Existent		(STAR)
IC 2808		Non-Existent		
IC 2807		Non-Existent		
IC 2806		Non-Existent		(STAR)

## Leo - The Lion

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 2805		Non-Existent		(STAR)
IC 2804		Glxy Sc	15.1	MCG 2-29-26 CGCG 67-72 IRAS 11223+1329 PGC 35083
NGC 3670	H337-3	Glxy SB0/a	14.5	UGC 6427 MCG 4-27-33 CGCG 126-48 PGC 35067
IC 2803		Non-Existent		
IC 2802		Non-Existent		
IC 2801		Non-Existent		
IC 2800		Non-Existent		
IC 2799		Non-Existent		
NGC 3664A		Glxy (R)SB(s)m:	14.9	UGC 6418 CGCG 39-169 PGC 35042
IC 2798		Non-Existent		
IC 2797		Non-Existent		
IC 2796		Non-Existent		
IC 2795		Non-Existent		
IC 2794		Non-Existent		(STAR)
IC 2793		Non-Existent		
NGC 3662	H4-4	Glxy SAB(r)bc pec	13.7	UGC 6408 MCG 0-29-25 CGCG 11-86 IRAS 11211-49 PGC 34996
IC 2792		Non-Existent		
IC 2791		Glxy		
IC 2790		Non-Existent		
IC 2789		Non-Existent		(STAR)
IC 2788		Non-Existent		
IC 2786		Glxy	15.2	MCG 2-29-24 CGCG 67-69 PGC 34968
IC 2787		Glxy Scd?	14.8	UGC 6401 CGCG 67-70 PGC 34969
IC 2785		Glxy		
IC 2784		Glxy		
IC 686		Glxy	15.3	CGCG 39-158 PGC 34950
IC 2782		Glxy Sdm:	14.5	UGC 6395 MCG 2-29-23 CGCG 67-68 PGC 34934
IC 2783		Non-Existent		
IC 2781		Non-Existent		
IC 2780		Non-Existent		
IC 2775		Non-Existent		
IC 2778		Non-Existent		(STAR)
IC 2777		Glxy	15.4	CGCG 67-66 PGC 34923
IC 2776		Non-Existent		IC 2779 MCG 2-29-22 CGCG 67-67 PGC 34924
IC 2779		Glxy Sc	14.9	IC 2779 IC 2776 MCG 2-29-22 CGCG 67-67 PGC 34924
IC 2774		Non-Existent		(STAR)
IC 2773		Non-Existent		(STAR)
NGC 3650		Glxy SAb sp	14.7	UGC 6391 MCG 4-27-31 CGCG 126-43 PGC 34913
IC 2772		Non-Existent		(STAR)
IC 2771		Non-Existent		
IC 2770		Non-Existent		
IC 2768		Non-Existent		
IC 2765		Non-Existent		
IC 2767		Glxy		
IC 2766		Glxy		

## Leo - The Lion

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 2763		Glxy Scd?	14.6	UGC 6387 MCG 2-29-21 CGCG 67-64 PGC 34887
IC 2762		Glxy	15.5	CGCG 67-63 PGC 34888
IC 2769		Glxy	15.6	CGCG 67-65 PGC 34894
IC 2761		Non-Existent		
NGC 3649	H16-3	Glxy SB(s)a	14.6	UGC 6386 MCG 3-29-38 CGCG 96-36 PGC 34883
IC 2760		Non-Existent		
IC 685		Glxy		
IC 2758		Glxy	15.3	CGCG 39-148 PGC 34857
IC 2754		Non-Existent		
IC 2757		Glxy SB(s)a	14.9	CGCG 67-62 PGC 34858
IC 2752		Non-Existent		
IC 2756		Non-Existent		
IC 2755		Non-Existent		(STAR)
IC 2753		Non-Existent		
IC 2750		Non-Existent		
IC 2749		Glxy SAB(s)c pec	15.4	CGCG 67-60 PGC 34829
IC 2748		Non-Existent		
NGC 3645	H32-2	Non-Existent		NGC 3630 PGC 34817 CGCG 39-143
IC 2747		Non-Existent		(STAR)
IC 2746		Non-Existent		
NGC 3639		Glxy S?	14.6	UGC 6374 MCG 3-29-36 CGCG 96-32 ARAK289 PGC 34819
NGC 3647		Glxy E	15.9	CGCG 39-142 PGC 34816
NGC 3644		Glxy (R')SBa pec:	14.6	IC 684 PGC 34814 UGC 6373 MCG 1-29-37 CGCG 39-139
IC 684		Non-Existent		UGC 6373 MCG 1-29-37 CGCG 39-139 PGC 34814
IC 683		Glxy D	15.7	CGCG 39-134 PGC 34793
IC 2745		Glxy	15.3	CGCG 67-59 PGC 34811
NGC 3643		Glxy SB(r)0+: sp	15.1	MCG 1-29-36 CGCG 39-136 PGC 34802
IC 2743		Non-Existent		(STAR)
IC 2742		Non-Existent		
IC 2741		Non-Existent		
IC 2740		Non-Existent		
IC 2739		Non-Existent		
IC 682		Non-Existent		
NGC 3641		Glxy E pec	14.1	UGC 6370 MCG 1-29-34 PGC 34780
IC 2737		Non-Existent		(STAR)
IC 2736		Non-Existent		
NGC 3633		Glxy SAa: sp	14.4	UGC 6351 MCG 1-29-32 CGCG 39-126 IRAS 11178+351 PGC 34711
IC 2734		Glxy		
IC 2732		Glxy		
IC 2731		Non-Existent		(STAR)
IC 2729		Glxy		
IC 2730		Non-Existent		(STAR)
IC 2728		Non-Existent		(STAR)
NGC 3632	H30-2	Non-Existent		NGC 3626 PGC 34684 UGC 6343 MCG 3-29-32 CGCG 96-29
IC 2727		Non-Existent		

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Observed: No

Object	Her	Type	Mag	Alias/Notes
IC		2726		Glxy
IC		2725		Glxy
IC		2724		Non-Existent
IC		2723		Non-Existent
IC		2733		Non-Existent
IC		2722		Non-Existent
IC		2721		Non-Existent
IC		2720	15.6	CGCG 67-56 PGC 34662
IC		2719		(STAR)
IC		2718	15.6	CGCG 67-55 PGC 34644
IC		2717		(STAR)
IC		2716		Non-Existent
IC		2715		Non-Existent
IC		2713		Non-Existent
IC		2712		Non-Existent
NGC		3624	14.7	MCG 1-29-29 CGCG 39-114 PGC 34599
IC		2710		(STAR)
IC		2711		(STAR)
IC		2709		Non-Existent
IC		2708	15.1	CGCG 67-53 PGC 34584
IC		2707		Non-Existent
IC		2706		(STAR)
NGC	H76-3	3616		Non-Existent
IC		2705		Non-Existent
IC		2703	15.5	MCG 3-29-26 CGCG 96-25 PGC 34536
IC		2704	15.7	CGCG 67-52 KARA475 PGC 34533
IC		2702		Non-Existent
IC		2701		Non-Existent
IC		680	14.9	MCG 0-29-12 CGCG 11-47 IRAS 11153-140 PGC 34520
IC		2700		Non-Existent
IC		2699		(STAR)
IC		2697		(STAR)
IC		2687		Non-Existent
IC		2698	15.6	CGCG 67-51 PGC 34510
IC		2695		Glxy
IC		2696		Non-Existent
IC		2694	15.3	CGCG 67-50 PGC 34491
IC		2693		(STAR)
IC		2692		Non-Existent
IC		2691		(STAR)
IC		2690		Glxy
IC		2689		Glxy
IC		2688		(STAR)
IC		2686		Glxy
IC		2684	15.4	CGCG 67-49 PGC 34438

## Leo - The Lion

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 2685		Non-Existent		(STAR)
IC 2683		Non-Existent		
IC 2681		Glxy	15.2	CGCG 67-48 PGC 34405
IC 2682		Non-Existent		
IC 2680		Glxy SA(r)0/a?	15.4	CGCG 67-47 PGC 34387
IC 2679		Non-Existent		
IC 2678		Non-Existent		
NGC 3604	H626-2	Glxy		
IC 2677		Non-Existent		
IC 2676		Non-Existent		
IC 2675		Non-Existent		(STAR)
IC 2674		Glxy Scd:	14.8	UGC 6290 CGCG 67-46 KARA474 PGC 34373
IC 2673		Non-Existent		
IC 2671		Non-Existent		
IC 2672		Glxy SAB(rs)c:	14.7	UGC 6288 MCG 2-29-17 CGCG 67-45 KARA473 PGC 34368
IC 2670		Non-Existent		
IC 2669		Non-Existent		
NGC 3602		Glxy Sb	15.7	MCG 3-29-17 CGCG 96-17 PGC 34351
IC 2666		Glxy S	14.7	MCG 2-29-16 CGCG 67-44 PGC 34342
IC 2667		Non-Existent		
IC 2665		Non-Existent		
IC 2664		Non-Existent		
IC 2663		Non-Existent		(STAR)
NGC 3601		Glxy SB(r)ab?	14.7	UGC 6282 MCG 1-29-24 CGCG 39-91 ARAK284 IRAS 11129+523 PGC 34335
IC 2662		Non-Existent		
IC 2660		Non-Existent		
IC 2659		Non-Existent		
IC 2661		Glxy	15.4	CGCG 67-43 PGC 34330
IC 2658		Non-Existent		
IC 2657		Non-Existent		
NGC 3598		Glxy S0-:	13.3	UGC 6278 MCG 3-29-14 CGCG 96-14 PGC 34306
IC 2656		Non-Existent		
IC 2655		Non-Existent		
IC 2654		Non-Existent		
IC 2653		Non-Existent		
IC 2652		Non-Existent		
IC 2651		Non-Existent		
IC 2650		Glxy		
IC 2649		Glxy S	15	MCG 2-29-15 CGCG 67-42 PGC 34273
IC 2648		Glxy S	15.7	CGCG 67-41 PGC 34267
IC 2647		Non-Existent		(STAR)
IC 2646		Non-Existent		
IC 2645		Glxy	15.7	CGCG 67-39 PGC 34250
IC 2644		Non-Existent		
IC 2643		Non-Existent		(STAR)

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Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 3592		Glxy Sc? sp	14.4	UGC 6267 MCG 3-29-11 CGCG 96-11 PGC 34248
IC 2642		Non-Existent		(STAR)
IC 2641		Non-Existent		(STAR)
IC 678		Glxy E	14.9	MCG 1-29-21 CGCG 39-83 PGC 34222
IC 2640		Non-Existent		
NGC 3588		Glxy Sb	15.3	UGC 6264 MCG 4-27-9 CGCG 126-11 PGC 34219
IC 677		Glxy Sbc	13.8	UGC 6262 MCG 2-29-13 CGCG 67-38 IRAS 11113+1234 PGC 34211
IC 2639		Non-Existent		
IC 2638		Glxy (R)SB(r)0+	14.8	UGC 6261 MCG 2-29-12 CGCG 67-37 PGC 34205
IC 2637		Glxy E+ pec	14	UGC 6259 MCG 2-29-11 MK 732 CGCG 67-36 IRAS 11112+951 PGC 34199
IC 2636		Non-Existent		
IC 2635		Non-Existent		
IC 2634		Glxy SAB(s)b	15.3	MCG 2-29-10 CGCG 67-35 PGC 34178
NGC 3580		Glxy SA0 <sup>+</sup> sp	15	MCG 1-29-18 CGCG 39-75 PGC 34159
IC 2633		Non-Existent		
NGC 3575		Non-Existent		
IC 2632		Non-Existent		
IC 2630		Non-Existent		
IC 676		Glxy (R)SB(r)0+	12.8	UGC 6245 MCG 2-29-9 MK 731 CGCG 67-32 IRAS 11100+919 PGC 34107
IC 2629		Non-Existent		
NGC 3574		Glxy S?	15.8	MCG 5-27-22 CGCG 156-20 PGC 34080
NGC 3570		Glxy S0	14.5	UGC 6240 MCG 5-27-19 CGCG 156-18 PGC 34071
IC 2628		Glxy	15.1	CGCG 67-30 PGC 34038
NGC 3563		Glxy SB0:	14.5	UGC 6234 MCG 5-27-14 CGCG 156-14 PGC 34025
NGC 3563B		Glxy S0-a	13.7	
NGC 3563A		Non-Existent		NGC 3563 PGC 34012 MCG 5-27-13 CGCG 156-14
NGC 3567	H89-3	Glxy S0 pec	14.3	UGC 6230 MCG 1-29-11 CGCG 39-51 PGC 34004
NGC 3559	H79-3	Glxy S pec	13.7	NGC 3560 PGC 33940 UGC 6217 MCG 2-29-8 CGCG 67-25
NGC 3560		Non-Existent		
IC 675		Non-Existent		(STAR)
NGC 3555		Glxy E?	13.8	UGC 6203 MCG 4-26-35 CGCG 125-33 PGC 33836
NGC 3551		Glxy	15.7	CGCG 125-32 PGC 33825
IC 673		Glxy (R')SAB(rs)c	14.1	UGC 6200 MCG 0-29-3 CGCG 11-9 IRAS 11068+10 PGC 33817
IC 2626		Glxy	15.7	CGCG 155-75 PGC 33791
NGC 3534		Glxy Sb	14.2	UGC 6193 MCG 5-26-63 CGCG 155-74 PGC 33782
NGC 3534B		Glxy Sb	14.7	
NGC 3534A		Glxy Sb	14.5	
NGC 3535	H111-3	Glxy SA(s)a pec:	14.4	UGC 6189 MCG 1-29-4 CGCG 39-10 IRAS 11059+505 PGC 33760
IC 671		Glxy SAB(r)bc:	14.1	UGC 6180 MCG 0-28-31 CGCG 10-79 PGC 33689
IC 670		Glxy E+	14.3	UGC 6178 MCG 1-28-41 CGCG 38-134 PGC 33680
IC 669		Glxy S0-	14.1	UGC 6174 MCG 1-28-40 CGCG 38-132 PGC 33662
NGC 3531		Non-Existent		
NGC 3526		Glxy Sc	13.1	NGC 3531 PGC 33635 UGC 6167 MCG 1-28-39 CGCG 38-129 IRAS 11043+726 KARA464
NGC 3522		Glxy E	14.1	UGC 6159 MCG 3-28-60 CGCG 95-113 PGC 33615
IC 668		Glxy S	15.4	MCG 3-28-59 CGCG 95-112 PGC 33613

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Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 667		Glxy	15.5	CGCG 95-111 PGC 33603
NGC 3518		Glxy		PGC 33442
NGC 3498	H75-3	Non-Existent		
IC 666		Glxy	15.5	MK 1276 CGCG 66-97 PGC 33232
NGC 3494		Non-Existent		
NGC 3492		Glxy S?	14.2	UGC 6094 MCG 2-28-45 CGCG 66-93 8ZW116 PGC 33207
NGC 3487		Glxy Sb? sp	14.6	UGC 6092 MCG 3-28-47 CGCG 95-89 PGC 33195
IC 664		Glxy S0?	14	MCG 2-28-42 CGCG 66-91 PGC 33191
IC 663		Glxy	15.4	CGCG 66-87 PGC 33182
NGC 3491	H21-3	Glxy S0-:	14.3	UGC 6088 MCG 2-28-41 CGCG 66-89 PGC 33180
NGC 3490		Glxy E	14.8	MCG 2-28-36 CGCG 66-80 PGC 33128
IC 662		Glxy E	15.4	CGCG 10-56 PGC 33091
NGC 3480		Non-Existent		
NGC 3475	H332-3	Glxy Sa	14	UGC 6058 MCG 4-26-22 CGCG 125-17 IRAS 10556+2427 ANON 1055+24 PGC 33012
IC 658		Glxy E+ pec	14.4	MCG 2-28-33 CGCG 66-75 PGC 33004
NGC 3477		Glxy S0/a	15.7	CGCG 66-74 PGC 32997
NGC 3474		Glxy S?	14.9	MCG 3-28-42 CGCG 95-81 PGC 32989
NGC 3476		Glxy E	14.8	NGC 3480 PGC 32987 MCG 2-28-32 CGCG 66-73
NGC 3473	H67-3	Glxy SBb:	14.4	UGC 6052 MCG 3-28-41 CGCG 95-79 PGC 32978
IC 659		Glxy E+	15.5	MCG -1-28-10 PGC 32979
IC 657		Glxy SB(rs)a?	14.5	MCG -1-28-9 PGC 32966
NGC 3467		Glxy S0	14.4	UGC 6045 MCG 2-28-30 CGCG 66-67 PGC 32903
NGC 3466		Glxy SB(s)b:	14.4	UGC 6042 MCG 2-28-28 CGCG 66-65 PGC 32872
NGC 3462	H16-2	Glxy S0:	13.2	UGC 6034 MCG 1-28-19 CGCG 38-49 PGC 32822
IC 656		Glxy		
NGC 3461		Glxy E	14.5	PGC 32793
NGC 3460		Non-Existent		
NGC 3457		Glxy S?	12.3	NGC 3460 PGC 32787 UGC 6030 MCG 3-28-32 CGCG 95-65
IC 655		Glxy	15.3	CGCG 10-42 PGC 32758
NGC 3447A		Glxy IB(s)m pec	14.5	UGC 6007 MCG 3-28-28 VV 252 PGC 32700
NGC 3447		Glxy SAB(s)m pec	13.1	UGC 6006 MCG 3-28-27 CGCG 95-58 VV 252 IRAS 10507+1702 PGC 32694
NGC 3443		Glxy SAd	13.7	UGC 6000 MCG 3-28-25 CGCG 95-56 PGC 32671
NGC 3444		Glxy Sbc: sp	15.5	UGC 6004 CGCG 66-55 PGC 32670
IC 2611		Non-Existent		(STAR)
NGC 3441		Glxy S?	14.5	UGC 5993 MCG 1-28-17 CGCG 38-40 ARAK263 PGC 32642
NGC 3438		Glxy S?	14.3	UGC 5988 MCG 2-28-25 CGCG 66-52 PGC 32638
NGC 3439		Glxy	15.2	CGCG 66-50 PGC 32634
IC 653		Glxy S0/a:	13.8	UGC 5985 MCG 0-28-22 CGCG 10-39 PGC 32611
NGC 3434	H497-3	Glxy SA(r)b	12.9	UGC 5980 MCG 1-28-15 CGCG 38-36 PGC 32595
NGC 3426		Glxy S?	14.1	UGC 5975 MCG 3-28-20 CGCG 95-46 ARAK262 PGC 32577
NGC 3428		Glxy SAB(s)b	13.9	NGC 3429 PGC 32552 UGC 5968 MCG 2-28-22 CGCG 66-45
NGC 3427		Glxy S0/a	14.2	UGC 5966 MCG 2-28-20 CGCG 66-43 PGC 32559
NGC 3425	H108-3	Non-Existent		NGC 3388 PGC 32555 UGC 5967 MCG 2-28-21 CGCG 66-44
NGC 3419A		Glxy SB(s)b: sp	14.9	UGC 5965 MCG 2-28-19 CGCG 66-42 PGC 32540
NGC 3419		Glxy (R)SAB(r)0+	13.5	UGC 5964 MCG 2-28-18 CGCG 66-41 ARAK259 PGC 32535

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Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 3417		Glxy	15.3	CGCG 66-39 PGC 32520
IC 648		Glxy Sc	14.8	MCG 2-28-17 CGCG 66-40 PGC 32522
NGC 3429		Non-Existent		NGC 3428 PGC 32510
NGC 3405		Glxy S0	14.4	UGC 5933 MCG 3-28-14 CGCG 95-33 PGC 32414
NGC 3399		Glxy S0?	13.8	MCG 3-28-12 CGCG 95-31 PGC 32395
IC 643		Glxy	15.3	CGCG 66-30 PGC 32392
NGC 3391		Glxy S?	13.9	UGC 5920 MCG 2-28-14 CGCG 66-27 IRAS 10462+1429 PGC 32347
NGC 3388		Glxy		
IC 642		Glxy E?	13.6	UGC 5905 MCG 3-28-10 CGCG 95-22 PGC 32278
NGC 3377A		Glxy SAB(s)m	14.2	UGC 5889 MCG 2-28-7 DDO88 CGCG 66-14 PGC 32226
NGC 3371		Glxy		
IC 639		Glxy Sb	15	MCG 3-28-7 CGCG 95-16 PGC 32129
NGC 3363		Glxy S?	14.3	UGC 5866 MCG 4-26-2 CGCG 125-3 IRAS 10424+2220 PGC 32089
NGC 3362		Glxy SABc	13.5	UGC 5857 MCG 1-28-5 CGCG 38-7 PGC 32078
NGC 3357		Glxy E+:	13.6	UGC 5206 UGC 5854A MCG 2-28-2 CGCG 66-6 PGC 32032
NGC 3352		Glxy S0	13.5	UGC 5851 MCG 4-25-48 CGCG 124-61 PGC 32025
NGC 3356	H107-3	Glxy Sbc	13.8	UGC 5852 MCG 1-28-4 CGCG 38-5 VV 529 PGC 32021
NGC 3349		Glxy Sc	15.2	MCG 1-28-2 CGCG 38-2 VV 514 PGC 31989
IC 638		Glxy SAB(s)bc	15.3	MK 632 CGCG 94-117 CGCG 95-4 IRAS 10411+1609 PGC 31988
NGC 3345	H26-1	Non-Existent		
NGC 3342	H5-3	Non-Existent		
IC 637		Glxy	15.3	CGCG 94-107 PGC 31900
NGC 3436		Glxy		PGC 31905
IC 635		Glxy S?	14.9	UGC 5821 MCG 3-27-69 CGCG 94-102 IRAS 10390+1554 PGC 31858
NGC 3332	H272-1	Glxy (R)SA0-	13.3	NGC 3342 PGC 31768 UGC 5807 MCG 2-27-38 CGCG 65-80
NGC 3328		Non-Existent		
NGC 3306		Glxy SB(s)m?	14	UGC 5774 MCG 2-27-32 CGCG 65-68 IRAS 10345+1254 PGC 31528
NGC 3760		Non-Existent		
NGC 3299	H54-3	Glxy SAB(s)dm	13.3	UGC 5761 MCG 2-27-29 CGCG 65-64 PGC 31442
IC 2590		Glxy S0	14.3	UGC 5756 MCG 5-25-24 CGCG 154-30 PGC 31429
IC 622		Non-Existent		UGC 5741 MCG 2-27-27 CGCG 65-59 IRAS 10320+1127 PGC 31302
IC 620		Glxy	15.2	CGCG 65-55 PGC 31215
IC 619		Glxy		
IC 616		Glxy Scd:	14.2	UGC 5730 MCG 3-27-60 CGCG 94-87 IRAS 10301+1606 PGC 31159
NGC 3270	H331-3	Glxy SAB(r)b:	13.9	UGC 5711 MCG 4-25-29 CGCG 124-34 IRAS 10287+2507 KARA423 PGC 31059
IC 2583		Glxy	15.3	MCG 4-25-27 CGCG 124-32 ARAK247 PGC 31033
IC 2579		Non-Existent		NGC 3151 UGC 5684 MCG 4-25-23 CGCG 124-29 IRAS 10264+2621 PGC 30892
NGC 3253		Glxy SAB(rs)bc	14.3	UGC 5674 MCG 2-27-21 CGCG 65-43 IRAS 10257+1257 PGC 30829
NGC 3248	H347-2	Glxy S0	13.4	UGC 5669 MCG 4-25-20 CGCG 124-24 PGC 30776
IC 615		Glxy S	15.1	UGC 5665 MCG 2-27-20 CGCG 65-41 PGC 30751
IC 613		Glxy E	14.8	MCG 2-27-18 CGCG 65-38 PGC 30728
IC 612		Glxy S	15.4	MCG 2-27-19 CGCG 65-39 PGC 30729
IC 602		Glxy S:	14.1	UGC 5561 MCG 1-26-34 CGCG 36-89 ARAK237 IRAS 10157+717 PGC 30090
IC 601		Glxy S?	15.4	MCG 1-26-33 CGCG 36-87 PGC 30086
NGC 3189		Knt in Glxy		NGC 3190 UGC 5559 MCG 4-24-26 CGCG 123-37 VV 307 ARP 316 IRAS

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Observed: No

Object	Her	Type	Mag	Alias/Notes
				10153+2204 PGC 30083
NGC 3186		Glxy S	15	MCG 1-26-32 MK 720 CGCG 36-85 PGC 30058
NGC 3154		Glxy Sb	14.3	UGC 5507 MCG 3-26-40 CGCG 93-71 IRAS 10103+1716 PGC 29759
NGC 3153	H53-3	Glxy Scd:	13.4	UGC 5505 MCG 2-26-32 CGCG 64-90 IRAS 10101+1254 PGC 29747
NGC 3134		Glxy		
NGC 3129	H65-3	Non-Existent		
IC 581		Glxy SBab:	15	UGC 5352 MCG 3-26-8 CGCG 93-10 PGC 28800
NGC 3070	H59-2	Glxy E	13.3	UGC 5350 MCG 2-26-6 CGCG 64-11 PGC 28796
NGC 3069		Glxy S0?	15.1	IC 580 PGC 28788 MCG 2-26-5 CGCG 64-10
IC 580		Non-Existent		MCG 2-26-5 CGCG 64-10 PGC 28788
IC 2520		Glxy S?	14.7	UGC 5335 MCG 5-24-3 CGCG 153-4 IRAS 9534+2727 PGC 28682
NGC 3060	H601-3	Glxy Sb	13.8	UGC 5338 MCG 3-26-2 CGCG 93-3 IRAS 9535+1704 PGC 28680
IC 578		Glxy SBa:	14.8	UGC 5337 MCG 2-26-2 CGCG 64-4 IRAS 9535+1043 PGC 28674
IC 577		Glxy S?	14.9	UGC 5334 MCG 2-26-1 CGCG 64-2 PGC 28662
IC 570		Glxy S	15.5	MCG 3-25-32 CGCG 92-60 PGC 28407
IC 569		Glxy E	15.3	MCG 2-25-48 CGCG 63-86 KARA378 PGC 28391
IC 568		Glxy SB(rs)b	14.3	UGC 5285 MCG 3-25-31 CGCG 92-57 IRAS 9484+1557 PGC 28368
NGC 3026		Glxy Im	13.5	UGC 5279 MCG 5-23-43 CGCG 152-74 IRAS 9480+2847 KARA377 KUG 948+287 PGC 28351
IC 567		Non-Existent		(STAR)
NGC 3024	H52-3	Glxy Sc: sp	13.8	UGC 5275 MCG 2-25-46 CGCG 63-84 IRAS 9477+1259 PGC 28324
NGC 3019		Glxy Sbc	15	MCG 2-25-44 CGCG 63-81 PGC 28295
NGC 3020	H51-3	Glxy SB(r)cd:	12.6	UGC 5271 MCG 2-25-45 CGCG 63-82 IRAS 9474+1302 PGC 28296
NGC 2984	H34-3	Glxy S0?	14.4	IC 556 PGC 27838 UGC 5200 MCG 2-25-25 CGCG 63-53
IC 556		Non-Existent		UGC 5200 MCG 2-25-25 CGCG 63-53 PGC 27838
IC 555		Non-Existent		IC 555 UGC 5178 MCG 2-25-20 CGCG 63-47 PGC 27716
IC 554		Glxy		IC 554 UGC 5178 MCG 2-25-20 CGCG 63-47 PGC 27716
IC 2499		Non-Existent		
IC 2498		Glxy (R')SA(r)b	15.2	CGCG 152-49 PGC 27668
IC 552		Glxy S0	14.4	UGC 5171 MCG 2-25-17 CGCG 63-38 PGC 27665
IC 551		Glxy S?	14.5	UGC 5168 MCG 1-25-12 CGCG 35-29 PGC 27645
IC 2465		Glxy	15.7	CGCG 121-69 PGC 26584
IC 2463		Glxy	15.7	CGCG 121-66 PGC 26557
NGC 2531		Non-Existent		NGC 2529 PGC 22827 UGC 4237 MCG 3-21-20 CGCG 88-38 IRAS 8050+1757
NGC 2530		Non-Existent		

**Sub Total: 572**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
CGCG 93-45		Glxy	15.3	
IC 540		Glxy S	14.9	UGC 5064 MCG 1-24-25 CGCG 34-54 PGC 26968
IC 545		Glxy Sab	15.3	MCG 4-23-13 CGCG 122-27 ARAK205 IRAS 9332+2510 PGC 27307
IC 585		Glxy S0-:	14.4	UGC 5371 MCG 2-26-14 CGCG 64-22 PGC 28897
IC 746		Glxy S?	14.8	UGC 6898 MCG 4-28-96 CGCG 127-106 IRAS 11530+2609 KUG 1153+261 PGC 37440
IC 744		Glxy	15.7	CGCG 127-102 PGC 37333

## Leo - The Lion

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 700		Glxy S0?	14	UGC 6487 MCG 4-27-47 CGCG 126-67 VV 498 Hickson 54A PGC 35382
IC 698		Glxy S0?	14.4	UGC 6482 MCG 2-29-35 CGCG 67-88 IRAS 11264+923 PGC 35364
IC 696		Glxy SBdm:	14.2	UGC 6477 MCG 2-29-34 CGCG 67-86 IRAS 11259+922 PGC 35332
IC 661		Glxy L	15.7	CGCG 10-50 PGC 33051
IC 660		Glxy E	15.7	CGCG 10-48 PGC 33017
IC 607		Glxy SB(rs)bc	14	UGC 5628 MCG 3-27-18 CGCG 94-30 ARP 43 PGC 30496
IC 596		Glxy Sb	15	MCG 2-26-30 CGCG 64-84 IRAS 10079+1016 PGC 29621
IC 595		Glxy	15.1	CGCG 64-81 PGC 29555
IC 591		Glxy S?	14.1	UGC 5458 MCG 2-26-25 CGCG 64-69 ARAK231 IRAS 10047+1231 PGC 29435
IC 742		Glxy SBab	14.7	UGC 6822 MCG 4-28-68 CGCG 127-73 PGC 37056
IC 739		Glxy SBab:	14.6	UGC 6830 MCG 4-28-72 CGCG 127-77 PGC 37097
IC 737		Glxy S?	16.1	MCG 2-30-40 CGCG 68-72 IRAS 11459+1300 Hickson 59D PGC 36867
IC 736		Glxy E?	14.8	MCG 2-30-39 CGCG 68-70 Hickson 59A PGC 36861
IC 732		Glxy S0?	15.1	MCG 4-28-50 CGCG 127-51 PGC 36688
IC 727		Glxy Sb	14.9	UGC 6715 MCG 2-30-25 CGCG 68-50 PGC 36536
IC 710		Glxy	15.7	CGCG 126-98 PGC 35750
IC 707		Glxy S?	14.3	UGC 6543 MCG 4-27-64 CGCG 126-91 ARAK301 IRAS 11311+2139 PGC 35708
IC 701		Glxy SB(rs)dm pec	15.1	UGC 6503 MCG 4-27-51 CGCG 126-74 VV 3 ARP 197 PGC 35494
IC 548		Glxy	15.5	CGCG 63-24 PGC 27463
IC 544		Glxy S	15.4	MCG 4-23-12 CGCG 122-25 IRAS 9330+2507 PGC 27293
CGCG 97-90		Glxy S0	15.3	
CGCG 97-86		Glxy S0	15.7	
PGC 26695		Glxy	15.2	CGCG 62-29
PGC 26842		Glxy S?	15.3	UGC 5044 MCG 2-24-13 CGCG 62-37 ARP 237 Hickson 38B
PGC 27175		Glxy S	14.9	UGC 5093 MCG 2-25-4 CGCG 63-8
PGC 27434		Glxy S	15.9	MCG 4-23-22 CGCG 122-39
PGC 30350		Glxy L	16.5	MCG 3-27-8 Hickson 46B
PGC 30349		Glxy S0?	16.5	MCG 3-27-7 Hickson 46C
PGC 30347		Glxy S0?	15.4	MCG 3-27-5 CGCG 94-14 Hickson 46A
PGC 30328		Glxy Sab	15.6	UGC 5597 MCG 4-25-8 CGCG 124-11
PGC 30305		Glxy Sc	15.1	UGC 5592 MCG 4-25-6 CGCG 124-7
PGC 30265		Glxy	15.4	MCG 4-25-4 CGCG 124-5 ARAK239
PGC 30263		Glxy S?	15	UGC 5588 MCG 4-25-3 CGCG 124-4 ARAK238 IRAS 10181+2537
PGC 30221		Glxy Sb	16.5	UGC 5583
PGC 28487		Glxy S?	14.3	UGC 5304 MCG 1-25-30 CGCG 35-76 VV 342 ARP 255 IRAS 9505+806
PGC 33141		Glxy S R	14.8	MCG 3-28-45 CGCG 95-86
PGC 33116		Glxy Double System	15.2	UGC 6073 MCG 3-28-43 CGCG 95-84 VV 267 ARP 198
PGC 33065		Glxy SB(rs)b?	14.9	CGCG 10-51
PGC 33000		Glxy Triple System	14.9	UGC 6057 MCG 0-28-24 CGCG 10-47
PGC 32963		Glxy	15.4	CGCG 10-45
PGC 32380		Glxy C	16.2	8ZW105
PGC 31937		Glxy	15.7	CGCG 65-90
PGC 31930		Glxy SB?	13.7	UGC 5832 MCG 2-27-42 CGCG 65-89 VV 112 ARP 291 IRAS 10401+1343
PGC 30433		Glxy	15.7	CGCG 65-16
PGC 34899		Glxy S0?	15.2	Hickson 51F

## Leo - The Lion

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 34881		Glxy S0?	15.1	MCG 4-27-27 CGCG 126-41 ARAK290 Hickson 51E
PGC 34689		Glxy SA(s)c	14.1	MCG 0-29-17 CGCG 11-62 ANON 1117-2
PGC 34651		Glxy E pec:	16.8	ESGC ARP 132
PGC 34639		Glxy	15.5	CGCG 11-53 ARP 132
PGC 34547		Glxy C	15.9	CGCG 126-22
PGC 34516		Glxy L	15.7	MCG 5-27-44
PGC 34407		Glxy E/S0	16.3	MCG 3-29-18
PGC 33862		Glxy Sb? pec sp	15	UGC 6207 MCG 4-26-37 CGCG 125-36 VV 229 ARP 301 ANON 1107+24B
PGC 35588		Glxy S0?	14.1	UGC 6522 MCG 5-27-87 CGCG 156-98
PGC 35548		Glxy S R	15.3	MCG 4-27-56 CGCG 126-81
PGC 35514		Glxy	15.4	CGCG 156-92
PGC 35498		Glxy SB	14.5	MCG 3-29-61 CGCG 126-75 IRAS 11284+2030
PGC 35485		Glxy	15.8	CGCG 126-73
PGC 35385		Glxy S	18.5	Hickson 54D
PGC 35384		Glxy S	17	Hickson 54C
PGC 35381		Glxy S	16.7	Hickson 53D
PGC 35380		Glxy S?	16.2	Hickson 54B
PGC 36355		Glxy IBm	13.3	UGC 6670 MCG 3-30-53 CGCG 97-67 IRAS 11398+1836 ANON 1139+18
PGC 36349		Glxy S?	14.6	MCG 3-30-51 CGCG 97-68
PGC 36342		Glxy S?	14.6	UGC 6666 MCG 3-30-50 CGCG 97-65 IRAS 11397+1617 KUG 1139+162B
PGC 36330		Glxy	15.4	CGCG 97-62
PGC 36328		Glxy S?	15.9	MCG 3-30-48 CGCG 97-64
PGC 36323		Glxy	15.6	CGCG 97-63
PGC 36321		Glxy S0	15.3	MCG 3-30-49 CGCG 97-61
PGC 36295		Glxy E?	15.2	UGC 6655 MCG 3-30-47 MK 747 CGCG 97-59 ARAK311
PGC 36294		Glxy SB0/a?	14.7	UGC 6653 MCG 3-30-44 CGCG 97-56 IRAS 11390+1614 KUG 1139+162A
PGC 37426		Glxy S	16	MCG 2-30-44 CGCG 68-91 CGCG 69-3
PGC 37252		Glxy	15.3	CGCG 127-92
PGC 37192		Glxy S	15.4	CGCG 127-85
PGC 37134		Glxy S	16.6	UGC 6835
PGC 37096		Glxy E	15.5	MCG 4-28-75 CGCG 127-79
PGC 37075		Glxy E	15.2	MCG 4-28-70 MK 1463 CGCG 127-74
PGC 37054		Glxy		MK 1462
PGC 37051		Glxy S?	15.7	MCG 4-28-66 MK 1461 CGCG 127-71 IRAS 11483+2126
PGC 37040		Glxy S	15.3	MCG 4-28-63 CGCG 127-68
PGC 37039		Glxy	15.9	CGCG 97-162
PGC 37018		Glxy S R	15.5	MCG 4-28-62
PGC 37017		Glxy	15.5	CGCG 127-67
PGC 36932		Glxy Sd	15	UGC 6791 MCG 5-28-35 CGCG 157-39
PGC 36871		Glxy S?	15.9	MCG 2-30-41 CGCG 68-73 Hickson 59C
PGC 36853		Glxy S0?	15.6	MCG 2-30-37 CGCG 68-68 Hickson 59B
PGC 36851		Glxy S	17	Hickson 59E
PGC 36739		Glxy SB	15.3	UGC 6753 MCG 3-30-110 CGCG 97-146
PGC 36738		Glxy	15.5	CGCG 97-145
PGC 36704		Glxy I?	14.5	MCG 2-30-35 CGCG 68-62

## Leo - The Lion

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 36666		Glxy S?	14.6	UGC 6740 MCG 2-30-34 CGCG 68-61 IRAS 11431+1045
PGC 36600		Glxy C	15.5	CGCG 157-28
PGC 36598		Glxy	15.7	CGCG 97-126
PGC 36589		Glxy S?	15.7	MCG 3-30-92 CGCG 97-125
PGC 36586		Glxy	15.9	CGCG 97-123
PGC 36575		Glxy	15.7	CGCG 97-118
PGC 36574		Glxy S?	14.4	UGC 6719 MCG 3-30-89 CGCG 97-121
PGC 36566		Glxy	15.6	CGCG 97-113
PGC 36565		Glxy	15.3	CGCG 97-114
PGC 36547		Glxy I?	15.6	MCG 2-30-26 CGCG 68-52
PGC 36544		Glxy S0	14.9	MCG 3-30-83 CGCG 97-112 IRAS 11419+2022
PGC 36526		Glxy	15.5	CGCG 97-111
PGC 36525		Glxy SB?	15.1	CGCG 97-109
PGC 36512		Glxy S	15.5	MCG 4-28-43 CGCG 97-102 CGCG 127-42
PGC 36511		Glxy S	16.9	MCG 4-28-44 CGCG 97-102 CGCG 127-42
PGC 36510		Glxy L	15.5	MCG 3-30-79 CGCG 97-110
PGC 36503		Glxy S	15.4	MCG 3-30-76 CGCG 97-101
PGC 36502		Glxy S	15.5	MCG 3-30-78 CGCG 97-105
PGC 36494		Glxy	15.7	CGCG 97-99
PGC 36486		Glxy S?	15.5	MCG 3-30-71 CGCG 97-93
PGC 36480		Glxy	15.7	CGCG 97-94
PGC 36478		Glxy	15.5	CGCG 97-92
PGC 36468		Glxy	15.3	
PGC 36466		Glxy Im:	14.1	UGC 6697 MCG 3-30-66 CGCG 97-87 IRAS 11412+2014
PGC 36465		Glxy S0?	15.2	MCG 3-30-67 CGCG 97-88
PGC 36458		Glxy	15.3	CGCG 127-40
PGC 36431		Glxy Sb	15	UGC 6686 MCG 3-30-62 CGCG 97-81
PGC 36415		Glxy	15.5	MCG 5-28-24
PGC 36406		Glxy	15.7	CGCG 97-79
PGC 36402		Glxy S0/a	15.4	UGC 6683 MCG 3-30-59 CGCG 97-78
PGC 36392		Glxy Sb	15.2	UGC 6678 MCG 5-28-22 CGCG 157-20 VV 353 ARP 115
PGC 36382		Glxy	15.5	CGCG 97-73
PGC 36379		Glxy	15.1	CGCG 157-21 VV 353 ARP 115
PGC 36377		Glxy Sab	15.3	CGCG 97-74
PGC 36372		Glxy Sab	15.6	UGC 6677 MCG 5-28-19 CGCG 157-19
PGC 36371		Glxy S?	14.9	MCG 3-30-55 CGCG 97-72
PGC 36293		Glxy SBbc	16.3	MCG 4-28-29
PGC 36195		Glxy S?	14.7	UGC 6631 MCG 3-30-36 CGCG 97-48 IRAS 11376+1735
PGC 36194		Glxy S?	14.6	MCG 3-30-38 CGCG 97-50 VV 350
PGC 36189		Glxy S	17.2	MCG 3-30-35
PGC 36133		Glxy	15.6	CGCG 127-16
PGC 36010		Glxy L	17	Hickson 57H
PGC 35991		Glxy Sd	14.4	UGC 6594 MCG 3-30-27 CGCG 97-32 KUG 1135+168
PGC 35589		Glxy S	15.7	MCG 5-27-88 CGCG 156-99
PGC 35360		Glxy S0?	14.9	MCG 4-27-44 CGCG 126-63 Hickson 53B

## Leo - The Lion

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 35355		Glxy S?	15.1	MCG 4-27-45 MK 1296 CGCG 126-64 Hickson 53C
PGC 35184		Glxy S	16.3	Hickson 52C
PGC 35183		Glxy SB?	15.4	MCG 4-27-36 Hickson 52A
PGC 35179		Glxy S	16.4	Hickson 52B
PGC 35178		Glxy S	17	Hickson 52D
PGC 34907		Glxy S?	15.7	MCG 4-27-30 Hickson 51D
PGC 34901		Glxy Star ??	16.2	Hickson 51G
PGC 33855		Glxy Sb? pec	14.8	UGC 6204 MCG 4-26-36 CGCG 125-35 VV 229 ARP 301 ANON 1107+24A
PGC 33698		Glxy S	15.7	MCG 3-29-1
PGC 33677		Glxy SAB(r)0+ pec	14.7	UGC 6175 MCG 3-28-62 CGCG 95-116 CGCG 96-2 VV 239 ARP 191 ANON 1104+18A
PGC 33670		Glxy SAB0- pec	14.6	UGC 6175 MCG 3-28-63 CGCG 95-116 CGCG 96-2 VV 239 ARP 191 ANON 1104+18B
PGC 33660		Glxy IBm:	14.4	UGC 6171 MCG 3-28-61 CGCG 96-1 CGCG 95-115
PGC 33636		Glxy	15.4	CGCG 95-114
PGC 33588		Glxy	15.8	CGCG 66-111
PGC 33333		Glxy Sd?	13.9	UGC 6112 MCG 3-28-50 CGCG 95-96
PGC 30432		Glxy L	13.2	MCG 2-27-4 CGCG 65-15
PGC 30431		Glxy	15.2	MCG 2-27-5 CGCG 65-15
PGC 30428		Glxy	15.5	CGCG 65-13
PGC 30397		Glxy	15.4	CGCG 94-22
PGC 30388		Glxy S	15.3	MCG 3-27-12 CGCG 94-20
PGC 30366		Glxy C	17.4	2ZW45
PGC 30360		Glxy SB?	15.4	UGC 5602
PGC 30354		Glxy L	16.4	MCG 3-27-9 Hickson 46D
PGC 31558		Glxy	15.1	CGCG 94-98
PGC 30856		Glxy S?	14.8	UGC 5679 MCG 5-25-15 CGCG 154-18 IRAS 10261+2635
PGC 30818		Glxy S?	14.5	UGC 5672 MCG 4-25-21 CGCG 124-26
PGC 30620		Glxy S	16.9	MCG 2-27-15 Hickson 47C
PGC 30619		Glxy S0?	16	MCG 2-27-13 CGCG 65-30 Hickson 47B
PGC 30618		Glxy Sd	16.5	MCG 2-27-14 Hickson 47D
PGC 30616		Glxy SA(r):	15.2	UGC 5644 MCG 2-27-12 CGCG 65-30 ANON 1023+13 Hickson 47A
PGC 30606		Glxy C	15.3	MCG 3-27-30 CGCG 94-46
PGC 30595		Glxy SABc	14.6	UGC 5639 MCG 3-27-29 CGCG 94-45
PGC 30585		Glxy SB?	14.9	MCG 3-27-27 CGCG 94-42
PGC 30577		Glxy C	15	CGCG 94-43
PGC 30573		Glxy S	15.2	MCG 3-27-26 CGCG 94-39
PGC 30564		Glxy C	15.3	MCG 3-27-23 CGCG 94-39
PGC 30563		Glxy S	15.6	MCG 3-27-24 CGCG 94-40
PGC 30464		Glxy S	15.2	UGC 5625 CGCG 65-21
PGC 30456		Glxy	15.4	CGCG 65-19
PGC 28478		Glxy	15.2	CGCG 35-75
PGC 27701		Glxy L	14.8	MCG 2-25-19 CGCG 63-44
PGC 27683		Glxy	15.5	CGCG 63-43
PGC 27681		Glxy Sb	14.7	UGC 5173 MCG 2-25-18 CGCG 63-40 IRAS 9388+1138
PGC 27547		Glxy SAB0^: pec	16.1	UGC 5146 MCG 6-21-71 CGCG 181-80 3ZW60 VV 83 ARP 129 ANON 936+32B KUG 936+325C

## Leo - The Lion

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 27546		Glxy SB(r)c: pec	13.3	UGC 5146 MCG 6-21-72 CGCG 181-80 3ZW60 VV 83 ARP 129 ANON 936+32A KUG 936+325C
PGC 27493		Glxy	15.2	MCG 3-25-12
PGC 27435		Glxy S	15.6	MCG 4-23-21 CGCG 122-39
PGC 29698		Glxy Scd:	14.3	UGC 5495 MCG 3-26-39 CGCG 93-69 IRAS 10091+1641
PGC 29488		Glxy E3	11.2	LeoI UGC 5470 MCG 2-26-27 DDO74 CGCG 64-73 ANON 1005+12
PGC 29372		Glxy Sb	15	UGC 5448 MCG 3-26-26 CGCG 93-43 VV 240
PGC 28973		Glxy S	15.3	UGC 5381 MCG 4-24-9 CGCG 123-12 IRAS 9580+2233
PGC 28851		Glxy Sb	15	MCG 2-26-12 CGCG 64-16
PGC 28850		Glxy Sb	14.6	MCG 2-26-11 CGCG 64-16
PGC 28700		Glxy Scd:	15	UGC 5341 MCG 4-24-6 CGCG 123-8 IRAS 9537+2053
PGC 28502		Glxy S?	14.4	UGC 5308 MCG 1-25-31 CGCG 35-78 VV 342
PGC 27405		Glxy	15.5	CGCG 92-13
PGC 26844		Glxy S?	15.9	UGC 5044 MCG 2-24-14 ARP 237 Hickson 38C
PGC 26831		Glxy S?	16	MCG 2-24-12 CGCG 62-36 ARP 237 Hickson 38A
PGC 26830		Glxy S	17.1	Hickson 38D
IC 2486		Glxy SAB(rs)bc	14.8	UGC 5062 MCG 5-23-6 CGCG 152-20 PGC 26982
IC 2567		Glxy LB	15.4	MCG 4-25-10 CGCG 124-13 PGC 30339
IC 2867		Glxy	15.6	CGCG 67-87 PGC 35358
IC 2930		Glxy	15.7	CGCG 68-2 PGC 35700
IC 2938		Glxy	15.3	CGCG 68-7 PGC 35837
MAC 1021+2355		Glxy	17	
MAC 1007+1214		Glxy	15	
MAC 1006+1423		Glxy	16	
MAC 1006+1421		Glxy	16	
MAC 1006+1417		Glxy	15	
MAC 0959+1302		Glxy	16	
MAC 0959+1301		Glxy	16.5	
MAC 0958+2852		Glxy	16	ARP 174
MAC 0958+2846		Glxy	16	
MAC 1022+2221		Glxy	16	
MAC 1022+1947		Glxy	15.5	
MAC 1022+1921A		Glxy	16	
MAC 1022+1746A		Glxy	15	
MAC 1022+1249		Glxy	16.5	
MAC 1022+1242		Glxy	16.5	
MAC 1021+2359		Glxy	16	
MAC 1021+2358		Glxy	16	
MAC 1021+2357		Glxy	16	
MAC 1058+0116B		Glxy	17.5	
MAC 1058+0116A		Glxy	16.5	
MAC 1057+0143		Glxy	15.5	
MAC 1057+0139		Glxy	16.5	
MAC 1057+0138		Glxy	16.5	
MAC 1057+0136		Glxy	15.5	
MAC 1057+0134B		Glxy	15.5	

## Leo - The Lion

Observed: Yes

<b>Object</b>	<b>Her</b>	<b>Type</b>	<b>Mag</b>	<b>Alias/Notes</b>
MAC 1057+0126		Glxy	17	
MAC 1057+0115B		Glxy	15	
MAC 1059+0124A		Glxy	16	
MAC 1059+0123		Glxy	15.5	
MAC 1058+0143		Glxy	16	
MAC 1058+0140		Glxy	16.5	
MAC 1058+0139B		Glxy	15	
MAC 1058+0139A		Glxy	17	
MAC 1058+0138		Glxy	16	
MAC 1058+0136D		Glxy	15.5	
MAC 1058+0136C		Glxy	16	
MAC 1137+2202		Glxy	15.5	
MAC 1133+1208		Glxy	16.5	
MAC 1131+2812		Glxy	15.5	
MAC 1131+2021A		Glxy	16.5	
MAC 1128+0905		Glxy	16.5	
MAC 1119-0306		Glxy	16.5	
MAC 1119-0305		Glxy	16	
MAC 1118+2332A		Glxy	15	
MAC 1118+2332		Glxy	15	
MAC 1348+2543		Glxy	16	
MAC 1153+2044		Glxy	16.5	
MAC 1152+2039		Glxy	14.5	
MAC 1152+2035A		Glxy	15.5	
MAC 1152+2029		Glxy	15.5	
MAC 1150+2111		Glxy	16	
MAC 1146+2026		Glxy	16	
MAC 1145+2652		Glxy	16	
MAC 1145+2026		Glxy	16	
MAC 1144+2014		Glxy	15.5	
MAC 1144+2006A		Glxy	16	
MAC 1144+2006		Glxy	16	
MAC 1144+1948		Glxy	15.5	
MAC 1144+1944B		Glxy	15.5	
MAC 1144+1943		Glxy	16	
MAC 1144+1941		Glxy	16.6	
MAC 1144+1636		Glxy	16	
MAC 1144+1633		Glxy	14.5	
MAC 1144+1045		Glxy	16	
MAC 1143+2018		Glxy	15.5	
MAC 1143+2014		Glxy	16.5	
MAC 1141+2015		Glxy	16.5	
MAC 1141+2014		Glxy	15	
MAC 1141+1557		Glxy	16.5	
MAC 1140+2220		Glxy	16.5	

## Leo - The Lion

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC 1139+2621		Glxy	16	
MAC 1139+2618		Glxy	16	
MAC 1139+2023		Glxy	15	
MAC 1139+2020		Glxy	16	
MAC 1138+2150C		Glxy	15	
MAC 1138+2150A		Glxy	15	
MAC 1118+2329		Glxy	17	
MAC 1117+2643		Glxy	15.5	
MAC 1117+2320		Glxy	16.5	
MAC 1107+1818		Glxy	16	
MAC 1059+1738B		Glxy	16.5	
MAC 1059+0136B		Glxy	16	
MAC 1059+0136A		Glxy	16	
MAC 1059+0126		Glxy	16	
MAC 1058+0136B		Glxy	15	
MAC 1058+0133B		Glxy	16.5	
MAC 1058+0133A		Glxy	16	
MAC 1058+0130		Glxy	16.5	
MAC 1058+0125		Glxy	16	
MAC 1058+0124		Glxy	16.5	
MAC 1058+0122		Glxy	16	
MAC 1058+0116D		Glxy	17	
MAC 1029+2604B		Glxy	16	
MAC 1029+2604A		Glxy	16	
MAC 1028+2235		Glxy	16	
MAC 1025+1714		Glxy	16	
MAC 1025+1704		Glxy	14.5	
MAC 1025+1703		Glxy	15.5	
MAC 1024+1713		Glxy	15	
MAC 1023+1303		Glxy	15	
MAC 1023+1252		Glxy	15.5	
MAC 1023+1251		Glxy	17	
MAC 1023+1250B		Glxy	17	
MAC 1023+1250A		Glxy	16.5	
MAC 1023+1249		Glxy	16	
MAC 1023+1248		Glxy	15.5	
MAC 1023+1247		Glxy	16.5	
MAC 1022+2436		Glxy	15	
MAC 0958+1303		Glxy	16	
MAC 0953+0753		Glxy	16	
MAC 0953+0752		Glxy	16	
MAC 0953+0749		Glxy	15.5	
MAC 0939+3223		Glxy	16.5	
MAC 0938+1702		Glxy	16	
MAC 0938+1700		Glxy	15.5	

## Leo - The Lion

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC 0937+1706		Glxy	15.5	
MAC 0937+1705		Glxy	16	
MAC 0937+1702		Glxy	16	
IC 2982		Glxy L	15.3	MCG 5-28-59 CGCG 157-63 VV 230 PGC 37636
IC 2956		Glxy SAB(s)bc	14.6	UGC 6729 MCG 5-28-27 CGCG 157-30 PGC 36625
IC 2955		Glxy	15.1	MCG 3-30-96 CGCG 97-128 ARAK318 PGC 36603
IC 2951		Glxy Sa	14.5	UGC 6688 MCG 3-30-61 CGCG 97-82 PGC 36436
IC 2945		Glxy E/S0	14.5	UGC 6585 MCG 2-30-4 CGCG 68-11 PGC 35958
IC 2941		Glxy S?	14.6	MCG 2-30-3 CGCG 68-9 PGC 35881
IC 2934		Glxy Sb	15.1	MCG 2-30-2 CGCG 68-4 KARA486 PGC 35739
IC 2914		Glxy S	15.4	CGCG 68-1 KUG 1129+137 PGC 35580
IC 2759		Glxy S?	15.6	MCG 4-27-26 CGCG 126-40 Hickson 51B PGC 34882
IC 2551		Glxy S?	14.5	UGC 5488 MCG 4-24-16 MK 717 CGCG 123-20 IRAS 10078+2439 PGC 29632
IC 2487		Glxy Sb: sp	14.3	UGC 5059 MCG 3-24-61 CGCG 91-98 IRAS 9273+2018 KARA340 PGC 26966
IC 2495		Glxy S?	14.8	MCG 5-23-23 CGCG 152-42 PGC 27455
IC 2490		Glxy Sbc	14.2	UGC 5087 MCG 5-23-10 CGCG 152-26 PGC 27121
NGC 2872	H57-2	Glxy E2	12.9	UGC 5018 MCG 2-24-8 CGCG 62-33 ARP 307 PGC 26733
NGC 2875	H58-2	Knt in Glxy SB(r)bc	13.4	NGC 2874 UGC 5021 MCG 2-24-10 CGCG 62-34 ARP 307 IRAS 9230+1138 PGC 26740
NGC 2896		Glxy S	14.7	MCG 4-23-7 CGCG 122-9 PGC 26985
NGC 2894	H8-3	Glxy Sa	13.3	UGC 5056 MCG 1-24-24 CGCG 34-51 IRAS 9268+756 PGC 26932
NGC 2893	H297-3	Glxy (R)SB0/a	13.9	UGC 5060 MCG 5-23-5 MK 401 CGCG 152-18 IRAS 9273+2945 KUG 927+297 PGC 26979
NGC 2873		Glxy Sb	16.8	MCG 2-24-9 ARP 307 PGC 26742
NGC 2903	H56-1	Glxy SAB(rs)bc	9.7	
NGC 2926		Glxy S?	14.4	UGC 5125 MCG 6-21-60 CGCG 181-71 IRAS 9345+3304 PGC 27400
NGC 2919		Glxy SAB(r)b:	13.6	UGC 5102 MCG 2-25-7 CGCG 63-13 IRAS 9321+1030 PGC 27232
NGC 2918	H298-3	Glxy E	13.6	UGC 5112 MCG 5-23-19 CGCG 152-32 PGC 27282
NGC 2916	H260-2	Glxy SA(rs)b?	11.9	UGC 5103 MCG 4-23-11 CGCG 122-21 IRAS 9321+2155 PGC 27244
NGC 2914	H513-3	Glxy SB(s)ab	14.1	UGC 5096 MCG 2-25-6 CGCG 63-10 ARP 137 PGC 27185
NGC 2913		Glxy S?	14.1	UGC 5095 MCG 2-25-5 CGCG 63-9 PGC 27184
NGC 2911	H40-2	Glxy SA(s)0: pec	12.5	UGC 5092 MCG 2-25-3 CGCG 63-7 ARP 232 PGC 27159
NGC 2906	H495-2	Glxy Scd:	13.4	UGC 5081 MCG 2-25-1 CGCG 63-1 IRAS 9294+839 PGC 27074
NGC 2905	H57-1	Knt in Glxy		NGC 2903 UGC 5079 MCG 4-23-9 CGCG 122-14 KARA347 PGC 27077
NGC 3937	H389-3	Glxy S0-:	13.4	IC 2968 UGC 6851 MCG 4-28-81 CGCG 127-88 PGC 37219
NGC 3934		Glxy S?	14.5	UGC 6841 MCG 3-30-123 CGCG 97-171 IRAS 11496+1707 PGC 37170
NGC 3933		Glxy S?	14.3	UGC 6839 MCG 3-30-122 CGCG 97-170 PGC 37156
NGC 3929		Glxy E?	15	UGC 6832 MCG 4-28-76 CGCG 127-80 PGC 37126
NGC 3926B	H379-3	Glxy E/S0	14.5	PGC 37080 UGC 6829 MCG 4-28-73
NGC 3926A	H379-3	Glxy E/S0	14.5	PGC 37079 UGC 6829 MCG 4-28-74
NGC 3925		Glxy SAB0/a	15.3	MCG 4-28-71 CGCG 127-75 PGC 37078
NGC 3920		Glxy S?	14.1	UGC 6803 MCG 4-28-59 CGCG 127-64 ARAK327 VV 367 IRAS 11475+2511 PGC 36981
NGC 3919		Glxy E	14.3	UGC 6810 MCG 3-30-119 CGCG 97-161 PGC 37032
NGC 3912	H342-2	Glxy SAB(s)b? pec	13.2	UGC 6801 MCG 5-28-37 CGCG 157-41 IRAS 11474+2645 PGC 36979
NGC 3911	H341-3	Glxy SB?	14.8	UGC 6795 MCG 4-28-56 CGCG 127-61 PGC 36926
NGC 3910		Glxy S0-:	13.8	UGC 6800 MCG 4-28-58 CGCG 127-63 PGC 36971

## Leo - The Lion

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 3908		Glxy		PGC 36967
NGC 3902	H321-3	Glxy SAB(s)bc:	13.6	UGC 6790 MCG 4-28-55 CGCG 127-60 IRAS 11467+2623 PGC 36923
NGC 3900	H82-1	Glxy SA(r)0+	12.2	UGC 6786 MCG 5-28-34 CGCG 157-38 IRAS 11465+2718 PGC 36914
NGC 3886		Glxy S0-:	14.1	UGC 6760 MCG 3-30-111 CGCG 97-147 PGC 36756
NGC 3884	H388-3	Glxy SA(r)0/a	13.5	UGC 6746 MCG 4-28-51 CGCG 127-52 PGC 36706
NGC 3883	H372-3	Glxy SA(rs)b	13.4	UGC 6754 MCG 4-28-53 CGCG 127-54 PGC 36740
NGC 3875	H387-3	Glxy S0/a	14.9	UGC 6739 MCG 3-30-105 CGCG 97-139 PGC 36675
NGC 3873		Glxy E	13.9	UGC 6735 MCG 3-30-106 CGCG 97-137 PGC 36670
NGC 3872	H104-2	Glxy E5	12.7	UGC 6738 MCG 2-30-33 CGCG 68-60 PGC 36678
NGC 3869		Glxy Sa	13.6	UGC 6737 MCG 2-30-32 CGCG 68-59 PGC 36669
NGC 3868		Glxy S?	15.3	MCG 3-30-104 CGCG 97-135 PGC 36638
NGC 3867		Glxy S?	14.2	UGC 6731 MCG 3-30-103 CGCG 97-134 PGC 36649
NGC 3864		Glxy S?	15.1	MCG 3-30-97 CGCG 97-130 PGC 36620
NGC 3862	H385-3	Glxy E	13.7	UGC 6723 MCG 3-30-95 CGCG 97-127 PGC 36606
NGC 3861		Glxy (R')SAB(r)b	13.5	UGC 6724 MCG 3-30-93 CGCG 97-129 IRAS 11424+2015 PGC 36604
NGC 3860	H386-3	Glxy S?	14.2	UGC 6718 MCG 3-30-88 CGCG 97-120 IRAS 11422+2003 PGC 36577
NGC 3859		Glxy S?	14.8	UGC 6721 MCG 3-30-91 CGCG 97-122 IRAS 11423+1943 PGC 36582
NGC 3857		Glxy S0?	15.1	MCG 3-30-84 CGCG 97-117 PGC 36548
NGC 3853		Glxy E	13.4	UGC 6712 MCG 3-30-81 CGCG 97-107 PGC 36535
NGC 3851	H378-3	Glxy E	15.4	MCG 3-30-77 CGCG 97-106 ARAK316 PGC 36516
NGC 3845		Glxy S?	15	MCG 3-30-74 CGCG 97-100 PGC 36470
NGC 3844		Glxy S0/a	14.9	UGC 6705 MCG 3-30-69 CGCG 97-97 PGC 36481
NGC 3842	H377-3	Glxy E	12.8	UGC 6704 MCG 3-30-72 CGCG 97-95 PGC 36487
NGC 3841		Glxy S?	14.6	MCG 3-30-73 CGCG 97-96 PGC 36469
NGC 3840		Glxy Sa	14.5	UGC 6702 MCG 3-30-70 CGCG 97-91 IRAS 11413+2021 PGC 36477
NGC 3839		Glxy Sdm:	14.1	UGC 6700 MCG 2-30-24 CGCG 68-48 IRAS 11413+1103 PGC 36475
NGC 3837		Glxy E	14.3	UGC 6701 MCG 3-30-68 CGCG 97-89 ARAK314 PGC 36476
NGC 3834		Glxy S?	14.4	MCG 3-30-65 CGCG 97-84 PGC 36443
NGC 3832	H340-3	Glxy SB(rs)bc	13.6	UGC 6693 MCG 4-28-40 CGCG 127-38 PGC 36446
NGC 3830		Glxy S0	15.4	PGC 36414 MCG 5-28-25 CGCG 157-23
NGC 3828		Glxy S	15.4	MCG 3-30-57 CGCG 97-75 PGC 36376
NGC 3827		Glxy S?	13.8	UGC 6673 MCG 3-30-54 CGCG 97-70 IRAS 11400+1907 PGC 36361
NGC 3826	H341-2	Glxy E	14.4	PGC 36359 UGC 6671 MCG 5-28-18 CGCG 157-18
NGC 3821	H376-3	Glxy (R)SAB(s)ab	13.7	UGC 6663 MCG 4-28-30 CGCG 127-32 PGC 36314
NGC 3820		Glxy S?	15.4	MCG 2-30-14 CGCG 68-31 Hickson 58E PGC 36308
NGC 3819		Glxy E?	14.8	MCG 2-30-13 CGCG 68-30 Hickson 58D PGC 36311
NGC 3817		Glxy SB0/a	13.3	UGC 6657 MCG 2-30-12 CGCG 68-28 Hickson 58C PGC 36299
NGC 3816		Glxy S0	13.5	UGC 6656 MCG 3-30-46 CGCG 97-60 PGC 36292
NGC 3815	H339-3	Glxy Sab	13.9	UGC 6654 MCG 4-28-25 CGCG 127-30 PGC 36288
NGC 3814		Glxy S0	15.7	MCG 4-28-24 CGCG 127-28 PGC 36267
NGC 3812	H320-3	Glxy E	13.4	UGC 6648 MCG 4-28-23 CGCG 127-27 PGC 36256
NGC 3810	H21-1	Glxy SA(rs)c	11.4	UGC 6644 MCG 2-30-10 CGCG 68-24 IRAS 11383+1144 PGC 36243
NGC 3808A		Glxy I0? pec	15	UGC 6643 MCG 4-28-20 CGCG 127-25 VV 300 ARP 87 IRAS 11381+2243 PGC 36228
NGC 3808	H338-3	Glxy SAB(rs)c: pec	14.1	UGC 6643 MCG 4-28-21 CGCG 127-25 VV 300 ARP 87 PGC 36227
NGC 3807		Glxy	15	

## Leo - The Lion

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 3805	H375-3	Glxy S0-:	13.6	UGC 6642 MCG 4-28-19 CGCG 127-24 PGC 36224
NGC 3803		Glxy		PGC 36204
NGC 3802	H30-3	Glxy S	13.3	UGC 6636 MCG 3-30-41 CGCG 97-52 IRAS 11377+1802 PGC 36203
NGC 3801	H161-2	Glxy S0?	12	UGC 6635 MCG 3-30-40 CGCG 97-51 PGC 36200
NGC 3800	H103-2	Glxy SAB(rs)b: pec	13.5	UGC 6634 MCG 3-30-39 CGCG 97-49 VV 350 ARP 83 IRAS 11376+1537 KUG 1137+156B PGC 36197
NGC 3799		Glxy SB(s)b: pec	14.7	UGC 6630 MCG 3-30-37 CGCG 97-47 VV 350 ARP 83 KUG 1137+156A PGC 36193
NGC 3798	H340-3	Glxy SB0	13.1	UGC 6632 MCG 4-28-18 CGCG 127-22 IRAS 11376+2458 PGC 36199
NGC 3653	H336-3	Glxy S0?	14.6	MCG 4-27-29 CGCG 126-44 Hickson 51C PGC 34905
NGC 3651	H335-3	Glxy E	14.2	UGC 6388 MCG 4-27-28 CGCG 126-42 Hickson 51A PGC 34898
NGC 3646	H15-3	Glxy Ring	11.8	UGC 6376 MCG 3-29-37 CGCG 96-34 PGC 34836
NGC 3640	H33-2	Glxy E3	11.4	UGC 6368 MCG 1-29-33 CGCG 39-130 PGC 34778
NGC 3630		Glxy S0 sp	12.9	NGC 3645 PGC 34698 UGC 6349 MCG 1-29-31 CGCG 39-124
NGC 3629	H338-2	Glxy SA(s)cd:	12.8	UGC 6352 MCG 5-27-58 CGCG 156-64 PGC 34719
NGC 3628	H8-5	Glxy Sb pec sp	10.3	UGC 6350 MCG 2-29-20 CGCG 67-58 VV 308 ARP 317 IRAS 11176+1351 PGC 34697
NGC 3627		Glxy SAB(s)b	9.7	M 66 MCG -2-3-64 VV 361 ARP 16 PGC 34695
NGC 3626	H52-2	Glxy S0-a	10.9	
NGC 3623		Glxy SAB(rs)a	10.3	M 65 ESO 541-9A ARP 317 PGC 34612
NGC 3618	H334-3	Glxy SABb:	14.4	UGC 6327 MCG 4-27-14 MK 1288 CGCG 126-25 PGC 34575
NGC 3615	H333-3	Glxy E	13.8	UGC 6313 MCG 4-27-12 CGCG 126-21 PGC 34535
NGC 3612		Glxy Sdm:	14.7	UGC 6321 MCG 5-27-51 CGCG 156-56 PGC 34546
NGC 3611	H521-2	Glxy SA(s)a pec	12.8	UGC 6305 MCG 1-29-26 CGCG 39-103 IRAS 11149+449 PGC 34478
NGC 3609		Glxy Sab	14	UGC 6310 MCG 5-27-43 CGCG 156-50 PGC 34511
NGC 3608	H51-2	Glxy E2	10.7	UGC 6299 MCG 3-29-22 CGCG 96-22 PGC 34433
NGC 3607	H50-2	Glxy SA(s)0^:	9.9	UGC 6297 MCG 3-29-20 CGCG 96-21 PGC 34426
NGC 3605	H27-3	Glxy E4-5	12.3	UGC 6295 MCG 3-29-19 CGCG 96-19 PGC 34415
NGC 3599	H49-2	Glxy SA0:	12	UGC 6281 MCG 3-29-15 CGCG 96-15 PGC 34326
NGC 3596	H102-2	Glxy SAB(rs)c	12	UGC 6277 MCG 3-29-13 CGCG 96-13 KARA472 PGC 34298
NGC 3593	H29-1	Glxy SA(s)0/a:	11.9	UGC 6272 MCG 2-29-14 CGCG 67-40 IRAS 11119+1305 PGC 34257
NGC 3547	H42-2	Glxy Sb:	13.2	UGC 6209 MCG 2-29-7 CGCG 67-19 PGC 33866
NGC 3524	H23-3	Glxy S0/a	13.8	UGC 6158 MCG 2-28-50 CGCG 66-112 PGC 33604
NGC 3521	H13-1	Glxy SAB(rs)bc	9.8	UGC 6150 MCG 0-28-30 CGCG 10-74 KARA461 PGC 33550
NGC 3509	H598-3	Glxy SA(s)bc pec	13.5	UGC 6134 MCG 1-28-33 CGCG 38-109 VV 75 ARP 335 IRAS 11018+505 PGC 33446
NGC 3507	H7-4	Glxy SB(s)b	11.7	UGC 6123 MCG 3-28-53 CGCG 95-100 PGC 33390
NGC 3506	H22-3	Glxy Sc:	13.2	UGC 6120 MCG 2-28-47 CGCG 66-105 ARAK273 PGC 33379
NGC 3501		Glxy Scd:	13.6	UGC 6116 MCG 3-28-51 CGCG 95-97 PGC 33343
NGC 3495	H498-3	Glxy Sd:	12.4	UGC 6098 MCG 1-28-27 CGCG 38-88 IRAS 10586+353 KARA455 PGC 33234
NGC 3489	H101-2	Glxy SAB(rs)0+	11.1	UGC 6082 MCG 2-28-39 CGCG 66-84 PGC 33160
NGC 3485	H100-2	Glxy SB(r)b:	12.6	UGC 6077 MCG 3-28-44 CGCG 95-85 PGC 33140
NGC 3455	H82-2	Glxy (R')SAB(rs)b	12.8	UGC 6028 MCG 3-28-31 CGCG 95-62 IRAS 10518+1733 PGC 32767
NGC 3454		Glxy SB(s)c? sp	14.2	UGC 6026 MCG 3-28-30 CGCG 95-60 PGC 32763
NGC 3437	H47-2	Glxy SAB(rs)c:	12.8	UGC 5995 MCG 4-26-16 CGCG 125-13 IRAS 10498+2312 KARA448 PGC 32648
NGC 3433	H20-3	Glxy SA(s)c	12.3	UGC 5981 MCG 2-28-23 CGCG 66-48 PGC 32605
NGC 3412	H27-1	Glxy SB(s)0^	11.5	UGC 5952 MCG 2-28-16 CGCG 66-38 PGC 32508
NGC 3389	H41-2	Glxy SA(s)c	12.4	UGC 5914 MCG 2-28-13 CGCG 66-22 PGC 32306

## Leo - The Lion

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 3384	H18-1	Glxy SB(s)0-:	10.9	UGC 5911 MCG 2-28-12 CGCG 66-21 PGC 32292
NGC 3379	H17-1	Glxy E1	10.2	M 105 ESO 151-10 PGC 32256
NGC 3377	H99-2	Glxy E5-6	11.2	UGC 5899 MCG 2-28-9 CGCG 66-16 PGC 32249
NGC 3373		Glxy SA0:	13	NGC 3773 PGC 36043 UGC 6605 MCG 2-30-5 MK 743 CGCG 68-14 IRAS 11356+1223 KUG 1135+123
NGC 3370	H81-2	Glxy SA(s)c	12.3	UGC 5887 MCG 3-28-8 CGCG 95-19 IRAS 10444+1732 PGC 32207
NGC 3368		Glxy SAB(rs)ab	10.1	M 96 ESO 151-7 PGC 32192
NGC 3367	H78-2	Glxy SB(rs)c	12.1	UGC 5880 MCG 2-28-5 CGCG 66-11 IRAS 10439+1400 PGC 32178
NGC 3351		Glxy SB(r)b	10.5	M 95 UGC 578 MCG 7-3-7 CGCG 536-11 IRAS 535+3933 PGC 32007
NGC 3346	H7-5	Glxy SB(rs)cd	12.4	UGC 5842 MCG 3-28-1 CGCG 94-116 CGCG 95-3 IRAS 10410+1507 KARA436 PGC 31982
NGC 3338	H77-2	Glxy SA(s)c	11.6	UGC 5826 MCG 2-27-41 CGCG 65-87 PGC 31883
NGC 3303	H66-3	Glxy Pec	14.3	UGC 5773 MCG 3-27-66 CGCG 94-96 VV 71 ARP 192 PGC 31508
NGC 3301	H46-2	Glxy SB0-a	11.4	NGC 3760 PGC 31497 UGC 5767 MCG 4-25-35 CGCG 124-45 IRAS 10341+2208
NGC 3300	H55-3	Glxy SAB(r)0^:?	13.1	UGC 5766 MCG 2-27-30 CGCG 65-66 PGC 31472
NGC 3287		Glxy SB(s)d	12.9	UGC 5742 MCG 4-25-32 CGCG 124-38 IRAS 10320+2154 PGC 31311
NGC 3279		Glxy Sd	13.9	IC 622 PGC 31302 UGC 5741 MCG 2-27-27 CGCG 65-59 IRAS 10320+1127
NGC 3274	H358-2	Glxy SABd?	13.2	UGC 5721 MCG 5-25-20 CGCG 154-24 IRAS 10294+2755 PGC 31122
NGC 3251		Glxy SB?	14.3	IC 2579 PGC 30892 UGC 5684 MCG 4-25-23 CGCG 124-29 IRAS 10264+2621
NGC 3239	H10-4	Glxy IB(s)m pec	11.7	UGC 5637 MCG 3-27-25 CGCG 94-38 VV 95 ARP 263 IRAS 10224+1724 PGC 30560
NGC 3230		Glxy S0	13.8	UGC 5624 MCG 2-27-7 CGCG 65-20 PGC 30463
NGC 3227	H29-2	Glxy SAB(s)a pec	10.3	UGC 5620 MCG 3-27-16 CGCG 94-28 VV 209 ARP 94 IRAS 10207+2007 PGC 30445
NGC 3226	H28-2	Glxy E2: pec	11.4	UGC 5617 MCG 3-27-15 CGCG 94-26 VV 209 ARP 94 PGC 30440
NGC 3222		Glxy SB0:	12.8	UGC 5610 MCG 3-27-11 CGCG 94-18 PGC 30377
NGC 3221		Glxy SB(s)cd: sp	13.8	UGC 5601 MCG 4-25-13 CGCG 124-17 IRAS 10195+2149 PGC 30358
NGC 3216	H330-3	Glxy E:	14.4	UGC 5593 MCG 4-25-7 CGCG 124-8 PGC 30312
NGC 3209		Glxy E	13.7	UGC 5584 MCG 4-25-2 CGCG 124-3 PGC 30242
NGC 3204		Glxy SAB(r)b	14.3	UGC 5580 MCG 5-25-1 CGCG 154-3 PGC 30214
NGC 3193	H45-2	Glxy E2	11.8	UGC 5562 MCG 4-24-27 CGCG 123-38 ARP 316 Hickson 44B PGC 30099
NGC 3190	H44-2	Glxy SA(s)a pec sp	12.1	UGC 5559 MCG 4-24-26 CGCG 123-37 VV 307 ARP 316 IRAS 10153+2204 Hickson 44A PGC 30083
NGC 3187		Glxy SB(s)c pec	13.4	UGC 5556 MCG 4-24-25 CGCG 123-36 VV 307 ARP 316 IRAS 10150+2207 Hickson 44D PGC 30068
NGC 3185		Glxy (R)SB(r)a	13	UGC 5554 MCG 4-24-24 CGCG 123-34 IRAS 10148+2156 Hickson 44C PGC 30059
NGC 3177	H25-3	Glxy SA(rs)b	13	UGC 5544 MCG 4-24-23 CGCG 123-32 IRAS 10138+2122 PGC 30010
NGC 3162	H43-2	Glxy SAB(rs)bc	12.2	NGC 3575 PGC 29800 UGC 5510 MCG 4-24-19 CGCG 123-26 IRAS 10107+2259
NGC 3131		Glxy SBb:	13.8	UGC 5471 MCG 3-26-33 CGCG 93-60 IRAS 10058+1828 PGC 29499
NGC 3130		Glxy S0/a	14.4	UGC 5468 MCG 2-26-26 CGCG 64-72 PGC 29475
NGC 3121		Glxy E	14.2	NGC 3119 PGC 29387 UGC 5450 MCG 3-26-27 CGCG 93-46
NGC 3094		Glxy SB(s)a	13.2	UGC 5390 MCG 3-26-15 CGCG 93-23 IRAS 9586+1600 PGC 29009
NGC 4011		Glxy S0	15.7	CGCG 127-121 PGC 37674
NGC 4008	H368-2	Glxy E5	13	UGC 6953 MCG 5-28-61 CGCG 157-66 PGC 37666
NGC 4005		Glxy S?	13.1	NGC 4007 PGC 37661 UGC 6952 MCG 4-28-107 CGCG 127-120
NGC 4004	H354-3	Glxy Pec	14.1	UGC 6950 MCG 5-28-60 MK 432 CGCG 157-65 VV 230 IRAS 11555+2809 KUG 1155+281 PGC 37654
NGC 4003	H345-3	Glxy SB0	13.5	NGC 4007 PGC 37646 UGC 6948 MCG 4-28-105 CGCG 127-115

## Leo - The Lion

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 4002	H344-3	Glxy S0?	15	MCG 4-28-104 CGCG 127-116 PGC 37635
NGC 4000		Glxy S?	15.5	UGC 6949 MCG 4-28-103 CGCG 127-118 IRAS 11554+2524 PGC 37643
NGC 3999		Glxy S0	15.7	CGCG 127-117 PGC 37647
NGC 3997		Glxy SBb pec	13.5	UGC 6942 MCG 4-28-102 CGCG 127-114 IRAS 11552+2532 KUG 1155+255B PGC 37629
NGC 3996		Glxy S?	14.4	UGC 6941 MCG 3-31-4 CGCG 98-11 IRAS 11551+1434 PGC 37628
NGC 3993		Glxy Sb: sp	14.5	UGC 6935 MCG 4-28-101 CGCG 127-112 KUG 1155+255A PGC 37619
NGC 3989		Glxy S?	15.7	MCG 4-28-100 CGCG 127-111 KUG 1154+255 PGC 37599
NGC 3988		Glxy E	14.3	MCG 5-28-57 CGCG 157-61 PGC 37609
NGC 3987		Glxy Sb	12.9	UGC 6928 MCG 4-28-99 CGCG 127-110 IRAS 11547+2528 PGC 37591
NGC 3983	H343-2	Glxy S0/a	15	UGC 6914 MCG 4-28-98 CGCG 127-108 PGC 37514
NGC 3973		Glxy S	15.8	MCG 2-31-1 CGCG 68-93 CGCG 69-5 PGC 37439
NGC 3968	H162-2	Glxy SAB(rs)bc	12.6	UGC 6895 MCG 2-30-45 CGCG 68-92 CGCG 69-4 IRAS 11529+1214 PGC 37429
NGC 3964		Glxy S?	14.9	MCG 5-28-43 CGCG 157-50 PGC 37375
NGC 3954	H381-3	Glxy E?	14.6	UGC 6866 MCG 4-28-91 CGCG 127-98 ARAK331 PGC 37291
NGC 3951	H342-3	Glxy S?	14.3	UGC 6867 MCG 4-28-90 CGCG 127-99 IRAS 11511+2339 PGC 37288
NGC 3947	H403-2	Glxy (R)SB(rs)b	13.9	UGC 6863 MCG 4-28-88 CGCG 127-95 IRAS 11507+2101 PGC 37264
NGC 3946		Glxy S0/a	15.5	MCG 4-28-89 CGCG 127-96 PGC 37268
NGC 3944	H322-3	Glxy S0-:	13.9	UGC 6859 MCG 4-28-85 CGCG 127-91 CGCG 157-48 PGC 37244
NGC 3943		Glxy S?	14.3	MCG 4-28-84 CGCG 127-90 PGC 37237
NGC 3940	H380-3	Glxy E	13.8	UGC 6852 MCG 4-28-82 CGCG 127-89 PGC 37224
NGC 3790	H109-3	Glxy S0/a	14.9	UGC 6624 MCG 3-30-32 CGCG 97-43 PGC 36167
NGC 3787		Glxy S0	14.9	MCG 4-28-15 CGCG 127-17 ARAK306 PGC 36154
NGC 3785		Glxy S0	15.2	UGC 6620 MCG 5-28-7 CGCG 157-8 PGC 36148
NGC 3784		Glxy S?	15.3	MCG 5-28-6 CGCG 157-6 PGC 36147
NGC 3781		Glxy S?	14.7	MCG 5-28-4 CGCG 157-5 PGC 36104
NGC 3773	H81-3	Glxy S0	12.3	
NGC 3772	H352-2	Glxy SBa	14.4	UGC 6598 MCG 4-28-6 CGCG 127-8 PGC 36005
NGC 3768	H29-3	Glxy S0	13.4	UGC 6589 MCG 3-30-24 CGCG 97-30 PGC 35968
NGC 3767		Glxy (R)SB(r)0 <sup>+</sup> ?	14.4	UGC 6590 MCG 3-30-23 CGCG 97-31 IRAS 11346+1708 PGC 35969
NGC 3765		Glxy S?	15	MCG 4-28-1 CGCG 127-3 PGC 35956
NGC 3764		Glxy S?	14.8	MCG 3-30-20 CGCG 97-25 2ZW52 PGC 35930
NGC 3761		Glxy E	15	CGCG 127-1 PGC 35933
NGC 3758		Glxy S?	15.2	MCG 4-27-73 MK 739 CGCG 126-110 IRAS 11338+2152 PGC 35905
NGC 3754		Glxy SBb? pec	15.1	MCG 4-28-11 CGCG 127-12 VV 282 ARP 320 IRAS 11352+2216 Hickson 57D PGC 36018
NGC 3753		Glxy Sab? sp pec	14.5	UGC 6602 MCG 4-28-10 CGCG 127-12 VV 282 ARP 320 Hickson 57A PGC 36016
NGC 3751		Glxy S0- pec?	14.9	UGC 6601 MCG 4-28-9 CGCG 127-11 ARP 320 Hickson 57F PGC 36017
NGC 3750		Glxy SAB0-?	14.9	MCG 4-28-8 CGCG 127-9 VV 282 ARP 320 Hickson 57C PGC 36011
NGC 3748		Glxy SB0 <sup>+</sup> ? sp	15.8	MCG 4-28-7 CGCG 127-7 VV 282 ARP 320 Hickson 57E PGC 36007
NGC 3746		Glxy SB(r)b	15	UGC 6597 MCG 4-28-5 CGCG 127-6 VV 282 ARP 320 Hickson 57B PGC 35997
NGC 3745		Glxy SB(s)0-:	16.2	Copeland's Septet MCG 4-28-4 VV 282 ARP 320 Hickson 57G PGC 36001
NGC 3744		Glxy	15.4	CGCG 126-107 PGC 35857
NGC 3743		Glxy E/S0	15.5	CGCG 126-106 PGC 35855
NGC 3739		Glxy Sbc	15.3	UGC 6564 MCG 4-27-71 CGCG 126-105 PGC 35841
NGC 3731	H80-3	Glxy E	13.9	UGC 6553 MCG 2-30-1 CGCG 68-3 PGC 35731

## Leo - The Lion

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 3728	H351-2	Glxy Sb	13.8	UGC 6536 MCG 4-27-61 CGCG 126-87 PGC 35669
NGC 3720		Glxy SAa:	13.7	UGC 6523 MCG 0-30-6 CGCG 12-10 IRAS 11297+104 PGC 35594
NGC 3719		Glxy SA(rs)bc pec:	13.6	UGC 6521 MCG 0-30-5 CGCG 12-8 PGC 35581
NGC 3716		Glxy (R)SAB0 <sup>^</sup> ?	14.5	UGC 6513 MCG 1-30-1 CGCG 40-1 KARA483 PGC 35545
NGC 3713	H367-2	Glxy S0-:	14.2	UGC 6511 MCG 5-27-84 CGCG 156-94 PGC 35546
NGC 3710	H350-2	Glxy E	14.1	UGC 6504 MCG 4-27-52 CGCG 126-78 PGC 35502
NGC 3705	H13-2	Glxy SAB(r)ab	11.9	UGC 6498 MCG 2-29-39 CGCG 67-93 IRAS 11275+933 PGC 35440
NGC 3697		Glxy SABb	13.8	UGC 6479 MCG 4-27-42 CGCG 126-61 Hickson 53A PGC 35347
NGC 3691	H54-2	Glxy SBb?	12.6	UGC 6464 MCG 3-29-53 CGCG 96-50 ARAK294 IRAS 11255+1711 PGC 35292
NGC 3689	H339-2	Glxy SAB(rs)c	13	UGC 6467 MCG 4-27-37 CGCG 126-57 PGC 35294
NGC 3686	H160-2	Glxy SB(s)bc	11.9	UGC 6460 MCG 3-29-51 CGCG 96-49 IRAS 11251+1729 PGC 35268
NGC 3684		Glxy SA(rs)bc	12	UGC 6453 MCG 3-29-50 CGCG 96-47 IRAS 11245+1718 PGC 35224
NGC 3681	H159-2	Glxy SAB(r)bc	11.9	UGC 6445 MCG 3-29-48 CGCG 96-45 IRAS 11238+1708 PGC 35193
NGC 3666	H20-1	Glxy SA(rs)c:	12.7	UGC 6420 MCG 2-29-25 CGCG 67-71 IRAS 11218+1137 PGC 35043
NGC 3665	H219-1	Glxy SA(s)0 <sup>^</sup>	11.8	UGC 6426 MCG 7-24-3 CGCG 214-4 IRAS 11220+3902 PGC 35064
NGC 3664		Glxy SB(s)m pec	13.2	UGC 6419 MCG 1-29-41 DDO95 CGCG 39-170 VV 251 ARP 5 IRAS 11218+336 PGC 35041
NGC 3659	H53-2	Glxy SB(s)m?	12.8	UGC 6405 MCG 3-29-40 CGCG 96-38 IRAS 11211+1805 PGC 34995
NGC 3655	H5-1	Glxy SA(s)c:	12.3	UGC 6396 MCG 3-29-39 CGCG 96-37 IRAS 11202+1651 KARA477 PGC 34935
NGC 3088B		Glxy Sbc	15.8	UGC 5384 MCG 4-24-11 PGC 28998
NGC 3088	H24-3	Glxy Double System	14.7	UGC 5384 MCG 4-24-10 CGCG 123-13 IRAS 9583+2238 PGC 28997
NGC 3080	H934-3	Glxy Sa	14.3	UGC 5372 MCG 2-26-15 MK 1243 CGCG 64-25 PGC 28910
NGC 3068	H293-3	Glxy S0-: pec	15.1	UGC 5353 MCG 5-24-6 CGCG 153-6 ARP 174 PGC 28815
NGC 3067	H492-2	Glxy SAB(s)ab?	12.8	UGC 5351 MCG 6-22-46 CGCG 182-51 IRAS 9554+3236 ANON 955+32 KUG 955+326 PGC 28805
NGC 3041	H98-2	Glxy SAB(rs)c	12.3	UGC 5303 MCG 3-25-39 CGCG 92-68 IRAS 9503+1654 PGC 28485
NGC 3032		Glxy SAB(r)0 <sup>^</sup>	13.2	UGC 5292 MCG 5-23-46 CGCG 152-77 IRAS 9492+2928 PGC 28424
NGC 2988		Glxy SBbc	15.8	CGCG 122-78 PGC 28078
NGC 3107	H898-2	Glxy Sbc:	14.2	UGC 5425 MCG 2-26-22 CGCG 64-48 ARAK229 KARA397 ANON 1001+13 PGC 29209
NGC 3098		Glxy S0 sp	12.9	UGC 5397 MCG 4-24-12 CGCG 123-14 KARA389 PGC 29067
NGC 2970		Glxy E1:	14.4	MCG 5-23-30 MK 405 CGCG 152-59 KUG 940+322 PGC 27827
NGC 2968	H491-2	Glxy I0	12.8	UGC 5190 MCG 5-23-29 CGCG 152-58 PGC 27800
NGC 2964	H114-1	Glxy SAB(r)bc:	12	UGC 5183 MCG 5-23-27 CGCG 152-56 IRAS 9399+3204 KUG 939+320 PGC 27777
NGC 2948	H519-3	Glxy SBbc	13.7	UGC 5141 MCG 1-25-7 CGCG 35-20 IRAS 9363+710 PGC 27518
NGC 2946		Glxy SB?	14.9	UGC 5143 MCG 3-25-13 CGCG 92-20 IRAS 9362+1715 PGC 27521
NGC 2944		Glxy SB(s)c pec?	14.7	UGC 5144 MCG 6-21-67 CGCG 181-78 VV 82 ARP 63 IRAS 9363+3232 KUG 936+325A PGC 27533
NGC 2943		Glxy E	13.4	UGC 5136 MCG 3-25-11 CGCG 92-19 PGC 27482
NGC 2941		Glxy S	15.2	MCG 3-25-9 CGCG 92-17 PGC 27470
NGC 2994		Glxy S0	14	UGC 5239 MCG 4-23-35 CGCG 122-82 IRAS 9444+2219 PGC 28122
NGC 2991		Glxy S0	13.5	UGC 5233 MCG 4-23-33 CGCG 122-78 PGC 28079
NGC 2940		Glxy S0?	14.5	MCG 2-25-12 CGCG 63-23 PGC 27448
NGC 2939	H4-3	Glxy Sbc	13.3	UGC 5134 MCG 2-25-11 CGCG 63-22 IRAS 9354+945 PGC 27451
NGC 2933		Glxy S?	14.6	
NGC 2931		Glxy Sb	14.9	MCG 4-23-19 CGCG 122-36 PGC 27415
NGC 2930		Glxy S?	15.1	MCG 4-23-18 CGCG 122-35 PGC 27404

## Leo - The Lion

Observed: Yes

<b>Object</b>	<b>Her</b>	<b>Type</b>	<b>Mag</b>	<b>Alias/Notes</b>
NGC 2929		Glxy S?	14.7	UGC 5126 MCG 4-23-17 CGCG 122-34 IRAS 9346+2323 PGC 27398
NGC 2928		Glxy S	15.1	MCG 3-25-5 CGCG 92-11 IRAS 9343+1712 PGC 27380
NGC 2927		Glxy SAB(rs)b	13.7	UGC 5122 MCG 4-23-16 CGCG 122-32 PGC 27385
<b>Sub Total:</b>			<b>584</b>	
<b>Total:</b>			<b>1156</b>	

## Lepus - The Hare

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 2108		Non-Existent		NGC 1710 MCG -3-13-37 PGC 16396
IC 2119		Non-Existent		
IC 408		Non-Existent		
IC 2129		Non-Existent		
IC 2154		Non-Existent		NGC 2139 ESO 488-54 MCG -4-15-5 IRAS 5590-2340 PGC 18258
IC 437		Non-Existent		
IC 2139		Non-Existent		(STAR)
IC 2138		Non-Existent		IC 2137
IC 422		Non-Existent		IC 2131 MCG -3-15-1 IRAS 5301-1715 PGC 17409
IC 415		Non-Existent		
NGC 1794	H268-3	Non-Existent		NGC 1781
IC 400		Non-Existent		
IC 2113		Non-Existent		NGC 1730 MCG -3-13-43 IRAS 4573-1553 PGC 16499

**Sub Total: 13**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 407		Glxy Sc:	14.9	MCG -3-14-13 IRAS 5154-1534 PGC 17056
IC 418		PI Neb 4	10.7	PK 215-24.1 PNG 215.2-24.2
IC 433		Glxy E/S0	14.5	MCG -2-15-8 PGC 17580
IC 416		Glxy SB(s)c pec:	14.7	MCG -3-14-14 IRAS 5217-1718 PGC 17229
IC 411		Glxy S0?	14.1	ESO 486-56 MCG -4-13-11 PGC 17130
IC 438		Glxy SA(rs)c	12.7	ESO 555-9 MCG -3-15-25 UGC A115 IRAS 5508-1753 PGC 18047
IC 441		Glxy SB(rs)c	14.9	MCG -2-16-1 PGC 18315
NGC 1710		Glxy SA0-:	14	IC 2108 PGC 16396 MCG -3-13-37
NGC 1716		Glxy SAB(s)bc pec	13.9	ESO 552-34 MCG -3-13-38 IRAS 4560-2026 PGC 16434
NGC 1739		Glxy SB(s)bc pec:	14.2	ESO 552-50 MCG -3-13-55 PGC 16586
NGC 1738		Glxy SB(s)bc pec:	13.7	ESO 552-49 MCG -3-13-54 IRAS 4595-1813 PGC 16585
NGC 1730		Glxy SB(r)a	13.1	IC 2113 PGC 16499 MCG -3-13-43 IRAS 4573-1553
NGC 1744		Glxy SB(s)d	11.6	ESO 486-5 MCG -4-12-29 IRAS 4579-2605 PGC 16517
NGC 1781		Glxy (R)SB(s)0^ pec	13.7	NGC 1794 PGC 16788 ESO 553-7 MCG -3-14-2 IRAS 5057-1815
NGC 1821		Glxy IB(s)m	14.5	MCG -3-14-7 IRAS 5095-1511 PGC 16898
NGC 1964	H21-4	Glxy SAB(s)b	11.6	ESO 554-10 MCG -4-14-3 IRAS 5312-2158 PGC 17436
NGC 1957		Glxy	14.7	PGC 17427
NGC 1954	H590-3	Glxy SA(rs)bc pec:	12.4	MCG -2-15-3 IRAS 5305-1405 PGC 17422
NGC 1906		Glxy Scd	14.8	MCG -3-14-15 IRAS 5224-1559 PGC 17243
NGC 1904		Globular	7.7	M 79
NGC 1889		Glxy E+ pec:	14.1	MCG -2-14-14 ARP 123 PGC 17196
NGC 1888	H289-2	Glxy SB(s)c pec	12.8	MCG -2-14-13 ARP 123 IRAS 5202-1132 PGC 17195
NGC 1886		Glxy Sbc sp	13.6	ESO 487-2 MCG -4-13-13 IRAS 5197-2351 PGC 17174
NGC 1832	H292-2	Glxy SB(r)bc	12	MCG -3-14-10 IRAS 5098-1544 PGC 16906
NGC 2196	H265-2	Glxy (R')SA(s)a	11.8	ESO 556-4 MCG -4-15-14 UGC A121 IRAS 6100-2147 PGC 18602
NGC 2131		Glxy IB(s)m:	14.6	ESO 488-50 PGC 18172
NGC 2124	H225-3	Glxy SA(s)b?	13.4	ESO 555-16 MCG -3-16-3 IRAS 5557-2005 PGC 18147

## Lepus - The Hare

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 2106		Glxy SB(s)0^	13.1	ESO 555-3 MCG -4-14-40 PGC 17975
NGC 2089	H270-3	Glxy SAB0-:	12.9	ESO 554-36 MCG -3-15-16 IRAS 5456-1738 PGC 17860
NGC 2076	H267-3	Glxy S0+: sp	14	MCG -3-15-12 IRAS 5445-1648 PGC 17804
NGC 2073	H241-3	Glxy SA(rs)0-:	13.4	ESO 554-31 MCG -4-14-24 PGC 17772
NGC 2017		Open Cl		
NGC 1993	H269-3	Glxy SA(rs)0-:	13.4	ESO 554-14 MCG -3-15-3 PGC 17487
NGC 1979	H240-3	Glxy SA0:	12.8	ESO 487-24 MCG -4-14-4 PGC 17452
NGC 2179		Glxy SA(s)0/a	13.2	ESO 555-38 MCG -4-15-11 IRAS 6059-2144 PGC 18453
NGC 2139	H264-2	Glxy SAB(rs)cd	12	IC 2154 PGC 18258 ESO 488-54 MCG -4-15-5 IRAS 5590-2340
NGC 1784		Glxy SB(r)c	12.4	MCG -2-13-42 IRAS 5030-1156 PGC 16716
NGC 1780		Glxy (R')SB(r)0^:	14.7	ESO 553-1 ESO 552-71 MCG -3-13-70 PGC 16743
IC 2104		Glxy (R')SB(s)bc	13.1	MCG -3-13-34 IRAS 4540-1552 PGC 16367
MAC 0511-1505		Glxy	16.5	
IC 2152		Glxy (R)SB(r)a:	13.4	ESO 488-47 MCG -4-15-1 IRAS 5559-2311 PGC 18148
IC 2151		Glxy SB(s)bc:	14.1	ESO 555-8 MCG -3-15-24 IRAS 5504-1747 PGC 18040
IC 2143		Glxy SB(rs)b?	13.4	ESO 554-34 MCG -3-15-13 IRAS 5447-1844 PGC 17810
IC 2137		Glxy SAB(r)ab	13.9	IC 2138 ESO 487-27 MCG -4-14-6 PGC 17463
IC 2132		Glxy Sa pec:	14.5	MCG -2-15-2 IRAS 5301-1357 PGC 17415
IC 2131		Glxy	14.5	IC 422 MCG -3-15-1 IRAS 5301-1715 PGC 17409
IC 2121		Glxy SAB(s)0^: pec	13.8	ESO 486-53 PGC 17110
IC 2130		Glxy SB(s)dm	13.8	ESO 487-19 MCG -4-14-2 PGC 17402
IC 2125		Glxy S0	14.4	ESO 487-8 PGC 17238
PGC 16578		Glxy S?	15.9	Hickson 32B
PGC 16587		Glxy S	16.6	Hickson 32C
PGC 16890		Glxy I	16.3	ESO 553-19
PGC 16894		Glxy SAB(rs)cd	13	MCG -2-14-4 UGC A104 ANON 509-14
PGC 17969		Glxy Sbc: sp	14.4	ESO 555-02 MCG -3-15-20 IRAS 5482-1944
PGC 16891		Glxy	15.7	ESO 553-19A
PGC 16611		Glxy	14.5	MCG -3-13-58
PGC 16584		Glxy S	17.3	Hickson 32D
PGC 16583		Glxy S0?	14.4	MCG -3-13-53 Hickson 32A

**Sub Total: 58****Total: 71**

## Libra - The Balance

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 4455		Non-Existent		MCG -2-37-8 IRAS 14309-1424 PGC 52033
NGC 5729	H508-3	Glxy Sb pec:	13.4	MCG -1-37-12 IRAS 14394-847 PGC 52507
NGC 5726		Glxy S0- pec sp	13.8	ESO 580-12 MCG -3-37-6 PGC 52563
IC 4476		Glxy		
IC 4468		Glxy SB(s)c?	13.8	ESO 580-6 MCG -4-35-1 IRAS 14355-2209 PGC 52324
NGC 5745		Glxy Sa pec sp	13.3	MCG -2-38-4 VV 98 IRAS 14423-1344 PGC 52669
NGC 5743		Glxy Sb:	13.8	ESO 580-17 MCG -3-38-4 IRAS 14423-2042 PGC 52680
NGC 5995		Glxy S(B)c	14.5	MCG -2-40-4 IRAS 15456-1336 PGC 56081
NGC 5978		Glxy Sa	14.5	MCG -2-40-2 PGC 55838
NGC 5973		Glxy S0/a	16.1	PGC 55757
NGC 5959		Glxy E+:	14.5	MCG -3-40-2 PGC 55625
IC 1115		Non-Existent		(STAR)
NGC 5916		Glxy SB(rs)a pec	14.2	MCG -2-39-20 IRAS 15188-1259 PGC 54825
NGC 5916A		Glxy SB(s)c pec	15.1	MCG -2-39-18 PGC 54779
IC 4538		Glxy SAB(s)c:	12.8	ESO 514-10 MCG -4-36-13 UGC A406 IRAS 15182-2328 PGC 54776
NGC 5890		Glxy SA(r)0+?	13.4	MCG -3-39-4 IRAS 15150-1724 PGC 54602
NGC 5891		Glxy Sbc	15	MCG -2-39-15 IRAS 15134-1118 PGC 54491
NGC 5883		Glxy S0	14.8	MCG -2-39-14 PGC 54439
NGC 5880		Glxy E	15.5	MCG -2-39-12 PGC 54427
IC 1059		Glxy C	15.5	CGCG 20-24 PGC 52996
IC 4510		Non-Existent		
NGC 5761		Glxy S0^ pec:	13.4	ESO 580-39 MCG -3-38-18 PGC 52916
IC 4491		Non-Existent		IC 4491 IC 1055 MCG -2-38-11 IRAS 14446-1330 PGC 52811
IC 1055		Glxy Sb	12.8	IC 4491 IC 1055 MCG -2-38-11 IRAS 14446-1330 PGC 52811
IC 4501		Glxy SB(s)dm	14.3	ESO 580-25 MCG -4-35-9 IRAS 14445-2211 PGC 52810
NGC 5744		Glxy (R')SB(rs)d:	14.2	ESO 580-23 MCG -3-38-7 IRAS 14438-1818 PGC 52761
NGC 5741		Glxy E	12.2	MCG -2-38-8 PGC 52718
NGC 5742		Glxy SB(r)0^?	14.5	MCG -2-38-7 IRAS 14428-1135 PGC 52707
NGC 5810		Glxy SB(rs)b:	14	ESO 581-18 MCG -3-38-46 IRAS 14598-1740 PGC 53711
NGC 5816		Glxy		
IC 1084		Glxy S?	15.1	MCG -1-38-17 PGC 53648
NGC 5809		Glxy S0/a: sp	14.5	MCG -2-38-25 IRAS 14581-1358 PGC 53624
NGC 5803		Glxy E/S0	15.9	PGC 53609
NGC 5802		Glxy S0	15.5	PGC 53601
NGC 5815		Glxy Sb	14.5	MCG -3-38-44 IRAS 14576-1638 PGC 53600
NGC 5801		Glxy Sb	15.7	PGC 53596
NGC 5817		Glxy S0	14.2	MCG -3-38-41 PGC 53567
NGC 5793		Glxy Sb: sp	14.3	MCG -3-38-38 IRAS 14566-1629 PGC 53550
IC 1081		Glxy SAB(s)0/a:	14.7	ESO 581-9 MCG -3-38-36 PGC 53525
IC 1080		Glxy S0- pec:	14.5	MCG -1-38-10 PGC 53480
IC 1077		Glxy (R')SB(s)bc pec	13.4	ESO 581-2 MCG -3-38-30 IRAS 14545-1900 PGC 53450
NGC 5781		Glxy (R')SBb pec sp	14.5	MCG -3-38-28 IRAS 14539-1702 PGC 53417
NGC 5766		Glxy SAB(s)bc:	14.2	ESO 580-50 MCG -3-38-24 IRAS 14503-2111 PGC 53186
IC 4513		Non-Existent		
IC 1060		Glxy (R')SB(r)a:	14.5	MCG -1-38-4 IRAS 14491-701 PGC 53075

## Libra - The Balance

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 5892		Glxy SA(s)d	12.3	MCG -2-39-7 ANON 1511-15 PGC 54365
IC 4536		Glxy SB(s)dm	13.7	ESO 581-24 MCG -3-39-2 UGC A401 IRAS 15104-1756 PGC 54324
NGC 5877		Non-Existent		
IC 1104		Non-Existent		(STAR)
NGC 5872		Glxy SAB0^:	14.5	MCG -2-39-5 PGC 54169
NGC 5863		Glxy (R')SAB(rs)a	13.7	ESO 581-22 MCG -3-39-1 PGC 54160
NGC 5858		Glxy E6:	13.8	MCG -2-39-2 PGC 54075
IC 1091		Glxy SB(s)b?	14.5	MCG -2-39-1 IRAS 15055-1057 PGC 54044
NGC 5849		Glxy S0	15	MCG -2-38-35 PGC 53962
NGC 5734		Glxy S0^ pec sp	13.7	ESO 580-16 MCG -3-38-3 IRAS 14423-2039 PGC 52678

**Sub Total: 55**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 51676		Glxy Sc sp	16.1	ESO 511-42
PGC 53456		Glxy SB(s)cd: sp	15.2	ESO 581-04 MCG -3-38-31
PGC 54817		Glxy S0 pec	14	MCG -1-39-3 ARP 254 IRAS 15189-716
PGC 52943		Glxy		ARP 261
PGC 52809		Glxy SB(s)cd: sp	13.5	MCG -3-38-8 UGC A394 IRAS 14445-1714
PGC 52935		Glxy IB(s)m pec	14.5	MCG -2-38-17 VV 140 ARP 261
PGC 52940		Glxy IB(s)m pec	13.4	MCG -2-38-16 DDO197 VV 140 ARP 261 IRAS 14468-957 ANON 1446-9
MAC 1521-0726		Glxy	16.5	
NGC 5595	H121-3	Glxy SAB(rs)c	12.6	MCG -3-37-1 VV 446 VV 530 IRAS 14214-1629 PGC 51445
NGC 5663		Glxy SA0-:	15.3	MCG -3-37-3 PGC 52049
NGC 5716	H671-3	Glxy SB(rs)c?	13.7	MCG -3-37-4 IRAS 14383-1715 PGC 52458
NGC 5756		Glxy (R')SB(s)bc p	12.3	MCG -2-38-12 IRAS 14448-1438 PGC 52825
NGC 5878	H736-3	Glxy SA(s)b	12.4	MCG -2-39-6 UGC A403 IRAS 15109-1405 PGC 54364
NGC 5861	H192-2	Glxy SAB(rs)c	12.3	MCG -2-39-3 IRAS 15065-1107 PGC 54097
NGC 5812	H71-1	Glxy E0	12.2	MCG -1-38-16 UGC A398 PGC 53630
NGC 5796		Glxy E0-1	12.7	MCG -3-38-39 PGC 53549
NGC 5792	H683-2	Glxy SB(rs)b	12.1	UGC 9631 MCG 0-38-12 CGCG 20-38 IRAS 14557-53 PGC 53499
NGC 5791	H691-3	Glxy E6:	12.7	ESO 581-7 MCG -3-38-35 PGC 53516
NGC 5768	H373-3	Glxy SA(rs)c:	13.2	UGC 9564 MCG 0-38-9 CGCG 20-26 IRAS 14495-219 KARA652 PGC 53089
NGC 5757	H690-3	Glxy (R)SB(r)b	12.7	ESO 580-33 MCG -3-38-14 IRAS 14449-1852 PGC 52839
NGC 5728	H184-1	Glxy SAB(r)a:	12.3	MCG -3-37-5 IRAS 14396-1702 PGC 52521
NGC 5917		Glxy Sb pec?	14.5	MCG -1-39-2 ARP 254 IRAS 15188-711 PGC 54809
NGC 5915		Glxy SB(s)ab pec	12.8	MCG -2-39-19 UGC A407 IRAS 15187-1254 PGC 54816
NGC 5903	H139-3	Glxy E2	12.2	ESO 514-4 MCG -4-36-8 UGC A405 PGC 54646
NGC 5898	H138-3	Glxy E0	12.5	ESO 514-2 MCG -4-36-6 UGC A404 PGC 54625
NGC 5897	H19-6	Globular	8.4	
NGC 5885	H116-3	Glxy SAB(r)c	12.3	MCG -2-39-13 IRAS 15123-954 PGC 54429
NGC 5664		Glxy Sa	15	IC 4455 PGC 52033 MCG -2-37-8 IRAS 14309-1424
NGC 5605	H120-3	Glxy (R')SAB(rs)c p:	12.9	MCG -2-37-3 IRAS 14223-1256 PGC 51492
NGC 5597	H122-3	Glxy SAB(s)cd	12.6	MCG -3-37-2 VV 446 IRAS 14216-1632 PGC 51456

## Libra - The Balance

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
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**Sub Total: 30****Total: 85**

## Lupus - The Wolf

Observed: No

Object	Her	Type	Mag	Alias/Notes
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NGC 5530		Glxy SA(rs)bc	11.9	ESO 272-3 MCG -7-29-13 IRAS 14152-4309 PGC 51106
NGC 5593		Open Cl III 2 p		
IC 4441		Glxy SA(s)b pec	14.9	IC 4441 ESO 272-14 MCG -7-30-2 IRAS 14284-4311 PGC 51905
IC 4406		PI Neb 4+3	10.6	ESO 272-6 Henize 2-110 Sanduleak 2-105
IC 4402		Glxy SA(s)b? sp	12	ESO 272-5 IRAS 14179-4604 PGC 51288
IC 4444		Non-Existent		IC 4444 ESO 272-11 MCG -7-30-1 IRAS 14271-4320 PGC 51825
NGC 5643		Glxy SAB(rs)c	10.7	ESO 272-16 MCG -7-30-3 IRAS 14294-4357 PGC 51969
NGC 5986		Globular	7.6	
NGC 5968		Glxy SAB(r)ab	13.1	ESO 450-5 MCG -5-37-1 IRAS 15368-3023 PGC 55738
NGC 5927		Globular	8	
NGC 5834		Non-Existent		
NGC 5824		Globular	9.1	
NGC 5800		Open Cl		
IC 4518		Non-Existent		
NGC 5764		Open Cl III 1 p	12.6	
NGC 5749		Open Cl II 2 m	8.8	
IC 4472		Glxy Sc? sp	13.9	ESO 272-23 MCG -7-30-5 IRAS 14369-4406 PGC 52410
NGC 5688		Glxy SAB(rs)c	12.8	ESO 272-22 MCG -7-30-4 IRAS 14363-4448 PGC 52381
NGC 5670		Glxy SA(rs)0 <sup>^</sup>	13	ESO 272-19 PGC 52161
NGC 5882		PI Neb	10.5	
IC 1108		Non-Existent		
NGC 5822		Open Cl 10.0 II 2 r	6.5	
NGC 5843		Glxy SB(s)b:	13.1	ESO 387-4 MCG -6-33-13 IRAS 15043-3608 PGC 53996
IC 4529		Glxy S	15	ESO 273-19 MCG -7-31-7 IRAS 15031-4302 PGC 53926
IC 4527		Glxy SB(r)bc:	15	ESO 328-15 MCG -7-31-6 IRAS 15023-4215 PGC 53879
IC 4523		Glxy SAB(s)c	12.4	ESO 273-15 MCG -7-31-5 IRAS 15018-4318 PGC 53845
IC 4445		Glxy Sc?	15	ESO 272-15 IRAS 14285-4548 PGC 51917

**Sub Total: 27**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
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NGC 5873		PI Neb 2	13.3	ESO 328-34 Henize 2-121 Sanduleak 2-117
NGC 6026		PI Neb 4	13.2	ESO 389-7 Henize 2-144 Sanduleak 2-131

**Sub Total: 2****Total: 29**

## Lynx - The Lynx

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 2273A		Non-Existent		
IC 457		Non-Existent		NGC 2330
NGC 2334		Non-Existent		
IC 463		Non-Existent		
NGC 2429A		Non-Existent		
NGC 2473		Non-Existent		
NGC 2464		Non-Existent		
IC 2460		Non-Existent		NGC 2827
IC 2459		Non-Existent		
IC 2456		Non-Existent		
NGC 2770A		Non-Existent		
IC 2424		Non-Existent		NGC 2704
IC 2234		Non-Existent		
IC 2232		Non-Existent		NGC 2543
IC 2227		Non-Existent		
IC 2224		Non-Existent		IC 2223
IC 2223		Non-Existent		IC 2224
IC 2221		Non-Existent		
NGC 2471		Non-Existent		
NGC 2465		Non-Existent		
IC 2210		Non-Existent		
NGC 2436		Non-Existent		
IC 470		Non-Existent		(STAR)
IC 462		Non-Existent		STAR

**Sub Total: 24**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
ARP 250		Glxy		ARP 250
IC 464		Glxy E?	14.8	CGCG 234-87 PGC 20334
IC 471		Glxy E	14.3	UGC 3982 MCG 8-14-35 CGCG 235-33 PGC 21659
IC 527		Glxy S?	14.2	UGC 4810 MCG 6-20-39 CGCG 180-49 PGC 25821
IC 472		Glxy SAB(rs)b	14.2	UGC 3985 MCG 8-14-36 CGCG 235-34 PGC 21665
IC 465		Glxy S?	14.6	MCG 8-13-98 CGCG 234-95 PGC 20357
IC 461		Glxy S	15.7	MCG 8-13-88 CGCG 234-83 PGC 20319
IC 458		Glxy S0-:	14.5	UGC 3713 MCG 8-13-85 CGCG 234-81 PGC 20306
IC 459		Glxy C	15.6	CGCG 234-82 PGC 20311
IC 460		Glxy	15.3	
NGC 2273		Glxy SB(r)a:	12.6	UGC 3546 MCG 10-10-15 MK 620 CGCG 285-6 IRAS 6456+6054 PGC 19688
NGC 2315		Glxy S0/a	14.6	UGC 3633 MCG 8-13-45 CGCG 234-41 PGC 20045
NGC 2321		Glxy SBa	14.5	UGC 3663 MCG 8-13-53 CGCG 234-51 PGC 20141
NGC 2326	H734-2	Glxy SB(rs)b	13.9	UGC 3681 MCG 8-13-62 CGCG 234-60 IRAS 7043+5045 PGC 20218
NGC 2746	H825-3	Glxy SB(rs)a	14	UGC 4770 MCG 6-20-23 CGCG 180-32 IRAS 9028+3535 KARA298 PGC 25533
NGC 2724		Glxy SAB(s)c	14.3	UGC 4726 MCG 6-20-19 CGCG 180-27 IRAS 8579+3557 PGC 25331

## Lynx - The Lynx

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 2719A		Glxy Im pec:	14.3	MCG 6-20-18 ARP 202 IRAS 8571+3555 PGC 25284
NGC 2719	H540-3	Glxy Im pec?	13.9	UGC 4718 MCG 6-20-17 CGCG 180-25 ARP 202 PGC 25281
NGC 2712		Glxy SB(r)b:	12.8	UGC 4708 MCG 8-17-3 CGCG 238-1 IRAS 8561+4506 KARA292 PGC 25248
NGC 2704	H625-3	Glxy SB(r)ab	14.3	IC 2424 PGC 25134 UGC 4678 MCG 7-19-5 CGCG 209-9
NGC 2691	H658-2	Glxy Sa?	13.9	UGC 4664 MCG 7-18-64 MK 391 CGCG 209-6 CGCG 208-68 IRAS 8515+3943 KUG 851+397 PGC 25020
NGC 2683	H200-1	Glxy SA(rs)b	10.6	UGC 4641 MCG 6-20-11 CGCG 180-17 PGC 24930
NGC 2668		Glxy Sab	14.7	UGC 4616 MCG 6-20-7 CGCG 180-13 IRAS 8460+3654 PGC 24791
NGC 2860		Glxy SBa	14.6	UGC 5007 MCG 7-20-3 CGCG 209-65 CGCG 210-5 IRAS 9216+4116 PGC 26685
NGC 2853	H630-3	Glxy SB0:	14.3	UGC 4987 MCG 7-19-66 CGCG 209-60 PGC 26580
NGC 2852	H629-3	Glxy SAB(r)a?	14.1	UGC 4986 MCG 7-19-65 CGCG 209-59 PGC 26571
NGC 2844	H628-3	Glxy SA(r)a:	13.8	UGC 4971 MCG 7-19-64 CGCG 209-57 IRAS 9186+4021 PGC 26501
NGC 2840	H827-3	Glxy SB(rs)bc	14.6	UGC 4960 MCG 6-21-25 CGCG 181-32 IRAS 9178+3534 PGC 26445
NGC 2839		Glxy E?	15.2	MCG 6-21-23 CGCG 181-31 PGC 26425
NGC 2838	H627-3	Glxy E/S0	14.6	MCG 7-19-61 CGCG 209-55 PGC 26434
NGC 2834		Glxy E/S0	15.5	MCG 6-21-21 CGCG 181-29 PGC 26400
NGC 2833		Glxy	15.6	CGCG 181-27 PGC 26389
NGC 2832	H113-1	Glxy E+2:	11.9	UGC 4942 MCG 6-21-15 CGCG 181-24 ARP 315 PGC 26377
NGC 2831		Glxy E0	15	UGC 4942 MCG 6-21-13 CGCG 181-24 ARP 315 PGC 26376
NGC 2830		Glxy SB0/a: sp	15.3	UGC 4941 MCG 6-21-14 CGCG 181-23 ARP 315 PGC 26371
NGC 2829		Glxy		PGC 26356
NGC 2828		Glxy	15.7	CGCG 181-21 PGC 26365
NGC 2827		Glxy Sb	15.6	IC 2460 PGC 26342 MCG 6-21-9 CGCG 181-15
NGC 2826		Glxy S0+: sp	14.6	UGC 4939 MCG 6-21-11 CGCG 181-18 PGC 26346
NGC 2825		Glxy Sa: sp	15.3	MCG 6-21-10 CGCG 181-17 PGC 26345
NGC 2823		Glxy SBa	15.5	UGC 4935 MCG 6-21-8 CGCG 181-16 PGC 26340
NGC 2799		Glxy SB(s)m?	14.3	UGC 4909 MCG 7-19-56 CGCG 209-46 VV 50 ARP 283 KUG 914+422B PGC 26238
NGC 2798	H708-2	Glxy SB(s)a pec	13	UGC 4905 MCG 7-19-55 CGCG 209-45 VV 50 ARP 283 IRAS 9141+4212 KUG 914+422A PGC 26232
NGC 2793		Glxy SB(s)m pec	13.6	UGC 4894 MCG 6-21-2 CGCG 181-6 IRAS 9137+3438 PGC 26189
NGC 2785		Glxy Im?	14.7	UGC 4876 MCG 7-19-42 CGCG 209-35 IRAS 9120+4107 PGC 26100
NGC 2782	H167-1	Glxy SAB(rs)a pec	12.3	UGC 4862 MCG 7-19-36 CGCG 209-31 ARP 215 IRAS 9108+4019 KUG 910+403 PGC 26034
NGC 2780	H826-3	Glxy SB?	14.3	UGC 4843 MCG 6-20-47 CGCG 180-57 PGC 25967
NGC 2779		Glxy SBa	15.6	MCG 6-20-44 CGCG 180-55 PGC 25958
NGC 2778	H564-2	Glxy E	13.4	UGC 4840 MCG 6-20-43 CGCG 180-54 PGC 25955
NGC 2776		Glxy SAB(rs)c	12.1	UGC 4838 MCG 8-17-56 CGCG 238-20 IRAS 9089+4509 KARA314 PGC 25946
NGC 2770	H490-2	Glxy SA(s)c:	12.8	UGC 4806 MCG 6-20-38 CGCG 180-47 IRAS 9065+3319 PGC 25806
NGC 2759	H647-3	Glxy S0-:	14	UGC 4795 MCG 6-20-33 CGCG 180-42 PGC 25718
NGC 2755	H626-3	Glxy S?	14.1	UGC 4789 MCG 7-19-34 CGCG 209-30 IRAS 9047+4154 PGC 25670
NGC 2649	H727-2	Glxy SAB(rs)bc:	13.1	UGC 4555 MCG 6-19-18 CGCG 179-22 IRAS 8409+3453 KARA281 KUG 840+348 PGC 24531
NGC 2638		Glxy S0/a	13.8	UGC 4534 MCG 6-19-16 CGCG 179-18 PGC 24453
NGC 2552	H711-3	Glxy SA(s)m?	12.6	UGC 4325 MCG 8-15-62 CGCG 236-42 IRAS 8156+5009 PGC 23340
NGC 2549		Glxy SA(r)0^ sp	12.2	UGC 4313 MCG 10-12-124 CGCG 287-69 PGC 23313
NGC 2543	H719-2	Glxy SB(s)b	12.7	IC 2232 PGC 23028 UGC 4273 MCG 6-18-14 CGCG 178-35 IRAS 8096+3624
NGC 2541	H710-3	Glxy SA(s)cd	12.3	UGC 4284 MCG 8-15-54 CGCG 236-37 PGC 23110

## Lynx - The Lynx

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 2537A		Glxy SB(rs)c	15.3	MCG 8-15-51 PGC 23057
NGC 2537	H55-4	Glxy SB(s)m pec	11.7	Bear Paw Galaxy PGC 23040
NGC 2534	H840-3	Glxy E1? pec	13.7	UGC 4268 MCG 9-14-14 MK 85 CGCG 263-14 PGC 23024
NGC 2532	H726-2	Glxy SAB(rs)c	13	UGC 4256 MCG 6-18-13 CGCG 178-32 IRAS 8070+3406 KARA232 PGC 22922
NGC 2488	H837-3	Glxy S0-:	13.4	UGC 4161 MCG 9-13-109 CGCG 287-29 PGC 22520
NGC 2484		Glxy S0:	14.1	UGC 4125 MCG 6-18-4 CGCG 178-11 ARAK148 PGC 22350
NGC 2476		Glxy E?	13.6	UGC 4106 MCG 7-17-3 CGCG 207-8 PGC 22260
NGC 2475		Glxy E1	14	UGC 4114 MCG 9-13-97 CGCG 262-52 PGC 22322
NGC 2474	H830-3	Glxy E0	14.3	UGC 4114 MCG 9-13-96 CGCG 262-52 PGC 22321
NGC 2419	H218-1	Globular	10.3	
NGC 2415	H821-2	Glxy Im?	12.8	UGC 3930 MCG 6-17-21 CGCG 177-38 ARAK136 IRAS 7336+3521 PGC 21399
NGC 2344		Glxy SA(rs)c:	12.8	UGC 3734 MCG 8-13-103 CGCG 234-100 KARA180 PGC 20395
NGC 2340	H736-2	Glxy E	11.6	UGC 3720 MCG 8-13-96 CGCG 234-91 PGC 20338
NGC 2337		Glxy IBm	12.9	UGC 3711 MCG 7-15-10 CGCG 205-23 IRAS 7066+4432 PGC 20298
NGC 2332	H862-2	Glxy S0:	13.8	UGC 3699 MCG 8-13-79 CGCG 234-75 PGC 20276
NGC 2330		Glxy E	15.7	IC 457 PGC 20272 MCG 8-13-78 CGCG 234-74
NGC 2329	H735-2	Glxy S0-:	12.4	UGC 3695 MCG 8-13-73 CGCG 234-70 PGC 20254
NGC 2326A		Glxy SA(s)m:	15.3	UGC 3687 MCG 8-13-67 CGCG 234-66 PGC 20237
NGC 2472		Glxy Sb	15.4	NGC 2473 PGC 22364 MCG 10-12-39 CGCG 287-19
NGC 2469	H836-3	Glxy Sbc pec:	13.5	UGC 4111 MCG 10-12-35 CGCG 287-17 ARAK147 IRAS 7540+5648 PGC 22327
NGC 2468		Glxy SA0:	14.7	UGC 4110 MCG 9-13-95 CGCG 287-16 PGC 22325
NGC 2463		Glxy	15.1	MCG 10-12-31 CGCG 287-13 ARAK145 PGC 22291
NGC 2462		Glxy	15.2	MCG 10-12-24 PGC 22259
NGC 2461		Glxy E/S0	15.5	STAR UGC 434 PGC 22220
NGC 2458		Glxy		PGC 22191
NGC 2457		Glxy Sbc	15.7	MCG 9-13-87 CGCG 262-46 PGC 22171
NGC 2456		Glxy E	14.1	UGC 4073 MCG 9-13-82 CGCG 262-44 PGC 22129
NGC 2528		Glxy SAB(rs)b	13.4	UGC 4227 MCG 7-17-15 CGCG 207-32 IRAS 8040+3920 KUG 804+393 PGC 22805
NGC 2524		Glxy S0/a	13.6	UGC 4234 MCG 7-17-16 CGCG 207-34 PGC 22838
NGC 2521		Glxy SA0- pec?	13.8	UGC 4235 MCG 10-12-77 CGCG 287-42 7ZW212 VV 632 PGC 22866
NGC 2518		Glxy E-S0	13.6	
NGC 2505	H839-3	Glxy SBa	14.1	UGC 4193 MCG 9-13-115 CGCG 262-66 IRAS 8001+5341 PGC 22644
NGC 2500	H709-3	Glxy SB(rs)d	12.2	UGC 4165 MCG 9-13-110 CGCG 262-62 IRAS 7581+5052 KARA224 PGC 22525
NGC 2497	H838-3	Glxy E?	14.1	UGC 4168 MCG 10-12-61 CGCG 287-32 PGC 22547
NGC 2495		Glxy I?	15.7	MCG 7-17-8 MK 383 CGCG 207-16 KUG 757+399 PGC 22457
NGC 2493	H750-3	Glxy SB0	13	UGC 4150 MCG 7-17-7 CGCG 207-14 PGC 22447
NGC 2446		Glxy Sb	13.7	UGC 4027 MCG 9-13-58 CGCG 262-30 IRAS 7446+5444 PGC 21860
NGC 2445		Glxy Ring B	13.9	UGC 4017 MCG 7-16-17 CGCG 206-24 VV 117 ARP 143 IRAS 7435+3908 PGC 21776
NGC 2444		Glxy Ring A	14.2	UGC 4016 MCG 7-16-16 CGCG 206-24 VV 117 ARP 143 PGC 21774
NGC 2431	H829-3	Glxy (R')SB(s)a:	14.3	NGC 2436 PGC 21711 UGC 3999 MCG 9-13-42 CGCG 262-24
NGC 2429B		Glxy Sbc	17.3	MCG 9-13-40 VV 284 PGC 21663
NGC 2429		Glxy S?	14.6	UGC 3983 MCG 9-13-39 CGCG 262-23 VV 284 PGC 21664
NGC 2426	H822-2	Glxy E	14.1	UGC 3977 MCG 9-13-38 CGCG 262-22 PGC 21648
NGC 2424		Glxy SB(r)b: sp	13.6	UGC 3959 MCG 7-16-9 CGCG 206-15 IRAS 7372+3920 PGC 21558

## Lynx - The Lynx

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 2322	H874-3	Glxy SBa:	14.6	UGC 3662 MCG 8-13-54 CGCG 234-50 PGC 20142
NGC 2320	H861-2	Glxy E	12.9	UGC 3659 MCG 8-13-51 CGCG 234-47 PGC 20136
NGC 2308		Glxy Sab	14.1	UGC 3618 MCG 8-13-37 CGCG 234-37 PGC 19949
NGC 2273B		Glxy SB(rs)cd:	13.1	UGC 3530 MCG 10-10-13 CGCG 285-5 IRAS 6421+6023 PGC 19579
IC 2166		Glxy SAB(s)bc	13.2	UGC 3463 MCG 10-10-1 CGCG 284-14 CGCG 285-1 KARA168 PGC 19064
IC 2222		Glxy	15.3	CGCG 178-24 PGC 22700
IC 2385		Glxy Spiral	15.1	MCG 6-19-10 CGCG 179-13 KUG 831+374 PGC 24103
IC 2233		Glxy SB(s)d: sp	13.1	UGC 4278 MCG 8-15-52 CGCG 236-36 PGC 23071
IC 2225		Glxy S0/a	14.9	MCG 6-18-12 CGCG 178-26 PGC 22708
IC 2214		Glxy SBab	14.5	UGC 4143 MCG 6-18-7 CGCG 178-16 IRAS 7566+3325 PGC 22417
IC 2400		Glxy Spiral	15.1	MCG 6-20-2 CGCG 179-32 CGCG 180-6 KUG 844+382 PGC 24714
MAC 0708+4839B		Glxy	16	
MAC 0708+4839A		Glxy	16.5	
MAC 0708+4836		Glxy	15.5	
MAC 0708+4832		Glxy	16.5	
MAC 0706+5032A		Glxy	17	
MAC 0702+5034		Glxy	15	
MAC 0658+4520		Glxy	17	
JNER 1		PI Neb 4	14	PK 164+31.1 PNG 164.8+31.1
IC 2461		Glxy Sb	14.8	UGC 4943 MCG 6-21-19 CGCG 181-25 IRAS 9168+3724 PGC 26390
MAC 0711+4949		Glxy	15.5	
MAC 0710+5015		Glxy	17	
MAC 0710+5014		Glxy	16	
MAC 0710+5009		Glxy	17	
MAC 0710+4956		Glxy	16	
MAC 0710+4836		Glxy	16.5	
MAC 0709+4844B		Glxy	16.5	
MAC 0709+4844A		Glxy	17.5	
MAC 0709+4843		Glxy	16.5	
MAC 0805+3727		Glxy	16	
MAC 0803+5332		Glxy	16.5	
MAC 0802+5640		Glxy	16	
MAC 0801+5656		Glxy	16	
MAC 0801+5654		Glxy	16.5	
MAC 0801+5649		Glxy	16	
MAC 0758+5621		Glxy	15.5	
MAC 0758+5324		Glxy	17	
MAC 0758+5323		Glxy	16	
MAC 0758+5250		Glxy	16	
MAC 0757+5240		Glxy	16	
MAC 0755+5644A		Glxy	17	
MAC 0748+5439		Glxy	16.5	
MAC 0735+3523		Glxy	16.5	
MAC 0735+3522		Glxy	17	
MAC 0722+5544		Glxy	16.5	

## Lynx - The Lynx

Observed: Yes

<b>Object</b>	<b>Her</b>	<b>Type</b>	<b>Mag</b>	<b>Alias/Notes</b>
MAC 0722+5539		Glxy	16.5	
MAC 0722+5536		Glxy	16	
MAC 0722+5535		Glxy	16.5	
MAC 0721+5557		Glxy	16	
MAC 0720+5550		Glxy	16.5	
MAC 0720+5537		Glxy	16.5	
MAC 0719+5544		Glxy	16	
MAC 0711+5014		Glxy	16	
MAC 0711+5007		Glxy	15.5	
MAC 0709+4836		Glxy	16.5	
MAC 0709+4835		Glxy	16	
MAC 0709+4832		Glxy	16	
MAC 0709+4824		Glxy	16	
MAC 0708+4849		Glxy	16	
MAC 0708+4846		Glxy	16	
MAC 0708+4845		Glxy	15.5	
MAC 0708+4841		Glxy	15.5	
MAC 0921+3329		Glxy	16	
MAC 0921+3325		Glxy	16	
MAC 0920+3921		Glxy	16	
MAC 0920+3918		Glxy	16.5	
MAC 0920+3414		Glxy	16.5	
MAC 0920+3413		Glxy	16.5	
MAC 0920+3406		Glxy	16	
MAC 0920+3346		Glxy	16	
MAC 0920+3340		Glxy	16.5	
MAC 0920+3339A		Glxy	16	
MAC 0920+3338		Glxy	17	
MAC 0920+3330		Glxy	16.5	
MAC 0920+3327		Glxy	17	
MAC 0919+3347		Glxy	15.5	
MAC 0919+3343B		Glxy	16.5	
MAC 0919+3338		Glxy	15	
MAC 0919+3325		Glxy	16.5	
MAC 0919+3323		Glxy	16	
MAC 0918+3408		Glxy	16.5	
MAC 0918+3356		Glxy	16	
MAC 0918+3355		Glxy	16	
MAC 0918+3344B		Glxy	16.5	
MAC 0918+3343		Glxy	16.5	
MAC 0918+3329		Glxy	16.5	
MAC 0918+3326		Glxy	16.5	
MAC 0918+3324		Glxy	14.5	
MAC 0918+3323		Glxy	16	
MAC 0917+3350		Glxy	15.5	

## Lynx - The Lynx

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC	0916+4421	Glxy	16	
MAC	0916+3426	Glxy	16.5	
MAC	0915+4412	Glxy	17	
MAC	0859+3910	Glxy	16	
MAC	0853+3509B	Glxy	15.5	
MAC	0845+4428	Glxy	16.5	
MAC	0833+4115	Glxy	15.5	
MAC	0818+5747	Glxy	16.5	
MAC	0815+5810	Glxy	17.5	
MAC	0815+5805	Glxy	16	
MAC	0815+5803	Glxy	17.5	
MAC	0814+5816	Glxy	16.5	
MAC	0814+5812	Glxy	15	
MAC	0814+5805	Glxy	15.5	
MAC	0814+5804	Glxy	16	
MAC	0814+5752	Glxy	16	
MAC	0813+5808C	Glxy	16	
MAC	0813+5808B	Glxy	14	
MAC	0809+5753	Glxy	16	
MAC	0807+5109	Glxy	16.5	
IC	2434	Glxy SB?	14.4	UGC 4785 MCG 6-20-25 CGCG 180-35 IRAS 9041+3725 PGC 25609
IC	2427	Glxy	15.7	CGCG 180-28 PGC 25330
IC	2405	Glxy Spiral	15	MCG 6-20-6 CGCG 180-11 ARAK181 IRAS 8455+3724 KUG 845+374 PGC 24766
IC	2401	Glxy S0:	14.8	UGC 4600 MCG 6-20-5 CGCG 179-34 CGCG 180-8 PGC 24728
PGC	19926	Glxy SB	15.1	MCG 8-13-34 CGCG 234-33
PGC	20054	Glxy S	14.9	MCG 8-13-46 CGCG 234-42
PGC	20178	Glxy Sb	14.8	MCG 7-15-6 CGCG 205-17
PGC	20728	Glxy E		MCG 9-12-59
PGC	20721	Glxy	15.7	
PGC	20714	Glxy D	15.5	CGCG 261-53
PGC	20712	Glxy		
PGC	20710	Glxy		
PGC	20704	Glxy SB	15.2	MCG 9-12-55 CGCG 261-50
PGC	20364	Glxy S0-:	14	UGC 3725 MCG 8-13-101 CGCG 234-97
PGC	20336	Glxy D	15.5	MCG 8-13-95 CGCG 234-92
PGC	20330	Glxy	15.4	CGCG 234-89
PGC	20753	Glxy		
PGC	20752	Glxy		
PGC	20747	Glxy		
PGC	20745	Glxy	17.3	
PGC	20740	Glxy		
PGC	20739	Glxy		
PGC	20737	Glxy		
PGC	20735	Glxy		
PGC	20732	Glxy		

## Lynx - The Lynx

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 20777		Glxy	16.9	
PGC 20770		Glxy		
PGC 20769		Glxy		
PGC 20768		Glxy		
PGC 20767		Glxy		
PGC 20762		Glxy		
PGC 20761		Glxy		
PGC 20760		Glxy		
PGC 20759		Glxy		
PGC 20823		Glxy	15.2	CGCG 261-59
PGC 20819		Glxy		
PGC 20816		Glxy		
PGC 20812		Glxy		
PGC 20804		Glxy	17.5	
PGC 20802		Glxy	17.3	
PGC 20800		Glxy		
PGC 20797		Glxy	15.2	CGCG 261-57
PGC 20796		Glxy		
PGC 22172		Glxy S	16.8	MCG 9-13-89
PGC 22161		Glxy D	15.8	MCG 9-13-86 CGCG 262-47
PGC 21970		Glxy Sd	14.8	UGC 4043 MCG 9-13-72 CGCG 262-37 IRAS 7468+5429
PGC 21729		Glxy S	16.1	MCG 9-13-46
PGC 21719		Glxy		MCG 9-13-44
PGC 21650		Glxy	15.8	MCG 9-13-37
PGC 21635		Glxy S	15.6	MCG 9-13-36 CGCG 262-20
PGC 21475		Glxy Scd:	14.6	UGC 3944 MCG 6-17-24 CGCG 177-41 IRAS 7352+3744 KARA199
PGC 21425		Glxy SB?	14.1	UGC 3937 MCG 6-17-23 CGCG 177-40 IRAS 7343+3543 KUG 734+357
PGC 22709		Glxy S0/a	15.5	MCG 6-18-11 CGCG 178-25 ARAK152
PGC 22574		Glxy L	15.4	MCG 9-13-112
PGC 22567		Glxy L	15.4	MCG 9-13-111
PGC 22557		Glxy	15.6	MCG 10-12-63 CGCG 287-34
PGC 22550		Glxy S	16.4	MCG 10-12-64 KUG 758+570A
PGC 22544		Glxy	14.6	MCG 10-12-60 CGCG 287-31
PGC 22536		Glxy E		MCG 10-12-59 CGCG 287-31
PGC 22533		Glxy S0/a	15.1	UGC 4164 MCG 10-12-58 CGCG 287-30
PGC 22512		Glxy E		MCG 10-12-57 CGCG 287-27
PGC 23092		Glxy L	14.5	MCG 8-15-53
PGC 23083		Glxy	17	SBS810+583A
PGC 23069		Glxy Scd:	14.9	UGC 4277 MCG 9-14-19 CGCG 263-18 KARA237
PGC 23068		Glxy	16.5	MCG 10-12-97 SBS809+582
PGC 23063		Glxy L	15.3	MCG 10-12-96 CGCG 287-55
PGC 23047		Glxy SAB(rs)bc	14.5	UGC 4270 MCG 10-12-95 CGCG 287-54
PGC 23041		Glxy S	15.7	MCG 10-12-93 CGCG 287-53
PGC 23032		Glxy L	15.6	MCG 10-12-92
PGC 23022		Glxy S0?	15.3	MCG 10-12-91 CGCG 287-52 IRAS 8088+5804 SBS808+580

## Lynx - The Lynx

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PUWE 1		PI Neb 3	11.2	PK 158+17.1
PGC 26427		Glxy S?		MCG 6-21-24
PGC 26366		Glxy S?	15.4	MCG 6-21-12 CGCG 181-22
PGC 26299		Glxy S	15.6	MCG 6-21-6 CGCG 181-11
PGC 26290		Glxy S	15.5	MCG 6-21-4 CGCG 181-9
PGC 26285		Glxy S	15.5	MCG 6-21-5 CGCG 181-8
PGC 26231		Glxy SB	14.9	UGC 4904 MCG 7-19-54 CGCG 209-44
PGC 26132		Glxy Double System	14.9	UGC 4881 MCG 8-17-65 CGCG 238-25 VV 155 ARP 55 IRAS 9126+4432
PGC 26124		Glxy C	15.4	CGCG 209-36 ARP 55
PGC 26068		Glxy SAB(s)d	14.7	UGC 4867 MCG 7-19-39 CGCG 209-33
PGC 25831		Glxy	15.1	CGCG 180-50
PGC 25786		Glxy	15.7	CGCG 180-45
PGC 25769		Glxy	15.2	MCG 6-20-36
PGC 25760		Glxy S	16.1	MCG 6-20-35
PGC 25734		Glxy SB	15.2	UGC 4799 MCG 6-20-34 CGCG 180-44 VV 849
PGC 25692		Glxy S	15.6	MCG 6-20-29 CGCG 180-39
PGC 25342		Glxy C	15.6	CGCG 180-29
PGC 25232		Glxy Sdm:	15	UGC 4704 MCG 7-19-11 CGCG 209-15 KUG 855+394
PGC 25173		Glxy S	14.6	UGC 4689 MCG 7-19-6 KUG 854+396
PGC 24981		Glxy SB(s)b	14.5	UGC 4653 MCG 6-20-12 CGCG 180-18 VV 243 ARP 195 IRAS 8507+3520
PGC 24964		Glxy Sab	14.3	UGC 4650 MCG 7-18-61 CGCG 208-65 CGCG 209-3 IRAS 8503+3919
PGC 24718		Glxy Sbc	15.6	MCG 6-20-4 CGCG 179-33 CGCG 180-7
PGC 24620		Glxy S?	14.1	UGC 4572 MCG 6-19-21 MK 626 CGCG 179-26 ARAK176 IRAS 8424+3706 ANON 842+37 KUG 842+371
PGC 24601		Glxy S?	16.1	MCG 8-16-28 Hickson 35A
PGC 24600		Glxy E	18.4	Hickson 35F
PGC 24599		Glxy S	17.4	Hickson 35D
PGC 24598		Glxy L	17.5	Hickson 35E
PGC 24597		Glxy S0?	15.5	Hickson 35B
PGC 24596		Glxy S0?	16	Hickson 35C
PGC 24587		Glxy S R	15.6	MCG 8-16-27
PGC 24586		Glxy L		MCG 8-16-26
PGC 24325		Glxy Compact	14.6	UGC 4513 MCG 7-18-33 CGCG 208-34
PGC 24254		Glxy L	15.5	MCG 7-18-31 CGCG 208-32 IRAS 8346+4004
PGC 24230		Glxy SBa	14.7	UGC 4498 MCG 7-18-30 CGCG 208-29
PGC 24041		Glxy Sb	15.8	MCG 7-18-24 CGCG 208-20
PGC 24017		Glxy S	15.6	UGC 4471 MCG 7-18-22 CGCG 208-18
PGC 24002		Glxy S0	14.4	UGC 4468 MCG 7-18-20 CGCG 208-17
PGC 23993		Glxy Sa	14.8	UGC 4465 MCG 7-18-19 CGCG 208-16 IRAS 8300+4125
PGC 23989		Glxy S	14.6	MCG 7-18-18A CGCG 208-15
PGC 23341		Glxy S?	14.9	MCG 6-19-1 CGCG 178-39 CGCG 179-1 ARAK157
PGC 23276		Glxy		
PGC 23267		Glxy Sc	15.3	MCG 10-12-120 CGCG 287-67
PGC 23180		Glxy C	15.4	MCG 10-12-114 CGCG 287-64
PGC 23179		Glxy E		MCG 10-12-113
PGC 23160		Glxy E	13.1	UGC 4289 MCG 10-12-111 CGCG 287-63 ANON 811+58

## Lynx - The Lynx

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 23159		Glxy S	15.2	MCG 10-12-108 CGCG 287-61
PGC 23150		Glxy E	14.7	MCG 10-12-107 CGCG 287-60
PGC 23126		Glxy E	15.6	MCG 10-12-103
PGC 23121		Glxy C	16.7	MCG 10-12-102 7ZW221
PGC 23119		Glxy SB?	15.2	MCG 10-12-100 CGCG 287-56 SBS810+581
PGC 23115		Glxy C	14.4	UGC 4280A CGCG 287-57 7ZW220
PGC 23114		Glxy		UGC 4280A CGCG 287-57
PGC 23111		Glxy Sab	15.2	UGC 4281 MCG 10-12-101 CGCG 287-58
PGC 22914		Glxy S?	15.1	MCG 10-12-82 CGCG 287-47 SBS806+579A
PGC 22906		Glxy E	14.9	MCG 10-12-81 CGCG 287-46
PGC 22891		Glxy E/S0	15.1	MCG 10-12-79 CGCG 287-44 7ZW215
PGC 22890		Glxy Sab	14.9	UGC 4241 MCG 10-12-80 CGCG 287-45
PGC 22885		Glxy Sb	16.4	MCG 10-12-78
PGC 22787		Glxy E/S0	14.8	CGCG 178-28
PGC 22766		Glxy SA(rs)b	14.8	UGC 4219 MCG 7-17-13 CGCG 207-30
PGC 22713		Glxy C	15.7	MCG 6-18-10 CGCG 178-27
PGC 22463		Glxy	15.6	CGCG 207-17
PGC 22446		Glxy Sd:	15.2	UGC 4148 MCG 7-17-6 CGCG 207-13 KUG 756+423
PGC 22406		Glxy SBbc	15.3	MCG 7-17-5 CGCG 207-12
PGC 22376		Glxy S0	15.2	UGC 4124 MCG 10-12-41 CGCG 287-21 SBS754+592
PGC 22373		Glxy E	14.3	UGC 4122 MCG 10-12-40 CGCG 287-20
PGC 22344		Glxy	15.9	MCG 9-13-98
PGC 22309		Glxy C	15.3	MCG 9-13-94 CGCG 262-51
PGC 22175		Glxy S pec	14.2	UGC 4079 MCG 9-13-90 MK 84 CGCG 262-49 IRAS 7511+5550 ANON 751+55
PGC 21419		Glxy Dwarf Spiral	14.8	UGC 3934
PGC 21362		Glxy		ARP 250
PGC 20890		Glxy S	16.8	MCG 9-12-66
PGC 20872		Glxy		
PGC 20871		Glxy		
PGC 20850		Glxy		
PGC 20829		Glxy	15.9	CGCG 261-61
PGC 20824		Glxy		
PGC 20795		Glxy		
PGC 20790		Glxy		
PGC 20789		Glxy		
PGC 20787		Glxy		
PGC 20785		Glxy		
PGC 20783		Glxy		
PGC 20781		Glxy		
PGC 20778		Glxy		
PGC 20327		Glxy C	15.3	MCG 8-13-90 CGCG 234-86
PGC 20308		Glxy L	14.5	MCG 8-13-86 CGCG 234-80
PGC 20283		Glxy S0?	14.9	MCG 8-13-82 CGCG 234-78
PGC 20268		Glxy E?	13.8	UGC 3696 MCG 8-13-77 CGCG 234-73
PGC 20246		Glxy Sc	15.6	MCG 8-13-72 CGCG 234-69

## Lynx - The Lynx

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 20243		Glxy	15.2	MCG 8-13-71 CGCG 234-68
PGC 20209		Glxy S?	13.5	MCG 8-13-61 CGCG 234-59
PGC 20190		Glxy S?	15.2	UGC 3679 MCG 7-15-7 CGCG 205-18 IRAS 7038+4452
PGC 20172		Glxy Sc/SBc	15.4	UGC 3673 MCG 7-15-5 CGCG 205-16
PGC 19958		Glxy E/S0	14.8	MCG 8-13-39 CGCG 234-39 IRAS 6555+4529
PGC 19941		Glxy SBab	14.4	UGC 3614 MCG 8-13-36 CGCG 234-36
PGC 19956		Glxy S	15.5	MCG 8-13-38 CGCG 234-38

**Sub Total: 380****Total: 404**

## Lyra - The Harp

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 6666		Non-Existent		
NGC 6731		Non-Existent		
NGC 6767		Non-Existent		
NGC 6766		Non-Existent		
IC 1294		Non-Existent		
NGC 6693		Non-Existent		

**Sub Total: 6**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 1288		Glxy SBa	14.3	UGC 11256 MCG 7-38-7 CGCG 228-9 IRAS 18276+3940 PGC 61941
IC 1296		Glxy SBbc	14.8	UGC 11374 MCG 6-41-22 CGCG 201-40 PGC 62532
IC 1289		Glxy S	15.4	MCG 7-38-9 CGCG 228-11 PGC 61958
NGC 6686		Glxy C	15.2	MCG 7-38-17 CGCG 228-22 PGC 62224
NGC 6692		Glxy E/S0	14.2	UGC 11330 MCG 6-41-18 CGCG 201-33 KAZ491 PGC 62268
NGC 6703		Glxy SA0-	12.3	UGC 11356 MCG 8-34-20 CGCG 255-14 PGC 62409
NGC 6702		Glxy E:	13.2	UGC 11354 MCG 8-34-19 CGCG 255-13 PGC 62395
NGC 6792		Glxy SBb	12.9	UGC 11429 MCG 7-40-2 CGCG 230-5 IRAS 19193+4302 PGC 63096
NGC 6791		Open Cl 15.0 I 2 r	9.5	
NGC 6779		Globular	8.4	M 56
NGC 6765		PI Neb 5	13.1	Minkowski 1-68 PK 62+9.1 PNG 62.4+9.5
NGC 6745		Glxy Sm	13.3	UGC 11391 CGCG 229-13 PGC 62691
NGC 6743		Open Cl 8.2 cluster?		
NGC 6740		Glxy S	15	UGC 11388 MCG 5-45-1 IRAS 18587+2841 PGC 62675
NGC 6720		PI Neb 4+3	9.7	M 57 Ring Nebula PK 63+13.1 PNG 63.1+13.9
PGC 62509		Glxy S?	14.3	UGC 11371 MCG 4-44-23 CGCG 143-31 IRAS 18499+2625
PGC 62506		Glxy Sdm:	14.6	UGC 11370 MCG 4-44-22 CGCG 143-30
PGC 62500		Glxy S0/a	14.3	UGC 11368 MCG 4-44-20 CGCG 143-28
PGC 62432		Glxy Sdm:	15.9	UGC 11357 MCG 8-34-24
PGC 62403		Glxy S	16.5	MCG 8-34-21
PGC 62251		Glxy S	15.1	UGC 11327 MCG 6-41-16 CGCG 201-29
PGC 62245		Glxy Sb	14.4	UGC 11325 MCG 6-41-14 CGCG 201-28 IRAS 18389+3607
PGC 62237		Glxy Sb-c	15.1	UGC 11322 MCG 6-41-13 CGCG 201-26
PGC 62080		Glxy SB	15.1	MCG 5-44-5 CGCG 173-13
PGC 62062		Glxy	15.4	CGCG 173-9
PGC 62058		Glxy	15.6	CGCG 173-8
PGC 62037		Glxy Scd:	16.5	UGC 11275
PGC 61919		Glxy S	16.5	UGC 11249
PGC 61650		Glxy Multiple System	16	UGC 11181 MCG 7-37-27
PGC 61649		Glxy L R	14.5	UGC 11181 MCG 7-37-28
NGC 6713		Glxy Pec	14.4	UGC 11365 CGCG 201-38 IRAS 18489+3353 KAZ497 PGC 62487
NGC 6710		Glxy SA0+?	14.1	UGC 11364 MCG 4-44-19 CGCG 143-27 PGC 62482
NGC 6700		Glxy SB(rs)c	13.8	UGC 11351 MCG 5-44-10 CGCG 173-26 IRAS 18441+3213 PGC 62376
NGC 6695		Glxy SBb	14.3	UGC 11340 MCG 7-38-18 CGCG 228-23 IRAS 18410+4018 KARA858 PGC 62296

## Lyra - The Harp

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 6688		Glxy SA0+	13.6	UGC 11324 MCG 6-41-15 CGCG 201-27 PGC 62242
IC 4772		Glxy C	15.2	UGC 11317 MCG 7-38-15 CGCG 228-21 PGC 62220
MAC 1834+3157		Glxy	16	
MAC 1839+4001		Glxy	17	
MAC 1851+2629		Glxy	16	
MAC 1854+3320		Glxy	16.5	
MAC 1854+3259		Glxy	17	
MAC 1840+4006		Glxy	16.1	
MAC 1837+4001		Glxy	16	
MAC 1828+3413		Glxy	16.5	
MAC 1815+4318		Glxy	15	
MAC 1828+3406		Glxy	16	
NGC 6606		Glxy S	14.4	UGC 11174 MCG 7-37-25 CGCG 227-21 PGC 61633
NGC 6646	H907-2	Glxy Sa	13.5	UGC 11258 MCG 7-38-8 CGCG 228-10 PGC 61944
NGC 6662		Glxy SBab?	14.6	UGC 11280 MCG 5-44-3 CGCG 173-7 IRAS 18323+3201 PGC 62059
NGC 6665		Glxy Sc	14.6	MCG 5-44-4 CGCG 173-10 PGC 62065
NGC 6685		Glxy S0-:	14.4	MCG 7-38-14 CGCG 228-20 PGC 62217
NGC 6675		Glxy Sbc	13.3	UGC 11305 MCG 7-38-13 CGCG 228-19 IRAS 18357+4000 PGC 62149
NGC 6672		Glxy	14.9	CGCG 228-15 PGC 62044
NGC 6671		Glxy S	13.7	UGC 11299 MCG 4-44-6 CGCG 143-6 IRAS 18354+2622 PGC 62148
NGC 6663		Glxy SAB(r)cd:	14.6	UGC 11276 MCG 7-38-11 CGCG 228-14 IRAS 18319+4000 PGC 62032
NGC 6657		Glxy SB	14.4	UGC 11271 MCG 6-41-3 CGCG 201-8 IRAS 18312+3401 PGC 62019
NGC 6640		Glxy Scd:	14.2	UGC 11247 MCG 6-40-18 CGCG 200-21 IRAS 18263+3416 PGC 61913
NGC 6612		Glxy C	15.5	MCG 6-40-11 CGCG 200-14 1ZW204 PGC 61665

**Sub Total: 58****Total: 64**

## Mensa - Table Mountain

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 2051		Glxy SB(r)bc:	12.3	ESO 4-7 IRAS 3583-8358 PGC 13999
IC 2103		Glxy Sc: sp	14.6	ESO 32-18 PGC 15758
NGC 1841		Globular	14.1	
NGC 1702		Open Cl		
NGC 1789		Open Cl		
NGC 1775		Open Cl p	12.6	
NGC 1766		Open Cl p	12.2	
NGC 1777		Open Cl 16.2		
NGC 1754		Globular	12	
NGC 1751		Open Cl		
NGC 1711		Open Cl 13.5	10	
NGC 1673		Open Cl		
NGC 1890		Open Cl		
NGC 1878		Open Cl II		
NGC 1861		Open Cl II		
NGC 1848		Open Cl OCL		
NGC 1845		Open Cl associati		
NGC 1840		Open Cl OCL		
NGC 1837		Open Cl		
NGC 1833		Open Cl		
NGC 1823		Open Cl IIp		
NGC 2046		Open Cl	12.6	
NGC 2038		Open Cl	11.9	
NGC 2036		Open Cl	12.8	
NGC 2028		Open Cl	12.9	
NGC 2031		Open Cl II r	10.8	
IC 2140		Globular		
IC 2142		Glxy S	15.5	ESO 16-7 PGC 17430
NGC 2025		Open Cl II	10.9	
NGC 2019		Globular	10.9	
NGC 2016		Open Cl m		
NGC 2018		Open Cl OCL+E		
NGC 2010		Open Cl		
NGC 1986		Open Cl I r	11	
NGC 2000		Open Cl II	11.9	
NGC 1987		Open Cl		
NGC 1959		Open Cl	12.2	
NGC 1950		Open Cl	13.2	
IC 2134		Globular		
NGC 2012		Glxy SA0-:	14	ESO 16-5 PGC 17194
NGC 1943		Nebula EN+OC		
NGC 1944		Open Cl		
NGC 1939		Open Cl	12.9	
NGC 1938		Open Cl	11.8	
NGC 1956		Glxy SA(s)a	14	ESO 16-2 PGC 17102

## Mensa - Table Mountain

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 1914		Open Cl		
NGC 2066		Open Cl	13.1	
NGC 2065		Open Cl 16.0 I r	11	
NGC 2059		Open Cl	12.9	
NGC 2057		Open Cl	12.2	
NGC 2058		Open Cl 16.0 I r	12	
NGC 2056		Open Cl	12.3	
NGC 2043		Open Cl		
NGC 2051		Open Cl		
NGC 2047		Open Cl	13.2	
NGC 2213		Open Cl		
NGC 2209		Open Cl		
IC 2164		Glxy (R')SA(rs)ab:	14.5	ESO 34-5 FAIR248 IRAS 6085-7521 PGC 18424
NGC 2199		Glxy (R')SA(r)a:	13.7	ESO 34-3 FAIR247 IRAS 6060-7323 PGC 18379
NGC 2203		Open Cl 19.0		
NGC 2190		Open Cl		
NGC 2171		Non-Existent		PGC 18164
NGC 2173		Open Cl		
IC 2161		Globular		
NGC 2161		Open Cl	13	
IC 2160		Glxy (R')SB(s)c pec:	13.9	ESO 33-32 IRAS 5576-7655 PGC 18092
NGC 2145		Open Cl		
NGC 2134		Open Cl 16.2 I r	11	
NGC 2133		Open Cl		
NGC 2122		Open Cl		
NGC 2121		Open Cl		
NGC 2111		Open Cl		
NGC 2107		Open Cl II r	11	
NGC 2103		Nebula E		
NGC 2144		Glxy (R')SA(rs)a:	13.9	ESO 16-10 IRAS 5464-8208 PGC 17592
IC 2148		Globular		
NGC 2072		Open Cl	13.2	
NGC 2075		Open Cl		
IC 2146		Globular		
NGC 1813		Open Cl OCL		
NGC 1815		Open Cl II		
NGC 1791		Open Cl		
NGC 1651		Open Cl		
NGC 1520		Non-Existent		
IC 2054		Glxy S	16.4	ESO 15-7 PGC 14497
IC 2089		Glxy SAB(r)m	15.1	ESO 32-15 PGC 15487

**Sub Total: 86****Total: 86**

# Microscopium - The Microscope

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 5011		Glxy SB(s)0^: pec	12.7	ESO 400-30 MCG -6-45-3 PGC 64773
IC 5105B		Glxy SB(rs)ab:	13.7	ESO 342-46 MCG -7-44-8 IRAS 21228-4103 PGC 66740
NGC 7060		Glxy (R')SAB(r)a	13.7	ESO 287-22 MCG -7-44-6 IRAS 21226-4237 PGC 66732
IC 5105A		Glxy SB(rs)c	13.5	ESO 342-43 MCG -7-44-5 IRAS 21223-4029 PGC 66723
NGC 7057		Glxy SA0-?	12.6	ESO 287-17 MCG -7-44-4 PGC 66708
IC 5105		Glxy E+	12.6	ESO 342-39 MCG -7-44-1 PGC 66694
IC 5086		Glxy SA0-	13.8	ESO 464-25 MCG -5-50-2 PGC 66179
NGC 7012		Glxy E+4 pec	13.6	ESO 286-51 PGC 66116
NGC 6999		Glxy SA(s)0^	15	ESO 464-15 PGC 65940
NGC 6998		Glxy E0	15.2	ESO 464-14 ANON 2058-28 PGC 65925
NGC 6983		Glxy Sab pec?	14.2	ESO 286-14 MCG -7-43-4 IRAS 20533-4410 PGC 65759
IC 5065		Glxy SB0: pec	14.6	ESO 463-30 MCG -5-49-4 PGC 65580
IC 5056		Glxy	15.2	ESO 341-16 IRAS 20459-3924 PGC 65452
NGC 6958		Glxy E+	12.3	ESO 341-15 MCG -6-45-17 IRAS 20455-3810 PGC 65436
IC 5049		Glxy E pec	14.6	ESO 341-14A MCG -6-45-15 PGC 65378
IC 5041		Non-Existent		IC 5041
IC 5047		Non-Existent		IC 5030 IC 5041 ESO 463-21 MCG -5-49-2 IRAS 20405-2953 PGC 65258
IC 5046		Non-Existent		IC 5029 IC 5039 ESO 463-20 MCG -5-49-1 IRAS 20401-3002 PGC 65249
IC 5039		Non-Existent		
NGC 6947		Glxy (R')SB(rs)b	14.2	ESO 401-3 MCG -5-48-28 PGC 65193
IC 5030		Glxy		IC 5041
IC 5029		Non-Existent		
IC 5020		Glxy SA(s)bc	13.1	ESO 400-34 MCG -6-45-6 IRAS 20274-3339 PGC 64845
IC 5019		Non-Existent		ESO 400-35 PGC 64850
NGC 6919		Glxy SAB(s)c:	13.6	ESO 285-27 MCG -7-42-11 IRAS 20282-4423 PGC 64883
NGC 6925		Glxy SA(s)bc	12.1	ESO 463-4 MCG -5-48-22 IRAS 20312-3209 PGC 64980
NGC 6923		Glxy SB(rs)b:	12.7	ESO 462-29 MCG -5-48-17 IRAS 20285-3100 PGC 64884
IC 5015		Non-Existent		
IC 5013		Glxy E	14	ESO 400-29 MCG -6-45-4 PGC 64772

**Sub Total: 29****Total: 29**

# Monoceros - The Unicorn

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 2142		Non-Existent		
IC 487		Non-Existent		NGC 2494 UGC 4141 MCG 0-21-1 CGCG 3-2 IRAS 7565-30 PGC 22377
NGC 2400		Non-Existent		Tripple Star
NGC 2399		Non-Existent		Tripple Star
NGC 2349	H27-7	Non-Existent		
NGC 2319	H1-8	Non-Existent		
NGC 2317		Non-Existent		
NGC 2312		Non-Existent		
IC 447		Non-Existent		IC 2169
IC 2167		Non-Existent		
NGC 2270	H36-7	Non-Existent		
NGC 2299		Non-Existent		
IC 2172		Non-Existent		NGC 2282
NGC 2238		Non-Existent		NGC 2237
NGC 2167	H44-4	Non-Existent		

**Sub Total: 15**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
CR 95		Open Cl III2pn		
CR 115		Open Cl IV2m	9.2	
IC 448		Nebula R		
IC 466		Nebula E+R		
IC 446		Nebula bipolar	12	IC 2167
NGC 2149		Nebula R		
NGC 2170	H19-4	Nebula R		
NGC 2183		Nebula R		
NGC 2215	H20-7	Open Cl 11.0 II 2 m	8.4	
NGC 2506	H37-6	Open Cl 11.0 I 2 r	7.6	
NGC 2494		Glxy (R')SB(rs)0/a	14.1	IC 487 PGC 22377 UGC 4141 MCG 0-21-1 CGCG 3-2 IRAS 7565-30
NGC 2377		Glxy SA(s)c:	13.5	UGC A132 IRAS 7225-933 PGC 20948
NGC 2368		Open Cl IV 1 p	11.8	
NGC 2364		Open Cl cluster?		
NGC 2353	H34-8	Open Cl 9.0 III 3 p	7.1	
NGC 2346	H65-4	PI Neb 3b+4	11.8	Minkowski 1-10 Sanduleak 2-5 PK 215+3.1
NGC 2343	H33-8	Open Cl 8.0 II 2 p n	6.7	
NGC 2338		Open Cl asterism?		
NGC 2335	H32-8	Open Cl 10.0 III 2 m n	7.2	
NGC 2324	H38-7	Open Cl 12.0 II 2 r	8.4	
NGC 2323		Open Cl 9.0 II 3 r	5.9	M 50 Cr 124
NGC 2316	H304-2	Nebula E+R		
NGC 2313		Nebula bipolar I	13.7	
NGC 2311	H60-8	Open Cl 12.0 III 2 m	9.6	
NGC 2309	H18-6	Open Cl 13.0 I 2 m	10.5	

# Monoceros - The Unicorn

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 2306	H51-8	Open Cl 8.0		cluster?
NGC 2302	H39-8	Open Cl 12.0	8.9	III 2 m
NGC 2301	H27-6	Open Cl 8.0	6	I 3 r
NGC 2286	H31-8	Open Cl 9.0	7.5	III 2 m
NGC 2282		Nebula R		IC 2172
NGC 2269	H3-6	Open Cl 10.0	10	II 1 p
NGC 2264	H5-8	Open Cl 5.0	4.1	III 3 m n Christmas Tree Cluster Mel 49 Cr 112
NGC 2262	H37-7	Open Cl II 1 m	11.3	
NGC 2261	H2-4	Nebula E+R		Hubble's Variable Nebula LBN 920
NGC 2260	H48-8	Open Cl 8.0		cluster?
NGC 2259	H28-6	Open Cl 14.0	10.8	II 1 p n
NGC 2254	H22-7	Open Cl 12.0	9.1	I 1 m
NGC 2252	H50-8	Open Cl 9.0	7.7	III 2 m n
NGC 2251	H3-8	Open Cl 9.1	7.3	III 2 m
NGC 2250		Open Cl 8.7	8.9	IV 2 p
NGC 2247		Nebula R		
NGC 2246		Nebula EN		NIM, 6:32.4 +5:07 Parts of Rosette Nebula
NGC 2245	H3-4	Nebula R		
NGC 2244	H2-7	Open Cl 7.0	4.8	II 3 r n CR 99 MEL 47
NGC 2239		Open Cl II3p		Cluster in Rosette Nebula, NIM 6:31.0 +4:57
NGC 2237		Nebula E		Rosette Nebula SH2-275 LBN 949
NGC 2236	H5-7	Open Cl 12.0	8.5	II 2 m
NGC 2232	H25-8	Open Cl 5.0	4.2	III 2 p
NGC 2226		Open Cl		
NGC 2225	H26-7	Open Cl cluster?		
NGC 2219		Open Cl 7.3		
NGC 2185	H20-4	Nebula R		
NGC 2182	H38-4	Nebula R		
IC 2169		Nebula R		IC 2169
IC 2177		Nebula E		
SH2 282		Nebula E		LBN 978 SH2-282

**Sub Total: 56****Total: 71**

## Musca Australis - The Fly

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 2966		Nebula EN		
IC 4191		PI Neb 2	10.5	
IC 4274		Non-Existent		
NGC 5189		PI Neb 5	9.5	
NGC 4833		Globular	8.4	
NGC 4071		PI Neb	12.9	
NGC 4463		Open Cl 8.3 I 3 m	7.2	
NGC 4372		Globular	7.2	
NGC 4815		Open Cl 9.6 I 2 r	8.6	
IC 2980		Glxly E3	13.4	ESO 39-5 PGC 37612

**Sub Total: 10****Total: 10**

## Norma - The Square

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 4550		Non-Existent		
NGC 5946		Globular	8.4	
NGC 5999		Open Cl 12.0 I 2 m	9	
NGC 6067		Open Cl 10.0 I 3 r	5.6	the S Normae Cluster
NGC 6115		Open Cl 11.0 I 2 p	9.8	
NGC 6031		Open Cl 10.8 I 3 p	8.5	
NGC 6164		PI Neb PN		
NGC 6169		Open Cl III 1 m	6.6	
NGC 6167		Open Cl 7.4 II 3 m	6.7	
NGC 6165		PI Neb PN		
NGC 6152		Open Cl 11.0 III 3 r	8.1	
NGC 6134		Open Cl 11.0 II 3 m	7.2	
NGC 6087		Open Cl 8.0 II 2 m	5.4	
NGC 6005		Open Cl 11.8 I 2 m	10.7	
NGC 5925		Open Cl III 2 r	8.4	
IC 4544		Non-Existent		

**Sub Total: 16****Total: 16**

## Octans - The Octant

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 2573		Glxy SAB(s)cd:	14.1	Polarissima Australis PGC 6249
NGC 7637		Glxy SA(r)c	13.2	ESO 12-1 IRAS 23226-8211 PGC 71440
NGC 2573A		Glxy SBb? pec	14.8	ESO 1-8 PGC 70533
NGC 2573B		Glxy IBm? pec	15.3	ESO 1-9 IRAS 22443-8923 PGC 70680
NGC 7098		Glxy (R)SAB(rs)a	12.2	ESO 48-5 IRAS 21393-7520 PGC 67266
IC 5040		Glxy S	15.2	ESO 47-14 IRAS 20461-7652 PGC 65615
IC 5026		Glxy Sd sp	15.4	ESO 26-6 PGC 65426
IC 5025		Glxy Sbc: sp	15.4	ESO 47-10 IRAS 20389-7709 PGC 65304
NGC 6920		Glxy SA(rs)0 <sup>^</sup> :	12.4	ESO 26-4 PGC 65273
IC 5022		Glxy SAB(r)c	15.4	ESO 47-5 PGC 65186
IC 4928		Glxy	16.5	ESO 46-6 IRAS 20034-7727 PGC 64198
IC 4912		Glxy SB(s)cd?	15.5	ESO 25-16 PGC 64115
IC 4864		Glxy (R')SAB(s)a: sp	14.8	ESO 25-13 PGC 63494
NGC 6438A		Glxy Ring B	12.6	ESO 10-2 IRAS 18061-8525 PGC 61793
NGC 6438		Glxy Ring A	12.1	ESO 10-1 PGC 61787
NGC 6557		Glxy SA(r)0 <sup>^</sup>	13.9	ESO 45-1 PGC 61770
IC 4333		Glxy S0? sp	15.1	ESO 8-5 IRAS 13574-8402 PGC 50242

**Sub Total: 17****Total: 17**

# Ophiuchus - The Serpant Bearer

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 4589		Non-Existent		(STAR)
IC 4622		Non-Existent		
IC 4627		Non-Existent		
IC 4626		Non-Existent		(STAR)
IC 4625		Non-Existent		NGC 6240
NGC 6059		Non-Existent		
IC 4629		Non-Existent		
NGC 6525		Non-Existent		
NGC 6481		Non-Existent		
NGC 6413		Non-Existent		
IC 4659		Non-Existent		
IC 4657		Non-Existent		
NGC 6360		Non-Existent		
IC 1247		Non-Existent		(STAR)
IC 1243		Non-Existent		
NGC 6294		Non-Existent		
IC 4675		Non-Existent		

**Sub Total: 17**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 1242		Glxy S?	14.7	UGC 10718 MCG 1-44-1 CGCG 54-2 IRAS 17062+406 PGC 59688
IC 1257		Globular	13.1	
IC 1255		Glxy S	14.2	UGC 10826 MCG 2-44-3 CGCG 82-23 IRAS 17207+1244 PGC 60180
PGC 58994		Glxy	15.6	CGCG 25-5
PGC 60169		Glxy	15.7	CGCG 82-21
PGC 60210		Glxy	15.4	CGCG 82-26
PGC 61300		Glxy Scd:	13.7	UGC 11093 MCG 1-46-3 CGCG 56-7 ANON 1759+6
PGC 60417		Glxy	15.2	CGCG 55-2
PGC 60181		Glxy	15.6	CGCG 82-24
PGC 59451		Glxy S?	14.7	UGC 10659 CGCG 53-25
PGC 59025		Glxy Scd: sp	14.9	UGC 10554 CGCG 25-6
PGC 59202		Glxy	15.7	CGCG 25-12
PGC 59441		Glxy	15.4	CGCG 53-23
IC 4603		Nebula R		
MINK 2-9		PI Neb ?+6	14.6	PK 10+18.2 PNG 10.8+18.0 Minkowski 2-9
MAC 1723+1234		Glxy	16.5	
IC 4691		Glxy	15.5	CGCG 84-19 PGC 61456
IC 4688		Glxy Scd:	13.8	UGC 11125 MCG 2-46-6 CGCG 84-18 PGC 61441
IC 4676		Glxy	15.6	CGCG 84-13 PGC 61317
IC 4665		Open Cl 6.0 III 2 m	4.2	
IC 4604		Nebula R		
IC 4634		PI Neb 2a+3	10.7	ESO 587-1 Henize 2-189 Sanduleak 2-164
NGC 6171	H40-6	Globular	7.8	M 107

# Ophiuchus - The Serpant Bearer

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 6218		Globular	6.1	M 12
NGC 6220		Glxy SA(s)ab?	14.5	UGC 10541 CGCG 25-4 PGC 58979
NGC 6234		Glxy	15.5	MCG 1-43-7 CGCG 53-18 ARAK508 PGC 59144
NGC 6240		Glxy I0: pec	12.9	IC 4625 PGC 59186 UGC 10592 MCG 0-43-4 CGCG 25-11 VV 617 IRAS 16504+228
NGC 6266		Globular	6.4	M 62
NGC 6369	H11-4	PI Neb 4+2	12.9	ESO 520-3 Henize 2-232 Sanduleak 2-207
NGC 6368		Glxy Sb	13.1	UGC 10856 MCG 2-44-4 CGCG 82-32 IRAS 17248+1135 PGC 60315
NGC 6366		Globular	9.5	
NGC 6356	H48-1	Globular	8.2	
NGC 6355	H46-1	Globular	8.6	
NGC 6342	H149-1	Globular	9.5	
NGC 6333		Globular	7.8	M 9
NGC 6325		Globular	10.2	
NGC 6316	H45-1	Globular	8.1	
NGC 6309		PI Neb 3b+6	10.8	Box Nebula Henize 2-206 PK 9+14.1 Sanduleak 2-281
NGC 6304	H147-1	Globular	8.3	
NGC 6296		Glxy SAB(s)bc:	14.2	UGC 10719 MCG 1-44-2 CGCG 54-3 IRAS 17062+357 PGC 59690
NGC 6293	H12-6	Globular	8.3	
NGC 6287	H195-2	Globular	9.3	
NGC 6284	H11-6	Globular	8.9	
NGC 6280		Glxy L	15.5	MCG 1-43-8 CGCG 53-26 ARAK512 PGC 59464
NGC 6273		Globular	6.8	M 19
NGC 6633	H72-8	Open Cl 8.0 III 2 m	4.6	
NGC 6615		Glxy SB0+:	14.1	UGC 11196 MCG 2-46-13 CGCG 84-34 PGC 61713
NGC 6572		PI Neb 2a	9	PK 34+11.1 PNG 34.6+11.8
NGC 6570		Glxy SB(rs)m:	13.3	UGC 11137 MCG 2-46-8 CGCG 84-22 VV 537 IRAS 18088+1404 PGC 61512
NGC 6517	H199-2	Globular	10.1	
NGC 6509		Glxy Sd	13.1	UGC 11075 MCG 1-46-2 CGCG 56-6 IRAS 17569+617 PGC 61230
NGC 6426	H587-2	Globular	10.9	
NGC 6402		Globular	7.6	M 14
NGC 6401	H44-1	Globular	7.4	
NGC 6384		Glxy SAB(r)bc	11.1	UGC 10891 MCG 1-45-1 CGCG 55-7 IRAS 17299+705 PGC 60459
NGC 6378		Glxy S?	14.4	UGC 10884 MCG 1-44-9 CGCG 55-1 PGC 60418
NGC 6254		Globular	6.6	M 10
NGC 6235	H584-2	Globular	8.9	

**Sub Total: 58****Total: 75**

## Orion - The Hunter

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 1671		Non-Existent		
NGC 1707		Non-Existent		
IC 2109		Non-Existent		
NGC 1717		Non-Existent		
IC 2124		Non-Existent		IC 413
NGC 1908	H33-5	Non-Existent		
NGC 1973		Non-Existent		
IC 428		Non-Existent		
NGC 2189		Non-Existent		
IC 2159		Non-Existent		
NGC 2175		Non-Existent		
NGC 2143		Non-Existent		
NGC 2063	H2-8	Non-Existent		
NGC 2054		Non-Existent		
NGC 2045		Non-Existent		
NGC 2039		Non-Existent		
IC 429		Non-Existent		IC 430
NGC 2198		Non-Existent		
IC 427		Non-Existent		
NGC 1927		Non-Existent		
NGC 1909	H38-5	Non-Existent		
IC 2123		Non-Existent		IC 412
NGC 1742		Non-Existent		
IC 2110		Non-Existent		(STAR)
IC 2107		Non-Existent		

**Sub Total: 25**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
ABELL 12		PI Neb	12.4	PK 198-6.1
B 33		Nebula Ir		HORSEHEAD NEBULA
IC 395		Glxy S0:	13.9	UGC 3178 MCG 0-13-15 CGCG 394-16 PGC 16095
IC 412		Glxy Sab	13.8	IC 2123 UGC 3298 MCG 1-14-34 CGCG 421-41 VV 225 VV 630 PGC 17180
IC 409		Glxy S	15	MCG 1-14-24 CGCG 421-26 PGC 17105
IC 404		Glxy	15.7	CGCG 446-1 PGC 16935
IC 392		Glxy S0	13.3	UGC 3158 MCG 1-13-1 CGCG 420-2 VV 665 IRAS 4438+324 PGC 15973
IC 413		Glxy S0	13.8	IC 2124 UGC 3299 MCG 1-14-35 CGCG 421-42 VV 630 PGC 17181
IC 432		Nebula R		
IC 431		Nebula R		
IC 430		Nebula R		IC 430
IC 426		Nebula R		
IC 424		Nebula R		
IC 423		Nebula R		
IC 421		Glxy SAB(rs)bc	12.3	MCG -1-15-1 UGC A111 IRAS 5297-757 PGC 17407

## Orion - The Hunter

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 420		Nebula R		
IC 414		Glxy	15.1	MCG 1-14-33 CGCG 421-40 PGC 17179
IC 435		Nebula R		
IC 434		Nebula E		
NGC 1661		Glxy SA(s)bc pec:	14	UGC 3166 MCG 0-13-8 CGCG 394-9 PGC 16000
NGC 1670	H501-3	Glxy SA0 <sup>^</sup> :	13.7	MCG 0-13-16 CGCG 394-17 PGC 16107
NGC 1678	H502-3	Glxy SA0 <sup>^</sup> pec?	14.2	MCG 0-13-19 CGCG 394-20 PGC 16179
NGC 1683		Glxy Sa	15.6	PGC 16209
NGC 1685		Glxy SB(r)0/a	14.5	MCG -1-13-32 IRAS 4500-301 PGC 16222
NGC 1691		Glxy (R)SB(s)0/a:	13	UGC 3201 MCG 1-13-9 MK 1088 CGCG 420-19 IRAS 4520+311 PGC 16300
NGC 2202		Open Cl 9.0 cluster?		
NGC 2195		Nebula		
NGC 2119		Glxy E	14.6	UGC 3380 PGC 18136
NGC 1875		Glxy S0?	14.6	MCG 1-14-31 VV 169 ARP 327 Hickson 34A PGC 17171
NGC 1843		Glxy SAB(s)cd:	13.4	MCG -2-14-8 UGC A107 IRAS 5117-1041 PGC 16949
NGC 1819		Glxy SB0	13.4	UGC 3265 MCG 1-14-2 MK 1194 CGCG 421-4 IRAS 5091+508 PGC 16899
NGC 1788	H32-5	Nebula R		
NGC 1762	H453-3	Glxy SA(rs)c:	13.4	UGC 3238 MCG 0-13-67 CGCG 394-73 IRAS 5010+130 PGC 16654
NGC 1753		Glxy (R')SBa pec?	15.5	MCG -1-13-48 IRAS 5000-324 PGC 16610
NGC 1740		Glxy S0-:	13.4	MCG -1-13-46 PGC 16589
NGC 1729	H503-3	Glxy SA(s)c	13.1	MCG -1-13-43 IRAS 4577-325 PGC 16529
NGC 1719		Glxy Sa: sp	14.5	UGC 3226 MCG 0-13-60 CGCG 394-63 PGC 16501
NGC 1999	H33-4	Nebula E		
NGC 1990	H34-5	Nebula E+R		
NGC 1982	H1-3	Nebula E	9	M 43
NGC 1981		Open Cl 10.0 III 3 p n	4.2	
NGC 1980	H31-5	Nebula III 3 m n	2.5	
NGC 1977	H30-5	Open Cl		
NGC 1976		Nebula EN+RN		M 42 Orion Nebula LBN 974
NGC 1975		Nebula E		
NGC 1924	H447-3	Glxy SB(r)bc	13.3	MCG -1-14-11 IRAS 5255-521 PGC 17319
NGC 2112	H24-7	Open Cl 10.0 II 2 m n	9.1	
NGC 2110	H448-3	Glxy SAB0-	13.2	MCG -1-15-4 PGC 18030
NGC 2071	H36-4	Nebula R		
NGC 2068		Nebula R	8.3	M 78
NGC 2067		Nebula R		
NGC 2064		Nebula R		
NGC 2024	H28-5	Nebula E		
NGC 2023	H24-4	Nebula R+E		
NGC 2022	H34-4	PI Neb 4+2	12.4	PK 196-10.1 PNG 196.6-10.9
NGC 2194	H5-6	Open Cl 13.0 II 2 r	8.5	
NGC 2186	H25-7	Open Cl 12.0 II 2 m	8.7	
NGC 2184		Open Cl 9.0 cluster?		
NGC 2180	H6-8	Open Cl 12.0 cluster?		
NGC 2175.1		Open Cl II 2 p n		

## Orion - The Hunter

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 2174		Nebula E		
NGC 2169	H24-8	Open Cl 6.9 III 3 m	5.9	
NGC 2163		Nebula bipolar		
NGC 2141		Open Cl 15.0 I 2 r	9.4	
NGC 1713	H516-2	Glxy E+:	13.9	UGC 3222 MCG 0-13-56 CGCG 394-59 PGC 16471
NGC 1709		Glxy SB0^:	15.2	NGC 1717 PGC 16462 MCG 0-13-54 CGCG 394-58
NGC 1690		Glxy SB(s)b	14.8	UGC 3199 MCG 0-13-26 CGCG 394-29 PGC 16289
NGC 1684	H528-2	Glxy E+ pec:	12.5	MCG -1-13-31 IRAS 4500-311 PGC 16219
NGC 1682	H527-2	Glxy E/S0	12.6	MCG -1-13-28 PGC 16211
NGC 1662	H1-7	Open Cl 9.0 II 3 m	6.4	
NGC 1663	H7-8	Open Cl IV 2 p c		
IC 2093		Glxy S	14.9	MCG 0-13-6 CGCG 394-7 PGC 15969
IC 2112		Glxy SA: sp	15.2	CGCG 420-27 PGC 16534
MAC 0516+0621		Glxy	16.5	
MAC 0516+0620		Glxy	15.5	
MAC 0516+0619		Glxy	15.5	
MAC 0500+0425		Glxy	15.5	
MAC 0459-0030		Glxy	15.5	
MAC 0452-0304		Glxy	16	
MAC 0451-0235		Glxy	16	
MAC 0447-0208		Glxy	16	
J 320		PI Neb 2+4	12.9	PK 190-17.1 Jonckheere 320
MAC 0552-0736		Glxy	16	
MAC 0519+0319		Glxy	17	
MAC 0517+0630A		Glxy	16.5	
MAC 0517+0629		Glxy	16	
MAC 0516+0633A		Glxy	16.5	
MAC 0516+0630C		Glxy	15.5	
MAC 0516+0630B		Glxy	15.5	
MAC 0516+0630A		Glxy	16	
MAC 0516+0629B		Glxy	16.5	
MAC 0516+0627C		Glxy	16	
MAC 0516+0627B		Glxy	15.5	
MAC 0516+0626C		Glxy	15.5	
MAC 0516+0626A		Glxy	15.5	
MAC 0516+0623		Glxy	15.5	
MAC 0516+0622		Glxy	15.5	
IC 2162		Nebula E		
PGC 16180		Glxy S?	15.3	MCG 0-13-18 CGCG 394-21 ARAK113
PGC 16481		Glxy Sbc	15.7	MCG 0-13-58 CGCG 394-61
PGC 17022		Glxy	15.6	CGCG 421-16
SH2 258		Nebula		SH2-258
SH2 257		Nebula E		SH2-257
SH2 256		Nebula		SH2-256
SH2 254		Nebula E		LBN 858 SH2-254

## Orion - The Hunter

Observed: Yes

<b>Object</b>	<b>Her</b>	<b>Type</b>	<b>Mag</b>	<b>Alias/Notes</b>
PGC 17176		Glxy SA0-:	17.5	MCG 1-14-32 CGCG 421-39 VV 169 ARP 327 Hickson 34B
PGC 17175		Glxy S	17.3	Hickson 34C ARP 327
PGC 17173		Glxy S	18.4	Hickson 34D ARP 327
PGC 17109		Glxy	15.6	CGCG 421-27 ARP 52
PGC 17033		Glxy S	15.6	MCG 1-14-19 CGCG 421-19
PGC 17031		Glxy S?	14.7	UGC 3275 MCG 1-14-17
PGC 17028		Glxy S	15.7	MCG 1-14-18 CGCG 421-17
PGC 17025		Glxy S?	14.8	UGC 3274 MCG 1-14-16 CGCG 421-18 VV 161 ANON 513+6
PGC 17024		Glxy S		MCG 1-14-15
PGC 17535		Glxy Sb	14	UGC 3331 MCG 0-15-1
PGC 17532		Glxy	15.7	CGCG 396-2
PGC 17020		Glxy S	16.1	MCG 1-14-12 CGCG 421-15 IRAS 5137+625
PGC 16448		Glxy SB(rs)0-:	15.3	MCG 0-13-53 CGCG 394-56
PGC 16256		Glxy SB(s)cd	15.2	MCG -1-13-33
PGC 16290		Glxy E	14.9	UGC 3198 MCG 0-13-27 CGCG 394-30 ARAK115
PGC 16447		Glxy	15.7	MCG 0-13-52 CGCG 394-55

**Sub Total: 121****Total: 146**

## Pavo - The Peacock

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 6398		Glxy (R)SB(r)a	13.4	ESO 139-18 PGC 60735
IC 4662		Glxy IBm	11.7	ESO 102-14 IRAS 17422-6437 PGC 60851
IC 4664		Glxy (R')SB(r)b	13.6	ESO 102-15 IRAS 17442-6314 PGC 60907
NGC 6483		Glxy E4	13	ESO 102-20 FAIR486 PGC 61233
NGC 6492		Glxy SA(rs)bc:	12.3	ESO 102-22 IRAS 17576-6625 PGC 61315
IC 4674		Glxy SAB(s)d:	14.9	ESO 140-1 IRAS 18035-6224 PGC 61445
IC 4680		Glxy (R')SB(r)ab:	13.9	ESO 103-9 PGC 61598
IC 4687		Glxy Sb: pec	14.3	ESO 140-10 FAIR45 IRAS 18093-5744 PGC 61602
IC 4702		Glxy (R)SB(rs)0/a	14	ESO 140-20 PGC 61810
NGC 6588		Non-Existent		
IC 4698		Glxy Sb:	15.3	ESO 103-15 IRAS 18161-6322 PGC 61762
IC 4696		Glxy SAB(rs)bc:	13.5	ESO 103-13 IRAS 18153-6445 PGC 61750
IC 4695		Non-Existent		(STAR)
IC 4682		Glxy SB(rs)bc	13.2	ESO 71-5 FAIR493 IRAS 18105-7135 PGC 61669
IC 4694		Glxy SB(s)c:	13.7	ESO 140-14 PGC 61647
IC 4692		Glxy SB(r)cd	14.3	ESO 140-13 IRAS 18104-5842 PGC 61638
IC 4689		Glxy Sa: pec	15	ESO 140-11 FAIR46 PGC 61604
IC 4723		Glxy S	14.7	ESO 103-27 IRAS 18311-6325 PGC 62099
IC 4722		Glxy SA(s)c pec:	13.6	ESO 140-28 IRAS 18302-5749 PGC 62071
IC 4721A		Glxy		PGC 62067
IC 4721		Glxy SB(s)cd:	12.4	ESO 140-27 PGC 62066
IC 4718		Glxy Sb:	13.8	ESO 140-26 PGC 62048
IC 4720		Glxy SB(rs)cd:	13.6	ESO 140-25 IRAS 18291-5826 PGC 62030
IC 4717		Glxy Sb? sp	14.3	ESO 140-24 IRAS 18289-5800 PGC 62024
IC 4716		Glxy SB	16	ESO 183-1 PGC 62013
NGC 6630		Glxy SA0-?	14.6	ESO 103-26 IRAS 18278-6319 PGC 62008
IC 4951		Glxy SB(s)dm: sp	14	ESO 143-10 PGC 64181
NGC 6860		Glxy (R')SB(r)b	13.7	ESO 143-9 IRAS 20044-6114 PGC 64166
IC 4934		Glxy Scd	14.9	ESO 73-23 PGC 64133
IC 4939		Glxy Sc?	15.1	ESO 143-8 PGC 64131
IC 4929		Glxy Sb: pec	14.3	ESO 73-22 IRAS 20011-7149 PGC 64108
IC 4938		Glxy (R)SB(s)ab:	13.4	ESO 143-7 FAIR66 PGC 64096
IC 4936		Glxy SB(s)dm	14.5	ESO 143-6 PGC 64088
IC 4935		Glxy (R')SB(r)a: sp	14	ESO 143-3 PGC 64064
IC 4921		Glxy L	15.3	ESO 73-20 IRAS 19583-6758 PGC 64037
NGC 6844		Glxy (R)SAB(rs)b	13.5	ESO 105-21 FAIR526 IRAS 19581-6522 PGC 64025
IC 4904		Glxy Sa?	14.8	ESO 73-17 PGC 63913
IC 4903		Glxy Sab	15.2	ESO 73-16 PGC 63897
IC 4910		Glxy SB	15.6	ESO 185-33 PGC 63879
IC 4906		Glxy SAB0-?	12.5	ESO 142-57 FAIR64 PGC 63849
IC 4905		Glxy Sa?	15.9	ESO 142-55 PGC 63828
IC 4899		Glxy S?	14.5	ESO 73-15 PGC 63799
IC 4901		Glxy SAB(rs)c:	12.3	ESO 142-50 IRAS 19501-5850 PGC 63797
IC 4893		Glxy	16.2	ESO 46-4 PGC 63726
IC 4892		Glxy Sbc? sp	14.8	ESO 73-11 PGC 63709

## Pavo - The Peacock

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 4896		Glxy S	15.4	ESO 142-45 PGC 63698
IC 4887		Glxy SB(r)ab	14.2	ESO 73-9 PGC 63681
NGC 6808		Glxy SA(r)ab pec:	12.5	ESO 73-3 IRAS 19385-7045 PGC 63578
IC 4885		Glxy SA(s)c:	14.5	ESO 142-36 PGC 63577
NGC 6810		Glxy SA(s)ab: sp	12.4	ESO 142-35 IRAS 19393-5846 PGC 63571
IC 4884		Glxy (R)SA(rl)0+	14.7	ESO 142-33 PGC 63546
IC 4878		Glxy S	15.1	ESO 142-29 IRAS 19346-5820 PGC 63467
IC 4870		Glxy IBm? pec	13.9	ESO 105-11 IRAS 19327-6555 PGC 63432
IC 4869		Glxy SA(s)m	13.6	ESO 142-25 IRAS 19316-6108 PGC 63398
IC 4872		Non-Existent		IC 4872 IC 4872 ESO 142-24 PGC 63395
IC 4871		Glxy SAB(s)d? sp	14	IC 4871 IC 4872 ESO 142-24 PGC 63395
IC 4866		Glxy (R)SAB(s)b?	13.9	ESO 142-21 IRAS 19301-6115 PGC 63376
IC 4862		Glxy SAB(rs)bc:	14.5	ESO 105-3 IRAS 19266-6726 PGC 63334
IC 4860		Glxy SB(s)c? pec	14.6	ESO 105-1 IRAS 19263-6728 PGC 63326
IC 4853		Glxy S	14.9	ESO 72-16 IRAS 19253-7110 PGC 63304
IC 4859		Glxy SA(s)bc	14.8	ESO 104-58 IRAS 19258-6625 PGC 63302
IC 4861		Glxy S	15.5	ESO 142-15 PGC 63274
IC 4857		Glxy SBc	13.1	IC 4858 IC 4857 ESO 142-12 IRAS 19244-5852 PGC 63256
IC 4858		Non-Existent		IC 4858 IC 4857 ESO 142-12 IRAS 19244-5852 PGC 63256
IC 4855		Non-Existent		IC 4855 IC 4854 ESO 142-7 FAIR58 IRAS 19230-5925 PGC 63223
IC 4854		Glxy Scd	13.1	IC 4855 IC 4854 ESO 142-7 FAIR58 IRAS 19230-5925 PGC 63223
NGC 6777		Non-Existent		
NGC 6784		Glxy S0	15	ESO 104-55 PGC 63209
NGC 6784A		Glxy SA0- pec:	14.8	ESO 104-55A PGC 63210
IC 4852		Glxy (R')SB(s)bc pec	13.7	ESO 142-6 IRAS 19220-6026 PGC 63204
IC 4849		Glxy SA:(s)c	14.5	ESO 104-54 IRAS 19209-6301 PGC 63192
IC 4851		Glxy SB(r)b?	14.1	ESO 142-3 PGC 63189
NGC 6776		Glxy E+ pec:	13.1	ESO 104-53 PGC 63185
NGC 6776A		Glxy SB(s)cd: sp	14.8	ESO 104-52 IRAS 19204-6346 PGC 63181
NGC 6782		Glxy (R)SAB(r)a	11.8	ESO 142-1 FAIR57 IRAS 19195-6001 PGC 63168
IC 4847		Glxy S0?	14.9	ESO 104-49 FAIR337 PGC 63160
IC 4848		Glxy S	14.9	ESO 184-61 IRAS 19188-5652 PGC 63152
IC 4841		Glxy SAB(rs)bc:	14.8	ESO 72-14 PGC 63092
IC 4845		Glxy SA(rs)b:	12.3	ESO 141-54 IRAS 19159-6028 PGC 63081
IC 4842		Glxy E:	13.4	ESO 141-52 PGC 63065
IC 4843		Glxy SB	15.1	ESO 141-53 IRAS 19149-5924 PGC 63064
NGC 6771		Glxy SB(r)0+? sp	13.6	ESO 141-50 PGC 63049
NGC 6770		Glxy SAB(rs)b pec	12.8	ESO 141-49 VV 304 PGC 63048
NGC 6769		Glxy SAB(r)b pec	12.6	ESO 141-48 VV 304 PGC 63042
IC 4825		Glxy S	16.6	ESO 45-20 PGC 63014
IC 4838		Glxy	14.3	ESO 141-45 IRAS 19122-6142 PGC 63002
IC 4834		Glxy Sa?	14.8	ESO 104-47 IRAS 19117-6405 PGC 62996
IC 4836		Glxy SB(s)bc	13.3	ESO 141-43 IRAS 19118-6017 PGC 62990
IC 4833		Glxy	14.6	ESO 141-40 IRAS 19111-6225 PGC 62980
IC 4835		Glxy S	14.7	ESO 141-41 PGC 62970

## Pavo - The Peacock

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 6733		Glxy SAB0^ pec:	13.4	ESO 141-25 PGC 62770
IC 4811		Glxy S	15.8	ESO 104-34 IRAS 19006-6712 PGC 62760
IC 4813		Glxy Dwarf Spiral	14.5	ESO 104-35 PGC 62758
IC 4814		Glxy S	14.3	ESO 141-23 IRAS 19006-5839 PGC 62749
IC 4809		Glxy Dwarf	15.1	ESO 141-22 PGC 62733
NGC 6722		Glxy Sb sp	13.5	ESO 104-33 PGC 62722
NGC 6719		Glxy SA(r)cd pec	13.5	ESO 72-8 IRAS 18578-6839 PGC 62710
IC 4807		Glxy SB(s)c?	14.2	ESO 183-37 IRAS 18580-5700 PGC 62696
IC 4805		Glxy Sa:	14.9	ESO 104-30 IRAS 18573-6307 PGC 62693
IC 4806		Glxy (R')SA(s)b: sp	13.1	ESO 141-20 FAIR503 FAIR853 PGC 62689
NGC 6718		Glxy (R)SB(r)b	14.1	ESO 104-29 FAIR502 IRAS 18566-6611 PGC 62688
IC 4804		Glxy SA(s)c	14.7	ESO 141-18 PGC 62685
NGC 6721		Glxy E+:	13.1	ESO 141-19 PGC 62680
IC 4803		Glxy	15.7	ESO 141-17 PGC 62677
IC 4801		Glxy SAB(r)0+	13.6	ESO 104-28 PGC 62655
IC 4799		Glxy SB(rs)ab	14	ESO 104-27 FAIR335 IRAS 18541-6359 PGC 62643
IC 4800		Glxy (R')SB(s)a:	12.8	ESO 104-25 PGC 62637
IC 4798		Glxy SA(s)0^: pec	13.2	ESO 141-15 IRAS 18536-6211 PGC 62630
IC 4795		Glxy S	15.8	ESO 141-14 PGC 62608
IC 4794		Glxy S0	14.1	ESO 141-13 PGC 62605
IC 4793		Glxy Sb	14.5	ESO 141-12 IRAS 18523-6127 PGC 62599
NGC 6706		Glxy S0-: sp	13.9	ESO 104-24 PGC 62596
IC 4790		Glxy (R')SB(rs)bc?	13.9	ESO 104-23 IRAS 18516-6459 PGC 62590
IC 4789		Glxy SA(s)c:	14	ESO 72-5 IRAS 18509-6838 PGC 62582
IC 4787		Glxy SB(s)m	14.5	ESO 72-4 PGC 62579
IC 4788		Glxy Sc	16	ESO 104-21 PGC 62555
IC 4785		Glxy (R')SB(rs)b	13.1	ESO 141-9 IRAS 18484-5918 PGC 62528
IC 4784		Glxy S0?	13.7	ESO 104-20 IRAS 18479-6319 PGC 62527
NGC 6684A		Glxy IB(s)m	13.2	ESO 104-19 PGC 62517
NGC 6699		Glxy SAB(rs)bc:	12.6	ESO 183-21 IRAS 18477-5722 PGC 62512
IC 4781		Glxy (R)SB(r)0+	15.2	ESO 104-18 PGC 62505
IC 4783		Glxy Sb:	14.6	ESO 141-8 IRAS 18473-5852 PGC 62502
IC 4773		Glxy SAB(r)dm:	14.3	ESO 72-2 PGC 62498
IC 4779		Glxy SA(rs)ab:	14.9	ESO 104-17 PGC 62480
IC 4778		Glxy (R')S0/a?	14.1	ESO 141-6 IRAS 18454-6146 PGC 62472
IC 4780		Glxy S	14.9	ESO 141-7 IRAS 18455-5918 PGC 62470
NGC 6684		Glxy (R')SB(s)0^	11.3	ESO 104-16 PGC 62453
IC 4775		Glxy Sb sp	14.7	ESO 183-14 PGC 62447
IC 4771		Glxy SA(rs)bc:	15.2	ESO 104-15 PGC 62445
IC 4774		Glxy SB(r)bc	14.5	ESO 141-5 FAIR52 IRAS 18438-5759 PGC 62438
IC 4770		Glxy (R)SAB(rs)a:	15.4	ESO 104-13 PGC 62439
IC 4769		Glxy (R')SB(s)b pec	14.1	ESO 104-11 FAIR188 IRAS 18429-6312 PGC 62428
IC 4767		Glxy S0+: pec sp	14.3	ESO 104-10 PGC 62427
IC 4766		Glxy SA(r)0+	13.8	ESO 104-9 PGC 62421
IC 4765		Glxy E+4	12.3	ESO 104-6 FAIR187 PGC 62407

## Pavo - The Peacock

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 4764		Glxy S?	14.7	ESO 104-4 PGC 62396
IC 4758		Glxy Sc	14.2	ESO 103-62 IRAS 18413-6548 PGC 62381
IC 4747		Glxy S	16	ESO 45-15 IRAS 18398-7240 PGC 62372
IC 4746		Glxy	16	ESO 45-14 PGC 62371
IC 4760		Glxy SA(r)0^	15.1	ESO 103-61 PGC 62369
IC 4759		Glxy	15.4	ESO 103-60 IRAS 18409-6308 PGC 62367
NGC 6673		Glxy SAB(s)0-:	12.6	ESO 140-44 FAIR186 PGC 62351
IC 4755		Glxy S	15.1	ESO 103-58 IRAS 18402-6344 PGC 62349
NGC 6653		Glxy E1:	12.2	ESO 45-13 PGC 62342
IC 4754		Glxy (R')SB(r)b:	14.3	ESO 140-42 FAIR185 PGC 62331
IC 4757		Glxy SA(s)0/a: sp	14.5	ESO 183-9 IRAS 18396-5713 PGC 62327
IC 4752		Glxy S	15.5	ESO 103-57 PGC 62323
IC 4753		Glxy E?	14.6	ESO 140-41 FAIR184 PGC 62319
IC 4751		Glxy (R)SB0^	14.1	ESO 140-40 FAIR183 PGC 62317
IC 4750		Glxy SAB(r)0+	15.1	ESO 103-55 PGC 62308
IC 4740		Glxy SAB(s)c	15.2	ESO 71-20 PGC 62306
IC 4749		Glxy S0?	14.3	ESO 103-54 PGC 62300
IC 4748		Glxy S0?	14.3	ESO 103-53 FAIR181 PGC 62299
IC 4745		Glxy Sab pec: sp	13.9	ESO 103-52 IRAS 18376-6459 PGC 62292
IC 4744		Glxy	15.3	ESO 103-50 IRAS 18371-6316 PGC 62271
IC 4742		Glxy E1	13.1	ESO 103-48 FAIR180 PGC 62270
IC 4741		Glxy SA(r)ab	13.7	ESO 103-47 FAIR179 PGC 62269
IC 4743		Glxy S0	14.9	ESO 140-37 PGC 62262
IC 4739		Glxy S?	15.1	ESO 140-36 PGC 62246
IC 4738		Glxy (R')SA(r)cd:	15.2	ESO 140-35 PGC 62234
IC 4737		Glxy (R')SB(s)a	14.9	ESO 103-42 IRAS 18352-6238 PGC 62222
IC 4729		Glxy SAB(r)c	13.3	ESO 103-40 FAIR333 IRAS 18347-6728 PGC 62218
IC 4735		Glxy	15.5	ESO 103-41 IRAS 18350-6300 PGC 62213
IC 5103		Glxy (R')SB(s)c:	15	ESO 47-31 PGC 66841
IC 5106		Glxy SB0-	13.7	ESO 75-9 PGC 66824
IC 5107		Glxy S	15.2	ESO 107-29 PGC 66813
NGC 7059		Glxy SAB(rs)c	12.4	ESO 145-5 IRAS 21236-6013 PGC 66784
IC 5102		Glxy S0	14.8	ESO 47-30 PGC 66751
IC 5101		Glxy SB(s)bc pec	13.9	ESO 107-25 IRAS 21177-6602 PGC 66636
IC 5099		Glxy	15.4	ESO 75-3 IRAS 21172-7111 PGC 66633
IC 5100		Glxy SBc?	14.6	ESO 107-24 IRAS 21175-6608 PGC 66628
IC 5093		Glxy	16	ESO 75-1 PGC 66543
IC 5096		Glxy Sbc sp	13.3	ESO 107-19 IRAS 21143-6358 PGC 66530
IC 5094		Glxy SB(r)c	14.5	ESO 107-18 PGC 66515
IC 5091		Glxy S	15.9	ESO 74-27 PGC 66505
IC 5095		Glxy (R)Scd?	15.4	ESO 145-2 PGC 66498
IC 5092		Glxy SB(rs)c:	12.8	ESO 107-17 IRAS 21121-6440 PGC 66452
NGC 7032		Glxy SA(r)c	13.6	ESO 74-26 IRAS 21109-6829 PGC 66427
IC 5087		Glxy SB(s)b: pec	15	ESO 47-26 IRAS 21092-7358 PGC 66391
IC 5085		Glxy S	15.3	ESO 47-25 PGC 66370

## Pavo - The Peacock

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 7021		Non-Existent		NGC 7020 PGC 66291 ESO 107-13
NGC 7020		Glxy SB0	11.8	
IC 5084		Glxy SB(s)b? pec	12.6	ESO 107-7 IRAS 21051-6329 PGC 66208
IC 5077		Glxy S	15.7	ESO 47-23 PGC 66197
IC 5075		Glxy (R')SA:(s):a	14.6	ESO 74-23 IRAS 20595-7204 PGC 66040
IC 5073		Glxy SB(rs)c	14.8	ESO 47-21 FAIR579 PGC 65992
IC 5072		Glxy	15.6	ESO 47-20 PGC 65938
IC 5071		Glxy SAB(s)c?	13.3	ESO 47-19 IRAS 20562-7250 PGC 65915
IC 5074		Glxy S	14.6	ESO 107-1 IRAS 20569-6320 PGC 65902
IC 5069		Glxy (R')SB(rs)b	14.1	ESO 74-22 IRAS 20551-7200 PGC 65870
IC 5066		Glxy S	15.1	ESO 47-18 IRAS 20519-7320 PGC 65768
IC 5060		Glxy S	15.5	ESO 74-21 PGC 65695
IC 5054		Glxy (R')SB(r)a:	13.9	ESO 74-19 IRAS 20489-7112 PGC 65665
IC 5053		Glxy Sa: sp	13.7	ESO 74-18 IRAS 20485-7119 PGC 65662
IC 5055		Glxy	15.1	ESO 74-17 PGC 65643
IC 5051		Glxy S	15.6	ESO 74-14 IRAS 20473-7158 PGC 65618
IC 5052		Glxy SBd: sp	11.2	ESO 74-15 IRAS 20473-6923 PGC 65603
IC 5048		Glxy SB	15.8	ESO 74-12 PGC 65570
IC 5045		Glxy S	15.3	ESO 74-11 PGC 65525
IC 5044		Glxy	15.5	ESO 74-10 PGC 65515
IC 5042		Glxy S?	13.2	ESO 106-13 IRAS 20434-6515 PGC 65394
IC 5038		Glxy (R')SB(s)cd:	13.4	ESO 106-12 IRAS 20424-6512 PGC 65365
IC 5032		Glxy	13.4	IC 5031 ESO 74-8 IRAS 20407-6743 PGC 65317
IC 5031		Glxy S	12.7	
NGC 6943		Glxy SAB(r)cd:	12.1	ESO 74-6 PGC 65295
IC 5028		Glxy IAB(s)m?	15.2	ESO 106-10 PGC 65250
NGC 6932		Glxy (R')SAB(r)0+	13.3	ESO 47-8 PGC 65219
IC 5024		Glxy SB(s)c:	14.9	ESO 74-3 PGC 65160
IC 5023		Glxy S(r)a:	14.2	ESO 106-8 IRAS 20335-6721 PGC 65109
IC 5016		Glxy SB	15.8	ESO 47-3 PGC 65025
IC 5014		Glxy	14.4	ESO 47-2 IRAS 20296-7337 PGC 65015
IC 5008		Glxy SB(s)dm	15.5	ESO 47-1 PGC 64929
IC 5009		Glxy SB(r)0+	14.4	ESO 74-1 PGC 64923
IC 5010		Glxy S	15.9	ESO 106-6 PGC 64836
IC 5012		Glxy SB(rs)c	15.2	ESO 186-53 PGC 64802
IC 4992		Glxy SB(s)c? sp	14.4	ESO 73-42 IRAS 20180-7143 PGC 64597
IC 4993		Glxy I	15.7	ESO 106-4 PGC 64541
IC 4988		Non-Existent		
IC 4990		Glxy SB	15.7	ESO 106-3 PGC 64520
IC 4985		Glxy S0?	14.9	ESO 73-40 PGC 64505
IC 4982		Glxy	15.2	ESO 73-39 PGC 64498
IC 4981		Glxy I pec sp	14.1	ESO 73-38 PGC 64486
NGC 6880		Glxy SAB(s)0+:	13.2	ESO 73-37 IRAS 20142-7100 PGC 64479
IC 4989		Glxy S	15.3	ESO 143-19 PGC 64476
NGC 6877		Glxy E6	13.2	ESO 73-36 PGC 64457

## Pavo - The Peacock

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 6876		Glxy E3	12.1	ESO 73-35 PGC 64447
IC 4972		Glxy Sb: sp	15.3	ESO 73-34 PGC 64436
IC 4964		Glxy SA(s)d:	15	ESO 46-8 PGC 64432
IC 4971		Glxy S	16.1	ESO 73-31 PGC 64417
IC 4970		Glxy SA0- pec:	14.7	ESO 73-33 VV 297 PGC 64415
NGC 6872		Glxy SB(s)b pec	12.7	ESO 73-32 VV 297 IRAS 20115-7055 PGC 64413
IC 4962		Glxy S	16.2	ESO 73-30 PGC 64402
IC 4967		Glxy E:	14.8	ESO 73-29 PGC 64396
IC 4976		Glxy S	15.6	ESO 143-17 FAIR70 PGC 64374
IC 4958		Glxy S	17.2	ESO 46-7 PGC 64370
IC 4980		Glxy SB(s)0/a: pec	14.2	ESO 143-18 IRAS 20114-5803 PGC 64367
IC 4974		Glxy	15.2	ESO 143-16 FAIR68 PGC 64366
IC 4960		Glxy SAB0^: sp	14.5	ESO 73-28 PGC 64363
IC 4968		Glxy (R:)SAB(rs)a:	15	ESO 106-1 PGC 64345
IC 4973		Glxy S	15.8	ESO 143-15 PGC 64337
IC 4965		Glxy SA0^	14.8	ESO 186-11 PGC 64272
NGC 6876A		Non-Existent		
IC 4945		Glxy Sb sp	14.8	ESO 73-25 PGC 64222
IC 4953		Glxy S	15.7	ESO 105-27 PGC 64193
IC 4822		Glxy S	16.1	ESO 45-19 PGC 62952
IC 4831		Glxy (R')SA(s)ab	12.3	ESO 141-38 IRAS 19101-6221 PGC 62951
IC 4830		Glxy SB(r)bc	13.2	ESO 141-37 IRAS 19094-5922 PGC 62934
IC 4828		Glxy S?	14.7	ESO 141-36 PGC 62930
IC 4827		Glxy SA(s)ab: sp	13.2	ESO 141-34 IRAS 19088-6056 PGC 62922
IC 4824		Glxy IAB(s)m	16.8	ESO 141-33 PGC 62918
IC 4826		Glxy SA(s)ab pec?	14.4	ESO 184-27 PGC 62897
IC 4823		Glxy	14.6	ESO 104-45 PGC 62894
NGC 6753		Glxy (R)SA(r)b	12	ESO 184-22 IRAS 19071-5707 PGC 62870
NGC 6752		Globular	5.3	
NGC 6746		Glxy SA0-:	12.6	ESO 141-29 IRAS 19058-6202 PGC 62852
NGC 6744		Glxy SAB(r)bc	9.1	ESO 104-42 IRAS 19050-6354 PGC 62836
IC 4820		Glxy SAB(s)d:	15.2	ESO 104-39 PGC 62824
NGC 6744A		Glxy IB(s)m	15.1	ESO 104-38 PGC 62815
NGC 6739		Glxy SA(r)0^	13.2	ESO 141-28 ANON 1903-61 PGC 62799
NGC 6730		Glxy E1	12.2	ESO 72-9 PGC 62796
NGC 6736		Glxy E2	14.3	ESO 104-37 PGC 62792
NGC 6734		Glxy S0-	13.7	ESO 104-36 PGC 62786
IC 4819		Glxy Scd: sp	14.1	ESO 141-27 IRAS 19027-5932 PGC 62782
IC 4815		Glxy S0	14.4	ESO 141-26 PGC 62778
IC 4730		Glxy SB(rs)0+:	14.4	ESO 103-38 IRAS 18339-6323 PGC 62192
IC 4731		Glxy SB(r)0+:	12.5	ESO 103-37 PGC 62187
IC 4724		Glxy	15.1	ESO 71-19 PGC 62183
IC 4736		Glxy SB(s)dm	14.6	ESO 140-34 PGC 62181
IC 4734		Glxy (R')SB(s)ab pec	14.2	ESO 140-33 IRAS 18341-5732 PGC 62175
IC 4728		Glxy SB(rs)ab	14.2	ESO 103-34 IRAS 18333-6234 PGC 62166

## Pavo - The Peacock

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 4727		Glxy S0-:	14	ESO 103-33 PGC 62165
IC 4726		Glxy S0?	14.7	ESO 103-32 PGC 62133
IC 4712		Glxy SA(rs)bc:	13	ESO 71-14 FAIR497 IRAS 18251-7143 PGC 61981
IC 4714		Glxy Scd? sp	15.1	ESO 103-24 PGC 61976
IC 4713		Glxy SBm? sp	14.2	ESO 103-23 IRAS 18247-6715 PGC 61956
IC 4710		Glxy SB(s)m	12.5	ESO 103-22 IRAS 18235-6700 PGC 61922
IC 4705		Glxy SB(s)a? pec	13.3	ESO 71-12 IRAS 18222-7143 PGC 61914
IC 4711		Non-Existent		
IC 4704		Glxy SA0-	13.2	ESO 71-11 PGC 61906
NGC 6614		Glxy SB(s)0-:	13.8	ESO 103-18 PGC 61852
IC 4686		Glxy	14.8	ESO 140-9 FAIR44 PGC 61601
NGC 6545		Glxy E1	14.2	ESO 103-6 PGC 61551
NGC 6502		Glxy SA0-:	13.6	ESO 103-2 PGC 61352
IC 4672		Glxy S	15.3	ESO 102-21 PGC 61307
IC 4662A		Glxy SB(rs)c:	14.5	ESO 102-16 IRAS 17465-6456 PGC 61002
NGC 6403		Glxy SA(rs)0^:	14.3	ESO 139-19 PGC 60750
NGC 6407		Glxy SA0^? pec	12.3	ESO 139-22 PGC 60796

**Sub Total: 287****Total: 287**

## Pegasus - The Winged Horse

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC	5378	Non-Existent		
NGC	32	Non-Existent		
NGC	30	Non-Existent		
IC	5383	Non-Existent		
NGC	7833	Non-Existent		
IC	1	Non-Existent		(STAR)
NGC	18	Non-Existent		
NGC	8	Non-Existent		Double Star ESO 12-11B PGC 648
NGC	7839	Non-Existent		STAR UGC 1553 MCG 1-6-36 CGCG 413-35 KUG 200+45 PGC 539
IC	5153	Non-Existent		(STAR)
NGC	7161	Non-Existent		
IC	1407	Non-Existent		NGC 7148
IC	5127	Non-Existent		
NGC	7084	Non-Existent		
IC	5113	Non-Existent		(STAR)
IC	5112	Non-Existent		(STAR)
IC	1382	Non-Existent		
NGC	7036	Non-Existent		
NGC	7325	Non-Existent		Double Star UGC 1427 MCG 1-6-12 CGCG 413-13 PGC 69291
NGC	7327	Non-Existent		
NGC	7320A	Non-Existent		
NGC	7318	Non-Existent		
NGC	7304	Non-Existent		NGC 7303 PGC 69061 UGC 12065 MCG 5-53-4 CGCG 495-5 IRAS 22292+3042 KAZ293
NGC	7272	Glxy SBa	15	UGC 12028 MCG 3-57-3 CGCG 452-8 PGC 68786
NGC	7253	Non-Existent		NGC 7253A
NGC	7238	Non-Existent		
IC	1432	Non-Existent		
NGC	7468A	Non-Existent		
IC	1465	Non-Existent		(STAR)
IC	5281	Non-Existent		UGC 12319 MCG 4-54-17 MK 1127 CGCG 475-23 IRAS 22596+2647 PGC 70299
IC	5275	Non-Existent		(STAR)
IC	1462	Non-Existent		(STAR)
NGC	7436A	Non-Existent		
NGC	7436B	Non-Existent		
NGC	7374A	Non-Existent		
NGC	7374B	Non-Existent		
IC	1483	Non-Existent		NGC 7638 MCG 2-59-30 CGCG 431-46 KUG 2320+110A PGC 71246
NGC	7627	Non-Existent		
IC	5316	Non-Existent		
IC	5311	Non-Existent		(STAR)
NGC	7607	Non-Existent		
IC	1480	Non-Existent		
IC	5307	Non-Existent		NGC 7594 IC 5306 IC 5307 MCG 2-59-22 CGCG 431-36 PGC 70992
IC	5306	Non-Existent		NGC 7594 IC 5306 IC 5307 MCG 2-59-22 CGCG 431-36 PGC 70992

## Pegasus - The Winged Horse

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 7571		Non-Existent		
IC 5367		Non-Existent		
NGC 7791		Non-Existent		
IC 1512		Non-Existent		(STAR)
IC 1511		Non-Existent		NGC 7767 UGC 12805 MCG 4-56-16 CGCG 477-17 PGC 72601
IC 5336		Non-Existent		
IC 1493		Non-Existent		(STAR)
IC 1497		Non-Existent		
NGC 7674A		Non-Existent		
IC 1488		Non-Existent		NGC 7653 UGC 12586 MCG 2-59-38 CGCG 431-58 IRAS 23223+1500 PGC 71370
IC 5319		Non-Existent		
IC 1486		Non-Existent		NGC 7648 UGC 12575 MCG 1-59-72 MK 531 CGCG 406-96 IRAS 23213+923 PGC 71321 NGC 7639
IC 1485		Non-Existent		NGC 7578A
NGC 7578	H182-3	Non-Existent		
NGC 7574		Non-Existent		
NGC 7569		Non-Existent		
IC 5299		Non-Existent		
NGC 7559		Non-Existent		NGC 7559B
NGC 7555		Non-Existent		
NGC 7553		Non-Existent		
NGC 7504		Non-Existent		
IC 1452		Non-Existent		
IC 5251		Non-Existent		(STAR)
NGC 7350		Non-Existent		
IC 1450		Non-Existent		(STAR)
NGC 7338		Non-Existent		
NGC 7320B		Non-Existent		
NGC 7333		Non-Existent		
NGC 7326		Non-Existent		STAR CGCG 387-7 PGC 69285
IC 1429		Non-Existent		
NGC 7210		Non-Existent		
IC 5166		Non-Existent		(STAR)
IC 5164		Non-Existent		(STAR)
IC 5163		Non-Existent		(STAR)
IC 1424		Non-Existent		(STAR)
NGC 7193		Non-Existent		
NGC 7186	H165-3	Non-Existent		
NGC 7815		Non-Existent		

**Sub Total: 82**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
4ZW 123B		Glxy	16.3	
CGCG 496-15		Glxy Sc	15.5	

## Pegasus - The Winged Horse

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 4		Glxy S?	14	UGC 123 MCG 3-1-29 CGCG 456-40 IRAS 108+1712 PGC 897
CGCG 476-92		Glxy S0	16.4	
CGCG 454-73		Glxy	15.7	
IC 1380		Glxy	15.5	CGCG 375-35 PGC 66779
IC 1395		Glxy C	15.5	CGCG 402-15 PGC 67183
IC 1427		Glxy E	14.7	UGC 11889 MCG 2-56-10 CGCG 428-25 PGC 67948
IC 1425		Glxy	15	CGCG 377-18 PGC 67939
IC 1423		Glxy SBb	14.7	UGC 11883 MCG 1-56-10 CGCG 403-18 PGC 67931
IC 1422		Glxy	15.7	CGCG 377-16 PGC 67922
IC 1420		Glxy SB?	14.1	UGC 11880 MCG 3-56-5 CGCG 451-4 PGC 67900
IC 1418		Glxy S?	14.9	MCG 1-56-9 CGCG 403-16 PGC 67872
IC 1414		Glxy CB	14.9	MCG 1-56-5 CGCG 403-8 PGC 67763
IC 1399		Glxy C	15.5	CGCG 402-19 PGC 67316
IC 1398		Glxy Sc	15.3	MCG 1-55-9 CGCG 402-17 PGC 67306
IC 1487		Glxy SB?	15.3	MCG 2-59-37 CGCG 431-56 PGC 71356
IC 1484		Glxy	15.5	MCG 2-59-32 CGCG 431-50 PGC 71256
IC 1478		Glxy Sb	14.6	UGC 12485 MCG 2-59-23 CGCG 431-38 PGC 70991
IC 1476		Glxy S	15.5	MCG 5-54-51 CGCG 496-60 PGC 70764
IC 1473		Glxy S0	13.9	UGC 12404 MCG 5-54-43 CGCG 496-52 IRAS 23086+2922 PGC 70633
IC 1472		Glxy S0/a	15.2	MCG 3-59-4 CGCG 454-2 PGC 70573
IC 1461		Glxy S?	15.1	
IC 1444		Glxy	15.5	CGCG 404-5 PGC 68665
IC 1428		Glxy	15.6	CGCG 377-21 PGC 67979
IC 1526		Glxy Sc	15.1	CGCG 433-15 PGC 117
IC 1519		Glxy	15.7	CGCG 433-5 PGC 73010
IC 1518		Glxy	15.7	CGCG 433-6 PGC 73011
IC 1513		Glxy S?	15	UGC 12832 MCG 2-60-24 CGCG 432-39 PGC 72773
IC 1508		Glxy Sdm:	13.9	UGC 12773 MCG 2-60-16 CGCG 432-28 IRAS 23433+1147 KARA1036 PGC 72345
IC 1394		Glxy C	15.1	MCG 2-55-6 CGCG 427-11 PGC 67145
NGC 7033		Glxy S?	15.1	MCG 2-54-2 CGCG 426-6 PGC 66228
NGC 7066		Glxy S?	14.8	UGC 11741 MCG 2-54-25 CGCG 426-54 2ZW130 PGC 66747
NGC 7074		Glxy C	15	PGC 66850
NGC 7132		Glxy Sc	14.5	MCG 2-55-13 CGCG 427-24 PGC 67349
NGC 7113		Glxy E	14.9	NGC 7112 PGC 67208 MCG 2-55-9 CGCG 427-16
NGC 7112		Glxy Sab	15.2	UGC 11794 MCG 2-55-10 CGCG 427-14 PGC 67205
NGC 7102		Glxy SB(rs)b?	13.7	UGC 11786 MCG 1-55-8 CGCG 402-13 IRAS 21372+603 PGC 67120
NGC 7101		Glxy		PGC 67112
NGC 7100		Glxy C	14.7	MCG 1-55-7 CGCG 402-12 PGC 67118
NGC 7094		PI Neb 4	13.6	Kohoutek 1-19 PK 66-28.1 PNG 66.7-28.2
NGC 7085		Glxy Sc	15.1	MCG 1-55-1 CGCG 402-2 KARA919 PGC 66926
NGC 7078		Globular	6.3	M 15
NGC 7224		Glxy E	14.2	UGC 11940 MCG 4-52-4 CGCG 473-6 PGC 68242
NGC 7217	H207-2	Glxy (R)SA(r)ab	11	UGC 11914 MCG 5-52-1 CGCG 494-2 IRAS 22056+3106 KARA947 PGC 68096
NGC 7212		Glxy S?	14.8	UGC 11910 MCG 2-56-11 CGCG 428-32 IRAS 22045+959 PGC 68065
NGC 7207		Glxy		PGC 68017

## Pegasus - The Winged Horse

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 7206		Glxy S0:	14.3	UGC 11904 MCG 3-56-7 CGCG 451-6 PGC 68014
NGC 7195		Glxy	15.7	MCG 2-56-9 CGCG 428-22 PGC 67940
NGC 7194		Glxy E	14.1	UGC 11888 MCG 2-56-8 CGCG 428-24 IRAS 22011+1224 PGC 67945
NGC 7190		Glxy SB0	14.8	UGC 11885 CGCG 428-19 PGC 67928
NGC 7177	H247-2	Glxy SAB(r)b	12	UGC 11872 MCG 3-56-3 CGCG 451-2 PGC 67823
NGC 7275		Glxy Sa	15.2	UGC 12025 MCG 5-52-19 CGCG 494-25 PGC 68774
NGC 7271		Glxy L	15.6	MCG 5-52-16 CGCG 494-22 PGC 68753
NGC 7270		Glxy S?	14.9	UGC 12019 MCG 5-52-15 CGCG 494-21 IRAS 22215+3209 PGC 68748
NGC 7253B		Glxy S?	15	UGC 11985 MCG 5-52-11 CGCG 494-14 VV 242 ARP 278 PGC 68573
NGC 7253A		Glxy SB?	14.4	UGC 11984 MCG 5-52-10 CGCG 494-14 VV 242 ARP 278 PGC 68572
NGC 7244		Glxy S?	14.3	MCG 3-56-21 MK 303 CGCG 451-25 PGC 68468
NGC 7241		Glxy SB(s)bc? pec	13.4	UGC 11968 MCG 3-56-20 CGCG 451-24 2ZW174 PGC 68442
NGC 7237		Glxy SA0-	14.4	UGC 11958 MCG 2-56-24 CGCG 428-58 2ZW172 ARP 169 PGC 68383
NGC 7236		Glxy SA0-	14.6	UGC 11958 MCG 2-56-23 CGCG 428-58 2ZW172 ARP 169 PGC 68384
NGC 7159		Glxy	15.2	CGCG 428-3 PGC 67674
NGC 7156	H452-3	Glxy SAB(rs)cd:	13.1	UGC 11843 MCG 0-55-29 CGCG 376-53 IRAS 21520+242 KARA935 PGC 67622
NGC 7149		Glxy E	14.1	UGC 11835 MCG 0-55-26 CGCG 376-47 PGC 67524
NGC 7148		Glxy C	15.1	CGCG 376-48 2ZW152 PGC 67538
NGC 7147		Glxy SB(s)0+:	14.5	MCG 0-55-25 CGCG 376-45 PGC 67518
NGC 7146		Glxy SAB(s)ab:	15.1	MCG 0-55-24 CGCG 376-44 PGC 67508
NGC 7138		Glxy SBa	15.1	UGC 11817 MCG 2-55-14 CGCG 427-25 KARA932 PGC 67406
NGC 7137	H261-2	Glxy SAB(rs)c	13.1	UGC 11815 MCG 4-51-5 CGCG 472-8 PGC 67379
NGC 7286		Glxy S0/a	13.5	UGC 12043 MCG 5-53-2 CGCG 495-2 KAZ289 PGC 68922
NGC 7283		Glxy S?	15.3	MCG 3-57-12 CGCG 452-17 PGC 68946
NGC 7280	H248-2	Glxy SAB(r)0+	13	UGC 12035 MCG 3-57-5 CGCG 452-11 PGC 68870
NGC 7068		Glxy Sc	14.9	MCG 2-54-27 CGCG 426-55 IRAS 21241+1158 KAZ520 PGC 66765
NGC 7056		Glxy SBb	13.8	UGC 11734 MCG 3-54-8 CGCG 449-19 IRAS 21198+1827 KARA911 PGC 66641
NGC 7034		Glxy E	14.8	UGC 11687 MCG 2-54-3 CGCG 426-7 PGC 66227
NGC 7042	H209-3	Glxy Sb	12.8	UGC 11702 MCG 2-54-13 CGCG 426-23 IRAS 21113+1321 PGC 66378
NGC 7053		Glxy S?	14	UGC 11727 MCG 4-50-9 CGCG 471-8 2ZW124 IRAS 21188+2252 PGC 66610
NGC 7043		Glxy SBa:	14.6	UGC 11704 MCG 2-54-14 CGCG 426-24 PGC 66385
NGC 7321	H237-3	Glxy SB(r)b	13.7	UGC 12103 MCG 3-57-21 CGCG 452-31 IRAS 22340+2121 PGC 69287
NGC 7320C		Glxy (R)SAB(s)0/a	16.7	MCG 6-49-43 PGC 69279
NGC 7320		Glxy SA(s)d	13.2	Stephan's Quintet UGC 12101 MCG 6-49-42 CGCG 514-63 VV 288 ARP 319 Hickson 92A PGC 69270
NGC 7319		Glxy SB(s)bc pec	13.1	Stephan's Quintet UGC 12102 MCG 6-49-41 CGCG 514-64 VV 288 ARP 319 IRAS 22337+3342 Hickson 92C PGC 69269
NGC 7318B		Glxy SB(s)bc pec	13.9	Stephan's Quintet UGC 12099 MCG 6-49-40 CGCG 514-62 VV 288 ARP 319 Hickson 92B PGC 69263
NGC 7318A		Glxy E2 pec	14.3	Stephan's Quintet UGC 12100 MCG 6-49-39 CGCG 514-61 ARAK560 VV 288 ARP 319 Hickson 92D PGC 69260
NGC 7317		Glxy E4	13.6	Stephan's Quintet MCG 6-49-38 CGCG 514-60 VV 288 ARP 319 Hickson 92E PGC 69256
NGC 7316	H180-3	Glxy S	13.6	UGC 12098 MCG 3-57-20 MK 307 CGCG 452-30 IRAS 22335+2003 KARA974 PGC 69259
NGC 7315		Glxy S0	13.5	UGC 12097 MCG 6-49-37 CGCG 514-59 PGC 69241
NGC 7353		Glxy Sbc	14.2	UGC 12134 MCG 2-57-8 CGCG 429-18 ANON 2237+11 PGC 69429
NGC 7348		Glxy Scd:	14.5	UGC 12142 MCG 2-57-10 CGCG 429-20 IRAS 22381+1138 KAZ546 PGC 69463
NGC 7347		Glxy S?	14.6	UGC 12136 MCG 2-57-9 CGCG 429-19 IRAS 22374+1045 PGC 69443

## Pegasus - The Winged Horse

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 7346		Glxy E	15.6	CGCG 429-17 PGC 69430
NGC 7345		Glxy Sa	15.2	UGC 12130 MCG 6-49-64 CGCG 514-83 IRAS 22364+3514 PGC 69401
NGC 7343		Glxy (R')SB(s)bc:	14.4	UGC 12129 MCG 6-49-59 CGCG 514-82 IRAS 22363+3348 PGC 69391
NGC 7342		Glxy SBa	14.8	UGC 12126 MCG 6-49-54 CGCG 514-76 PGC 69374
NGC 7340		Glxy E?	14.7	MCG 6-49-52 CGCG 514-75 PGC 69362
NGC 7339	H234-2	Glxy SAB(s)bc:?	13.1	UGC 12122 MCG 4-53-9 CGCG 474-13 PGC 69364
NGC 7753	H213-2	Glxy SAB(rs)bc	12.8	UGC 12780 MCG 5-56-5 CGCG 498-10 ARAK585 VV 5 ARP 86 IRAS 23445+2911 PGC 72387
NGC 7752		Glxy I0:	15	UGC 12779 MCG 5-56-4 MK 1134 CGCG 498-9 ARAK585 4ZW165 VV 5 ARP 86 PGC 72382
NGC 7747		Glxy (R')SB(s)b	14.4	UGC 12772 MCG 4-56-5 CGCG 477-3 PGC 72328
NGC 7745		Glxy E	15.5	MCG 4-56-4 PGC 72299
NGC 7743	H256-2	Glxy (R)SB(s)0+	12.4	UGC 12759 MCG 2-60-11 CGCG 432-22 IRAS 23417+939 PGC 72263
NGC 7742	H255-2	Glxy SA(r)b	12.4	UGC 12760 MCG 2-60-10 CGCG 432-23 IRAS 23417+1029 PGC 72260
NGC 7741	H208-2	Glxy SB(s)cd	11.8	UGC 12754 MCG 4-55-50 CGCG 476-125 IRAS 23413+2547 PGC 72237
NGC 7740		Glxy E	15.5	CGCG 476-122 PGC 72200
NGC 7737		Glxy S0/a	14.8	UGC 12745 MCG 4-55-48 CGCG 476-118 PGC 72182
NGC 7735		Glxy E	14.6	UGC 12744 MCG 4-55-46 CGCG 476-115 PGC 72165
NGC 7729		Glxy Sa	14.4	UGC 12730 MCG 5-55-46 CGCG 497-47 PGC 72083
NGC 7728		Glxy E	14.1	UGC 12727 MCG 4-55-41 CGCG 476-103 PGC 72064
NGC 7726		Glxy SB(s)b	15	MCG 4-55-39 CGCG 476-92 PGC 71991
NGC 7722		Glxy S0/a	13.4	UGC 12718 MCG 3-60-17 CGCG 455-35 IRAS 23361+1540 PGC 71993
NGC 7720	H146-3	Glxy E+ pec:	12.3	UGC 12716 MCG 4-55-36 CGCG 476-91 PGC 71985
NGC 7718		Glxy S?	15	UGC 12712 MCG 4-55-34 CGCG 476-82 PGC 71959
NGC 7712		Glxy E?	13.7	UGC 12694 MCG 4-55-30 CGCG 476-73 IRAS 23333+2320 KARA1028 PGC 71850
NGC 7711	H244-2	Glxy S0	13.1	UGC 12691 MCG 2-60-4 CGCG 432-7 PGC 71836
NGC 7703		Glxy S0	14.4	UGC 12676 MCG 3-60-4 CGCG 455-16 PGC 71797
NGC 7698		Glxy S0	14.3	UGC 12668 MCG 4-55-29 CGCG 476-69 VV 400 PGC 71762
NGC 7691	H213-3	Glxy SAB(rs)bc	13.7	UGC 12654 MCG 3-60-1 CGCG 455-9 IRAS 23299+1534 PGC 71699
NGC 7688		Glxy S0	15.6	CGCG 455-4 CGCG 454-80 KAZ340 PGC 71648
NGC 7683		Glxy S0	13.6	UGC 12623 MCG 2-59-48 CGCG 431-74 KARA1020 PGC 71565
NGC 7681	H242-2	Glxy S0 <sup>^</sup> : sp	15.4	MCG 3-59-60 CGCG 454-72 ANON 2326+17 PGC 71542
NGC 7680	H860-3	Glxy S0-:	13.7	UGC 12616 MCG 5-55-23 CGCG 497-25 4ZW151 PGC 71541
NGC 7678	H226-2	Glxy SAB(rs)c	12.4	UGC 12614 MCG 4-55-17 CGCG 476-45 VV 359 ARP 28 IRAS 23259+2208 KAZ336 PGC 71534
NGC 7677		Glxy SAB(r)bc:	13.9	UGC 12610 MCG 4-55-15 MK 326 CGCG 476-43 VV 619 IRAS 23256+2315 KUG 2325+232 PGC 71517
NGC 7675		Glxy SAB(s)0-:	16	MCG 1-59-83 ARP 182 Hickson 96B PGC 71518
NGC 7674		Glxy SA(r)bc pec	13.9	UGC 12608 MCG 1-59-80 MK 533 CGCG 406-112 VV 343 ARP 182 IRAS 23254+830 Hickson 96A PGC 71504
NGC 7673		Glxy (R')SAc? pec	13.2	UGC 12607 MCG 4-55-14 MK 325 CGCG 476-42 4ZW149 VV 619 IRAS 23252+2318 PGC 71493
NGC 7672		Glxy Sb	14.7	MCG 2-59-45 CGCG 431-70 IRAS 23249+1206 KAZ568 PGC 71485
NGC 7671	H226-3	Glxy SA0:	13.8	UGC 12602 MCG 2-59-44 CGCG 431-69 PGC 71478
NGC 7664		Glxy Sc:	13.4	UGC 12598 MCG 4-55-13 CGCG 476-38 IRAS 23241+2448 KARA1019 PGC 71450
NGC 7660		Glxy E	13.8	UGC 12594 MCG 4-55-12 CGCG 476-35 PGC 71413
NGC 7659	H212-3	Glxy S0/a	15	UGC 12595 MCG 2-59-40 CGCG 431-64 PGC 71417
NGC 7653		Glxy Sb	12.6	IC 1488 UGC 12586 MCG 2-59-38 CGCG 431-58 IRAS 23223+1500 PGC 71370

## Pegasus - The Winged Horse

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 7651		Glxy cD	13.5	MCG 2-59-36 CGCG 431-55 PGC 71344
NGC 7649		Glxy E	15	PGC 71343 UGC 12579 MCG 2-59-35 CGCG 431-54
NGC 7648	H218-3	Glxy S0	13.8	IC 1486 PGC 71321 UGC 12575 MCG 1-59-72 MK 531 CGCG 406-96 IRAS 23213+923
NGC 7647	H473-3	Glxy E	14.6	UGC 12576 MCG 3-59-55 CGCG 454-63 PGC 71335
NGC 7644		Glxy	14.4	
NGC 7643		Glxy S?	14.1	PGC 71261 UGC 12563 MCG 2-59-33 CGCG 431-51
NGC 7641		Glxy		PGC 71241 UGC 12556 MCG 2-59-29 CGCG 431-47
NGC 7639		Glxy E/S0	15.6	IC 1485 PGC 71256 MCG 2-59-32 CGCG 431-50
NGC 7638		Glxy S	15.4	IC 1483 PGC 71246 MCG 2-59-30 CGCG 431-46 KUG 2320+110A
NGC 7634	H441-2	Glxy SB0	13.6	UGC 12542 MCG 1-59-62 CGCG 406-85 PGC 71192
NGC 7631		Glxy SA(r)b:	13.9	UGC 12539 MCG 1-59-60 CGCG 406-83 PGC 71181
NGC 7630		Glxy S?	15.2	UGC 12540 MCG 2-59-27 CGCG 431-44 KAZ551 PGC 71176
NGC 7628		Glxy E	13.7	UGC 12534 MCG 4-55-5 CGCG 476-14 PGC 71153
NGC 7626	H440-2	Glxy E pec:	11.1	UGC 12531 MCG 1-59-57 CGCG 406-76 PGC 71140
NGC 7625	H250-2	Glxy SA(rs)a pec	12.8	UGC 12529 MCG 3-59-38 CGCG 454-43 3ZW102 VV 280 ARP 212 IRAS 23179+1657 PGC 71133
NGC 7624		Glxy Scd:	13.8	UGC 12527 MCG 4-55-4 MK 323 CGCG 476-12 IRAS 23179+2702 KUG 2317+270 PGC 71126
NGC 7623	H435-3	Glxy SA0 <sup>^</sup> :	13.9	UGC 12526 MCG 1-59-56 CGCG 406-75 PGC 71132
NGC 7621		Glxy S	15.7	MCG 1-59-55 CGCG 406-74 PGC 71129
NGC 7620		Glxy Scd:	13.6	UGC 12520 MK 321 CGCG 476-8 IRAS 23176+2356 KUG 2317+239 PGC 71106
NGC 7619	H439-2	Glxy E	11	UGC 12523 MCG 1-59-52 CGCG 406-73 PGC 71121
NGC 7616		Glxy		PGC 71073
NGC 7615		Glxy Sb?	14.3	MCG 1-59-51 CGCG 406-70 PGC 71097
NGC 7612		Glxy S0	13.7	UGC 12512 MCG 1-59-50 CGCG 406-68 IRAS 23170+820 PGC 71089
NGC 7610		Glxy Scd:	13.4	NGC 7616 PGC 71087 UGC 12511 MCG 2-59-25 CGCG 431-42 IRAS 23171+954 KUG 2317+99B
NGC 7505		Glxy	15.6	CGCG 431-9 PGC 70636
NGC 7500		Glxy S0	14.3	UGC 12399 MCG 2-59-4 CGCG 431-8 PGC 70620
NGC 7497	H203-3	Glxy SB(s)d	13	UGC 12392 MCG 3-59-2 CGCG 454-3 IRAS 23065+1754 PGC 70569
NGC 7495		Glxy SAB(s)c	13.7	UGC 12391 MCG 2-59-3 CGCG 431-6 IRAS 23064+1146 PGC 70566
NGC 7490		Glxy Sbc	13.1	UGC 12379 MCG 5-54-36 CGCG 496-44 IRAS 23050+3206 PGC 70526
NGC 7489		Glxy Sd	14	UGC 12378 MCG 4-54-28 CGCG 475-38 IRAS 23050+2243 PGC 70532
NGC 7487		Glxy Compact	14.3	UGC 12368 MCG 5-54-35 CGCG 496-43 PGC 70496
NGC 7486		Glxy		PGC 70478
NGC 7485		Glxy S0	14.1	UGC 12360 MCG 6-50-22 CGCG 515-24 PGC 70470
NGC 7479	H55-1	Glxy SB(s)c	11.6	UGC 12343 MCG 2-58-60 CGCG 430-58 IRAS 23024+1203 KARA1004 PGC 70419
NGC 7475		Glxy Double System	14.7	UGC 12337 MCG 3-58-27 CGCG 453-59 PGC 70383
NGC 7474		Glxy L	15.1	MCG 3-58-26 CGCG 453-58 PGC 70379
NGC 7473		Glxy SB0	14.7	UGC 12335 MCG 5-54-30 CGCG 496-38 PGC 70373
NGC 7469	H230-3	Glxy (R')SAB(rs)a	13	UGC 12332 MCG 1-58-25 CGCG 405-26 ARP 298 IRAS 23007+836 PGC 70348
NGC 7468	H202-3	Glxy E3: pec	14.2	UGC 12329 MK 314 CGCG 453-52 IRAS 23004+1619 KUG 2300+163 PGC 70332
NGC 7467		Glxy E/S0	15.6	MCG 2-58-57 CGCG 430-53 PGC 70310
NGC 7466		Glxy Sb	14.4	IC 5281 PGC 70299 UGC 12319 MCG 4-54-17 MK 1127 CGCG 475-23 IRAS 22596+2647
NGC 7465	H211-3	Glxy (R')SB(s)0 <sup>^</sup> :	12.6	UGC 12317 MCG 3-58-24 MK 313 CGCG 453-50 IRAS 22595+1541 KUG 2259+156 PGC 70295

## Pegasus - The Winged Horse

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 7464		Glxy E1 pec:	14.3	UGC 12315 MCG 3-58-23 CGCG 453-49 ARAK573 KUG 2259+157B PGC 70292
NGC 7463	H210-3	Glxy SABb: pec	13.8	UGC 12316 MCG 3-58-22 CGCG 453-48 ARAK573 KUG 2259+157A PGC 70291
NGC 7461		Glxy SB0	14.3	UGC 12314 MCG 2-58-56 CGCG 430-51 PGC 70290
NGC 7457	H212-2	Glxy SA(rs)0-?	12.1	UGC 12306 MCG 5-54-26 CGCG 496-32 PGC 70258
NGC 7454	H249-2	Glxy E4	11.8	UGC 12305 MCG 3-58-20 CGCG 453-45 PGC 70264
NGC 7451		Glxy SBbc	14.8	UGC 12299 MCG 1-58-20 CGCG 405-22 IRAS 22581+811 KARA1002 PGC 70245
NGC 7448	H251-2	Glxy SA(rs)bc	11.6	UGC 12294 MCG 3-58-18 CGCG 453-42 ARP 13 IRAS 22575+1542 KUG 2257+157 PGC 70213
NGC 7442		Glxy SAc:	13.9	UGC 12286 MCG 2-58-45 CGCG 430-42 IRAS 22569+1516 PGC 70183
NGC 7439		Glxy SB0	15	UGC 12273 MCG 5-54-21 CGCG 496-27 PGC 70134
NGC 7437		Glxy SAB(rs)d	13.9	UGC 12270 MCG 2-58-41 CGCG 430-34 PGC 70131
NGC 7436	H243-3	Glxy E	13.8	UGC 12269 MCG 4-54-6 CGCG 475-8 VV 84 KAZ316 PGC 70124
NGC 7435		Glxy SB(s)a	15.1	UGC 12267 MCG 4-54-4 CGCG 475-7 PGC 70116
NGC 7433		Glxy S0/a	14	MCG 4-54-5 CGCG 475-8 VV 84 KAZ316 PGC 70123
NGC 7432	H465-3	Glxy E	14.4	UGC 12268 MCG 2-58-40 CGCG 430-33 PGC 70129
NGC 7431		Glxy S?	15.7	MCG 4-54-3 CGCG 475-6 VV 84 PGC 70112
NGC 7430		Glxy S	15.3	MCG 1-58-17 CGCG 405-19 ARAK571 PGC 70106
NGC 7427		Glxy Compact	15.2	MCG 1-58-16 MK 521 CGCG 405-18 PGC 70091
NGC 7420		Glxy S?	14.9	MCG 5-54-18 CGCG 496-23 KARA998 PGC 70017
NGC 7415		Glxy Sab	15.5	UGC 12244 MCG 3-58-12 CGCG 453-23 PGC 69985
NGC 7414		Glxy		PGC 70008
NGC 7413		Glxy S0- pec:	15.1	MCG 2-58-35 CGCG 430-29 PGC 69997
NGC 7411		Glxy E:	14.4	UGC 12241 MCG 3-58-10 CGCG 453-20 PGC 69974
NGC 7409		Glxy E	15.6	CGCG 453-18 PGC 69939
NGC 7407		Glxy Sbc	13.9	UGC 12230 MCG 5-54-2 CGCG 496-5 CGCG 495-42 IRAS 22510+3151 PGC 69922
NGC 7405		Glxy Sc		PGC 69907
NGC 7390		Glxy S0?	15.1	MCG 2-58-20 CGCG 430-20 PGC 69837
NGC 7389		Glxy SB0	14.8	MCG 2-58-19 CGCG 430-18 PGC 69836
NGC 7388		Glxy		PGC 69832
NGC 7387		Glxy S0-:	15	MCG 2-58-22 CGCG 430-19 PGC 69834
NGC 7386	H217-3	Glxy SA0:	12.3	UGC 12209 MCG 2-58-18 CGCG 430-16 PGC 69825
NGC 7385	H216-3	Glxy E pec:	12	UGC 12207 MCG 2-58-17 CGCG 430-15 PGC 69824
NGC 7384		Glxy		PGC 69819
NGC 7383		Glxy SB0	13.7	MCG 2-58-14 CGCG 430-12 PGC 69809
NGC 7376		Glxy SB0+:	15.4	CGCG 379-6 PGC 69715
NGC 7375		Glxy S(r)0	14.9	MCG 3-58-3 CGCG 453-7 PGC 69695
NGC 7374		Glxy S?	14.7	MCG 2-58-7 CGCG 430-6 PGC 69676
NGC 7373		Glxy SAB(s)0^?	14.6	CGCG 379-4 PGC 69688
NGC 7372		Glxy S?	14.4	MCG 2-58-5 CGCG 430-4 PGC 69670
NGC 7370		Glxy		PGC 69662
NGC 7369		Glxy S?	14.6	MCG 6-49-80 CGCG 514-104 CGCG 515-2 4ZW113 PGC 69619
NGC 7367		Glxy Sab:	14.7	UGC 12175 MCG 0-58-2 CGCG 379-3 KARA984 PGC 69633
NGC 7366		Glxy S	15.5	MCG 2-58-4 PGC 69629
NGC 7363		Glxy SAB(s)d:	14.4	MCG 6-49-78 CGCG 514-102 IRAS 22409+3344 PGC 69580
NGC 7362		Glxy E:	13.8	UGC 12171 MCG 1-58-2 CGCG 405-3 PGC 69602

## Pegasus - The Winged Horse

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 7360		Glxy S?	14.6	UGC 12167 MCG 1-58-1 CGCG 404-36 CGCG 405-2 PGC 69591
NGC 7357		Glxy Sb	14.8	UGC 12162 MCG 5-53-11 CGCG 495-16 IRAS 22400+2954 PGC 69544
NGC 7356		Glxy Sbc	14.9	UGC 12159 MCG 5-53-10 CGCG 495-14 PGC 69530
NGC 7337		Glxy SB(rs)b	15.2	UGC 12120 MCG 6-49-50 CGCG 514-71 PGC 69344
NGC 7336		Glxy S	16.8	MCG 6-49-49 PGC 69337
NGC 7335	H166-3	Glxy SA(rs)0+	14.4	UGC 12116 MCG 6-49-47 CGCG 514-69 PGC 69338
NGC 7332	H233-2	Glxy S0 pec sp	12	UGC 12115 MCG 4-53-8 CGCG 474-12 PGC 69342
NGC 7331	H53-1	Glxy SA(s)b	9.4	UGC 12113 MCG 6-49-45 CGCG 514-68 PGC 69327
NGC 7328		Glxy Sab	14	UGC 12118 MCG 2-57-7 CGCG 429-15 IRAS 22349+1016 KARA976 PGC 69349
NGC 7324		Glxy E	15	MCG 3-57-26 CGCG 452-36 KAZ228 PGC 69321
NGC 7323		Glxy Sb	13.7	UGC 12108 MCG 3-57-25 CGCG 452-34 IRAS 22344+1853 PGC 69311
QSO 2237+030		Glxy Quasar	16.8	Quasar Einstein's Cross
PGC 73074		Glxy S	17.1	MCG 3-1-7 CGCG 456-7
PGC 73052		Glxy L	14.8	MCG 3-1-5 CGCG 456-7
PGC 72978		Glxy S	15.6	MCG 3-1-3 VV 255 ARP 262
PGC 72977		Glxy IB(s)m	14.2	UGC 12856 MCG 3-1-4 CGCG 456-4 VV 255 ARP 262
PGC 72751		Glxy	15.5	CGCG 477-27
PGC 72723		Glxy	16.5	KUG 2350+273
PGC 72716		Glxy SB0	15	UGC 12823 MCG 4-56-20 CGCG 477-25
PGC 72685		Glxy	15.6	CGCG 498-23
PGC 72665		Glxy	15.7	CGCG 477-24
PGC 72647		Glxy		
PGC 72640		Glxy C	15.6	CGCG 477-23
PGC 72628		Glxy C	15.6	CGCG 477-21
PGC 72609		Glxy		
PGC 72608		Glxy		
PGC 72607		Glxy S?	15.6	MCG 4-56-19 CGCG 477-20
PGC 72606		Glxy		
PGC 72600		Glxy Spiral	15	MCG 4-56-14 CGCG 477-16
PGC 72581		Glxy		
PGC 72506		Glxy SBb	14.6	UGC 12792 MCG 4-56-12 CGCG 477-13 IRAS 23464+2630
PGC 72346		Glxy Sd	15.3	MCG 4-56-6 CGCG 477-5
PGC 72341		Glxy C	15.6	CGCG 477-4
PGC 72273		Glxy L	15.5	MCG 4-56-1
PGC 72216		Glxy	14.9	CGCG 476-123
PGC 72189		Glxy S0/a	15	CGCG 476-120
PGC 72188		Glxy Sc	15.1	UGC 12746 MCG 4-55-49 CGCG 476-119 IRAS 23402+2701
PGC 72179		Glxy S?	15.2	MCG 4-55-47 CGCG 476-117
PGC 72169		Glxy	15.6	CGCG 476-116
PGC 72027		Glxy		
PGC 72000		Glxy		
PGC 71999		Glxy E	14.8	CGCG 476-96
PGC 71995		Glxy S0/a	15.4	UGC 12719 CGCG 476-93
PGC 71994		Glxy	15.5	CGCG 476-95
PGC 71988		Glxy I?	15.2	CGCG 476-89

## Pegasus - The Winged Horse

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 71987		Glxy E	15.3	CGCG 476-90
PGC 71986		Glxy I?	15.7	MCG 4-55-38 CGCG 476-88
PGC 71978		Glxy C	15.6	CGCG 476-84
PGC 71977		Glxy C	15.6	CGCG 476-85
PGC 71976		Glxy S?	15.3	CGCG 476-86
PGC 71958		Glxy	15.4	CGCG 476-83
PGC 71946		Glxy S	15.5	MCG 4-55-33
PGC 71945		Glxy	15.5	CGCG 476-81
PGC 71927		Glxy S0	15.5	MCG 4-55-32 CGCG 476-80
PGC 71923		Glxy C	15.5	CGCG 476-79
PGC 71897		Glxy S	15.6	UGC 12708 CGCG 476-77
PGC 71849		Glxy S0	15.2	MCG 3-60-11 CGCG 455-24
PGC 71753		Glxy Scd:	13.5	UGC 12667 MCG 5-55-38 CGCG 497-40 IRAS 23313+2946
PGC 71748		Glxy S	15	UGC 12665 MCG 5-55-36 CGCG 497-38 VV 314 ARP 46 ANON 2331+29
PGC 71746		Glxy Sc	15.3	UGC 12664 CGCG 432-3
PGC 71641		Glxy	15.7	CGCG 455-3 CGCG 454-79
PGC 71542		Glxy S0/a	15.4	CGCG 454-72 MCG +3-59-60
PGC 71525		Glxy S0	15.4	MCG 5-55-22 CGCG 497-24
PGC 71513		Glxy S?	15.2	MCG 5-55-21 CGCG 497-23
PGC 71507		Glxy S	17.1	ARP 182 Hickson 96D
PGC 71506		Glxy S	15.6	CGCG 406-113 KUG 2325+86
PGC 71505		Glxy S?	15.4	MCG 1-59-81 CGCG 406-114 VV 343 ARP 182 Hickson 96C
PGC 71398		Glxy	15.5	CGCG 431-63
PGC 71386		Glxy S0/a	15.4	UGC 12590 CGCG 431-61
PGC 71374		Glxy	15.4	CGCG 406-101
PGC 71371		Glxy L	15.6	MCG 1-59-76 CGCG 406-100
PGC 71359		Glxy SBab	15	UGC 12581 MCG 1-59-74 CGCG 406-98
PGC 71355		Glxy SB?	15.1	UGC 12582 MCG 3-59-56 CGCG 454-64
PGC 71342		Glxy		
PGC 71337		Glxy		
PGC 71332		Glxy		
PGC 71331		Glxy		
PGC 71330		Glxy		
PGC 71327		Glxy E		
PGC 71326		Glxy		
PGC 71324		Glxy		
PGC 71323		Glxy Sc	15.6	MCG 3-59-53 CGCG 454-62
PGC 71322		Glxy		
PGC 71320		Glxy		
PGC 71319		Glxy		
PGC 71317		Glxy		
PGC 71315		Glxy		
PGC 71299		Glxy		
PGC 71260		Glxy Sc-Irr	15.9	UGC 12562 MCG 2-59-31 KUG 2320+114
PGC 71255		Glxy	15.7	CGCG 431-49

## Pegasus - The Winged Horse

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 71200		Glxy IB(s)m	14.6	UGC 12544 MCG 1-59-64 CGCG 406-88 KUG 2319+88
PGC 71197		Glxy S?	15.4	MCG 1-59-63 CGCG 406-86
PGC 71102		Glxy SB?	14.3	UGC 12519 MCG 3-59-37 CGCG 454-40 IRAS 23175+1540
PGC 71091		Glxy LB	15.6	CGCG 406-69
PGC 71085		Glxy Dwarf?	14	UGC 12510
PGC 71080		Glxy S?	16	MCG 1-59-48 CGCG 406-67 ARP 150 Hickson 95B
PGC 71078		Glxy Scd:	15.2	UGC 12506 MCG 3-59-36 CGCG 454-39 IRAS 23170+1548
PGC 71074		Glxy S	17	MCG 1-59-46 ARP 150 Hickson 95D
PGC 71054		Glxy S	15.5	MCG 1-59-43 CGCG 406-63
PGC 70985		Glxy	15.7	CGCG 406-51 KUG 2315+93
PGC 70978		Glxy	15.8	MCG 1-59-36 CGCG 406-50
PGC 70949		Glxy Spiral	15.6	MCG 3-59-26 CGCG 454-23
PGC 70943		Glxy S?	16.2	Hickson 94C
PGC 70941		Glxy L	18.4	Hickson 94G
PGC 70939		Glxy E	18.2	Hickson 94F
PGC 70937		Glxy S	17.7	Hickson 94E ARP 170
PGC 70936		Glxy S0?	16.4	Hickson 94D ARP 170
PGC 70935		Glxy Sc	15.5	MCG 5-54-58 CGCG 496-74
PGC 70905		Glxy	15.5	MCG 2-59-17
PGC 70904		Glxy SB	15.7	CGCG 454-20
PGC 70902		Glxy S?	15.5	MCG 3-59-22 CGCG 454-19 IRAS 23141+1537
PGC 70896		Glxy S	14.6	MCG 2-59-16
PGC 70890		Glxy	15.7	CGCG 431-30
PGC 70889		Glxy S?	15.6	MCG 3-59-20 CGCG 454-17
PGC 70878		Glxy S	16	KUG 2313+127
PGC 70848		Glxy Sb-c	15.4	UGC 12459 CGCG 475-53
PGC 70842		Glxy E?	15.7	CGCG 454-15 Hickson 93D
PGC 70816		Glxy	15.7	CGCG 496-69
PGC 70798		Glxy	15.5	CGCG 496-66
PGC 70797		Glxy SB(rs)bc: pec	15.3	CGCG 431-24
PGC 70775		Glxy C	15.3	CGCG 496-62
PGC 70758		Glxy S	15.6	MCG 5-54-50
PGC 70734		Glxy Sd	14.8	UGC 12430 MCG 5-54-49 CGCG 496-58
PGC 70727		Glxy	16	4ZW138
PGC 70710		Glxy	16	KUG 2310+125
PGC 70695		Glxy Pec	15.4	UGC 12416 MK 526 CGCG 431-14 ANON 2310+10 KUG 2310+104
PGC 70692		Glxy C	16	MK 927 CGCG 496-55 4ZW135
PGC 70672		Glxy C	17.5	KUG 2309+132
PGC 70664		Glxy Scd:	16.6	UGC 12410 MCG 5-54-44 IRAS 23093+3045
PGC 70659		Glxy	16.5	KUG 2309+125
PGC 70637		Glxy SB:c	15.6	UGC 12403
PGC 70596		Glxy Im	15.6	MCG 3-59-5 UGC A436
PGC 70570		Glxy L	14.9	MCG 3-59-3
PGC 70562		Glxy S0	15.5	UGC 12390 MCG 4-54-29
PGC 70552		Glxy Sb	15.5	MCG 3-59-1

## Pegasus - The Winged Horse

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 70540		Glxy	15.6	CGCG 406-1
PGC 70537		Glxy SBb/Sb	15.2	UGC 12383 CGCG 475-40
PGC 70535		Glxy Sc	15.3	UGC 12380 CGCG 430-66 CGCG 431-3
PGC 70525		Glxy S?	15.7	MCG 4-54-27 CGCG 475-37
PGC 70512		Glxy S?	15.2	MCG 1-58-32 CGCG 405-34
PGC 70507		Glxy Sc	15.2	UGC 12370 MCG 2-58-65 CGCG 430-63 KARA1005
PGC 70489		Glxy	16.5	MK 1129
PGC 70483		Glxy SBbc	16.4	MCG 2-58-64
PGC 70482		Glxy Irr	16.1	UGC 12361
PGC 70477		Glxy S?	14.5	UGC 12359 MCG 2-58-63
PGC 70467		Glxy Sc	15.1	UGC 12354 MCG 2-58-62 CGCG 430-60 KUG 2303+140
PGC 70463		Glxy Sb-c	16.5	UGC 12358
PGC 70434		Glxy Sb	15.4	MCG 2-58-61 CGCG 430-59
PGC 70382		Glxy L	15.4	UGC 12337 MCG 3-58-28 CGCG 453-59
PGC 70376		Glxy	15.5	CGCG 453-57
PGC 70375		Glxy S	17	KUG 2301+149
PGC 70354		Glxy	15.8	CGCG 453-55
PGC 70353		Glxy C	15.7	CGCG 453-56
PGC 70349		Glxy SBb	15.2	UGC 12333 MCG 3-58-25 CGCG 453-54
PGC 70342		Glxy	15.7	CGCG 453-53
PGC 70320		Glxy S	16	UGC 12322
PGC 70307		Glxy Sb-c	15.7	UGC 12321 CGCG 453-51 KUG 2259+157C
PGC 70285		Glxy Dwarf	17.2	UGC 12313 MCG 3-58-21
PGC 70251		Glxy	17.2	3ZW91
PGC 70244		Glxy S?	16	MK 312 ANON 2258+16 KUG 2258+160
PGC 70233		Glxy	17	MK 522 ANON 2257+16 KUG 2257+161
PGC 70231		Glxy C	15.5	CGCG 453-43
PGC 70211		Glxy SB	15.1	MCG 2-58-47
PGC 70180		Glxy	15.7	CGCG 430-41
PGC 70175		Glxy Sdm:	14.8	UGC 12281 MCG 2-58-43 CGCG 430-39 IRAS 22567+1320 KUG 2256+133
PGC 70174		Glxy S	15.4	UGC 12284 MCG 5-54-22 CGCG 496-28
PGC 70140		Glxy S	15.3	UGC 12274 MCG 4-54-10 CGCG 475-11
PGC 70122		Glxy	16.5	MCG 4-54-7 KAZ315
PGC 70100		Glxy	15.5	CGCG 475-5
PGC 70002		Glxy E_p_/shells	15.2	MCG 5-54-17 CGCG 496-20
PGC 69992		Glxy	15.7	CGCG 496-17
PGC 69984		Glxy S	15.5	MCG 3-58-11
PGC 69981		Glxy Sbc	15.5	MCG 5-54-12 IRAS 22523+3156
PGC 69977		Glxy Elliptical	15.8	MCG 5-54-13 CGCG 496-15
PGC 69972		Glxy C	15.1	MCG 5-54-8
PGC 69970		Glxy E:	14.3	UGC 12242 MCG 5-54-9 CGCG 496-14 ARAK568
PGC 69968		Glxy E:	14.9	4ZW123B ANON 2252+32
PGC 69963		Glxy SAB0^	14.5	UGC 12238 MCG 5-54-7 CGCG 496-13 IRAS 22519+3159
PGC 69957		Glxy S0	15.7	4ZW123A ANON 2251+32
PGC 69955		Glxy	15.8	CGCG 453-19

## Pegasus - The Winged Horse

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 69951		Glxy S0	14.8	UGC 12235 MCG 5-54-6 CGCG 496-12
PGC 69942		Glxy	15.7	CGCG 496-11
PGC 69930		Glxy SBc	14.8	UGC 12231 MCG 5-54-4 CGCG 496-9
PGC 69929		Glxy SBcd:	14.9	MCG 5-54-3 MK 922 CGCG 496-7 ARAK567 4ZW122 IRAS 22511+3122 ANON 2251+31
PGC 69857		Glxy Spiral	15.3	MCG 2-58-28 CGCG 430-22
PGC 69854		Glxy S?	15.3	MCG 2-58-26 CGCG 430-23
PGC 69853		Glxy S	16.5	MCG 2-58-27
PGC 69848		Glxy SB	15.5	MCG 2-58-24
PGC 69835		Glxy	15.2	MCG 2-58-23
PGC 69822		Glxy S?	15.3	MCG 2-58-16 CGCG 430-17
PGC 69808		Glxy	15.7	CGCG 430-13
PGC 69803		Glxy Sa	14.5	UGC 12202 MCG 2-58-13 CGCG 430-11
PGC 69788		Glxy S	15.5	MCG 2-58-12
PGC 69778		Glxy S R	15.5	MCG 2-58-11
PGC 69719		Glxy S	15.3	MCG 3-58-4
PGC 69699		Glxy Sc	15.5	MCG 2-58-9 CGCG 430-9
PGC 69682		Glxy L	15.5	MCG 2-58-8
PGC 69675		Glxy	15.8	MCG 2-58-6 CGCG 430-5 ARAK565 IRAS 22435+1035
PGC 69656		Glxy	15.6	MK 920 CGCG 515-4 IRAS 22430+3347
PGC 69648		Glxy C	16.4	4ZW115
PGC 69647		Glxy S0	14.1	UGC 12179 MCG 6-50-2 CGCG 515-3
PGC 69622		Glxy S	15.5	MCG 1-58-5 CGCG 405-5
PGC 69618		Glxy S0	15.2	MCG 2-58-3 CGCG 430-1
PGC 69617		Glxy E	15.3	MCG 2-58-1 CGCG 430-3
PGC 69616		Glxy S?	15.3	MCG 2-58-2 CGCG 430-2
PGC 69582		Glxy	15.8	CGCG 405-1 CGCG 404-35
PGC 69559		Glxy Sb	15.1	UGC 12164 MCG 5-53-13 CGCG 495-19
PGC 69553		Glxy SB	14.6	UGC 12163 MCG 5-53-12 CGCG 495-18 ARAK564 IRAS 22403+2927 ANON 2240+29
PGC 69552		Glxy	15.6	CGCG 495-17
PGC 69528		Glxy	15.6	CGCG 404-34
PGC 69458		Glxy	15.7	CGCG 378-14
PGC 69457		Glxy Sab	15.1	CGCG 378-15 Einstein's Cross
PGC 69406		Glxy S0	15.5	MCG 6-49-66 CGCG 514-87
PGC 69402		Glxy SB?b	15.2	UGC 12132 CGCG 514-86
PGC 69389		Glxy L	16	MCG 6-49-62
PGC 69387		Glxy E	14.8	CGCG 514-79
PGC 69386		Glxy S	15.7	MCG 6-49-61 CGCG 514-81
PGC 69385		Glxy E	14.4	UGC 12127 MCG 6-49-58 CGCG 514-80 ARAK561 ANON 2236+35
PGC 69384		Glxy S	15	MCG 6-49-60
PGC 69378		Glxy S0/a	15.9	MCG 6-49-56 CGCG 514-78
PGC 69345		Glxy C	15.2	CGCG 514-73
PGC 69282		Glxy	15.4	KAZ227
PGC 69281		Glxy Sb	15.7	MCG 6-49-44 CGCG 514-66
PGC 69245		Glxy	15.4	KAZ296

## Pegasus - The Winged Horse

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 68664		Glxy SBc	15.5	UGC 11998
PGC 68617		Glxy Sbc	14.9	UGC 11994 MCG 5-52-12 CGCG 494-15 ANON 2218+33
PGC 68543		Glxy SA(s)c	14.9	UGC 11981 MCG 5-52-9 CGCG 494-12
PGC 68420		Glxy Scd:	14.5	UGC 11964 MCG 3-56-19
PGC 67998		Glxy	15.6	CGCG 377-22
PGC 67762		Glxy	15.5	CGCG 403-10
PGC 67741		Glxy C	15.6	CGCG 403-7
PGC 67621		Glxy Sb-c	15.6	UGC 11845 MCG 2-55-29 CGCG 427-40
PGC 67083		Glxy	15.7	CGCG 402-11
PGC 67076		Glxy SB(s)m	14.5	UGC 11782 MCG 1-55-6 CGCG 402-10
PGC 66835		Glxy	14.7	CGCG 426-59
PGC 66834		Glxy SB	14.7	UGC 11751 CGCG 426-59 KAZ524
PGC 66827		Glxy C	15.9	2ZW132
PGC 889		Glxy Im	14.9	UGC 122 MCG 3-1-28 CGCG 456-39
PGC 709		Glxy S	15.6	UGC 91 MCG 5-1-40 CGCG 499-58
PGC 707		Glxy Sb	14.5	UGC 92 MCG 5-1-41 CGCG 499-59
PGC 689		Glxy S	16.1	MCG 5-1-37
PGC 688		Glxy C	15.7	CGCG 499-57
PGC 687		Glxy E?	14.6	UGC 87 MCG 5-1-38 CGCG 499-56
PGC 251		Glxy S	16.5	KUG 1+201
PGC 178		Glxy SB	15.3	UGC 1 MCG 3-1-16 CGCG 456-18 VV 263 ARP 130
PGC 177		Glxy S	14.9	UGC 1 MCG 3-1-15 CGCG 456-18 VV 263 ARP 130
PGC 134		Glxy	15.5	MK 935
PGC 111		Glxy S	16.6	MCG 5-1-26 VV 226 ARP 112
PGC 108		Glxy S?	15.3	MCG 2-1-12 MK 934 CGCG 433-14 Hickson 100B
PGC 92		Glxy S	16.6	MCG 2-1-10 MK 934 Hickson 100D
PGC 89		Glxy S?	15.9	MCG 2-1-9 Hickson 100C
PGC 63		Glxy S0?	14.7	UGC 12899 MCG 5-1-22 CGCG 498-62 CGCG 499-34 Hickson 99B
PGC 60		Glxy S	17.2	Hickson 99D
PGC 58		Glxy S?	15.7	MCG 5-1-21 CGCG 498-61 CGCG 499-33 Hickson 99C
PGC 57		Glxy	17.7	Hickson 99E
PGC 54		Glxy Sab	14.8	UGC 12897 MCG 5-1-20 CGCG 499-32 CGCG 498-60 Hickson 99A
PGC 49		Glxy	15.3	KAZ236 KUG 2357+225
PGC 25		Glxy Double System	15	UGC 12891 MCG 4-1-7 CGCG 477-37 CGCG 478-9 4ZW177 VV 186 ARP 249
PGC 4		Glxy S	16	KUG 2357+228
PEASE 1		PI Neb 1	14.9	CENTRAL STAR 14.9 MAG
NGC 7819		Glxy SB(s)b	14.2	UGC 26 MCG 5-1-29 CGCG 499-44 CGCG 498-72 IRAS 18+3111 KUG 1+311 PGC 303
NGC 7817	H227-2	Glxy SAbc: sp	12.6	UGC 19 MCG 3-1-21 CGCG 456-28 IRAS 14+2028 KARA4 PGC 279
NGC 7814	H240-2	Glxy SA(s)ab: sp	11.6	UGC 8 MCG 3-1-20 CGCG 456-24 PGC 218
NGC 7810	H984-3	Glxy S0	14	UGC 12919 MCG 2-1-15 CGCG 433-18 IRAS 23597+1241 PGC 163
NGC 7806	H856-3	Glxy SA(rs)bc? pec	14.3	UGC 12911 MCG 5-1-25 CGCG 499-37 CGCG 498-65 VV 226 ARP 112 PGC 112
NGC 7805	H855-3	Glxy SAB0^: pec	14.2	UGC 12908 MCG 5-1-24 MK 333 CGCG 498-64 CGCG 499-36 VV 226 ARP 112 PGC 109
NGC 7803		Glxy S0/a	14.1	UGC 12906 MCG 2-1-11 MK 934 CGCG 433-13 IRAS 23587+1249 Hickson 100A PGC 101
NGC 7800	H10-2	Glxy Im?	13.1	UGC 12885 MCG 2-1-7 CGCG 433-12 IRAS 23570+1431 PGC 73177

## Pegasus - The Winged Horse

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 7799		Glxy Scd	16.4	UGC 12882 KUG 2356+310 PGC 73156
NGC 7798	H232-2	Glxy S	13	UGC 12884 MCG 3-1-10 MK 332 CGCG 456-9 IRAS 23568+2028 KUG 2356+204 PGC 73163
NGC 7794	H466-3	Glxy S?	13.5	UGC 12872 MCG 2-1-4 CGCG 433-10 IRAS 23560+1026 PGC 73103
NGC 7792		Glxy Sb	14.9	MCG 3-1-6 CGCG 456-7 PGC 73066
NGC 7786		Glxy S?	14.1	UGC 12842 MCG 3-60-38 CGCG 455-65 CGCG 456-1 ARAK588 IRAS 23528+2118 KAZ350 PGC 72870
NGC 7784		Glxy C	15.5	MCG 4-1-1 CGCG 477-29 CGCG 478-1 PGC 72862
NGC 7777		Glxy S0	14.3	UGC 12829 MCG 5-56-18 CGCG 498-26 PGC 72744
NGC 7775		Glxy Scd:	14	UGC 12821 MCG 5-56-16 CGCG 498-24 IRAS 23498+2829 PGC 72696
NGC 7774		Glxy E	14.1	UGC 12819 MCG 2-60-22 CGCG 432-37 PGC 72679
NGC 7773	H851-2	Glxy SBbc	14.2	UGC 12820 MCG 5-56-15 CGCG 498-22 IRAS 23496+3059 PGC 72681
NGC 7772		Open Cl III 1 p		
NGC 7771	H231-2	Glxy SB(s)a	13.1	UGC 12815 MCG 3-60-35 CGCG 455-58 IRAS 23488+1949 KAZ348 KUG 2348+198C PGC 72638
NGC 7770		Glxy S0/a?	14.4	UGC 12813 MCG 3-60-34 CGCG 455-57 KAZ347 KUG 2348+198B PGC 72635
NGC 7769	H230-2	Glxy (R)SA(rs)b	12.8	UGC 12808 MCG 3-60-30 CGCG 455-54 IRAS 23485+1952 KAZ346 KUG 2348+198A PGC 72615
NGC 7768		Glxy E	12.2	UGC 12806 MCG 4-56-18 CGCG 477-19 PGC 72605
NGC 7767		Glxy S0/a	14.5	IC 1511 UGC 12805 MCG 4-56-16 CGCG 477-17 PGC 72601
NGC 7766		Glxy S?	15.8	MCG 4-56-17 CGCG 477-18 PGC 72611
NGC 7765		Glxy SB?	15.5	MCG 4-56-15 CGCG 477-15 PGC 72596
NGC 7760	H854-3	Glxy E?	14.4	UGC 12794 MCG 5-56-8 CGCG 498-14 KARA1042 PGC 72512
NGC 7609		Glxy Pec	14.9	MCG 1-59-47 CGCG 406-65 VV 20 ARP 150 Hickson 95A PGC 71076
NGC 7608		Glxy S?	14	UGC 12500 MCG 1-59-44 CGCG 406-62 PGC 71055
NGC 7602		Glxy S?	15.3	MCG 3-59-34 CGCG 454-34 PGC 71019
NGC 7601		Glxy SAB(s)c:	14.6	UGC 12487 MCG 1-59-39 CGCG 406-56 IRAS 23162+857 KUG 2316+89 PGC 71022
NGC 7598		Glxy E	15.8	MCG 3-59-33 CGCG 454-33 ARAK582 PGC 71011
NGC 7597		Glxy S?	14.9	NGC 7571 PGC 71006 MCG 3-59-32 CGCG 454-32
NGC 7595		Glxy		Magnitude not in MegaStar PGC 71004
NGC 7594		Glxy S?	14	IC 5307 IC 5306 PGC 70992 MCG 2-59-22 CGCG 431-36
NGC 7593		Glxy S?	14.3	UGC 12483 MCG 2-59-20 CGCG 431-35 IRAS 23154+1104 KUG 2315+110 PGC 70981
NGC 7588		Glxy S	15.9	MCG 3-59-31 CGCG 454-30 ARAK581 PGC 70983
NGC 7587		Glxy SBab: sp	14.8	UGC 12484 MCG 1-59-37 CGCG 406-52 PGC 70984
NGC 7586		Glxy	17.2	CGCG 406-45 KUG 2315+79A PGC 70965
NGC 7584		Glxy S0?	15.3	MCG 1-59-35 CGCG 406-49 ARAK580 PGC 70977
NGC 7580		Glxy S?	14.3	UGC 12481 MCG 2-59-19 MK 318 CGCG 431-34 IRAS 23150+1343 PGC 70962
NGC 7579		Glxy S?	15	MCG 1-59-31 CGCG 406-46 PGC 70964
NGC 7578B		Glxy E1:	15	UGC 12478 MCG 3-59-25 CGCG 454-24 VV 181 ARP 170 Hickson 94A PGC 70934
NGC 7578A		Glxy S0^ pec	14.3	UGC 12477 MCG 3-59-24 CGCG 454-22 VV 181 ARP 170 Hickson 94B PGC 70933
NGC 7572		Glxy S0/a	15.1	MCG 3-59-23 CGCG 454-21 PGC 70919
NGC 7570	H238-3	Glxy SBa	13.9	UGC 12473 MCG 2-59-18 CGCG 431-32 IRAS 23142+1312 PGC 70912
NGC 7568		Glxy S?	14.5	NGC 7574 PGC 70892 UGC 12469 CGCG 475-58
NGC 7567		Glxy S?	15.4	UGC 12468 MCG 3-59-19 CGCG 454-16 IRAS 23136+1534 PGC 70885
NGC 7563	H222-3	Glxy SBa	13.9	UGC 12465 MCG 2-59-15 CGCG 431-29 PGC 70872
NGC 7559B	H221-3	Glxy S0-:	14.3	UGC 12463 MCG 2-59-14 CGCG 431-28 PGC 70864

## Pegasus - The Winged Horse

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 7559A		Glxy S		MCG 2-59-13 CGCG 431-28 PGC 70852
NGC 7558		Glxy E?	15.9	MCG 3-59-16 Hickson 93E PGC 70844
NGC 7551		Glxy		PGC 70791
NGC 7550	H181-3	Glxy SA0-	13.2	UGC 12456 MCG 3-59-15 CGCG 454-12 ARP 99 Hickson 93A PGC 70830
NGC 7549		Glxy SB(s)cd pec	13.7	UGC 12457 MCG 3-59-14 CGCG 454-13 ARP 99 IRAS 23127+1846 Hickson 93B PGC 70832
NGC 7548		Glxy (R)SAB(r)0 <sup>+</sup> :	14.3	UGC 12455 MCG 4-54-36 CGCG 475-50 IRAS 23127+2459 PGC 70826
NGC 7547		Glxy (R')SAB(s)0/a p	14.7	UGC 12453 MCG 3-59-13 CGCG 454-11 ARP 99 Hickson 93C PGC 70819
NGC 7543		Glxy S?	14	UGC 12450 MCG 5-54-52 CGCG 496-65 IRAS 23121+2803 PGC 70785
NGC 7542		Glxy	15.7	CGCG 431-25 PGC 70796
NGC 7540		Glxy	15.7	CGCG 454-10 PGC 70788
NGC 7539		Glxy S0	13.5	UGC 12443 MCG 4-54-35 CGCG 475-48 PGC 70783
NGC 7536		Glxy SBbc	14.1	UGC 12437 MCG 2-59-11 CGCG 431-22 IRAS 23117+1309 PGC 70765
NGC 7535		Glxy Sd	14.2	UGC 12438 MCG 2-59-10 CGCG 431-23 PGC 70761
NGC 7529		Glxy S?	14.6	UGC 12431 MCG 1-59-14 CGCG 406-24 KUG 2311+87 PGC 70755
NGC 7528		Glxy		PGC 70770
NGC 7527		Glxy E	14.3	UGC 12428 MCG 4-54-31 CGCG 475-45 PGC 70728
NGC 7525		Glxy E	15.2	MK 316 PGC 70731
NGC 7523		Glxy	15.7	CGCG 431-18 PGC 70726
NGC 7519		Glxy Sb:	14.8	UGC 12424 MCG 2-59-9 CGCG 431-16 PGC 70713
NGC 7516		Glxy S0	14.3	UGC 12420 MCG 3-59-10 CGCG 454-6 PGC 70703
NGC 7515	H220-3	Glxy S?	13.2	UGC 12418 MCG 2-59-8 CGCG 431-15 IRAS 23103+1224 PGC 70699
NGC 7514		Glxy S?	13.5	UGC 12415 MCG 6-50-26 CGCG 515-27 KARA1009 PGC 70689
NGC 7512		Glxy E	13.6	UGC 12414 MCG 5-54-46 CGCG 496-54 PGC 70683
NGC 7511		Glxy S?	14.8	UGC 12412 MCG 2-59-7 CGCG 431-12 IRAS 23099+1327 PGC 70691
NGC 7509		Glxy C	14.7	MCG 2-59-6 CGCG 431-13 PGC 70679
NGC 7508		Glxy S	15.6	UGC 12408 MCG 2-59-5 CGCG 431-11 PGC 70663
NGC 7312		Glxy SB(s)b	14.2	UGC 12083 MCG 1-57-10 CGCG 404-23 PGC 69198
NGC 7311	H428-2	Glxy Sab	13.4	UGC 12080 MCG 1-57-9 CGCG 404-22 PGC 69172
NGC 7305		Glxy E/S0	15	MCG 2-57-3 CGCG 429-7 PGC 69091
NGC 7303		Glxy Sbc	12.8	
NGC 7292		Glxy IBm	13	UGC 12048 MCG 5-53-3 CGCG 495-3 IRAS 22261+3002 KAZ290 KARA967 PGC 68941
NGC 7291		Glxy S0	14.1	UGC 12047 MCG 3-57-8 CGCG 452-15 PGC 68944
NGC 7290		Glxy SA(r)bc	13.9	UGC 12045 MCG 3-57-9 CGCG 452-14 IRAS 22260+1653 PGC 68942
IC 5104		Glxy SBab?	14.3	UGC 11731 MCG 3-54-7 CGCG 449-18 IRAS 21191+2101 KARA910 PGC 66622
IC 5115		Glxy	15.7	CGCG 426-60 PGC 66882
IC 5144		Glxy SB	15.4	MCG 2-55-27 CGCG 427-39 PGC 67614
IC 5151		Glxy C	15.4	CGCG 403-11 PGC 67768
IC 5161		Glxy	15.5	CGCG 403-22 PGC 68016
IC 5177		Glxy SBb	14.7	UGC 11939 MCG 2-56-15 CGCG 428-42 VV 409 PGC 68244
IC 5231		Glxy C	15.2	
IC 5296		Glxy SBb	15.3	UGC 12460 MCG 4-54-37 CGCG 475-54 PGC 70847
IC 5295		Glxy	15.5	CGCG 475-52 PGC 70839
IC 5293		Glxy	15.6	CGCG 475-49 PGC 70792
IC 5292		Glxy	15.5	CGCG 431-20 PGC 70740

## Pegasus - The Winged Horse

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 5291		Glxy C	15.7	CGCG 406-22 KUG 2311+89 PGC 70729
IC 5285		Glxy S?	13.6	UGC 12365 MCG 4-54-26 CGCG 475-36 2ZW188 PGC 70497
IC 5284		Glxy Sa: sp	14.8	UGC 12364 MCG 3-58-34 CGCG 453-70 PGC 70492
IC 5283		Glxy SA(r)cd pec?	14.8	MCG 1-58-26 CGCG 405-27 ARP 298 PGC 70350
IC 5282		Glxy Sd	14.9	UGC 12325 MCG 4-54-19 CGCG 475-24 PGC 70323
IC 5347		Glxy	15.7	CGCG 476-113 PGC 72130
IC 5346		Glxy	15.7	CGCG 476-110 PGC 72105
IC 5342		Glxy E:	15.6	MCG 4-55-37 CGCG 476-94 PGC 71984
IC 5341		Glxy S0/D	15.2	MCG 4-55-35 CGCG 476-87 PGC 71981
IC 5338		Glxy E?	15	UGC 12703 MCG 3-60-13 CGCG 455-26 PGC 71884
IC 5337		Glxy S?	15.5	MCG 3-60-12 CGCG 455-25 PGC 71875
IC 5331		Glxy Sab	15	UGC 12662 MCG 3-60-3 CGCG 455-13 PGC 71740
IC 5329		Glxy Scd:	15.4	UGC 12660 MCG 3-60-2 CGCG 455-11 PGC 71731
IC 5317		Glxy S0	15.1	CGCG 454-58 PGC 71296
IC 5315		Glxy E?	14.5	UGC 12541 MCG 4-55-6 CGCG 476-16 KARA1015 PGC 71174
IC 5314		Glxy C	15.6	MCG 3-59-42 CGCG 454-48 PGC 71160
IC 5312		Glxy Sb	15	MCG 3-59-41 CGCG 454-47 KAZ329 PGC 71152
IC 5305		Glxy S	15.4	MCG 2-59-21 CGCG 431-37 PGC 70987
IC 5300		Glxy	15.7	CGCG 454-18 PGC 70898
IC 5298		Glxy S?	14.9	MCG 4-54-38 CGCG 475-56 PGC 70877
IC 5297		Glxy C	15.6	CGCG 475-55 PGC 70875
MAC 0002+1253		Glxy	15.5	
MAC 0001+3122		Glxy	16	
MAC 0001+1309		Glxy	16.5	
MAC 0000+2826		Glxy	16	
KUG 2320+110C		Glxy Spiral	15.7	
KUG 2247		Glxy	16.5	
JONES 1		PI Neb 3b	12.1	Jones 1 PK 104-29.1 PNG 104.2-29.6
IRAS 2320+111		Glxy	16.7	
IC 5381		Glxy Sab? sp	14.7	UGC 7 MCG 3-1-19 CGCG 456-23 PGC 212
IC 5379		Glxy S	15.9	MCG 3-1-17 CGCG 456-20 PGC 185
IC 5377		Glxy Irr	15.2	UGC 12918 MCG 3-1-13 CGCG 456-17 PGC 156
MAC 2324+1425B		Glxy	15	
MAC 2324+1359A		Glxy	15.5	
MAC 2324+1359		Glxy	16	
MAC 2324+1358		Glxy	16.5	
MAC 2324+1357B		Glxy	16	
MAC 2324+1357A		Glxy	16	
MAC 2324+1357		Glxy	16.5	
MAC 2324+0932		Glxy	16	
MAC 2324+0931		Glxy	17	
MAC 2324+0929A		Glxy	16.5	
MAC 2323+1656		Glxy	16	
MAC 2323+1654		Glxy	16.5	
MAC 2323+1649		Glxy	15	

## Pegasus - The Winged Horse

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC 2323+1448		Glxy	15	
MAC 2323+1443		Glxy	15.5	
MAC 2323+1437		Glxy	15.5	
MAC 2323+1434		Glxy	16	
MAC 2323+1433		Glxy	16	
MAC 2323+0948		Glxy	16.5	
MAC 2323+0944A		Glxy	16	
MAC 2323+0944		Glxy	15.5	
MAC 2322+1201		Glxy	15	
MAC 2321+2551		Glxy	16.6	
MAC 2321+0815		Glxy	16.5	
MAC 2320+2714		Glxy	16.5	
MAC 2320+2712		Glxy	15.5	
MAC 2320+2711		Glxy	15	
MAC 2319+1856		Glxy	16	
MAC 2319+1840		Glxy	15	
MAC 2319+1836		Glxy	15.5	
MAC 2319+0930		Glxy	15	ARP 150 Hickson 94C
MAC 2319+0836		Glxy	16	
MAC 2319+0835		Glxy	16.5	
MAC 2319+0819		Glxy	16	
MAC 2318+1854		Glxy	17	
MAC 2318+1852		Glxy	15.5	
MAC 2318+1848		Glxy	16.5	
MAC 2318+1844B		Glxy	17	
MAC 2318+1844A		Glxy	16.5	
MAC 2318+1843		Glxy	16	
MAC 2318+1842		Glxy	17	
MAC 2318+1839		Glxy	16	
MAC 2318+1838B		Glxy	15.5	
MAC 2318+1838A		Glxy	17.5	
MAC 2318+1831		Glxy	16	
MAC 2318+1014A		Glxy	16.5	
MAC 2318+1014		Glxy	14.5	
MAC 2317+1357		Glxy	16	
MAC 2317+1325		Glxy	17	
MAC 2317+0925		Glxy	16	
MAC 2317+0826B		Glxy	15.5	
MAC 2316+2051		Glxy	14.5	
MAC 2316+2049		Glxy	16	
MAC 2316+1845		Glxy	15.5	
MAC 2316+1842		Glxy	16.5	
MAC 2316+1838		Glxy	16.5	
MAC 2315+2816		Glxy	16	
MAC 2315+1858		Glxy	16.5	

## Pegasus - The Winged Horse

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC 2314+2830		Glxy	17	
MAC 2314+2809		Glxy	16	
MAC 2314+1037		Glxy	16	
MAC 2313+1042		Glxy	15	
MAC 2308+1718		Glxy	15.5	
MAC 2258+1856		Glxy	16	
MAC 2240+0314		Glxy	17	
MAC 2222+0513		Glxy	16	
MAC 2211+2549		Glxy	16	
MAC 2207+1014		Glxy	16.5	
MAC 2154+1503		Glxy	16	
MAC 2154+1502		Glxy	16	
MAC 2154+1501		Glxy	15	
MAC 2140+1437		Glxy	17	
MAC 2139+1437		Glxy	16.5	
NGC 52	H183-3	Glxy S?	14.3	UGC 140 MCG 3-1-30 CGCG 456-42 IRAS 120+1818 PGC 978
NGC 42		Glxy S0-:	14.8	UGC 118 MCG 4-1-41 CGCG 478-43 PGC 867
NGC 41		Glxy S?	14.6	MCG 4-1-39 CGCG 478-42 IRAS 101+2144 KUG 10+217 PGC 865
NGC 26		Glxy SA(rs)ab	13.6	UGC 94 MCG 4-1-34 CGCG 477-64 CGCG 478-36 IRAS 78+2533 PGC 732
NGC 23	H147-3	Glxy SB(s)a	12.9	UGC 89 MCG 4-1-33 MK 545 CGCG 478-34 CGCG 477-62 IRAS 73+2538 PGC 698
NGC 22		Glxy Sb	14.4	UGC 86 MCG 5-1-39 CGCG 499-55 PGC 690
NGC 16	H15-4	Glxy SAB0- sp	13	UGC 80 MCG 4-1-32 CGCG 477-61 CGCG 478-33 PGC 660
NGC 15		Glxy Sa	14.7	UGC 82 MCG 3-1-27 CGCG 456-35 PGC 661
NGC 14	H591-2	Glxy (R)IB(s)m pec	12.7	UGC 75 MCG 3-1-26 CGCG 456-34 VV 80 ARP 235 PGC 647
NGC 9		Glxy Sb: pec	14.4	UGC 78 MCG 4-1-30 CGCG 477-59 CGCG 478-31 IRAS 63+2332 KARA6 PGC 652
NGC 2		Glxy Sab	14.1	UGC 59 MCG 4-1-26 CGCG 477-55 CGCG 478-27 PGC 567
NGC 1		Glxy SA(s)b:	12.8	UGC 57 MCG 4-1-25 CGCG 478-26 CGCG 477-54 IRAS 47+2725 PGC 564
MAC 2355+2149		Glxy	16	
MAC 2353+2820		Glxy	16.1	
MAC 2353+2818		Glxy	16.5	
MAC 2353+2713		Glxy	16.5	
MAC 2352+2845		Glxy	16.5	
MAC 2352+2730		Glxy	17.5	
MAC 2352+2708		Glxy	16.5	
MAC 2351+2736		Glxy	17.5	
MAC 2351+2707		Glxy	16	
MAC 2351+2703		Glxy	16	
MAC 2351+2655		Glxy	16.5	
MAC 2351+2653		Glxy	16.5	
MAC 2350+2713		Glxy	16.1	
MAC 2350+2712		Glxy	16.5	
MAC 2350+2709		Glxy	16.5	
MAC 2350+2708		Glxy	16.5	
MAC 2350+2706		Glxy	16	

## Pegasus - The Winged Horse

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC 2349+2659		Glxy	16.1	
MAC 2349+2656		Glxy	16.1	
MAC 2349+2649		Glxy	17	
MAC 2348+2708		Glxy	16	
MAC 2348+2702		Glxy	15	
MAC 2348+2659		Glxy	16	
MAC 2348+2647		Glxy	16.1	
MAC 2343+2719		Glxy	16.5	
MAC 2342+2731		Glxy	16.5	
MAC 2342+2717		Glxy	16	
MAC 2342+2707A		Glxy	16	
MAC 2342+2707		Glxy	16	
MAC 2340+2710A		Glxy	15.5	
MAC 2338+2707		Glxy	16	
MAC 2338+2705		Glxy	15.5	
MAC 2338+2704		Glxy	16	
MAC 2338+2703		Glxy	17	
MAC 2338+2702B		Glxy	15.5	
MAC 2338+2702A		Glxy	16	
MAC 2338+2701A		Glxy	16	
MAC 2338+2701		Glxy	16	
MAC 2338+2700		Glxy	16	
MAC 2338+2655		Glxy	15.5	
MAC 2338+2652		Glxy	16.5	
MAC 2337+2658		Glxy	16	
MAC 2337+2653		Glxy	16.5	
MAC 2331+2118		Glxy	16	
MAC 2328+1714		Glxy	16	
MAC 2327+0845		Glxy	15.5	
MAC 2327+0843		Glxy	16	
MAC 2327+0841		Glxy	16	
MAC 2325+2700		Glxy	15.5	
MAC 2325+1514		Glxy	15	
MAC 2325+0927		Glxy	16.5	
MAC 2324+1647		Glxy	15.5	
MAC 2324+1643		Glxy	16	
MAC 2324+1519		Glxy	15.5	
MAC 2324+1450		Glxy	15.5	
MAC 2324+1446		Glxy	16	
MAC 2324+1445		Glxy	16	
MAC 2324+1443B		Glxy	15.5	
MAC 2324+1443A		Glxy	16	
MAC 2324+1442		Glxy	15.5	
MAC 2324+1441B		Glxy	16.5	
MAC 2324+1441A		Glxy	16	

## Pegasus - The Winged Horse

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC	2324+1440D	Glxy	16.5	
MAC	2324+1440C	Glxy	16	
MAC	2324+1440B	Glxy	15.5	
MAC	2324+1440A	Glxy	16	
MAC	2324+1439C	Glxy	16	
MAC	2324+1439B	Glxy	15	
MAC	2324+1439A	Glxy	16.5	
MAC	2324+1438B	Glxy	15.5	
MAC	2324+1438A	Glxy	15	
MAC	2324+1437B	Glxy	14.5	
MAC	2324+1437A	Glxy	15.5	
MAC	2324+1436B	Glxy	16	
MAC	2324+1436A	Glxy	16	
MAC	2324+1434C	Glxy	16	
MAC	2324+1434B	Glxy	15.5	
MAC	2324+1434A	Glxy	16.5	
MAC	2324+1433	Glxy	16.5	
MAC	2324+1431	Glxy	16	
MAC	2324+1430B	Glxy	16.5	
MAC	2324+1430A	Glxy	16	
MAC	2324+1426	Glxy	16	
IC	5276	Glxy S	15.3	CGCG 453-35 PGC 70157
IC	5274	Glxy S0:	14.8	UGC 12275 CGCG 453-34 PGC 70149
IC	5258	Glxy S0-:	13.8	UGC 12217 MCG 4-53-17 CGCG 474-33 PGC 69869
IC	5254	Glxy	15.6	CGCG 453-5 PGC 69680
IC	5253	Glxy S0/a	15.4	UGC 12180 CGCG 474-27 PGC 69659
IC	5243	Glxy S?	14.8	UGC 12153 MCG 4-53-11 CGCG 474-21 ARAK562 ZZW185 KUG 2239+231 PGC 69495
IC	5242	Glxy S?	14.6	UGC 12148 MCG 4-53-10 CGCG 474-20 IRAS 22388+2308 KUG 2238+231 PGC 69487
IC	5233	Glxy S?	14.6	UGC 12106 MCG 4-53-7 CGCG 474-10 IRAS 22341+2530 KAZ297 KARA975 PGC 69290
IC	5223	Glxy Triple System	15.4	UGC 12055 CGCG 404-19 PGC 68988
IC	5172	Glxy	15.6	CGCG 428-39 PGC 68190
IC	5160	Glxy SB0	15.2	UGC 11884 CGCG 428-18 PGC 67929
IC	5145	Glxy Sab	14.3	UGC 11844 MCG 2-55-28 CGCG 427-41 PGC 67619
IC	5119	Glxy Sa	15.4	UGC 11766 CGCG 472-1 PGC 66969

**Sub Total: 785****Total: 867**

## Perseus - Rescuer of Andromeda

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 651		Non-Existent		NGC 650
IC 256		Non-Existent		
NGC 1123		Non-Existent		NGC 1122
NGC 1077		Non-Existent		NGC 1077A
NGC 1040		Non-Existent		
NGC 1146		Non-Existent		
IC 275		Non-Existent		
IC 323		Non-Existent		(STAR)
IC 1911		Non-Existent		
NGC 1235		Non-Existent		
IC 1889		Non-Existent		IC 294
IC 294		Non-Existent		IC 296
IC 295		Non-Existent		IC 1889
IC 1888		Non-Existent		IC 293
IC 292		Non-Existent		IC 1887
IC 1884		Non-Existent		IC 290
IC 1881		Non-Existent		NGC 1213
NGC 1174		Non-Existent		
IC 1985		Non-Existent		IC 1985
IC 1905		Non-Existent		
IC 297		Non-Existent		
IC 282		Non-Existent		
NGC 1183		Non-Existent		
IC 281		Non-Existent		NGC 1177
NGC 1178		Non-Existent		
IC 1872		Non-Existent		
NGC 1176		Non-Existent		
NGC 1173		Non-Existent		
IC 280		Non-Existent		(STAR)
NGC 1197		Non-Existent		
IC 274		Non-Existent		

**Sub Total: 31**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
ABELL 4		PI Neb	14.8	PK 144-15.1
IC 259		Glxy SB0	15	UGC 2306 CGCG 539-107 PGC 10730
IC 257		Glxy S0-:	13.8	UGC 2298 MCG 8-6-11 CGCG 554-8 PGC 10729
IC 258		Glxy SB0	15.3	CGCG 539-106 PGC 10721
IC 260		Glxy E:	14.1	UGC 2325 MCG 8-6-14 CGCG 554-11 PGC 10812
IC 265		Glxy E	15.7	MCG 7-7-6 CGCG 540-9 CGCG 539-127 PGC 10978
IC 313		Glxy E	15.1	UGC 2682 MCG 7-7-73 CGCG 540-111 PGC 12558
IC 312		Glxy E:	14.4	UGC 2644 MCG 7-7-51 CGCG 540-86 PGC 12279
IC 311		Glxy S?	15	UGC 2625 CGCG 540-76 PGC 12177

## Perseus - Rescuer of Andromeda

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 310		Glxy SA(r)0 <sup>^</sup> :	12.7	UGC 2624 MCG 7-7-45 CGCG 540-75 IRAS 3135+4108 PGC 12171
IC 309		Glxy SA(s)0 <sup>^</sup>	14.5	MCG 7-7-43 CGCG 540-72 PGC 12141
IC 308		Glxy S0	15.4	
IC 305		Glxy E	15.6	MCG 6-8-6 CGCG 525-12 PGC 12083
IC 304		Glxy Sb	14.6	UGC 2609 MCG 6-8-5 CGCG 525-10 IRAS 3118+3741 PGC 12080
IC 301		Glxy E	14.2	UGC 2606 MCG 7-7-36 CGCG 540-63 PGC 12074
IC 351		PI Neb 2a	12.4	PK 159-15.1 PNG 159.0-15.1
IC 348		Open Cl 10.0 III 2 p n	7.3	IC 1985
IC 320		Glxy SB(rs)ab	14.6	UGC 2732 MCG 7-8-7 CGCG 541-6 PGC 12819
IC 319		Glxy		
IC 316		Glxy S?	14.9	UGC 2688 CGCG 540-112 IRAS 3179+4145 PGC 12578
IC 300		Glxy	16	
IC 296		Glxy (R)SB(rs)0/a:	14.9	IC 294 UGC 2574 MCG 7-7-33 CGCG 540-54 PGC 11878
IC 293		Glxy E-S0	14.3	IC 1888 MCG 7-7-31 CGCG 540-53 PGC 11873
IC 290		Glxy Sb	15.4	IC 1884 UGC 2561 CGCG 540-47 PGC 11817
IC 288		Glxy S?	14.8	UGC 2544 MCG 7-7-27 CGCG 540-43 PGC 11702
IC 284		Glxy SAdm	12.5	UGC 2531 MCG 7-7-23 CGCG 540-37 IRAS 3029+4211 PGC 11643
IC 278		Glxy E:	14.2	UGC 2481 MCG 6-7-32 CGCG 524-44 PGC 11414
IC 266		Glxy S	15.7	MCG 7-7-10 CGCG 539-130 CGCG 540-12 PGC 11002
IC 262		Glxy SB0	14.2	UGC 2335 MCG 7-6-80 CGCG 539-114 PGC 10850
IC 1874		Glxy S0/a	14.7	MCG 6-7-39 CGCG 524-50 PGC 11652
IC 1901		Glxy S	15.7	MCG 6-8-8 CGCG 525-14 PGC 12136
IC 1907		Glxy E?	14.2	MCG 7-7-61 CGCG 540-101 PGC 12405
MAC 0250+4639		Glxy	16.5	
MAC 0249+4706		Glxy	16	
MAC 0245+4232		Glxy	14.5	
IC 2067		Nebula		
IC 2027		Glxy E	15.5	UGC 2957 MCG 6-9-19 PGC 14473
IC 2005		Glxy C	15.6	CGCG 526-15 PGC 14168
IC 2003		PI Neb 2	12.6	PK 161-14.1 PNG 161.2-14.8
IC 1934		Glxy S0	15	UGC 2769 PGC 13080
IC 1902		Glxy	15.7	CGCG 525-15 PGC 12150
MAC 0301+3547A		Glxy	16.5	
MAC 0301+3547		Glxy	16.5	
MAC 0301+3545		Glxy	16	
MAC 0301+3544		Glxy	16	
MAC 0301+3543		Glxy	16.5	
MAC 0301+3542		Glxy	16.5	
MAC 0301+3540A		Glxy	16.5	
MAC 0301+3540		Glxy	15.5	
MAC 0301+3538		Glxy	15.5	
MAC 0303+3546B		Glxy	14.5	
MAC 0303+3538		Glxy	16	
MAC 0302+3606B		Glxy	15.5	
MAC 0302+3606A		Glxy	16.5	

## Perseus - Rescuer of Andromeda

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC 0302+3603		Glxy	16.5	
MAC 0302+3546		Glxy	15.5	
MAC 0302+3545A		Glxy	16.5	
MAC 0302+3544		Glxy	16.5	
MAC 0302+3543		Glxy	16	
MAC 0302+3540		Glxy	14.5	
MAC 0302+3538		Glxy	15.5	
MAC 0301+3559B		Glxy	16	
MAC 0301+3558C		Glxy	16.5	
MAC 0301+3558B		Glxy	14.5	
MAC 0301+3558A		Glxy	16.5	
MAC 0301+3555B		Glxy	16	
MAC 0301+3555A		Glxy	15.5	
MAC 0301+3554D		Glxy	16	
MAC 0301+3554B		Glxy	15.5	
MAC 0301+3554A		Glxy	16.5	
MAC 0301+3553		Glxy	16	
MAC 0301+3552C		Glxy	16	
MAC 0301+3552A		Glxy	15.5	
MAC 0301+3550B		Glxy	16	
MAC 0301+3550A		Glxy	16	
MAC 0301+3534		Glxy	16.5	
MAC 0300+3605		Glxy	16	
MAC 0300+3604C		Glxy	15.5	
MAC 0300+3602		Glxy	16.5	
MAC 0300+3541		Glxy	16	
MAC 0300+3534		Glxy	16.5	
MAC 0255+4136A		Glxy	16	
MAC 0254+4136		Glxy	16	
NGC 884	H34-6	Open Cl 6.4 I 3 r	6.1	Double Cluster h and Chi Persei
NGC 869	H33-6	Open Cl 6.6 I 3 r	5.3	Double Cluster Mel 13 Cr 24
NGC 744		Open Cl 10.0 III 1 p	7.9	
NGC 650	H193-1	PI Neb 3+6	12.2	M 76 Little Dumbbell PK 130-10.1 PNG 130.9-10.5
MINK 1-2		PI Neb 1	14.9	Minkowski 1-2 PK 133-8.1 PNG 133.1-8.6
MAC 0356+3355		Glxy	16	
MAC 0323+4123		Glxy	15.5	
MAC 0315+4045		Glxy	15	
MAC 0315+3751		Glxy	16.5	
MAC 0314+4223		Glxy	16.5	
MAC 0312+4151		Glxy	16	
MAC 0312+4139		Glxy	16.5	
MAC 0312+4129B		Glxy	16.5	
MAC 0312+4129A		Glxy	16	
MAC 0312+3927		Glxy	16	
MAC 0311+3525		Glxy	16	

## Perseus - Rescuer of Andromeda

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC 0310+4200		Glxy	14.5	
MAC 0305+4244		Glxy	16.5	
MAC 0305+3602		Glxy	16	
IC 1900		Glxy S0	15.1	MCG 6-8-7 CGCG 525-13 PGC 12124
IC 1887		Glxy Sdm:	14.2	IC 292 UGC 2567 MCG 7-7-30 CGCG 540-49 IRAS 3069+4034 PGC 11846
IC 1883		Glxy S0/a	15.5	
NGC 957		Open Cl 11.0 III 2 m	7.6	
NGC 1106		Glxy SA0+	13.3	UGC 2322 MCG 7-6-76 CGCG 539-112 IRAS 2474+4127 PGC 10792
NGC 1086		Glxy Scd:	13.5	UGC 2258 MCG 7-6-71 CGCG 539-101 IRAS 2447+4102 PGC 10587
NGC 1077B		Glxy Sb	14.5	UGC 2230 MCG 7-6-69 CGCG 539-95 IRAS 2428+3952 PGC 10468
NGC 1077A		Glxy SBb	16.5	MCG 7-6-68 CGCG 539-95 PGC 10465
NGC 1058	H633-2	Glxy SA(rs)c	11.8	UGC 2193 MCG 6-7-1 CGCG 524-5 CGCG 523-96 IRAS 2403+3707 KUG 240+371 PGC 10314
NGC 1053		Glxy S0	13.9	NGC 1040-1 PGC 10298 UGC 2187 MCG 7-6-60 CGCG 539-83
NGC 1050		Glxy (R')SB(s)a	13.5	UGC 2178 MCG 6-6-78 CGCG 523-92 CGCG 524-1 IRAS 2395+3433 KARA116 KUG 239+345 PGC 10257
NGC 1039		Open Cl 9.0 II 3 r	5.2	M 34 Cr 31
NGC 1023A		Glxy IB?	14.5	PGC 10139 ARP 135
NGC 1164		Glxy (R')SAB(s)ab	14	UGC 2490 MCG 7-7-16 MK 1067 CGCG 540-28 IRAS 2587+4223 PGC 11441
NGC 1161	H239-2	Glxy S0	12.1	UGC 2474 MCG 7-7-15 CGCG 540-26 IRAS 2579+4442 PGC 11404
NGC 1160	H199-3	Glxy Scd:	13.5	UGC 2475 MCG 7-7-14 CGCG 540-27 IRAS 2579+4445 PGC 11403
NGC 1159		Glxy Spiral HSB	14.4	UGC 2467 CGCG 540-23 IRAS 2575+4257 PGC 11383
NGC 1138	H580-3	Glxy SB0	13.8	UGC 2408 MCG 7-7-12 CGCG 540-15 PGC 11118
NGC 1131		Glxy E/S0		CGCG 540-7 CGCG 539-125 PGC 10964
NGC 1130		Glxy compact	15.6	MCG 7-7-2 CGCG 539-122 CGCG 540-4 PGC 10951
NGC 1129	H602-2	Glxy E	13.5	UGC 2373 MCG 7-7-4 CGCG 539-124 CGCG 540-6 VV 85 PGC 10959
NGC 1122	H601-2	Glxy SBb	12.2	NGC 1123 PGC 10890 UGC 2353 MCG 7-6-83 CGCG 539-117 IRAS 2496+4200
NGC 1624	H49-5	Open Cl II 1 p n	11.8	
NGC 1605	H26-6	Open Cl 12.5 III 1 m	10.7	
NGC 1582	H70-8	Open Cl 9.0 IV 2 p	7	
NGC 1579	H217-1	Nebula R		
NGC 1548		Open Cl IV 1 p as		
NGC 1545	H85-8	Open Cl 9.0 IV 2 p	6.2	
NGC 1528	H61-7	Open Cl 10.0 II 2 m	6.4	
NGC 1513	H60-7	Open Cl 11.0 II 1 m	8.4	
NGC 1499		Nebula E		California Nebula SH2-220 LBN 756
NGC 1496		Open Cl 12.0 III 2 p	9.6	
NGC 1491	H258-1	Nebula E		
NGC 1465		Glxy S0/a	14.7	UGC 2891 MCG 5-10-3 CGCG 508-4 PGC 14039
NGC 1444	H80-8	Open Cl 6.8 IV 1 p	6.6	
NGC 1265		Glxy E+	12.1	UGC 2651 MCG 7-7-52 CGCG 540-88 PGC 12287
NGC 1264		Glxy SBa-b	15.4	UGC 2643 MCG 7-7-50 PGC 12270
NGC 1260		Glxy S0/a: sp	14.3	UGC 2634 MCG 7-7-47 CGCG 540-81 IRAS 3141+4113 PGC 12219
NGC 1259		Glxy S0	15.7	MCG 7-7-46 PGC 12208
NGC 1257		Glxy Sa	14.6	UGC 2621 MCG 7-7-44 CGCG 540-73 PGC 12157
NGC 1250		Glxy S0^: sp	12.8	UGC 2613 MCG 7-7-40 CGCG 540-66 PGC 12098

## Perseus - Rescuer of Andromeda

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 1245	H25-6	Open Cl 12.0 II 2 r	8.4	
NGC 1233		Glxy Sb	14	NGC 1235 PGC 11955 UGC 2586 MCG 6-8-3 CGCG 525-6 CGCG 524-65 IRAS 3093+3907
NGC 1207	H578-3	Glxy SA(rs)b	13.4	UGC 2548 MCG 6-7-43 CGCG 524-55 IRAS 3050+3811 PGC 11737
NGC 1348	H84-8	Open Cl 8.5 III 2 m		
NGC 1342	H88-8	Open Cl 8.0 III 2 m	6.7	
NGC 1335		Glxy S0-:	14.8	UGC 2762 MCG 7-8-19 CGCG 541-18 PGC 13015
NGC 1334		Glxy S?	14.1	UGC 2759 MCG 7-8-18 CGCG 541-17 IRAS 3266+4139 PGC 13001
NGC 1333		Nebula R		
NGC 1330		Glxy	15.5	MCG 7-8-13 CGCG 541-14 PGC 12967
NGC 1294	H575-3	Glxy SA0-?	14.3	UGC 2694 MCG 7-7-76 CGCG 540-117 IRAS 3184+4111 PGC 12600
NGC 1293	H574-3	Glxy E0	14.5	MCG 7-7-75 CGCG 540-116 PGC 12597
NGC 1283		Glxy E1:	13.5	UGC 2676 MCG 7-7-69 CGCG 540-110 PGC 12478
NGC 1282		Glxy E:	13.9	UGC 2675 MCG 7-7-68 CGCG 540-109 PGC 12471
NGC 1281		Glxy E5	13.3	MCG 7-7-67 CGCG 540-108 PGC 12458
NGC 1279		Glxy C	17.6	5ZW338 PGC 12450
NGC 1278		Glxy E pec:	12.4	IC 1907 PGC 12438 UGC 2670 MCG 7-7-65 CGCG 540-105
NGC 1277		Glxy S0+: pec	13.4	MCG 7-7-64 CGCG 540-104 PGC 12434
NGC 1276		Glxy		
NGC 1275	H603-2	Glxy Pec	11.9	UGC 2669 MCG 7-7-63 CGCG 540-103 PGC 12429
NGC 1274		Glxy E3	14	MCG 7-7-62 CGCG 540-102 PGC 12413
NGC 1273		Glxy SA(r)0^?	13.2	MCG 7-7-59 CGCG 540-99 PGC 12396
NGC 1272		Glxy E+	11.7	UGC 2662 MCG 7-7-58 CGCG 540-98 PGC 12384
NGC 1271		Glxy SB0?	13.9	CGCG 540-96 PGC 12367
NGC 1270		Glxy E:	13.1	UGC 2660 MCG 7-7-57 CGCG 540-95 PGC 12350
NGC 1268		Glxy SAB(rs)b:	14.2	UGC 2658 MCG 7-7-56 CGCG 540-93 PGC 12332
NGC 1267		Glxy E+:	14.1	UGC 2657 MCG 7-7-55 CGCG 540-92 PGC 12331
NGC 1198		Glxy S0-:	13.5	IC 282 PGC 11648 UGC 2533 MCG 7-7-24 CGCG 540-38
NGC 1193	H608-2	Open Cl 14.0 I 2 m	12.6	
NGC 1186	H43-4	Glxy SB	11.7	NGC 1174 PGC 11617 UGC 2521 MCG 7-7-21 CGCG 540-34 IRAS 3022+4238
NGC 1177		Glxy S?	15.5	IC 281 PGC 11581 MCG 7-7-20 CGCG 540-33
NGC 1175	H607-2	Glxy SA(r)0+	13.9	UGC 2515 MCG 7-7-19 CGCG 540-32 PGC 11578
NGC 1171		Glxy Scd:	13	UGC 2510 MCG 7-7-18 CGCG 540-31 IRAS 3006+4312 PGC 11552
NGC 1169	H620-2	Glxy SAB(r)b	12.2	UGC 2503 MCG 8-6-25 CGCG 554-20 PGC 11521
NGC 1167	H178-3	Glxy SA0-	13.4	UGC 2487 MCG 6-7-33 CGCG 524-45 PGC 11425
NGC 1227		Glxy (R)SB(s)0+	15.2	UGC 2577 CGCG 525-3 CGCG 524-62 PGC 11880
NGC 1226		Glxy E	13.9	UGC 2575 MCG 6-8-1 CGCG 525-2 CGCG 524-61 PGC 11879
NGC 1224		Glxy S0-:	14.7	UGC 2578 MCG 7-7-34 CGCG 540-55 PGC 11886
NGC 1220		Open Cl 13.0 I 1 p	11.8	
NGC 1213		Glxy SA(s)dm	15	IC 1881 PGC 11789 UGC 2557 MCG 6-7-45 CGCG 524-58
NGC 1212		Glxy		IC 1883 PGC 11761
NGC 1001		Glxy Sbc	14.9	MCG 7-6-50 CGCG 539-69 PGC 10050
NGC 1005		Glxy E/S0	14.6	MCG 7-6-52 CGCG 539-71 PGC 10062
NGC 1003	H238-2	Glxy SA(s)cd	12	UGC 2137 MCG 7-6-51 CGCG 539-70 IRAS 2360+4039 PGC 10052
NGC 1023	H156-1	Glxy SB(rs)0-	10.4	UGC 2154 MCG 6-6-73 CGCG 523-83 ARP 135 PGC 10123
PGC 6619		Glxy C	15.8	5ZW109

## Perseus - Rescuer of Andromeda

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 14034		Glxy S?	15	UGC 2888 MCG 5-10-2 CGCG 508-3
PGC 14033		Glxy Scd	15.7	MCG 5-10-1 CGCG 508-2
PGC 13884		Glxy Sbc	15.9	UGC 2868
PGC 12960		Glxy	15.6	CGCG 541-12
PGC 12816		Glxy Sb	14.9	UGC 2730 MCG 7-8-6 CGCG 541-5 IRAS 3225+4034
PGC 12576		Glxy S	15	MCG 7-7-74 CGCG 540-112
PGC 12430		Glxy	15.5	
PGC 12397		Glxy Sc?	15	UGC 2665 MCG 7-7-60 CGCG 540-100
PGC 12288		Glxy		
SH2 216		PI Neb 3		NIM, PK158+00.1 See AL Planetary Club Manual
PGC 14951		Glxy S	14.7	UGC 3019 MCG 6-10-4 IRAS 4183+3636
PGC 14455		Glxy S	15.5	UGC 2952 MCG 6-9-18
PGC 12254		Glxy	13.9	CGCG 540-85
PGC 12185		Glxy Sa?	15.5	UGC 2626 CGCG 540-78
PGC 12160		Glxy	15.7	CGCG 540-74
PGC 12132		Glxy SAB(s)d	13.8	UGC 2617 MCG 7-7-41 CGCG 540-69 IRAS 3127+4042
PGC 11941		Glxy		
PGC 11896		Glxy E?	15.1	UGC 2579 CGCG 524-64 CGCG 525-5
PGC 11863		Glxy S0?	16.2	UGC 2569
PGC 11679		Glxy Sab	15.5	UGC 2540 MCG 6-7-40 CGCG 524-51
PGC 11669		Glxy	15.6	CGCG 540-41
PGC 11447		Glxy S?	14.7	UGC 2494 MCG 6-7-37 CGCG 524-48 IRAS 2589+3554
PGC 11444		Glxy Double System	15.4	UGC 2493 MCG 6-7-36 CGCG 524-47
PGC 11437		Glxy SB(r)0/a	14.3	UGC 2491 MCG 6-7-35 CGCG 524-46
PGC 11434		Glxy Compact group	14.6	UGC 2489 MCG 6-7-34 5ZW311
PGC 11369		Glxy IAm	15.7	UGC 2466 MCG 6-7-30
PGC 10980		Glxy C		MCG 7-7-8 CGCG 539-126 CGCG 540-8
PGC 10970		Glxy C	14.8	
PGC 10717		Glxy S	15.5	UGC 2294
PGC 10753		Glxy Multi-Galaxy	14	UGC 2308
PGC 10770		Glxy Sa	14.6	UGC 2317 MCG 8-6-12 CGCG 554-9
PGC 10962		Glxy		
PGC 10953		Glxy E/S0	16.5	MCG 7-7-3 VV 85
PGC 10663		Glxy S	14	UGC 2281 MCG 8-6-9
PGC 10427		Glxy	15.6	CGCG 539-91

**Sub Total: 223****Total: 254**

## Phoenix - The Phoenix Bird

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 25		Glxy SB0-? pec	13	ESO 149-19 FAIR1 PGC 706
NGC 37		Glxy (R')SAB(s)0+:	14.7	ESO 149-22 PGC 801
NGC 88		Glxy SB(rs)0/a: pec	15	ESO 194-10 PGC 1370
NGC 92		Glxy SAa: pec	13.8	ESO 194-12 PGC 1388
NGC 119		Glxy SA0- pec	14.1	ESO 150-8 PGC 1659
NGC 212		Glxy SA0-	14.4	ESO 150-18 PGC 2417
NGC 238		Glxy (R')SB(r)b pec	13.1	ESO 194-31 FAIR663 PGC 2595
NGC 7796		Glxy E+	12.5	ESO 149-7 PGC 73126
NGC 7764A		Glxy S pec	15.3	ESO 293-8 MCG -7-1-1 PGC 72762
NGC 7764		Glxy IB(s)m	12.6	ESO 293-4 MCG -7-48-27 VV 715 PGC 72597
NGC 7744		Glxy SAB(s)0-	12.9	IC 5348 PGC 72300 ESO 292-17 MCG -7-48-17
IC 5348		Non-Existent		ESO 292-17 MCG -7-48-17 PGC 72300
NGC 7702		Glxy (R)SA(r)0+	13.1	ESO 192-9 PGC 71829
IC 5328B		Glxy SB(s)c:	15	ESO 291-30 PGC 71760
NGC 7689		Glxy SAB(rs)cd	12.2	ESO 192-7 IRAS 23305-5422 PGC 71729
IC 5328		Glxy E4	12.3	ESO 291-29 PGC 71730
IC 5328A		Glxy SB(s)0/a? sp	14.6	ESO 291-28 PGC 71724
NGC 7690		Glxy SA(r)b:?	13	ESO 240-6 FAIR1049 IRAS 23303-5158 PGC 71716
IC 5325		Glxy SAB(rs)bc	11.8	ESO 347-18 MCG -7-48-4 IRAS 23260-4136 PGC 71548
IC 1796		Glxy SAB(s)0-?	13	ESO 298-38 MCG -7-6-1 PGC 9041
NGC 893		Glxy SA(s)c pec:	13.6	ESO 298-29 MCG -7-5-17 IRAS 2179-4137 PGC 8888
NGC 889		Glxy E:	14.3	ESO 298-27 MCG -7-5-16 PGC 8843
NGC 862		Glxy E:	12.8	ESO 298-20 MCG -7-5-12 PGC 8487
NGC 822		Glxy E:	14.1	ESO 298-9 MCG -7-5-8 PGC 8055
NGC 692		Glxy (R')SB(r)bc:	13.1	ESO 197-3 FAIR712 IRAS 1467-4853 PGC 6642
NGC 644		Glxy SB(r)bc:	14.7	ESO 244-43 MCG -7-4-27 FAIR706 IRAS 1367-4250 PGC 6097
NGC 641		Glxy SA(s)0-:	13.1	ESO 244-42 MCG -7-4-26 PGC 6081
NGC 625		Glxy SB(s)m? sp	11.7	ESO 297-5 MCG -7-4-17 IRAS 1329-4141 PGC 5896
NGC 576		Glxy (R')SAB(rs)0+	14.4	ESO 196-7 FAIR295 IRAS 1269-5151 PGC 5535
NGC 482		Glxy SAab: sp	14.5	ESO 296-13 MCG -7-3-17 PGC 4823
IC 1674		Non-Existent		ESO 196-2 PGC 4746
NGC 454		Glxy Pec	13.1	ESO 151-36 PGC 4468
IC 1650		Glxy SB(s)b pec	14.4	ESO 195-34 IRAS 1101-5039 PGC 4334
IC 1649		Glxy Sbc sp	14.7	ESO 151-30 PGC 4298
IC 1633		Glxy E+1	12.6	ESO 243-46 FAIR683 PGC 4149
IC 1631		Glxy Sab pec	14.2	ESO 243-40 IRAS 1065-4644 PGC 4068
NGC 405		Non-Existent		
IC 1630		Glxy Sb pec sp	15.1	ESO 243-36 PGC 4036
IC 1627		Glxy SB(s)b: sp	13.7	ESO 243-34 IRAS 1059-4621 PGC 4027
IC 1625		Glxy SA(rs)0- pec:	12.9	ESO 243-33 PGC 4001
IC 1621		Glxy Sb-c	14.6	ESO 243-28 PGC 3915
NGC 368		Glxy (R')SAB(rs)0+?	14.6	ESO 243-23 PGC 3826
IC 1617		Glxy (R')S(r)0/a?	14.6	ESO 195-28 IRAS 1020-5117 PGC 3818
IC 1615		Glxy SB(r)bc	14.3	ESO 195-27 IRAS 1019-5124 PGC 3812
NGC 348		Glxy Sb	14.5	ESO 151-17 PGC 3632

## Phoenix - The Phoenix Bird

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 1609		Glxy SA0^:	13.6	ESO 295-26 MCG -7-3-4 PGC 3567
IC 1605		Glxy (R')SB(r)bc	13.7	ESO 195-19 FAIR671 IRAS 553-4910 PGC 3436
NGC 324		Glxy S?	14	ESO 295-25 MCG -7-3-2 PGC 3416
NGC 322		Glxy S0? pec sp	14.3	ESO 243-15 MCG -7-3-3 PGC 3412
IC 1603		Glxy SA(s)c:	14.6	ESO 243-14 PGC 3401
NGC 328		Glxy SB(rs)a pec:	14.2	ESO 151-13 PGC 3399
NGC 319		Glxy (R')SAB(s)a:	14.2	ESO 243-13 MCG -7-3-1 PGC 3398
NGC 323		Glxy E0:	13.6	ESO 151-9 PGC 3374
NGC 312		Glxy E2:	13.4	ESO 151-6 PGC 3343
IC 1595		Glxy Sb? sp	15.3	ESO 243-8 PGC 3162
IC 1594		Glxy SAB(rs)b?	15.1	ESO 195-12 PGC 3161
NGC 215		Glxy SA0-	14.1	ESO 150-19 PGC 2451
NGC 159		Glxy (R)SB(r)0/a	14.8	ESO 150-11 PGC 2073
NGC 98		Glxy SB(rs)bc	13.4	ESO 242-5 PGC 1463
NGC 89		Glxy SB(s)0/a? pec	14.2	ESO 194-11 PGC 1374
NGC 87		Glxy IBm pec	14.7	ESO 194-8 PGC 1357
NGC 31		Glxy SB(rs)cd	14.6	PGC 730
NGC 28		Glxy E1	14.6	ESO 149-20 PGC 751

**Sub Total: 63****Total: 63**

## Pictor - The Painter

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 1680		Glxy (R)SB(s)b?	14.4	ESO 203-4 IRAS 4471-4754 PGC 16058
NGC 2152		Glxy (R')SB(r)a: pec	14.7	ESO 205-15 PGC 18249
NGC 2148		Glxy SA(rs)b pec:	14.6	ESO 120-24 IRAS 5581-5907 PGC 18171
NGC 2132		Non-Existent		
NGC 2115A		Glxy S0+? pec	16	ESO 205-6A PGC 18002
NGC 2115		Glxy S0?	14.1	ESO 205-6 IRAS 5501-5036 PGC 18001
NGC 2104		Glxy SB(s)m pec	13.2	ESO 205-2 IRAS 5459-5133 PGC 17822
NGC 2101		Glxy IB(s)m pec	13.7	ESO 205-1 IRAS 5451-5206 PGC 17793
NGC 2087		Glxy SB(r)a: pec	14.6	ESO 159-26 IRAS 5433-5533 PGC 17684
IC 2141		Non-Existent		
NGC 2297		Glxy SAB(rs)bc	13.4	ESO 87-40 FAIR256 IRAS 6440-6339 PGC 19524
NGC 2222		Glxy SBa? pec sp	14.2	ESO 121-25 PGC 18835
NGC 2221		Glxy Sa? pec sp	13.8	ESO 121-24 IRAS 6194-5733 PGC 18833
NGC 2205		Glxy (R')SAB(rs)0-:	13.7	ESO 86-63 PGC 18551
NGC 2178		Glxy E1	13.6	ESO 86-53 PGC 18322
NGC 1930		Glxy SAB(s)0+:	13.4	ESO 253-4 PGC 17276
NGC 1995		Non-Existent		STAR MCG -2-2-50 PGC 17434
NGC 1998		Glxy		
NGC 2008		Glxy Sc	13.8	ESO 204-20 IRAS 5338-5059 PGC 17480
NGC 2007		Glxy SB(rs)c:	13.9	ESO 204-19 PGC 17478
NGC 1803		Glxy SB(s)bc:	13.4	ESO 203-18 IRAS 5041-4938 PGC 16715
NGC 1705		Glxy SA0- pec:	12.8	ESO 158-13 IRAS 4531-5326 PGC 16282

**Sub Total: 22****Total: 22**

# Pisces Australis - The Southern Fish

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 7109		Glxy E:	14.4	ESO 403-15 MCG -6-47-11 VV 376 PGC 67192
IC 5136		Non-Existent		
IC 5139		Glxy SB0-?	13.3	ESO 466-11 MCG -5-51-17 IRAS 21474-3113 PGC 67447
NGC 7153		Glxy Sb? sp	14.2	ESO 466-16 MCG -5-51-22 PGC 67624
IC 5269C		Glxy SB(s)d pec:	14.2	ESO 406-41 MCG -6-50-23 PGC 70253
IC 5270		Glxy SB(r)cd: sp	13	ESO 406-33 MCG -6-50-18 IRAS 22551-3607 PGC 70117
IC 5269		Glxy SAB(rs)0:	13.2	ESO 406-32 MCG -6-50-17 PGC 70110
IC 5269B		Glxy SB(rs)cd:	13.2	ESO 406-26 MCG -6-50-12 PGC 70070
IC 5262		Glxy S?	14.3	ESO 406-20 MCG -6-50-9 IRAS 22525-3409 PGC 70007
IC 5237		Non-Existent		ESO 468-23 MCG -5-53-27 UGC A434 IRAS 22395-3019 PGC 69539
NGC 7313		Glxy SB(s)b pec:	14.9	ESO 533-52 PGC 69242
NGC 7306		Glxy (R')SBb?	13.5	ESO 468-11 MCG -5-53-14 VV 832 IRAS 22304-2730 PGC 69132
NGC 7294		Glxy (R')SAB(rs)0^ p	13.5	IC 5225 PGC 69088 ESO 533-44 MCG -4-53-9
IC 5225		Glxy		
NGC 7289		Glxy SA(r)0^:	14.2	ESO 405-23 MCG -6-49-6 PGC 68980
NGC 7279		Glxy SB(rs)c	14.3	ESO 405-21 MCG -6-49-5 IRAS 22243-3523 PGC 68896
NGC 7277		Glxy (R)Sb:	14.1	ESO 467-59 MCG -5-53-4 IRAS 22233-3123 PGC 68861
NGC 7268A		Glxy E0 pec?	15.4	ESO 467-57 MCG -5-53-2 PGC 68839 PGC 68848
NGC 7268		Non-Existent		NGC 7268A
NGC 7267		Glxy (R')SB(rs)a pec	12.9	ESO 405-18 MCG -6-49-3 IRAS 22214-3356 PGC 68780
IC 5214		Glxy		
NGC 7262		Glxy SA0^:	14.8	ESO 405-17 PGC 68737
NGC 7258		Glxy Sb:	13.9	ESO 467-49 MCG -5-52-68 IRAS 22201-2836 PGC 68710
NGC 7229		Glxy SB(s)c	13.1	ESO 467-24 MCG -5-52-51 IRAS 22112-2937 PGC 68344
NGC 7225		Glxy SA(s)0/a: pec	13.2	ESO 532-33 MCG -4-52-23 IRAS 22103-2623 PGC 68311
NGC 7221		Glxy SB(rs)bc pec:	12.8	ESO 467-18 MCG -5-52-43 IRAS 22083-3048 PGC 68235
IC 5169		Glxy (R')SAB(r)0+ p:	13.7	ESO 404-36 MCG -6-48-25 IRAS 22072-3620 PGC 68198
NGC 7208		Glxy SAB0^?	13.8	ESO 467-10 MCG -5-52-32 IRAS 22055-2917 PGC 68120
NGC 7204		Glxy S0/a pec:	14.5	ESO 467-8 MCG -5-52-29 VV 685 IRAS 22040-3117 PGC 68061
NGC 7203		Glxy (R')SB(r)0/a:	13.6	ESO 467-7 MCG -5-52-27 PGC 68053
NGC 7202		Non-Existent		
NGC 7201		Glxy SAa:	13.7	ESO 467-4 MCG -5-52-26 IRAS 22036-3130 PGC 68040
IC 5157		Glxy E:	12.7	ESO 404-26 MCG -6-48-20 PGC 67941
IC 5156		Glxy SB(s)ab pec:	13	ESO 404-25 MCG -6-48-19 IRAS 22003-3404 PGC 67932
NGC 7187		Glxy (R)SA(r)0+	13.5	ESO 404-24 MCG -6-48-18 PGC 67909
NGC 7178		Glxy Sb:	14.8	ESO 404-22 MCG -6-48-16 PGC 67898
NGC 7163		Glxy (R')SB(rs)ab p:	14.5	ESO 466-30 MCG -5-51-35 IRAS 21564-3207 PGC 67785
IC 5149		Glxy (R')Sa	14.5	ESO 466-27 MCG -5-51-33 PGC 67770
NGC 7157		Glxy (R)SB(r)a:	14.9	ESO 532-3 MCG -4-51-15 PGC 67693
NGC 7154		Glxy SB(s)m pec:	12.9	ESO 404-8 MCG -6-48-5 IRAS 21523-3503 PGC 67641
NGC 7152		Glxy SB(rs)b? pec	14.4	ESO 466-13 MCG -5-51-20 PGC 67601
NGC 7135		Glxy SA0- pec	12.7	ESO 403-35 MCG -6-48-1 PGC 67425
NGC 7130		Glxy Sa pec	13	IC 5135 PGC 67387 ESO 403-32 MCG -6-47-15 IRAS 21453-3511
NGC 7115		Glxy Sb pec	14.5	ESO 531-25 MCG -4-51-11 VV 800 IRAS 21407-2535 PGC 67248
IC 5131		Glxy SB0-	13.3	ESO 403-27 MCG -6-47-14 PGC 67352

## Pisces Australis - The Southern Fish

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 5135		Non-Existent		ESO 403-32 MCG -6-47-15 IRAS 21453-3511 PGC 67387
NGC 7110		Glxy SB(r)b:	14.2	ESO 403-16 MCG -6-47-12 PGC 67199
<b>Sub Total: 47</b>				

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 7172		Glxy Sa pec sp	12.9	ESO 466-38 MCG -5-52-7 IRAS 21591-3206 Hickson 90A PGC 67874
PGC 68726		Glxy Scd:sp	14.5	MCG -5-52-70 ESO 467-51
PGC 68345		Glxy Sc: sp	14.2	MCG -5-52-50 IRAS 22122-2711 ESO 533-04
PGC 68164		Glxy S?	15.7	ESO 467-15 MCG -5-52-39 IRAS 22064-2758 Hickson 91B
PGC 68160		Glxy S?	15.3	ESO 467-13 MCG -5-52-36 VV 700 Hickson 91C
PGC 68155		Glxy S0	15.3	MCG -5-52-35 VV 700 Hickson 91D
PGC 67158		Glxy Sbc: sp	14.5	MCG -5-51-8 IRAS 21376-2645 ESO 531-22
NGC 7361		Glxy S(r)c:?	12.7	IC 5237 PGC 69539 ESO 468-23 MCG -5-53-27 UGC A434 IRAS 22395-3019
NGC 7173		Glxy E+ pec:	13	ESO 466-39 MCG -5-52-8 UGC A422 VV 698 Hickson 90C PGC 67878
NGC 7176		Glxy E pec:	12.3	ESO 466-41 MCG -5-52-11 UGC A423 VV 698 Hickson 90B PGC 67883
NGC 7214		Glxy SB(s)bc pec:	13.3	ESO 467-12 MCG -5-52-34 VV 700 IRAS 22062-2803 Hickson 91A PGC 68152
NGC 7314		Glxy SAB(rs)bc	11.6	ESO 533-53 MCG -4-53-18 ARP 14 IRAS 22330-2618 PGC 69253
NGC 7259		Glxy Sb	13.9	ESO 467-50 MCG -5-52-69 PGC 68718
NGC 7174		Glxy Sab pec sp	14.2	ESO 466-40 MCG -5-52-10 VV 698 IRAS 21592-3214 Hickson 90D PGC 67881
IC 5168		Glxy SB(s)c: sp	15.5	ESO 467-11 MCG -5-52-33 PGC 68133
IC 5271		Glxy Sb?	11.6	ESO 406-34 MCG -6-50-19 IRAS 22552-3400 PGC 70128
<b>Sub Total: 16</b>				
<b>Total: 63</b>				

## Pisces - The Fishes

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 7804		Non-Existent		
IC 55		Glxy Sab	15.1	MCG 1-3-6 CGCG 410-13 PGC 3025
IC 53		Glxy S0-	14.9	UGC 516 MCG 2-3-5 CGCG 435-11 PGC 2951
NGC 266	H153-3	Glxy SB(rs)ab	12.5	UGC 508 MCG 5-3-9 CGCG 501-22 IRAS 471+3200 PGC 2901
IC 52		Glxy S	15.2	UGC 494 MCG 1-3-5 CGCG 410-7 UM69 PGC 2834
IC 1572		Non-Existent		
NGC 211		Non-Existent		
IC 1570		Non-Existent		
IC 1567		Non-Existent		
NGC 190A		Non-Existent		
IC 14		Non-Existent		
NGC 78		Non-Existent		NGC 78A
IC 8		Glxy Sc	13.5	MCG -1-1-76 PGC 1234
IC 6		Glxy E	14.5	MCG -1-1-75 PGC 1228
IC 7		Glxy E	14.8	CGCG 433-43 KARA14 PGC 1216
NGC 60		Glxy SA(r)cd pec	14.8	UGC 150 MCG 0-1-48 CGCG 382-37 PGC 1058
NGC 56		Non-Existent		
NGC 400		Non-Existent		
NGC 399		Glxy SBa:	14.4	UGC 712 MCG 5-3-67 CGCG 501-101 PGC 4096
NGC 398		Glxy S0	15.6	MCG 5-3-65 CGCG 501-100 ARAK31 PGC 4090
NGC 397		Glxy E	15.5	MCG 5-3-64 CGCG 501-96 PGC 4051
NGC 394		Glxy S0	15	MCG 5-3-63 CGCG 501-95 ARAK30 PGC 4049
NGC 392	H218-2	Glxy S0-	13.7	UGC 700 MCG 5-3-62 CGCG 501-94 PGC 4042
NGC 390		Non-Existent		STAR PGC 4021
NGC 396		Glxy	16.6	UGC 729 MCG 0-4-20 CGCG 385-14 PGC 4178
NGC 372		Non-Existent		
NGC 370		Non-Existent		
IC 1618		Glxy S0	15.2	UGC 671 CGCG 501-78 PGC 3899
IC 74		Glxy E	15.5	CGCG 410-30 KARA43 PGC 3897
IC 1614		Glxy		
IC 73		Glxy	15.4	CGCG 410-29 UM84 PGC 3842
NGC 354		Glxy SB pec	14.4	UGC 645 MCG 4-3-37 MK 353 CGCG 480-37 IRAS 1005+2204 PGC 3763
IC 69		Glxy S?	14.6	MCG 5-3-41 CGCG 501-66 PGC 3666
NGC 338		Glxy Sab	13.7	UGC 624 MCG 5-3-34 CGCG 501-61 IRAS 578+3024 PGC 3611
IC 1619		Glxy Sb	14.7	MCG 5-3-54 CGCG 501-83 ARAK25 PGC 3975
IC 1620		Glxy SABbc	14	UGC 681 MCG 2-3-34 CGCG 435-42 IRAS 1045+1341 PGC 3960
IC 75		Glxy Sb	14.6	UGC 684 MCG 2-3-35 CGCG 435-43 PGC 3959
IC 66		Glxy Sa	14.9	UGC 623 MCG 5-3-33 CGCG 501-59 PGC 3606
IC 64		Glxy E/S0	15.3	UGC 613 MCG 4-3-31 CGCG 480-30 PGC 3550
NGC 332		Glxy Compact	14.5	UGC 609 CGCG 410-21 PGC 3511
IC 62		Glxy S	15	UGC 606 MCG 2-3-21 CGCG 435-29 PGC 3507
NGC 326		Glxy E+4: pec	14.3	UGC 601 MCG 4-3-25 CGCG 480-26 4ZW35 PGC 3482
NGC 316		Non-Existent		
NGC 313		Non-Existent		
NGC 296	H214-2	Glxy Scd:	15.7	UGC 565 MCG 5-3-27 CGCG 501-44 PGC 3274

## Pisces - The Fishes

Observed: No

Object	No	Her	Type	Mag	Alias/Notes
NGC	295		Non-Existent		UGC 562 MCG 5-3-24 CGCG 501-42 IRAS 523+3116 PGC 3260
IC	57		Glxy S0?	15.1	UGC 559 MCG 2-3-10 CGCG 435-19 PGC 3229
IC	1596		Glxy S?	14.7	UGC 550 MCG 3-3-7 CGCG 458-9 KARA39 PGC 3219
IC	1593		Non-Existent		(STAR)
IC	1598		Glxy Sa	14.8	UGC 553 MCG 1-3-7 MK 962 CGCG 410-16 PGC 3217
NGC	287		Glxy S0/a	14.8	CGCG 501-33 PGC 3145
IC	1592		Glxy S?	15	UGC 543 CGCG 410-15 PGC 3139
NGC	282		Glxy E	14.7	MCG 5-3-15 CGCG 501-30 PGC 3090
NGC	664		Glxy Sb:	13.6	UGC 1210 MCG 1-5-29 CGCG 412-23 IRAS 1411+358 PGC 6359
IC	1723		Glxy Sb	13.8	UGC 1205 MCG 1-5-28 CGCG 412-22 IRAS 1406+838 PGC 6332
IC	150		Glxy Sb	14.7	UGC 1202 MCG 1-5-26 CGCG 412-20 PGC 6316
NGC	656		Glxy SB0	13.4	UGC 1194 MCG 4-5-2 CGCG 482-4 KARA61 PGC 6293
IC	148		Non-Existent		
NGC	658		Glxy Sb	13.1	UGC 1192 MCG 2-5-9 CGCG 437-9 IRAS 1394+1220 PGC 6275
IC	1721		Glxy S?	14.3	UGC 1187 MCG 1-5-19 CGCG 412-15 PGC 6235
NGC	652		Glxy S?	14.6	UGC 1184 MCG 1-5-17 CGCG 412-14 IRAS 1380+743 PGC 6208
NGC	645		Glxy SBb:	13.4	UGC 1177 MCG 1-5-16 CGCG 412-13 IRAS 1375+528 PGC 6172
NGC	638		Glxy S?	14.5	UGC 1170 MCG 1-5-14 MK 1003 CGCG 412-11 IRAS 1370+659 PGC 6145
NGC	632		Glxy S0?	13.3	UGC 1157 MCG 1-5-10 MK 1002 CGCG 412-8 IRAS 1346+537 PGC 6007
NGC	631		Glxy E	14.3	UGC 1153 MCG 1-5-7 CGCG 412-6 PGC 5983
NGC	606		Glxy SB(r)c	14.1	UGC 1126 MCG 3-5-10 CGCG 460-11 IRAS 1321+2109 PGC 5874
IC	1715		Glxy Im	14.5	UGC 1115 MCG 2-5-2 CGCG 437-3 IRAS 1309+1219 KARA54 PGC 5805
IC	1711		Glxy Sb	14.4	UGC 1082 MCG 3-4-52 CGCG 459-73 IRAS 1282+1655 PGC 5643
NGC	575		Glxy SB(rs)c	13.4	IC 1710 PGC 5634 UGC 1081 MCG 3-4-51 CGCG 459-72 KARA53
IC	1710		Non-Existent		UGC 1081 MCG 3-4-51 CGCG 459-72 KARA53 PGC 5634
NGC	571		Glxy S?	14.6	UGC 1069 MCG 5-4-63 CGCG 502-98 PGC 5587
NGC	569		Glxy S?	14.6	UGC 1063 MCG 2-4-53 MK 997 CGCG 436-63 IRAS 1264+1052 PGC 5548
NGC	566		Glxy S0	14.5	UGC 1058 MCG 5-4-62 CGCG 502-92 PGC 5545
NGC	552	H172-3	Non-Existent		
IC	1706		Glxy S0^ sp	15.3	CGCG 436-57 PGC 5433
IC	1704		Glxy S pec?	14.1	UGC 1027 MCG 2-4-52 CGCG 436-54 IRAS 1244+1431 PGC 5411
IC	115		Glxy S0?	15.2	MCG 3-4-39 CGCG 459-54 PGC 5395
IC	113		Non-Existent		
NGC	553	H173-3	Glxy S0	14.1	
IC	112		Glxy Sdm:	14.3	UGC 1008 MCG 2-4-47 CGCG 436-49 ARAK46 IRAS 1234+1110 PGC 5328
IC	111		Non-Existent		
IC	1702		Glxy Scd:	14.2	UGC 1005 MCG 3-4-36 CGCG 459-51 IRAS 1232+1620 PGC 5321
IC	110		Non-Existent		
IC	1701		Glxy Very Compact	14.9	UGC 1002 MCG 3-4-35 CGCG 459-50 PGC 5309
IC	1700		Non-Existent		IC 1700 UGC 978 MCG 2-4-39 CGCG 436-44 PGC 5250
IC	1699		Non-Existent		
IC	1698		Glxy S0	14.4	UGC 983 MCG 2-4-40 CGCG 436-45 PGC 5261
NGC	532	H556-3	Glxy Sab? sp	14	UGC 982 MCG 1-4-56 CGCG 411-55 IRAS 1226+900 PGC 5264
IC	107		Glxy S?	14.9	IC 107 UGC 986 MCG 2-4-41 CGCG 436-47 PGC 5271
IC	1695		Glxy S?	14.9	UGC 977 MCG 1-4-55 CGCG 411-54 PGC 5245

## Pisces - The Fishes

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 517	H168-3	Glxy S0	13.4	UGC 960 MCG 5-4-54 CGCG 502-79 ARAK43 VV 36 PGC 5214
IC 1692		Glxy	15.6	CGCG 502-76 PGC 5203
NGC 515	H167-3	Glxy S0	14	UGC 956 MCG 5-4-52 CGCG 502-77 PGC 5201
IC 1691		Non-Existent		
NGC 518		Glxy Sa: sp	14.2	UGC 952 MCG 1-4-49 CGCG 411-47 PGC 5161
NGC 516		Glxy S0	14.1	UGC 946 MCG 1-4-48 CGCG 411-46 PGC 5148
NGC 510		Non-Existent		STAR ANON 4-6 PGC 5102
NGC 506		Non-Existent		
NGC 511		Glxy E:	14.7	UGC 936 MCG 2-4-33 CGCG 436-37 IRAS 1210+1101 PGC 5103
NGC 509		Glxy S0?	14.4	UGC 932 MCG 1-4-45 CGCG 411-43 PGC 5080
IC 1688		Non-Existent		
IC 1686		Non-Existent		UGC 926 MCG 5-4-38 CGCG 502-59 PGC 5060
NGC 498		Glxy S0		MCG 5-4-37 PGC 5059
IC 1685		Non-Existent		
NGC 505		Glxy S0	14.8	UGC 924 MCG 1-4-41 CGCG 411-41 PGC 5036
NGC 502		Glxy SA(r)0^	13.7	UGC 922 MCG 1-4-43 CGCG 411-40 ARAK38 PGC 5034
IC 1684		Non-Existent		
NGC 500		Glxy E/S0	15	MCG 1-4-40 CGCG 411-39 PGC 5013
NGC 492		Glxy SBbc	15.4	MCG 1-4-38 CGCG 411-36 PGC 4976
IC 1682		Glxy Sb	14.5	UGC 912 MCG 5-4-32 CGCG 502-53 ARAK36 PGC 4983
NGC 486		Glxy Sb	15.5	MCG +1-4-37 PGC 4975
NGC 490		Glxy S?	15.3	MCG 1-4-35 CGCG 411-35 PGC 4973
NGC 483		Glxy S?	14.1	UGC 906 MCG 5-4-29 CGCG 502-50 PGC 4961
NGC 489		Glxy S?	13.6	UGC 908 MCG 1-4-34 CGCG 411-34 PGC 4957
IC 1680		Glxy S0	14.9	MCG 5-4-28 CGCG 502-49 PGC 4956
IC 1679		Glxy Sa	15.5	MCG 5-4-27 CGCG 502-48 PGC 4944
NGC 485		Glxy S	14	UGC 895 MCG 1-4-32 CGCG 411-32 IRAS 1188+645 PGC 4921
NGC 479		Glxy SB(rs)bc:	14.7	UGC 893 MCG 1-4-31 CGCG 411-31 PGC 4905
IC 1677		Glxy S?	15	MCG 5-4-25 CGCG 502-42 VV 600 KUG 118+329 PGC 4891
IC 1678		Glxy C	15.4	CGCG 411-28 PGC 4875
IC 1676		Glxy C	15.7	CGCG 502-41 PGC 4871
IC 1673		Glxy E	14.5	CGCG 502-38 PGC 4855
IC 1672		Glxy S?	13.9	UGC 872 MCG 5-4-24 CGCG 502-36 PGC 4848
NGC 472		Glxy Sb	14	UGC 870 MCG 5-4-22 CGCG 502-34 PGC 4833
NGC 476		Glxy S0	15.3	MCG 3-4-23 CGCG 459-33 PGC 4814
IC 96		Glxy		
IC 5368		Non-Existent		IC 1523
IC 1524		Glxy SA(rs)b pec:	13.9	MCG -1-1-12 IRAS 23566-424 PGC 73143
IC 1523		Glxy		IC 1523
IC 1522		Glxy Sbc	15.4	MCG 0-1-12 CGCG 382-11 PGC 73139
NGC 7797	H867-3	Glxy Sbc	14.5	UGC 12877 MCG 0-1-11 CGCG 382-10 IRAS 23563+321 PGC 73125
IC 1517		Glxy E	14.7	MCG 0-1-8 CGCG 382-6 PGC 72942
NGC 7787		Glxy (R')SB(rs)0/a:	15.2	UGC 12849 MCG 0-1-5 CGCG 382-3 IRAS 23535+16 PGC 72930
IC 1516		Glxy Sbc pec	13.8	UGC 12852 MCG 0-1-6 CGCG 382-4 IRAS 23535-111 PGC 72927
IC 1515		Glxy (R')SB(rs)ab	14.4	UGC 12848 MCG 0-1-4 CGCG 382-2 PGC 72922

## Pisces - The Fishes

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 7783C		Non-Existent		
NGC 7783B		Non-Existent		
NGC 7783D		Non-Existent		
NGC 7783A		Non-Existent		
NGC 7780		Glxy Sab	14.8	UGC 12833 MCG 1-60-46 CGCG 407-71 IRAS 23509+750 PGC 72775
IC 1510		Glxy S	15.2	MCG 0-60-53 CGCG 381-53 VV 641 PGC 72589
IC 5352		Glxy		
NGC 7751	H437-3	Glxy S?	13.8	UGC 12778 MCG 1-60-35 CGCG 407-57 IRAS 23444+635 PGC 72381
NGC 7750	H427-3	Glxy (R')SB(rs)c pec	13.5	UGC 12777 MCG 1-60-34 CGCG 381-43 CGCG 407-56 IRAS 23440+331 PGC 72367
IC 1507		Glxy S0^	14.6	UGC 12770 MCG 0-60-44 CGCG 381-41 PGC 72330
NGC 7746		Glxy S0^ pec:	14.1	UGC 12768 MCG 0-60-43 CGCG 381-40 PGC 72319
IC 1506		Glxy S	15.4	MCG 1-60-29 CGCG 407-52 PGC 72291
NGC 7739		Glxy E+:	14.6	CGCG 381-38 PGC 72272
NGC 7738		Glxy SB(rs)b	13.9	UGC 12757 MCG 0-60-38 CGCG 381-33 IRAS 23414+14 PGC 72247
NGC 7732		Glxy Scd pec sp	14.3	UGC 12738 MCG 0-60-35 CGCG 381-26 PGC 72131
NGC 7731		Glxy (R)SBa pec:	13.5	UGC 12737 MCG 0-60-34 CGCG 381-25 IRAS 23390+326 PGC 72128
IC 1504		Glxy Sb	14.3	UGC 12734 MCG 1-60-20 CGCG 407-41 IRAS 23387+344 PGC 72117
IC 1503		Glxy Sdm:	14.3	UGC 12715 MCG 1-60-16 CGCG 407-31 UM1 IRAS 23359+431 PGC 71982
NGC 7710		Glxy S0 pec sp	15.4	MCG -1-60-10 PGC 71844
NGC 7706		Glxy S0	14.2	UGC 12686 MCG 1-60-6 CGCG 407-15 PGC 71817
NGC 7705		Glxy S0	15.4	CGCG 407-13 PGC 71811
NGC 7704		Glxy S0-:	14.4	UGC 12684 MCG 1-60-5 CGCG 407-14 PGC 71810
NGC 7696		Glxy	15	MCG 1-60-4 CGCG 407-10 PGC 71757
IC 5330		Non-Existent		(STAR)
NGC 7694	H187-3	Glxy Im pec:	13.6	MCG -1-60-4 PGC 71728
NGC 7695		Glxy		MK 931 PGC 71726
NGC 7693		Glxy SB(r)0+:	14.4	MCG 0-60-3 CGCG 381-6 PGC 71720
IC 1500		Glxy	15.4	CGCG 407-6 PGC 71727
NGC 7669		Non-Existent		
NGC 7670		Non-Existent		
NGC 7668		Non-Existent		
NGC 7614		Non-Existent		
NGC 7605		Non-Existent		
IC 5303		Non-Existent		(STAR)
NGC 7581		Non-Existent		
NGC 7575		Non-Existent		SINGLE STAR
NGC 7565		Non-Existent		
NGC 7561		Non-Existent		
NGC 7560		Non-Existent		
NGC 7556A		Non-Existent C	15	
NGC 7493		Non-Existent		
NGC 7477		Glxy		
NGC 7472		Non-Existent		NGC 7482 PGC 70446 MCG 0-58-29 CGCG 379-31 ARAK574
NGC 7480A		Non-Existent		
NGC 7480B		Non-Existent Sb	14.8	

## Pisces - The Fishes

Observed: No

Object	No	Her	Type	Mag	Alias/Notes
IC	1466		Non-Existent		
NGC	7459		Non-Existent S	15.2	
NGC	7403		Non-Existent		
NGC	1072		Glxy SB(rs)b:	14.2	IC 1837 PGC 10315 UGC 2208 MCG 0-7-88 CGCG 388-103 CGCG 389-1 IRAS 2409+5
IC	1779		Glxy Scd:	15.1	CGCG 387-35 PGC 8039
IC	199		Glxy Sab	14.2	IC 1778 IC 199 UGC 1594 MCG 1-6-41 CGCG 413-41 PGC 8026
IC	1778		Non-Existent		IC 1778 IC 199 UGC 1594 MCG 1-6-41 CGCG 413-41 PGC 8026
IC	198		Glxy S	14.6	UGC 1592 MCG 1-6-40 CGCG 413-40 PGC 8011
IC	1776		Glxy SB(s)d	13.8	UGC 1579 MCG 1-6-38 CGCG 413-37 PGC 7952
IC	197		Glxy SBbc:	14.3	UGC 1564 MCG 0-6-27 CGCG 387-31 KUG 201+25 PGC 7875
IC	1772		Glxy L	14.5	MCG 1-6-33 PGC 7781
IC	1771		Glxy E	15.2	MCG 2-6-14 CGCG 438-15 PGC 7737
IC	1770		Glxy S0	14.8	UGC 1522 MCG 2-6-13 CGCG 438-16 PGC 7751
NGC	791		Glxy E	14.1	UGC 1511 MCG 1-6-31 CGCG 413-28 PGC 7702
IC	182		Glxy SBb	14.5	UGC 1473 MCG 1-6-26 CGCG 413-22 IRAS 1572+710 KUG 157+71 PGC 7556
NGC	766		Glxy E	13.7	UGC 1458 MCG 1-6-19 CGCG 413-19 PGC 7468
IC	1754		Glxy Compact	15	UGC 1424 CGCG 413-11 PGC 7307
NGC	742	H272-2	Glxy cE0:	15.3	MCG 1-6-4 CGCG 413-9 VV 175 PGC 7264
IC	1751		Glxy C	15.3	MCG 1-6-6 CGCG 413-6 ARAK66 PGC 7250
IC	1750		Glxy S0/a	15.4	UGC 1412 CGCG 413-7 PGC 7266
IC	174		Glxy S0?	14.3	UGC 1409 MCG 1-6-8 CGCG 413-4 PGC 7249
IC	1749		Glxy S0:	14.6	UGC 1407 MCG 1-6-1 CGCG 413-3 IRAS 1535+630 KUG 153+65 PGC 7235
NGC	730		Non-Existent		
NGC	728		Non-Existent		
IC	1746		Glxy S0	14.8	UGC 1371 MCG 1-5-43 CGCG 412-42 UM145 PGC 7076
IC	161		Non-Existent		
IC	157		Non-Existent		
IC	1726		Glxy Scd:	14.7	CGCG 412-25 UM135 PGC 6441
IC	1725		Glxy	15.3	CGCG 460-22 CGCG 482-9 PGC 6432
IC	153		Non-Existent		
IC	152		Glxy	15.7	CGCG 437-16 PGC 6368
IC	151		Non-Existent		
IC	1669		Glxy	15.6	CGCG 502-32 PGC 4802
IC	94		Non-Existent		(STAR)
NGC	475		Glxy		IC 97 PGC 4796
IC	97		Non-Existent		
NGC	471		Glxy S0	14.2	UGC 861 MCG 2-4-24 CGCG 436-29 IRAS 1173+1431 PGC 4793
IC	1666		Glxy Scd:	14.2	UGC 857 MCG 5-4-19 CGCG 502-30 IRAS 1170+3212 KUG 117+322 PGC 4782
NGC	468		Glxy S0/a	15.3	IC 92 PGC 4780 MCG 5-4-20 CGCG 502-29
IC	92		Non-Existent		MCG 5-4-20 CGCG 502-29 PGC 4780
NGC	469		Glxy S	15.1	MCG 2-4-23 CGCG 436-24 PGC 4753
NGC	467	H108-1	Glxy SA(s)0 <sup>+</sup> pec?	12.9	UGC 848 MCG 0-4-79 CGCG 385-65 PGC 4736
NGC	463		Glxy S0:	15.1	UGC 840 MCG 3-4-19 CGCG 459-25 PGC 4719
IC	1668		Glxy S	15.9	CGCG 502-24 KUG 116+329 PGC 4712
NGC	462		Glxy		PGC 4667

## Pisces - The Fishes

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 459	H205-3	Glxy Sbc	15.2	UGC 832 MCG 3-4-17 CGCG 459-24 PGC 4665
NGC 453		Non-Existent		
NGC 452		Glxy SBab	13.6	UGC 820 MCG 5-4-10 CGCG 502-20 VV 430 IRAS 1134+3046 PGC 4596
NGC 451		Glxy S?	14.9	IC 1661 PGC 4594 MCG 5-4-11 MK 976 CGCG 502-19 KUG 113+328B
IC 1661		Non-Existent		MCG 5-4-11 MK 976 CGCG 502-19 KUG 113+328B PGC 4594
NGC 449		Glxy (R')S?	14.2	MCG 5-4-9 MK 1 CGCG 502-18 IRAS 1133+3249 KUG 113+328A PGC 4587
IC 1659		Glxy E	14.1	UGC 812 MCG 5-4-8 CGCG 502-17 PGC 4584
IC 89		Non-Existent		UGC 818 MCG 1-4-12 MK 565 CGCG 411-16 UM90 IRAS 1134+401 PGC 4578
NGC 444		Glxy Sd	15	IC 1658 PGC 4561 UGC 810 MCG 5-4-7 CGCG 502-15 KUG 113+308
IC 1658		Non-Existent		UGC 810 MCG 5-4-7 CGCG 502-15 KUG 113+308 PGC 4561
NGC 447		Glxy (R)SB(rs)0/a:	14	IC 1656 PGC 4550 UGC 804 MCG 5-4-6 CGCG 502-13
IC 1656		Non-Existent		UGC 804 MCG 5-4-6 CGCG 502-13 PGC 4550
IC 1654		Glxy (R)SB(r)a	14.1	UGC 798 MCG 5-4-4 CGCG 502-11 PGC 4520
NGC 443		Glxy S:	14	IC 1653 PGC 4512 UGC 796 MCG 5-4-5 CGCG 502-10 4ZW42
IC 1653		Non-Existent		UGC 796 MCG 5-4-5 CGCG 502-10 4ZW42 PGC 4512
IC 1652		Glxy S0/a	14.5	UGC 792 MCG 5-4-3 CGCG 502-9 PGC 4498
NGC 446		Glxy S	15.3	IC 89 PGC 4494 UGC 794 MCG 1-4-6 CGCG 411-10
NGC 437		Glxy S0/a	13.8	UGC 788 MCG 1-4-5 CGCG 411-9 PGC 4464
IC 1648		Glxy S0	15	CGCG 501-131 CGCG 502-7 PGC 4417
IC 1646		Glxy SB	15.3	MCG 2-4-9 CGCG 436-10 PGC 4357
IC 1645		Non-Existent		IC 1645 MCG 2-4-8 CGCG 436-9 PGC 4336
IC 1642		Glxy		IC 1642 MCG 2-4-8 CGCG 436-9 PGC 4336
IC 1638		Glxy S0	15	MCG 5-3-82 CGCG 501-129 CGCG 502-5 ARAK34 PGC 4338
NGC 420	H154-3	Glxy S0:	13.1	UGC 752 MCG 5-3-83 CGCG 501-127 CGCG 502-3 PGC 4320
NGC 421	H155-3	Non-Existent		
IC 1636		Glxy S0	14.9	CGCG 501-125 CGCG 502-1 PGC 4280
IC 1635		Glxy MLT SYS	15.7	UGC 739 MCG 3-4-9 CGCG 459-13 PGC 4231
IC 1634		Glxy MLT SYS	15.7	UGC 740 MCG 3-4-8 CGCG 459-14 PGC 4232
NGC 408		Non-Existent		STAR ESO 538-20 PGC 4221
IC 1632		Non-Existent		
NGC 403		Glxy S0/a:	13.4	UGC 715 MCG 5-3-68 CGCG 501-104 PGC 4111
NGC 402		Non-Existent		
NGC 401		Non-Existent		
IC 61		Glxy Compact	14.9	UGC 589 MCG 1-3-9 CGCG 410-19 PGC 3408
NGC 305		Non-Existent		STAR UGC 27 MCG 1-1-21 CGCG 408-20 PGC 3313
NGC 46		Non-Existent		
NGC 33		Non-Existent		
NGC 7840		Non-Existent S	15.2	PGC 1345780 (?)
NGC 7830		Non-Existent		
IC 5386		Non-Existent		NGC 7832 MCG -1-1-33 PGC 485
IC 5385		Non-Existent		

**Sub Total: 266**

Observed: Yes

## Pisces - The Fishes

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC	3	Glxy E/S0	15	MCG 0-1-38 CGCG 382-32 PGC 836
IC	102	Glxy S0/a	15.4	UGC 954 CGCG 436-40 PGC 5172
IC	1474	Glxy Scd:	14.7	UGC 12417 MCG 1-59-11 CGCG 406-18 IRAS 23103+532 PGC 70702
IC	1468	Glxy (R')SAB0+ pec:	15.5	MCG -1-58-19 PGC 70429
IC	1467	Glxy Sc	15.5	MCG -1-58-17 IRAS 23022-329 PGC 70413
IC	1460	Glxy E2 pec?	15.1	MCG 1-58-15 MK 923 CGCG 405-17 ARAK570 IRAS 22545+424 PGC 70086
IC	1455	Glxy SBa	14.7	UGC 12232 MCG 0-58-11 CGCG 379-14 PGC 69943
IC	162	Glxy S0	13.7	UGC 1267 MCG 2-5-38 MK 1007 CGCG 437-33 VV 53 ARP 228 PGC 6643
IC	156	Glxy S?	14.4	UGC 1231 MCG 2-5-25 CGCG 437-22 PGC 6448
IC	154	Glxy Sb	14.8	UGC 1229 MCG 2-5-23 CGCG 437-21 PGC 6439
IC	114	Glxy S0	15.1	UGC 1015 MCG 2-4-48 CGCG 436-50 PGC 5343
IC	1501	Glxy SAB(s)bc pec:	14.5	MCG -1-60-9 IRAS 23320-325 PGC 71786
IC	1496	Glxy (R)SB(rs)0/a	13.1	MCG -1-59-29 PGC 71634
IC	1492	Glxy SB0+?	13.6	MCG -1-59-28 PGC 71629
IC	1482	Glxy C	15.2	MCG 0-59-29 CGCG 380-37 PGC 71142
IC	1481	Glxy S?	14.4	UGC 12505 CGCG 406-64 IRAS 23168+537 PGC 71070
IC	101	Glxy S?	14.7	UGC 949 MCG 2-4-36 CGCG 436-39 PGC 5147
IC	12	Glxy S	15.7	MCG -1-2-3 IRAS 177-255 PGC 1299
IC	31	Glxy Sa	15.2	UGC 340 MCG 2-2-21 CGCG 434-23 PGC 2062
IC	34	Glxy SB(r)a	13.5	UGC 351 MCG 1-2-32 CGCG 409-44 PGC 2134
IC	35	Glxy Scd:	14.7	UGC 374 MCG 2-2-24 CGCG 434-26 KARA30 PGC 2246
IC	13	Glxy Sbc	14.7	UGC 195 MCG 1-2-3 CGCG 409-2 PGC 1301
IC	1527	Glxy Sb	15.4	MCG 1-1-12 CGCG 408-12 PGC 164
IC	1566	Glxy E/S0	15.3	MCG 1-2-48 CGCG 409-58 PGC 2373
IC	1569	Glxy S0	15.5	MCG 1-2-53 PGC 2430
MAC	0039+0639	Glxy	15.5	
MAC	0039+0635C	Glxy	16	
MAC	0039+0331	Glxy	16	
MAC	0030+0509	Glxy	15.5	
MAC	0011-0530	Glxy	15.5	
MAC	0002+0259	Glxy	16	
IC	5375	Glxy S?	15.2	MCG 1-1-9 CGCG 408-9 PGC 80
IC	5309	Glxy Sb	13.7	UGC 12498 MCG 1-59-42 CGCG 406-61 IRAS 23166+750 PGC 71051
IC	5287	Glxy (R')SB(r)b	14.7	UGC 12393 MCG 0-59-3 CGCG 380-3 KARA1008 PGC 70575
MAC	0040+0650A	Glxy	15.5	
MAC	0040+0645	Glxy	16	
MAC	0040+0644A	Glxy	16	
MAC	0040+0642	Glxy	16	
MAC	0040+0641B	Glxy	16	
MAC	0040+0637	Glxy	16	
MAC	0039+0651B	Glxy	16	
MAC	0039+0651A	Glxy	16	
MAC	0039+0646B	Glxy	16	
MAC	0123+3311	Glxy	16	
MAC	0123+3305	Glxy	16	

## Pisces - The Fishes

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC 0123+3046		Glxy		ARP 70
MAC 0120+1217		Glxy	17	
MAC 0119+1230		Glxy	15.5	
MAC 0117+1442A		Glxy	16	
MAC 0117+1442		Glxy	15	ARP 128
MAC 0117+1437		Glxy	16	
MAC 0109+1419B		Glxy	15.5	
MAC 0107+3222		Glxy	17	
MAC 0107+3220		Glxy	16.5	
MAC 0107+3215		Glxy	16.5	
MAC 0106+3225		Glxy	16.5	
MAC 0040+0657A		Glxy	16.5	
MAC 0040+0653		Glxy	15.5	
MAC 0040+0651A		Glxy	16	
MAC 2317+0725		Glxy	15.5	
MAC 2315-0226B		Glxy	15.5	
MAC 2315-0223A		Glxy	16	
MAC 2315-0219		Glxy	16.5	
MAC 2314-0205		Glxy	16	
MAC 2310+0737		Glxy	16	
MAC 2310+0736A		Glxy	16	
MAC 2310+0735C		Glxy	16	
MAC 2310+0734A		Glxy	15.5	
NGC 12	H868-3	Glxy SAB(rs)c:	13.8	UGC 74 MCG 1-1-40 CGCG 408-38 PGC 645
NGC 4		Glxy	16.8	PGC 620
NGC 3		Glxy S0?	14.2	UGC 58 MCG 1-1-37 CGCG 408-35 ARAK1 IRAS 47+801 PGC 565
MAC 2354+0021		Glxy	17	ARP 323
MAC 2330-0227		Glxy	16.5	
MAC 2330+0005		Glxy	17	
MAC 2328+0330		Glxy	15	
MAC 2325+0001		Glxy	16.5	
MAC 2320+0134		Glxy	16	
NGC 130		Glxy SA0-:	14.9	MCG 0-2-52 CGCG 383-29 PGC 1794
NGC 128	H854-2	Glxy S0 pec sp	12.8	UGC 292 MCG 0-2-51 CGCG 383-29 PGC 1791
NGC 127		Glxy SA0^:	15.3	MCG 0-2-50 CGCG 383-29 IRAS 266+235 PGC 1787
NGC 126		Glxy SB0^?	15.2	MCG 0-2-49 CGCG 383-28 PGC 1784
NGC 125	H869-3	Glxy (R)SA0+ pec:	13.1	UGC 286 MCG 0-2-48 CGCG 383-27 PGC 1772
NGC 106		Glxy Sc	15.1	PGC 1551
NGC 105		Glxy SAab:	13.9	UGC 241 MCG 2-2-8 CGCG 434-9 IRAS 226+1236 PGC 1583
NGC 100		Glxy Scd: sp	13.9	UGC 231 MCG 3-2-9 CGCG 457-12 PGC 1525
NGC 99		Glxy Scd:	14	UGC 230 MCG 2-2-6 CGCG 457-11 CGCG 434-6 IRAS 214+1529 PGC 1523
NGC 741	H271-2	Glxy E0:	12.2	IC 1751 PGC 7252 UGC 1413 MCG 1-6-3 CGCG 413-8 3ZW38 VV 175
NGC 718	H270-2	Glxy SAB(s)a	12.6	UGC 1356 MCG 1-5-41 CGCG 412-39 IRAS 1506+357 KARA68 PGC 6993
NGC 706	H596-2	Glxy Sbc?	13.2	UGC 1334 MCG 1-5-40 CGCG 412-37 IRAS 1492+602 PGC 6897
NGC 693	H859-2	Glxy S0/a?	13.2	UGC 1304 MCG 1-5-35 CGCG 412-33 IRAS 1479+553 PGC 6778

## Pisces - The Fishes

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 676	H42-4	Glxy S0/a: sp	10.4	UGC 1270 MCG 1-5-34 CGCG 412-28 ARAK57 PGC 6656
NGC 665	H588-2	Glxy (R)S0^?	13.2	UGC 1223 MCG 2-5-19 CGCG 437-19 PGC 6415
NGC 660	H253-2	Glxy SB(s)a pec	12	UGC 1201 MCG 2-5-13 CGCG 437-12 IRAS 1403+1323 PGC 6318
NGC 628		Glxy SA(s)c	10	M 74 CGCG 499-52 CGCG 498-80 PGC 5974
NGC 525		Glxy S0	14.2	UGC 972 MCG 1-4-54 CGCG 411-53 PGC 5232
NGC 524	H151-1	Glxy SA(rs)0+	11.3	UGC 968 MCG 1-4-53 CGCG 411-51 IRAS 1221+916 PGC 5222
NGC 522		Glxy Sbc: sp	13.9	UGC 970 MCG 2-4-38 CGCG 436-43 IRAS 1221+944 PGC 5218
NGC 520	H253-3	Glxy Pec	12.2	UGC 966 MCG 1-4-52 CGCG 411-50 VV 231 ARP 157 IRAS 1219+331 PGC 5193
NGC 514	H252-2	Glxy SAB(rs)c	12.2	UGC 947 MCG 2-4-35 CGCG 436-38 IRAS 1214+1239 PGC 5139
NGC 508	H160-3	Glxy E0:	14.1	UGC 939 MCG 5-4-45 CGCG 502-68 VV 207 ARP 229 PGC 5099
NGC 507	H159-3	Glxy SA(r)0^	11.2	UGC 938 MCG 5-4-44 CGCG 502-67 VV 207 ARP 229 PGC 5098
NGC 504		Glxy S0	14	UGC 935 MCG 5-4-41 CGCG 502-64 PGC 5084
NGC 503		Glxy E?	15.1	MCG 5-4-40 CGCG 502-65 PGC 5086
NGC 501		Glxy E0	14.5	CGCG 502-62 PGC 5082
NGC 499	H158-3	Glxy S0-	12.1	IC 1686 PGC 5060 UGC 926 MCG 5-4-38 CGCG 502-59
NGC 496	H157-3	Glxy Sbc	14.1	UGC 927 MCG 5-4-36 CGCG 502-60 IRAS 1203+3316 KUG 120+332A PGC 5061
NGC 495	H156-3	Glxy (R')SB(s)0/a p:	13.9	UGC 920 MCG 5-4-35 CGCG 502-58 PGC 5037
NGC 494		Glxy Sab	13.8	UGC 919 MCG 5-4-34 CGCG 502-57 IRAS 1201+3254 PGC 5035
NGC 488	H252-3	Glxy SA(r)b	10.2	UGC 907 MCG 1-4-33 CGCG 411-33 IRAS 1191+459 PGC 4946
NGC 474	H251-3	Glxy SA(s)0^	12.4	UGC 864 MCG 0-4-85 CGCG 385-71 ARP 227 PGC 4801
NGC 473	H206-3	Glxy SAB(r)0/a:	13.3	UGC 859 MCG 3-4-22 CGCG 459-30 IRAS 1172+1616 PGC 4785
NGC 470	H250-3	Glxy SA(rs)b	12.5	UGC 858 MCG 0-4-84 CGCG 385-70 IRAS 1171+308 PGC 4777
NGC 455		Glxy S?	13.6	UGC 815 MCG 1-4-11 CGCG 411-15 ARP 164 PGC 4572
NGC 414		Glxy Double System	14.5	UGC 744 CGCG 501-123 4ZW39 PGC 4254
NGC 410	H220-2	Glxy E+:	12.5	UGC 735 MCG 5-3-80 CGCG 501-118 PGC 4224
NGC 407	H219-2	Glxy S0/a: sp	14.3	UGC 730 MCG 5-3-77 CGCG 501-115 PGC 4190
NGC 388		Glxy E3:	14.3	MCG 5-3-59 CGCG 501-90 ARAK28 4ZW38 ARP 331 PGC 4005
NGC 387		Glxy E		PGC 3987 ARP 331
NGC 386		Glxy E3:	14.3	MCG 5-3-57 CGCG 501-88 ARAK27 4ZW38 ARP 331 PGC 3989
NGC 385		Glxy SA0-:	12.9	UGC 687 MCG 5-3-56 CGCG 501-85 4ZW38 ARP 331 PGC 3984
NGC 384		Glxy E3	13.1	UGC 686 MCG 5-3-55 CGCG 501-84 ARAK26 4ZW38 ARP 331 PGC 3983
NGC 383	H217-2	Glxy SA0-:	13.4	UGC 689 MCG 5-3-53 CGCG 501-87 4ZW38 VV 193 ARP 331 PGC 3982
NGC 382		Glxy E:	14.2	UGC 688 MCG 5-3-52 CGCG 501-86 4ZW38 VV 193 ARP 331 PGC 3981
NGC 380	H216-2	Glxy E2	13.6	UGC 682 MCG 5-3-51 CGCG 501-81 4ZW38 ARP 331 PGC 3969
NGC 379	H215-2	Glxy S0	12.8	UGC 683 MCG 5-3-50 CGCG 501-82 4ZW38 ARP 331 IRAS 1045+3215 PGC 3966
NGC 375		Glxy E2:	15.2	ARP 331 PGC 3953
NGC 374		Glxy S0/a	14.4	UGC 680 MCG 5-3-48 CGCG 501-80 PGC 3952
NGC 373		Glxy E		PGC 3946
NGC 318		Glxy S0	15.2	CGCG 501-54 PGC 3465
NGC 315	H210-2	Glxy E+:	12.2	UGC 597 MCG 5-3-31 CGCG 501-52 PGC 3455
NGC 311		Glxy S0	14	UGC 592 MCG 5-3-28 CGCG 501-49 PGC 3434
NGC 257	H863-2	Glxy Scd:	13.3	UGC 493 MCG 1-3-3 CGCG 410-6 IRAS 454+801 PGC 2818
NGC 251	H204-3	Glxy Sc	13.9	UGC 490 MCG 3-3-3 CGCG 458-5 PGC 2806
NGC 250		Glxy S0/a	14.6	UGC 487 MCG 1-3-2 CGCG 410-5 IRAS 446+738 PGC 2765

## Pisces - The Fishes

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 246	H25-5	PI Neb 3b	8	PK 118-74.1 PNG 118.8-74.7
NGC 240		Glxy S0/a	14.5	UGC 473 MCG 1-3-1 CGCG 410-3 PGC 2653
NGC 236		Glxy SAB(s)c	14.2	UGC 462 MCG 0-3-1 CGCG 383-80 IRAS 409+241 PGC 2596
NGC 234	H245-2	Glxy SAB(rs)c	13.2	UGC 463 MCG 2-2-28 CGCG 434-32 CGCG 435-1 IRAS 409+1404 PGC 2600
NGC 213	H200-3	Glxy SB(rs)a	14.2	UGC 436 MCG 3-2-23 CGCG 457-26 PGC 2469
NGC 208		Glxy SA(r)a?	15.2	MCG 0-2-118 CGCG 383-64 PGC 2420
NGC 204		Glxy SA(s)0^ pec:	12.8	UGC 423 MCG 0-2-116 CGCG 383-63 PGC 2397
NGC 203		Glxy S0^ pec:	15	NGC 211 PGC 2393 MCG 0-2-114 CGCG 383-61
NGC 202		Glxy SB(s)0+?	15.3	UGC 421 MCG 0-2-113 CGCG 383-62 PGC 2394
NGC 200	H858-2	Glxy SB(s)bc	13.5	UGC 420 MCG 0-2-112 CGCG 383-60 IRAS 370+236 PGC 2387
NGC 199		Glxy SA0^ pec:	14.6	UGC 415 MCG 0-2-111 CGCG 383-58 PGC 2382
NGC 198	H857-2	Glxy SA(r)c	13.9	UGC 414 MCG 0-2-109 CGCG 383-57 IRAS 367+231 PGC 2371
NGC 194	H856-2	Glxy E	13.2	UGC 407 MCG 0-2-105 CGCG 383-54 PGC 2362
NGC 193	H595-3	Glxy SAB(s)0-:	13.3	UGC 408 MCG 0-2-103 CGCG 383-55 PGC 2359
NGC 190		Glxy Sab	14.9	UGC 397 MCG 1-2-41 CGCG 409-51 3ZW10 Hickson 5A PGC 2324
NGC 186		Glxy SB0+ pec:	14.4	UGC 390 MCG 0-2-98 CGCG 383-47 PGC 2291
NGC 182	H870-3	Glxy (R')SAB(rs)a p:	12.3	UGC 382 MCG 0-2-95 CGCG 383-45 PGC 2279
NGC 180	H876-3	Glxy SB(rs)bc	13.7	UGC 380 MCG 1-2-39 CGCG 409-50 IRAS 353+821 PGC 2268
NGC 164		Glxy S	16.6	MCG 0-2-89 PGC 2181
NGC 141		Glxy	15.3	CGCG 409-27 PGC 1918
NGC 139		Glxy SB?	15.3	CGCG 409-22 PGC 1900
NGC 138		Glxy Sa:	14.6	UGC 308 MCG 1-2-16 CGCG 409-23 PGC 1889
NGC 137	H471-2	Glxy S0	13.7	UGC 309 MCG 2-2-17 CGCG 434-19 KARA25 PGC 1888
NGC 95	H257-2	Glxy SAB(rs)c pec	13.2	UGC 214 MCG 2-2-3 CGCG 434-3 IRAS 196+1012 PGC 1426
NGC 78B		Glxy S0^ pec?	14.4	UGC 194 MCG 0-2-5 MK 547 CGCG 383-1 KUG 17+5 PGC 1309
NGC 78A		Glxy SB0a	13.7	NGC 78A UGC 193 MCG 0-2-4 CGCG 383-1 IRAS 178+32 PGC 1306
NGC 75		Glxy S0	14.2	UGC 182 MCG 1-1-51 CGCG 408-48 PGC 1255
NGC 63		Glxy S pec	12.6	UGC 167 MCG 2-1-30 CGCG 433-42 IRAS 151+1110 PGC 1160
NGC 57	H241-2	Glxy E	12.7	UGC 145 MCG 3-1-31 CGCG 456-46 PGC 1037
NGC 38		Glxy (R)SAa:	13.5	MCG -1-1-47 PGC 818
NGC 36	H456-3	Glxy SAB(rs)b	13.9	UGC 106 MCG 1-1-43 CGCG 408-40 IRAS 88+606 PGC 798
MAC 2310+0734		Glxy	16	
MAC 2310+0732B		Glxy	17	
MAC 2310+0732A		Glxy	16.5	
MAC 2310+0732		Glxy	15.5	
MAC 2305+0306		Glxy	16.5	
MAC 2305+0232		Glxy	16.5	
MAC 2252+0106		Glxy	16	
MAC 2252+0103		Glxy	15.5	
MAC 0039+0646A		Glxy	16	
MAC 0039+0645		Glxy	16	
MAC 0039+0643B		Glxy	16	
MAC 0039+0643A		Glxy	16	
MAC 0039+0642B		Glxy	15.5	
MAC 0039+0642A		Glxy	16	

## Pisces - The Fishes

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC 0039+0641B		Glxy	15.5	
MAC 0039+0641A		Glxy	15	
IC 1690		Glxy S0	14.9	CGCG 502-71 PGC 5110
IC 1689		Glxy S0?	14.7	MCG 5-4-46 CGCG 502-70 PGC 5108
IC 1687		Glxy S?	14.6	MCG 5-4-39 CGCG 502-61 PGC 5074
IC 1568		Glxy S0	15.6	MCG 1-2-52 CGCG 409-61 PGC 2404
IC 1565		Glxy S?	14.3	UGC 410 MCG 1-2-47 CGCG 409-57 PGC 2372
IC 1552		Glxy S	15.3	UGC 297 MCG 3-2-15 CGCG 457-18 IRAS 271+2111 KARA23 PGC 1817
IC 1549		Glxy S?	14.6	UGC 218 MCG 1-2-5 CGCG 409-8 PGC 1464
IC 1564		Glxy SABbc:	14.7	UGC 399 MCG 1-2-44 CGCG 409-53 PGC 2342
IC 5374		Glxy S?	15.2	MCG 1-1-10 CGCG 408-8 PGC 79
IC 5359		Glxy S?	15.7	MCG -1-60-36 Hickson 97B PGC 72430
IC 5357		Glxy SAB0- pec:	14	MCG -1-60-33 Hickson 97A PGC 72408
IC 5356		Glxy S?	15	MCG -1-60-34 Hickson 97C PGC 72409
IC 5351		Glxy E?	14.6	MCG -1-60-32 Hickson 97D PGC 72404
IC 1551		Glxy S?	14.3	UGC 268 MCG 1-2-13 CGCG 409-16 IRAS 250+836 KARA22 PGC 1700
NGC 1638	H525-2	Glxy SAB(rs)0^?	12.9	UGC 3133 MCG 0-12-69 CGCG 393-68 PGC 15824
NGC 7396		Glxy Sa pec sp	13.8	UGC 12220 MCG 0-58-7 CGCG 379-10 IRAS 22498+49 PGC 69889
NGC 7521		Glxy SB0^?	14.9	MCG 0-59-9 CGCG 380-11 ARAK578 PGC 70725
NGC 7518		Glxy (R)SAB(r)a	14.2	UGC 12422 MCG 1-59-12 MK 527 CGCG 406-20 IRAS 23106+603 PGC 70712
NGC 7517		Glxy E+?	15.4	MCG 0-59-8 CGCG 380-10 PGC 70715
NGC 7506	H184-3	Glxy (R')SB(r)0+:	13.9	UGC 12406 MCG 0-59-5 CGCG 380-6 PGC 70660
NGC 7503		Glxy E2:	14.3	MCG 1-59-8 CGCG 406-12 PGC 70628
NGC 7501		Glxy E1:	14.6	MCG 1-59-7 CGCG 406-8 PGC 70619
NGC 7499		Glxy SA(s)0^:	13.9	UGC 12397 MCG 1-59-5 CGCG 406-7 PGC 70608
NGC 7488		Glxy S0- pec:	14.8	MCG 0-59-1 CGCG 380-1 ARAK576 PGC 70539
NGC 7483		Glxy (R')SAB(rs)a	13.9	UGC 12353 MCG 0-58-30 CGCG 379-32 IRAS 23032+316 PGC 70455
PGC 70824		Glxy S	15.9	MCG -1-59-8
PGC 70708		Glxy Sc:	14.5	UGC 12423 MCG 1-59-13 CGCG 406-21
PGC 70603		Glxy L	15.5	MCG 1-59-3
PGC 70466		Glxy Spiral	15.1	MCG 0-58-31 CGCG 379-33 IRAS 23033+243
PGC 70289		Glxy Sbc	14.5	MCG 0-58-22
PGC 70255		Glxy Double System	14	UGC 12302
PGC 7417		Glxy SBm pec:	13.9	UGC 1449 MCG 0-6-9 MK 582 CGCG 387-15 VV 122 ARP 126 IRAS 1555+250 ANON 155+2
PGC 7415		Glxy SBm: pec	14.5	MCG 0-6-10 UM152 VV 122 ARP 126
PGC 6653		Glxy Sb	16.1	MCG 2-5-39 ARP 228
PGC 6644		Glxy S?	14.7	UGC 1266 MCG 2-5-36 CGCG 437-34 VV 54
PGC 6292		Glxy Im:	13.4	UGC 1195 MCG 2-5-11 CGCG 437-10
PGC 5759		Glxy Dwarf Irr	15.5	UGC 1105 MCG 1-5-3 UM112 VV 173 VV 174 ARP 306
PGC 5744		Glxy S?	14.3	UGC 1102 MCG 1-5-2 CGCG 412-2 UM111 VV 173 VV 174 ARP 306
PGC 5213		Glxy SBb	15.3	UGC 969 MCG 2-4-37 CGCG 411-52 CGCG 436-42
PGC 5129		Glxy S?	15.2	MCG 5-4-48 CGCG 502-72 ARAK39
PGC 5100		Glxy		
PGC 5085		Glxy S?	14.4	UGC 934 MCG 5-4-42 CGCG 502-63 VV 341 ARP 70
PGC 4789		Glxy	15.7	CGCG 436-26 ARP 48

## Pisces - The Fishes

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 4750		Glxy Sdm:	14.7	UGC 849 MCG 2-4-21 MK 984 CGCG 436-22 VV 347 ARP 119 IRAS 1167+1211
PGC 4748		Glxy E?	14.9	MCG 2-4-22 MK 983 CGCG 436-23 VV 347 ARP 119
PGC 4728		Glxy		ARP 88
PGC 4645		Glxy Double System	15.4	UGC 827 MCG 2-4-18 CGCG 436-18 VV 205 ARP 128
PGC 4583		Glxy SB	16.6	MCG 1-4-13
PGC 4568		Glxy	15	CGCG 411-14
PGC 4559		Glxy Sbc	16.8	MCG 1-4-10
PGC 4124		Glxy SBb	14.9	UGC 719 MCG 2-4-5 CGCG 436-6 VV 348 ARP 11
PGC 4123		Glxy S	17.3	MCG 2-4-4
PGC 4118		Glxy SB	15.6	MCG 2-4-2
PGC 4116		Glxy SBb	14.4	UGC 717 MCG 2-4-3 CGCG 436-5 VV 348 ARP 11 IRAS 1066+1403
PGC 3950		Glxy Sdm?	16.6	UGC 679 MCG 5-3-49
PGC 3366		Glxy E/S0	15.6	MCG 4-3-20 CGCG 480-24
PGC 3133		Glxy S?	14.2	UGC 542 MCG 5-3-17 CGCG 501-32
PGC 2431		Glxy S0:	14.9	UGC 429 CGCG 409-62
PGC 2401		Glxy		UM57
PGC 2330		Glxy S	15.4	MCG 1-2-43 CGCG 409-52
PGC 2326		Glxy C	17.3	3ZW10 Hickson 5D
PGC 2325		Glxy S0?	15.7	MCG 1-2-42 CGCG 409-51 3ZW10 Hickson 5B
PGC 2322		Glxy C	16.5	3ZW10 Hickson 5C
PGC 2283		Glxy S	14.2	UGC 383 MCG 1-2-40
PGC 2139		Glxy Sc	15.3	UGC 353 MCG 1-2-33 CGCG 409-45
PGC 1934		Glxy Sb-c	16	UGC 315 Hickson 2D
PGC 1927		Glxy S?	15	UGC 314 MCG 1-2-20 CGCG 409-30 Hickson 2C
PGC 1921		Glxy SB?	13.9	UGC 312 MCG 1-2-19 CGCG 409-28 Hickson 2A
PGC 1914		Glxy S?	14.5	MCG 1-2-18 MK 552 CGCG 409-26 IRAS 287+811 ANON 28+8 Hickson 2B
PGC 1665		Glxy Scd:	13.7	UGC 260 MCG 2-2-11 CGCG 434-13 IRAS 244+1118
PGC 1504		Glxy L	15.4	UGC 224 MCG 0-2-19 VV 38 ARP 201
PGC 1503		Glxy Disrupted	15.4	UGC 224 MCG 0-2-18 CGCG 383-6 VV 38 ARP 201
PGC 1461		Glxy Sc	15.2	MCG 1-2-4 CGCG 409-7
PGC 1434		Glxy SB	14.7	UGC 212 MCG 0-2-14 MCG 0-2-15 CGCG 383-4 UM231 VV 257 ARP 35 IRAS 198-134
PGC 1431		Glxy S	15.5	KUG 19-16
PGC 1416		Glxy S	15.5	MCG 0-2-12 UM230 KUG 19-17
PGC 1300		Glxy S	14.9	MCG -1-2-4
PGC 1283		Glxy	15.5	MCG 1-2-2 CGCG 409-1 VV 634
PGC 1282		Glxy S	15.5	MCG 1-2-1 CGCG 409-1 VV 634
PGC 1256		Glxy	15.5	MCG 1-1-50
PGC 797		Glxy S	17.2	MCG 1-1-44
PGC 535		Glxy E		MCG -1-1-35
PGC 515		Glxy SAc	14.3	UGC 52 MCG 1-1-34 CGCG 408-32 IRAS 42+821
PGC 376		Glxy	15.5	CGCG 408-27
PGC 353		Glxy SB0/a	15	UGC 33 MCG 1-1-24 CGCG 408-23
PGC 96		Glxy Sb-c	15.6	UGC 12903 MCG 1-1-11 CGCG 408-10
PGC 39		Glxy SBa-b	15.4	UGC 12892 MCG 1-1-7 CGCG 408-6
PGC 1		Glxy		

## Pisces - The Fishes

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 7838		Glxy Sb	15.3	MCG 1-1-36 CGCG 408-34 ARP 246 PGC 525
NGC 7837		Glxy Sb	15.4	MCG 1-1-35 CGCG 408-34 ARP 246 IRAS 42+804 PGC 516
NGC 7835		Glxy Sb	15.5	MCG 1-1-31 PGC 505
NGC 7834		Glxy Scd:	14.9	UGC 49 MCG 1-1-30 CGCG 408-30 PGC 504
NGC 7832	H190-3	Glxy E+	13.3	IC 5386 PGC 485 MCG -1-1-33
NGC 7827		Glxy SB0	14.9	UGC 38 MCG 1-1-27 CGCG 408-24 PGC 378
NGC 7825		Glxy SBb	14.5	UGC 37 MCG 1-1-28 CGCG 408-28 PGC 377
NGC 7824		Glxy Sab	14.1	UGC 34 MCG 1-1-25 CGCG 408-25 PGC 354
NGC 7820		Glxy S0/a	13.9	UGC 28 MCG 1-1-22 CGCG 408-21 PGC 307
NGC 7818		Glxy Scd:	14.7	UGC 21 MCG 1-1-19 CGCG 408-19 PGC 288
NGC 7816	H436-3	Glxy Sbc	13.6	UGC 16 MCG 1-1-18 CGCG 408-18 IRAS 12+712 PGC 263
NGC 7811		Glxy clm??	15.1	MCG 0-1-20 MK 543 CGCG 382-19 3ZW127 PGC 168
NGC 7809		Glxy lm?	15.1	MCG 0-1-19 CGCG 382-18 3ZW126 PGC 158
NGC 7802		Glxy S0	14.5	UGC 12902 MCG 1-1-8 CGCG 408-7 PGC 81
NGC 7785	H468-2	Glxy E5-6	12.6	UGC 12841 MCG 1-60-49 CGCG 407-75 KARA1045 PGC 72867
NGC 7783		Glxy	14	UGC 12837 MCG 0-60-58 CGCG 381-60 VV 208 ARP 323 Hickson 98A PGC 72803
NGC 7782	H233-3	Glxy SA(s)b	13.1	UGC 12834 MCG 1-60-48 CGCG 407-73 IRAS 23513+741 PGC 72788
NGC 7781		Glxy S?	15	MCG 1-60-47 CGCG 407-72 PGC 72785
NGC 7779	H232-3	Glxy (R')SA0/a:	13.7	UGC 12831 MCG 1-60-45 CGCG 407-70 ARAK586 PGC 72770
NGC 7778	H231-3	Glxy E	13.7	UGC 12827 MCG 1-60-43 CGCG 407-69 ARAK586 PGC 72756
NGC 7757		Glxy SA(rs)c	13.1	UGC 12788 MCG 1-60-37 CGCG 407-59 UM7 VV 407 ARP 68 IRAS 23461+353 PGC 72491
NGC 7756		Glxy	14	PGC 72493
NGC 7716		Glxy SAB(r)b:	12.8	UGC 12702 MCG 0-60-19 CGCG 381-13 IRAS 23339+1 PGC 71883
NGC 7715		Glxy lm pec sp	14.7	UGC 12700 MCG 0-60-18 CGCG 381-12 VV 51 ARP 284 PGC 71878
NGC 7714		Glxy SB(s)b: pec	13	UGC 12699 MCG 0-60-17 MK 538 CGCG 381-11 UM167 VV 51 ARP 284 PGC 71868
NGC 7701	H188-3	Glxy	14.4	MCG -1-60-6 PGC 71777
NGC 7700		Glxy S0+	15.1	MCG -1-60-7 PGC 71779
NGC 7699		Glxy Sa	15.9	PGC 71782
NGC 7687		Glxy SAB(rs)0 <sup>^</sup> pec?	14.4	MCG 0-59-51 CGCG 380-66 PGC 71635
NGC 7685	H426-3	Glxy SAB(s)c:	13.8	UGC 12638 MCG 1-59-87 CGCG 406-121 IRAS 23279+337 PGC 71628
NGC 7684		Glxy S0+	14.6	UGC 12637 MCG 0-59-50 CGCG 380-65 PGC 71625
NGC 7682		Glxy SB(r)ab	14.1	UGC 12622 MCG 0-59-47 CGCG 380-62 VV 329 ARP 216 PGC 71566
NGC 7679		Glxy SB0 pec:	13.5	UGC 12618 MCG 0-59-46 MK 534 CGCG 380-61 VV 329 ARP 216 IRAS 23262+314 PGC 71554
NGC 7667		Glxy SB(s)m pec	14.5	UGC 12578 MCG 0-59-38 CGCG 380-50 UM160 VV 613 PGC 71345
NGC 7642		Glxy Sa pec?	14.6	UGC 12560 MCG 0-59-35 CGCG 380-48 IRAS 23202+109 PGC 71264
NGC 7629		Glxy SB0 <sup>^</sup> ?	14.8	MCG 0-59-31 CGCG 380-40 PGC 71175
NGC 7617		Glxy SA0 <sup>^</sup> :	13.8	MCG 1-59-51A CGCG 406-72 PGC 71113
NGC 7613		Glxy		PGC 71095
NGC 7611		Glxy SB0+:	12.5	UGC 12509 MCG 1-59-49 CGCG 406-66 PGC 71083
NGC 7604		Glxy E	15.5	MCG 1-59-33 CGCG 406-48 PGC 70974
NGC 7603		Glxy SA(rs)b: pec	14	UGC 12493 MCG 0-59-21 MK 530 CGCG 380-26 UM156 ARP 92 IRAS 23163-1 PGC 71035
PGC 1345780		Glxy	16.5	NGC 7480 (?)
PGC 72810		Glxy E?	16.3	ARP 323 Hickson 98C

## Pisces - The Fishes

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 72808		Glxy E?	15	UGC 12837 MCG 0-60-59 CGCG 381-60 VV 208 ARP 323 Hickson 98B
PGC 72806		Glxy S0+?	17.5	UGC 12837 MCG 0-60-60 VV 208 ARP 323 Hickson 98D
PGC 72405		Glxy L	16.6	Hickson 97E
PGC 71752		Glxy SB(s)d	15.3	MCG -1-60-5
PGC 71630		Glxy Compact	15.2	CGCG 406-122
PGC 71626		Glxy SB(r)b pec:	13	MCG -1-59-27 UM163 IRAS 23279-244
PGC 71611		Glxy SA(rs)d:	14.9	UGC 12635 MCG 0-59-49 CGCG 380-64
PGC 71610		Glxy S	15.5	MCG -1-59-26
PGC 71578		Glxy SB(rs)c:	14.9	UGC 12628 MCG 0-59-48 CGCG 380-63
PGC 71381		Glxy S-Irr	15.2	UGC 12589 MCG 0-59-42 CGCG 380-54 VV 492 IRAS 23224-16
PGC 71266		Glxy S	15.3	MCG 0-59-36 CGCG 380-49
PGC 71218		Glxy Sbc	15.5	MCG 0-59-34 CGCG 380-44 UM159
PGC 71183		Glxy S R	15.4	MCG 0-59-32 CGCG 380-42
PGC 71130		Glxy Triple System	15.1	UGC 12525 MCG 0-59-27 CGCG 380-36
PGC 71041		Glxy	16.7	ARP 92
NGC 7482		Glxy E	13.7	NGC 7472 PGC 70446 CGCG 379-31 MCG +0-58-29 Arak 574
NGC 7480		Glxy S0/a: sp	14.9	UGC 12349 MCG 0-58-27 CGCG 379-30 PGC 70432
NGC 7478		Glxy Sa	16.2	PGC 70418
NGC 7460		Glxy SB(s)b pec:	13.6	UGC 12312 MCG 0-58-21 CGCG 379-23 IRAS 22591+159 PGC 70287
NGC 7458	H590-2	Glxy E	13.6	UGC 12309 MCG 0-58-20 CGCG 379-22 PGC 70277
NGC 7455		Glxy Sa	15.2	MK 523 PGC 70246
NGC 7452		Glxy S	17.3	MCG 1-58-21 PGC 70261
NGC 7434		Glxy E/S0	15.7	MCG 0-58-16 CGCG 379-17 PGC 70145
NGC 7591		Glxy SBbc	13.9	UGC 12486 MCG 1-59-38 CGCG 406-53 IRAS 23157+618 PGC 70996
NGC 7589		Glxy SAB(rs)a:	15	MCG 0-59-19 CGCG 380-24 PGC 70995
NGC 7583		Glxy S?	14.7	NGC 7605 PGC 70975 MCG 1-59-34 CGCG 406-47
NGC 7577		Glxy		PGC 70947
NGC 7566	H185-3	Glxy (R')SB(rs)a pec	14.5	MCG -1-59-10 PGC 70901
NGC 7564		Glxy E?	15.5	CGCG 406-36 PGC 70843
NGC 7562A		Glxy Sdm: sp	15.5	MCG 1-59-25 PGC 70880
NGC 7562	H467-2	Glxy E2-3	12.6	UGC 12464 MCG 1-59-24 CGCG 406-39 PGC 70874
NGC 7557		Glxy S?	15.1	MCG 1-59-21 CGCG 406-35 PGC 70854
NGC 7556	H235-2	Glxy S0-	12.5	MCG -1-59-9 PGC 70855
NGC 7554		Glxy E	16.5	3ZW99 PGC 70850
NGC 7546		Glxy SAB(r)bc:	14.5	MCG -1-59-7 PGC 70820
NGC 7544		Glxy S0	16.3	PGC 70811
NGC 7541	H430-2	Glxy SB(rs)bc: pec	12.4	NGC 7581 PGC 70795 UGC 12447 MCG 1-59-17 CGCG 406-30 IRAS 23121+415
NGC 7537	H429-2	Glxy SAbc:	13.9	UGC 12442 MCG 1-59-16 CGCG 406-28 PGC 70786
NGC 7534		Glxy IB(s)m	14.5	MCG -1-59-6 PGC 70781
NGC 7533		Glxy S0/a	15.7	CGCG 380-13 PGC 70778
NGC 7532		Glxy S0+ pec:	14.3	MCG -1-59-5 MK 529 IRAS 23117-300 PGC 70779
NGC 7530		Glxy S0/a	13.1	MCG -1-59-4 PGC 70759
NGC 7524		Glxy S0/a	15.5	MCG 0-59-10 PGC 70737
NGC 7398		Glxy SA(r)a:	14.5	UGC 12225 MCG 0-58-9 CGCG 379-12 PGC 69905
NGC 7401		Glxy Sa	15	PGC 69911

## Pisces - The Fishes

Observed: Yes

<b>Object</b>	<b>Her</b>	<b>Type</b>	<b>Mag</b>	<b>Alias/Notes</b>
NGC 7402		Glxy S0 pec:	15.4	MCG 0-58-10 CGCG 379-13 PGC 69914
NGC 7428		Glxy (R)SAB(r)a pec:	13.4	UGC 12262 MCG 0-58-14 CGCG 379-16 KARA1001 PGC 70098
NGC 7422		Glxy SB(s)b:	14.2	UGC 12254 MCG 1-58-13 CGCG 405-15 IRAS 22536+339 PGC 70048
NGC 7397		Glxy SB(rs)0/a	15.1	MCG 0-58-8 CGCG 379-11 PGC 69904
<b>Sub Total:</b>		<b>361</b>		
<b>Total:</b>		<b>627</b>		

## Puppis - The Stern of The Argo

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 2409		Non-Existent		
NGC 2413	H52-8	Non-Existent		
NGC 2448		Non-Existent		
IC 2206		Non-Existent		(STAR)
NGC 2542		Non-Existent		
NGC 2478		Non-Existent		M 47 Cr 152 NGC 2422

**Sub Total: 6**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
CR 185		Open Cl III2m	7.8	
IC 500		Glxy E	15.9	MCG -3-21-7 PGC 23011
ESO 370-9		PI Neb	11.5	PNG 254.6+0.2
PGC 22177		Glxy SB(r)b?	13.8	ESO 430-1 IRAS 7531-2802
PGC 22272		Glxy Sbc: sp	14.1	ESO 494-07 IRAS 7547-2446
PGC 22319		Glxy SB(s)bc	15.5	MCG -2-21-1
SH2 311		Nebula E		LBN 1067 SH2-311
SAND 2-21		PI Neb	13.6	Sanduleak 2-21 PK 238+7.2 PNG 238.9+7.3 ESO 561-16
PGC 23449		Glxy Sb	14.9	MCG -2-22-3
PGC 23291		Glxy E/S0	14.8	ESO 495-1 MCG -4-20-5
PGC 23034		Glxy S	15.5	MCG -3-21-8
NGC 2200		Glxy SB(r)c	14.8	ESO 254-39 MCG -7-13-6 PGC 18652
NGC 2201		Glxy SAB(r)b:	14.2	ESO 254-40 MCG -7-13-7 PGC 18658
NGC 2220		Open Cl cluster?		
NGC 2310		Glxy S0 sp	12.7	ESO 309-7 MCG -7-15-1 PGC 19811
NGC 2396	H36-8	Open Cl 11.0 IV 1 m	7.4	
NGC 2430	H46-8	Open Cl asterism?		
NGC 2428	H47-8	Open Cl cluster?		
NGC 2427		Glxy SAB(s)dm	12.3	ESO 208-27 PGC 21375
NGC 2425	H87-8	Open Cl 14.0 II 1 m		
NGC 2423	H28-7	Open Cl 9.0 II 2 m	6.7	
NGC 2422	H38-8	Open Cl 5.0 I 3 m	4.4	M 47 Cr 152 NGC 2478
NGC 2421	H67-7	Open Cl 11.0 I 2 r	8.3	
NGC 2414	H37-8	Open Cl 8.2 I 3 m	7.9	
NGC 2401	H65-7	Open Cl I 1 p	12.6	
NGC 2588		Open Cl II 1 p	11.8	
NGC 2587		Open Cl III 2 m	9.2	
NGC 2580		Open Cl II 2 m	9.7	
NGC 2579		Open Cl 9.5 IV 2 p	7.5	
NGC 2578	H902-3	Glxy SB(r)0/a pec	13.5	MCG -2-22-2 IRAS 8191-1310 PGC 23440
NGC 2571	H39-6	Open Cl 8.8 II 3 m	7	
NGC 2568		Open Cl 11.0 II 2 m	10.7	
NGC 2567	H64-7	Open Cl 11.0 II 2 m	7.4	
NGC 2566	H288-3	Glxy (R')SB(rs)ab p:	11.8	ESO 495-3 MCG -4-20-8 UGC A138 IRAS 8166-2520 PGC 23303

## Puppis - The Stern of The Argo

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 2564		Glxy S0-	14.2	ESO 562-1 PGC 23290
NGC 2559		Glxy SB(s)bc pec:	11.7	ESO 494-41 MCG -4-20-3 UGC A136 VV 475 PGC 23222
NGC 2546		Open Cl 7.0 III 2 m	6.3	
NGC 2539	H11-7	Open Cl 9.0 III 2 m	6.5	
NGC 2533		Open Cl 9.0 II 2 r	7.6	
NGC 2527	H30-8	Open Cl II 2m	6.5	NGC 2520
NGC 2525	H877-3	Glxy SB(s)c	12.3	MCG -2-21-4 UGC A135 IRAS 8032-1117 PGC 22721
NGC 2517		Glxy SAB(rs)0 <sup>^</sup> :	12.7	MCG -2-21-3 PGC 22578
NGC 2509	H1-8	Open Cl I 1 r	9.3	
NGC 2501		Glxy SAB(r)0 <sup>^</sup> ?	14.5	MCG -2-21-2 IRAS 7561-1413 PGC 22354
NGC 2489	H23-7	Open Cl 11.0 I 2 m	7.9	
NGC 2483		Open Cl 9.3 III 2 m	7.6	
NGC 2482	H10-7	Open Cl 10.0 IV 1 m	7.3	
NGC 2479	H58-7	Open Cl III 1 m	9.6	
NGC 2477		Open Cl 12.0 I 2 r	5.8	
NGC 2467	H22-4	Open Cl I 3 m n	7.1	
NGC 2455		Open Cl 12.0 III 2 m	10.2	
NGC 2453		Open Cl 9.5 I 3 m	8.3	
NGC 2452		PI Neb 4+3	12.6	ESO 493-11 RCW 17 Henize 2-4
NGC 2451		Open Cl 6.0 II 2 m	2.8	
NGC 2447		Open Cl 9.0 I 3 r	6.2	M 93 Cr 160
NGC 2440	H64-4	PI Neb 5+3	10.8	ESO 560-9 Sanduleak 2-14 PK 234+2.1
NGC 2439		Open Cl 9.0 II 3 r	6.9	
NGC 2438	H39-4	PI Neb 4+2	10.1	Sanduleak 2-13 PK 231+4.2 PNG 231.8+4.1
NGC 2437		Open Cl 10.0 II 2 r	6.1	M 46 Cr 159
NGC 2432	H36-6	Open Cl II 2 m	10.2	
NGC 2328		Glxy (R')SAB0-?	12.8	ESO 309-16 MCG -7-15-2 IRAS 7010-4159 PGC 20046
NGC 2298		Globular	9.3	
IC 2311		Glxy E0:	12.5	ESO 495-2 MCG -4-20-7 PGC 23304
IC 2377		Glxy SB(r)a pec?	14.5	MCG -2-22-15 IRAS 8240-1308 PGC 23683
IC 2379		Glxy S0/a	14.5	MCG -2-22-16 PGC 23681
LBN 1066		Nebula E		
IC 2375		Glxy SB(s)b pec:	14.5	MCG -2-22-14 PGC 23672
IC 2367		Glxy SB(r)b	13.5	MCG -3-22-1 PGC 23579

**Sub Total: 68****Total: 74**

## Pyxis - The Compass

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 2635		Open Cl 13.0 II 1 p	11.2	
NGC 2821		Glxy Sbc: sp	13.8	ESO 497-34 MCG -4-22-7 IRAS 9145-2636 PGC 26192
NGC 2883		Glxy IB(s)m pec:	16	ESO 372-24 MCG -6-21-5 VV 768 IRAS 9232-3353 PGC 26713
NGC 2891		Glxy SA0-:	13.5	ESO 498-8 MCG -4-23-3 PGC 26794
NGC 2888		Glxy E+:	13.6	ESO 434-2 MCG -5-23-1 PGC 26768
IC 2469		Glxy SB(rs)ab	12.3	ESO 433-17 MCG -5-22-8 UGC A163 IRAS 9208-3214 PGC 26561
NGC 2772		Glxy Sb: pec sp	14.2	ESO 497-14 MCG -4-22-2 IRAS 9054-2325 PGC 25654
NGC 2658		Open Cl 12.0 I 2 r	9.2	
NGC 2663		Glxy E	11.9	ESO 371-14 MCG -6-20-1 PGC 24590
NGC 2717		Glxy SAB(s)0-	13.4	ESO 496-21 MCG -4-21-15 PGC 25146

**Sub Total: 10**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC 0847-2003		Glxy	16.5	
MINK 3-6		PI Neb 2a	10.7	PK 254+5.1 Minkowski 3-6 Henize 2-12 Sandeleak 2-29 Wray 16-25
NGC 2613	H266-2	Glxy SA(s)b	11.2	ESO 495-18 MCG -4-21-3 UGC A141 IRAS 8311-2248 PGC 23997
NGC 2627	H63-7	Open Cl 11.0 II 2 r	8.4	
NGC 2818		PI Neb PN	11.6	ESO 372-13 Henize 2-23 Sanduleak 2-39
NGC 2818A		Open Cl III 1 m n	8.2	Cr 206 Mel 96
PGC 24479		Glxy SBd?sp	16.1	MCG -3-22-15 IRAS 8407-1952 ESO 563-14
PGC 24685		Glxy SABc: sp	13.7	ESO 563-21 MCG -3-23-5 IRAS 8450-1951 UGCA 145

**Sub Total: 8****Total: 18**

## Reticulum - The Reticle

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 1313		Glxy SB(s)d	9.2	ESO 82-11 VV 436 IRAS 3176-6640 PGC 12286
IC 1980		Glxy Sb? sp pec	14.9	ESO 117-2 PGC 13345
IC 2025		Glxy Sb: sp	16.2	ESO 156-28 PGC 14257
IC 2024		Glxy SB(s)cd? sp	15.5	ESO 156-26 IRAS 3588-5330 PGC 14249
IC 2020		Glxy S	15.6	ESO 156-22 PGC 14211
IC 2022		Glxy S	16.1	ESO 117-17 FAIR19 PGC 14203
IC 2017		Glxy SA0 <sup>^</sup> : pec	14.9	ESO 117-15 IRAS 3557-5932 PGC 14140
NGC 1503		Glxy SB(rs)0+?	14.4	ESO 83-13 IRAS 3561-6611 PGC 14137
IC 2014		Glxy SB(s)c:	15.5	ESO 156-20 PGC 14108
NGC 1490		Glxy E1	13.4	ESO 83-11 PGC 14040
IC 2012		Glxy	16.3	ESO 117-13 PGC 14027
IC 2056		Glxy (R)SAB(r)bc:	12.5	ESO 118-16 IRAS 4155-6019 PGC 14773
NGC 1543		Glxy (R)SB(s)0 <sup>^</sup>	11.5	ESO 118-10 IRAS 4117-5751 PGC 14659
IC 2049		Glxy SAB(s)d?	14.5	ESO 118-9 PGC 14636
NGC 1536		Glxy SB(s)c pec:	13.2	ESO 157-5 IRAS 4099-5636 PGC 14620
NGC 1534		Glxy SA(rs)0/a: sp	13.7	ESO 84-6 IRAS 4081-6255 PGC 14547
IC 2037		Glxy Sb sp	14.7	ESO 118-1 IRAS 4073-5852 PGC 14521
NGC 1529		Glxy S0 <sup>^</sup> : sp	14.4	ESO 84-4 PGC 14495
IC 2034		Glxy Sc: sp	15.8	ESO 117-22 PGC 14469
NGC 1526		Glxy Sbc	14.6	ESO 84-3 IRAS 4048-6558 PGC 14437
NGC 1574		Glxy SA(s)0-:	11.4	ESO 157-22 PGC 14965
IC 2060		Glxy S0-: pec	14.9	ESO 157-19 PGC 14823
NGC 1559		Glxy SB(s)cd	11	ESO 84-10 PGC 14814
IC 2011		Non-Existent		
IC 2010		Glxy Sa?	14.4	ESO 117-11 IRAS 3510-6004 PGC 13995
IC 1999		Glxy S?	14.7	ESO 156-14 PGC 13861
NGC 1463		Glxy (R)SA(rs)a?	14.3	ESO 117-9 IRAS 3453-5957 PGC 13807
IC 1996		Glxy S	16.4	ESO 156-10 PGC 13755
IC 1997		Glxy Sa? pec	13.9	ESO 117-7 IRAS 3437-5918 PGC 13740
IC 1987		Glxy E	15.9	ESO 156-4 PGC 13502
IC 1982		Glxy (R')Sab pec:	15.6	ESO 117-4 PGC 13378
IC 1979		Non-Existent		(STAR)
NGC 1313A		Glxy Sb:	14.7	ESO 83-1 IRAS 3195-6652 PGC 12457
IC 1960		Glxy Sab? sp	15.1	ESO 155-50 PGC 13135
IC 1965		Glxy SAB(s)cd	15.6	ESO 155-51 PGC 13162
IC 1964		Glxy S	16.6	ESO 155-52 PGC 13173
IC 1955		Glxy S	15.8	ESO 155-45 PGC 13086

**Sub Total: 37****Total: 37**

## Sculptor - The Sculptor

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 7812		Glxy SAB(rs)b:	13.9	ESO 349-21 MCG -6-1-16 IRAS 3-3431 PGC 195
IC 1531		Glxy SAB0- pec:	13.5	ESO 349-35 MCG -5-1-38 PGC 684
IC 1657		Glxy (R)SB(s)bc:	13.1	IC 1663 ESO 352-24 MCG -6-3-30 IRAS 1117-3254 PGC 4440
IC 1663		Non-Existent		IC 1663 ESO 352-24 MCG -6-3-30 IRAS 1117-3254 PGC 4440
IC 1628		Glxy SA(r)0-: pec	13.5	ESO 412-7 MCG -5-3-27 PGC 4075
NGC 378		Glxy SB(r)c:	13.8	ESO 412-5 MCG -5-3-24 IRAS 1038-3026 PGC 3907
IC 1616		Glxy SB(rs)bc	13.3	ESO 412-4 MCG -5-3-22 IRAS 1025-2741 PGC 3846
NGC 365		Glxy SB(r)bc pec:	14.2	ESO 352-1 MCG -6-3-17 IRAS 1019-3523 PGC 3822
IC 1608		Glxy (R)SA(r)0+ pec?	13.7	ESO 351-27 MCG -6-3-13 PGC 3549
NGC 334		Glxy (R')SB(s)b pec:	14.6	ESO 351-26 MCG -6-3-12 IRAS 564-3523 PGC 3514
NGC 264		Glxy SB0: sp	14.4	ESO 295-6 MCG -7-2-16 PGC 2831
IC 5365		Glxy SB(r)a	15.9	ESO 349-11 PGC 73012
IC 5364		Non-Existent		
IC 5363		Non-Existent		
IC 5362		Glxy SA0^ pec:	13.8	ESO 471-26 MCG -5-56-23 PGC 72648
IC 5360		Non-Existent		
IC 5349		Glxy S0?	15.2	ESO 471-11 MCG -5-56-5 PGC 72358
NGC 7713A		Glxy SB(r)c:	13	ESO 347-30 PGC 71912
NGC 7713		Glxy SB(r)d:	11.5	ESO 347-28 MCG -6-51-13 PGC 71866
IC 5332		Glxy SA(s)d	11.1	ESO 408-9 MCG -6-51-12 PGC 71775
IC 5326		Glxy Sb	14.9	ESO 470-11 MCG -5-55-15 PGC 71581
NGC 7645		Glxy SB(r)c	13.8	ESO 470-3 MCG -5-55-7 PGC 71314
NGC 7636		Glxy S0^	14.7	ESO 470-2 MCG -5-55-5 PGC 71245
IC 1475		Non-Existent		
NGC 7513		Glxy (R')SB(s)b pec	11.4	ESO 469-22 MCG -5-54-23 UGC A437 IRAS 23105-2837 PGC 70714
IC 5289		Glxy Sb	14.3	ESO 407-8 MCG -5-54-20 IRAS 23085-3243 PGC 70645
NGC 7484		Glxy E	12.8	ESO 407-6 MCG -6-50-26 PGC 70505
IC 1724		Glxy S0+:	14.1	ESO 353-35 MCG -6-4-68 PGC 6328
IC 1722		Glxy SAB(s)bc pec	14.7	ESO 353-34 MCG -6-4-67 PGC 6319
IC 1720		Glxy Sbc	13.7	ESO 413-19 MCG -5-5-8 IRAS 1380-2909 PGC 6180
NGC 642		Glxy SB(s)c	12.9	ESO 413-14 MCG -5-5-3 VV 419 PGC 6112
NGC 639		Glxy Sa?	14.7	ESO 413-13 MCG -5-5-2 IRAS 1367-3010 PGC 6105
IC 1719		Glxy SA(s)0^:	13.8	ESO 353-27 MCG -6-4-59 PGC 6020
NGC 633		Glxy SB(r)b:	13.5	ESO 297-11 MCG -6-4-56 IRAS 1341-3734 PGC 5960
NGC 630		Glxy SA(rs)0-:	12.5	ESO 297-9 MCG -7-4-20 PGC 5924
NGC 626		Glxy SB(rs)c:	13.4	ESO 297-6 MCG -7-4-18 PGC 5901
NGC 623		Glxy E+:	13.6	ESO 353-23 MCG -6-4-52 PGC 5898
NGC 619		Glxy (R')SB(r)b	14.3	ESO 353-21 MCG -6-4-51 PGC 5878
NGC 612		Glxy SA0+ pec sp	13.9	ESO 353-15 MCG -6-4-46 IRAS 1317-3644 PGC 5827
NGC 597		Glxy SB(s)bc?	13.9	ESO 353-11 MCG -6-4-44 IRAS 1299-3345 PGC 5721
NGC 574		Glxy (R')SB(rs)b	14.1	ESO 353-6 MCG -6-4-39 IRAS 1268-3551 PGC 5544
NGC 572		Glxy SAB(s)0^:	15.1	ESO 296-31 MCG -7-4-9 PGC 5508
IC 1709		Non-Existent		ESO 353-4 PGC 5483
NGC 568		Glxy SA0- pec:	13.6	IC 1709 PGC 5468 ESO 353-3 MCG -6-4-37
NGC 549		Glxy SB(s)0+:	14.5	ESO 296-26 MCG -7-4-4 IRAS 1232-3831 PGC 5278

## Sculptor - The Sculptor

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 546		Glxy SB(s)b: pec	14.4	ESO 296-25 MCG -6-4-29 IRAS 1229-3819 PGC 5255
NGC 544		Glxy SAB0-:	14.4	ESO 296-24 MCG -6-4-28 PGC 5253
NGC 534		Glxy SAB(rs)0^	14.4	ESO 296-21 MCG -6-4-26 PGC 5215
NGC 527B		Glxy S	15.5	MCG -6-4-22 PGC 5142
NGC 527		Glxy SB(r)0/a?	14	ESO 352-68 PGC 5128
NGC 526B		Glxy L	14	MCG -6-4-20 PGC 5135
NGC 526A		Glxy L	14	MCG -6-4-19 PGC 5131
NGC 526		Glxy S0?	14.7	ESO 352-66 IRAS 1216-3519 PGC 5120
NGC 491		Glxy SB(rs)b:	13.2	ESO 352-53 MCG -6-4-11 IRAS 1190-3419 PGC 4914
IC 1581		Glxy S	16.2	ESO 474-23 PGC 2676
IC 1579		Glxy SB(r)bc:	14.9	ESO 474-22 MCG -5-3-2 PGC 2667
IC 1578		Glxy S	15.3	ESO 474-21 MCG -4-3-1 IRAS 419-2521 PGC 2637
IC 1576		Glxy Sb	15.7	ESO 474-20 MCG -4-2-45 PGC 2630
NGC 174		Glxy SB(rs)0/a:	13.8	ESO 411-1 MCG -5-2-28 IRAS 345-2945 PGC 2206
IC 1558		Glxy SAB(s)m	12.6	ESO 474-2 MCG -4-2-24 UGC A8 DDO225 PGC 2142
IC 1555		Glxy SA(s)d	14.4	ESO 410-21 MCG -5-2-19 PGC 2071
IC 1554		Non-Existent		ESO 350-33 MCG -5-2-15 IRAS 306-3232 PGC 2000
NGC 491A		Glxy SB(s)dm:	14.3	ESO 352-46 PGC 4799
NGC 461		Glxy SAB(s)c:	14.1	ESO 352-33 MCG -6-4-2 IRAS 1150-3406 PGC 4636
NGC 438		Glxy (R')SAB(s)b:	13.6	ESO 296-7 MCG -6-3-29 IRAS 1112-3810 PGC 4406
NGC 427		Glxy (R)SB(r)a:	15	ESO 412-14 MCG -5-4-7 PGC 4333
NGC 424		Glxy (R)SB(r)0/a:	13.7	ESO 296-4 MCG -6-3-26 PGC 4274
NGC 423		Glxy S0/a? pec sp	14.4	ESO 412-11 MCG -5-4-4 IRAS 1090-2929 PGC 4266
IC 1637		Glxy SB(rs)c:	13.5	ESO 412-10 MCG -5-4-3 IRAS 1086-3042 PGC 4227
NGC 418		Glxy SB(s)c	13.1	ESO 412-9 MCG -5-4-2 IRAS 1082-3029 PGC 4189
NGC 415		Glxy SB(rs)b	14.3	ESO 352-14 MCG -6-3-24 IRAS 1077-3545 PGC 4161
NGC 409		Glxy E:	14	ESO 352-12 MCG -6-3-23 PGC 4132
NGC 314		Glxy (R)SB(rs)0+:	14.2	ESO 411-32 MCG -5-3-15 IRAS 544-3214 PGC 3395
IC 1589		Non-Existent		(STAR)
IC 1553		Glxy SA0	14.3	ESO 473-26 MCG -4-2-17 IRAS 301-2553 PGC 1977
NGC 131		Glxy SB(s)b: sp	13.1	ESO 350-21 MCG -6-2-10 IRAS 271-3332 PGC 1813
NGC 115		Glxy SB(s)bc:	13.7	ESO 350-17 MCG -6-2-6 PGC 1651
NGC 101		Glxy SAB(rs)cd:	13.4	ESO 350-14 MCG -5-2-3 IRAS 214-3248 PGC 1518
IC 1537		Knt in Glxy		ESO 294-1 PGC 1050
NGC 10		Glxy SAB(rs)bc	13.3	ESO 349-32 MCG -6-1-24 IRAS 60-3408 PGC 634
NGC 7		Glxy SB(s)c? sp	14.4	ESO 409-22 MCG -5-1-37 PGC 627

**Sub Total: 81**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 7507	H2-2	Glxy E0	11.4	ESO 469-19 MCG -5-54-22 PGC 70676
PGC 72393		Glxy		
PGC 72423		Glxy		
PGC 72476		Glxy		

## Sculptor - The Sculptor

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 72473		Glxy		
PGC 72471		Glxy	14.6	
PGC 72469		Glxy		
PGC 72466		Glxy E	15	
PGC 72464		Glxy		
PGC 72451		Glxy		
PGC 72450		Glxy S?	15.3	MCG -5-56-15
PGC 72437		Glxy		
PGC 72436		Glxy		
PGC 72429		Glxy		
PGC 72403		Glxy		
PGC 4452		Glxy E	15	MCG -5-4-18
NGC 7749		Glxy SA0^	13.8	ESO 471-9 MCG -5-56-3 PGC 72338
NGC 7755		Glxy SB(rs)c:	12.6	ESO 471-20 MCG -5-56-14 UGC A443 IRAS 23452-3048 PGC 72444
PGC 1942		Glxy Sc sp	14.6	ESO 473-25 MCG -5-2-14 VV 582 IRAS 293-2659
NGC 7793		Glxy SA(s)d	9.6	ESO 349-12 MCG -6-1-9 IRAS 23552-3252 PGC 73049
IC 5350		Glxy E?	14.4	ESO 471-14 MCG -5-56-9 PGC 72396
MAC 2346-2810		Glxy	15.5	
MAC 2347-2800A		Glxy	16	
MAC 2347-2807A		Glxy	15.5	
NGC 300		Glxy SA(s)d	8.7	ESO 295-20 MCG -6-3-5 IRAS 523-3756 IRAS 528-3758 PGC 3238
NGC 289		Glxy SB(rs)bc	11.7	ESO 411-25 MCG -5-3-10 VV 484 IRAS 502-3128 PGC 3089
NGC 288	H20-6	Globular	8.1	
NGC 254		Glxy (R)SAB(r)0+:	12.6	ESO 411-15 MCG -5-3-5 PGC 2778
NGC 253	H1-5	Glxy SAB(s)c	8	Sculptor Galaxy PGC 2789
NGC 150		Glxy SB(rs)b:	12	ESO 410-19 MCG -5-2-18 UGC A7 IRAS 317-2804 PGC 2052
NGC 148		Glxy S0^: sp	13.1	ESO 410-20 MCG -5-2-17 PGC 2053
NGC 134		Glxy SAB(s)bc	10.3	ESO 350-23 MCG -6-2-12 IRAS 278-3331 PGC 1851
NGC 55		Glxy SB(s)m: sp	8.4	ESO 293-50 MCG -7-1-13 PGC 1014
NGC 24	H461-3	Glxy SA(s)c	12.2	ESO 472-16 MCG -4-1-18 UGC A2 IRAS 73-2514 PGC 701
MCG -5-4-13		Glxy E	15.9	
MCG -5-4-12		Glxy S	16	
MAC 2348-2809		Glxy	16.5	
MAC 2348-2806		Glxy	16	
MAC 2347-2807		Glxy	16.5	
NGC 613	H281-1	Glxy SB(rs)bc	10.7	ESO 413-11 MCG -5-4-44 VV 824 IRAS 1319-2940 PGC 5849
NGC 441		Glxy (R')SB(rs)0/a:	13.7	ESO 412-19 MCG -5-4-16 PGC 4429
NGC 439		Glxy SAB(rs)0-?	12.5	ESO 412-18 MCG -5-4-15 PGC 4423
MAC 2347-2758		Glxy	16	
MAC 0113-3150		Glxy	16	
IC 5354		Glxy E?	15	ESO 471-16 MCG -5-56-11 PGC 72416
IC 5358		Glxy E+4 pec	13.6	ESO 471-19 MCG -5-56-13 PGC 72441
IC 5353		Glxy S0-	13.9	ESO 471-17 MCG -5-56-10 PGC 72421

**Sub Total: 47****Total: 128**

## Scorpius - The Scorpion

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 5998	H29-7	Non-Existent		
NGC 6178		Open Cl 8.4 III 3 p	7.2	
IC 4605		Nebula R		
IC 4606		Nebula E		
NGC 6139		Globular	9.1	
IC 4601		Nebula R		
IC 1207		Non-Existent		(STAR)
IC 4599		PI Neb		
IC 4598		Glxy Sb:	15	ESO 451-18 IRAS 16150-3119 PGC 57772
IC 4597		Glxy S	14.4	ESO 390-2 IRAS 16144-3414 PGC 57746
NGC 6259		Open Cl 11.0 II 2 r	8	
NGC 6256		Globular	11.3	
NGC 6249		Open Cl 9.8 II 2 m	8.2	
IC 4628		Nebula E		
NGC 6242		Open Cl 7.3 I 3 m	6.4	
NGC 6227		Non-Existent		
NGC 6222		Non-Existent		
NGC 6216		Open Cl 12.0 I 2 m	10.1	
NGC 6192		Open Cl 11.0 I 2 r	8.5	
NGC 6480		Non-Existent		
NGC 6455		Non-Existent		
NGC 6453		Globular	10.2	
NGC 6441		Globular	7.2	
NGC 6444		Open Cl 11.0 IV 1 p		
NGC 6437		Non-Existent		
NGC 6425		Open Cl 10.2 II 1 m	7.2	
IC 4663		PI Neb 4	13.1	ESO 279-6 279-6 Henize 2-273 Sanduleak 2-236
NGC 6421		Non-Existent		
NGC 6416		Open Cl 8.4 III 2 m	5.7	
NGC 6415		Non-Existent		
NGC 6400		Open Cl 9.0 II 2 m	8.8	
NGC 6404		Open Cl III 2 m	10.6	
NGC 6396		Open Cl 9.8 II 3 m	8.5	
NGC 6388		Globular	6.8	
NGC 6374		Open Cl IV3p		
NGC 6383		Non-Existent		
NGC 6380		Globular	11.5	
NGC 6357		Nebula E		PGC 60257
NGC 6354		Non-Existent		
NGC 6335		Non-Existent		
NGC 6334		Nebula EN		
NGC 6322		Open Cl 7.5 I 3 m	6	
NGC 6318		Open Cl 12.0 III 2 p	11.8	
IC 4637		PI Neb 3	13.6	ESO 332-21 Henize 2-193 Sanduleak 2-168
NGC 6281		Open Cl 9.0 II 2 p	5.4	

## Scorpius - The Scorpion

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 6268		Open Cl II 2 p	9.5	
IC 4592		Nebula R		
IC 1203		Non-Existent		
NGC 6082		Non-Existent		
IC 4600		Glxy L	16.4	ESO 516-10 PGC 57668
IC 4596		Glxy (R')SB(rs)ab?	15.5	ESO 516-9 MCG -4-38-5 PGC 57665
IC 4591		Nebula R		
NGC 6000		Glxy SB(s)bc:	13	ESO 450-20 MCG -5-37-3 IRAS 15467-2914 PGC 56145

**Sub Total: 53**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 6072		PI Neb 3a	14.1	ESO 389-15 Sanduleak 2-134 PK 342+10.1
NGC 6302		PI Neb 6	12.8	Bug Nebula ESO 392-5 Gum 60 RCW 124 Henize 2-204 PK 349+1.1
NGC 6475		Open Cl 7.0 I 3 r	3.3	M 7 Cr 354
NGC 6451	H13-6	Open Cl 12.0 I 2 r n	8.2	
NGC 6405		Open Cl 5.5 II 3 r	4.2	M 6 Butterfly Cluster Cr 341
NGC 6337		PI Neb 4	11.9	ESO 333-5 Henize 2-215 Sanduleak 2-191
NGC 6231		Open Cl 6.0 I 3 p	2.6	
NGC 6093		Globular	7.3	M 80
NGC 6124		Open Cl 9.0 I 3 r	5.8	
NGC 6144	H10-6	Globular	9	
NGC 6153		PI Neb 4	11.5	ESO 331-6 RCW 112 Henize 2-167
NGC 6121		Globular	5.4	M 4

**Sub Total: 12****Total: 65**

## Scutum - The Shield

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 6655		Non-Existent		
IC 4768		Non-Existent		
<b>Sub Total: 2</b>				

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 1287		Nebula R		
IC 1295		PI Neb 3b+2	15	PK 25-4.2 PNG 25.4-4.7
NGC 6625		Open Cl IV 3 m n	9	
NGC 6649		Open Cl 13.2 I 3 m	8.9	
NGC 6682		Open Cl star clou		
NGC 6683		Open Cl 11.7 II 1 p n	9.4	
NGC 6664	H12-8	Open Cl 9.0 III 2 m	7.8	
NGC 6639		Open Cl		
NGC 6631		Open Cl II 1 m	11.7	
MINK 3-28		PI Neb 2+3	14.3	PK 21-0.1 Minkowski 3-28
NGC 6694		Open Cl 11.0 II 3 m	8	M 26 Cr 389
NGC 6704		Open Cl 12.0 I 2 m	9.2	
SAND 2-374		PI Neb	14.2	Sanduleak 2-374 PK 25-4.1 PNG 25.3-4.6 Kohoutek 4-8
NGC 6705		Open Cl 11.0 I 2 r	5.8	M 11 Wild Duck Cluster Cr 391
NGC 6712	H47-1	Globular	8.1	
<b>Sub Total: 15</b>				
<b>Total: 17</b>				

## Serpens - The Serpent

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 1103		Non-Existent		
NGC 6172		Glxy E+:	13.8	IC 1213 PGC 57937 UGC 10352 MCG 0-42-3 CGCG 24-9
IC 1213		Non-Existent		UGC 10352 MCG 0-42-3 CGCG 24-9 PGC 57937
NGC 6100		Glxy (R)SAB(r)a:	13.9	UGC 10307 MCG 0-41-12 CGCG 23-32 PGC 57706
NGC 6080		Glxy SA(s)ab?	13.7	UGC 10268 MCG 0-41-7 CGCG 23-23 IRAS 16104+218 PGC 57509
IC 1199		Glxy S?	14.5	UGC 10242 MCG 2-41-13 CGCG 79-70 IRAS 16081+1010 PGC 57373
NGC 6070B		Glxy C	14.8	
NGC 6070A		Glxy S+C	14.6	
IC 1198		Glxy S?	15.2	MCG 2-41-11 MK 871 CGCG 79-59 IRAS 16062+1227 KUG 1606+124 PGC 57273
IC 1196		Glxy Sa	14.6	UGC 10218 MCG 2-41-9 CGCG 79-55 IRAS 16055+1054 PGC 57246
NGC 6066		Glxy	15.2	CGCG 79-54 PGC 57230
NGC 6065		Glxy S0	14.8	MCG 2-41-8 CGCG 79-51 PGC 57215
NGC 6063		Glxy Scd:	13.8	UGC 10210 MCG 1-41-12 CGCG 51-45 PGC 57205
NGC 6049		Non-Existent		
IC 1174		Glxy SA0/a:	14.4	UGC 10185 MCG 3-41-91 CGCG 108-116 PGC 57059
NGC 6051		Glxy E	14.2	IC 4588 UGC 10178 MCG 4-38-21 CGCG 137-30 PGC 57006
IC 1148		Non-Existent		NGC 6020 UGC 10100 MCG 4-38-2 CGCG 137-5 PGC 56467
IC 4756		Open Cl 8.0 II 3 r	4.6	
IC 4703		Nebula E		
NGC 6605		Open Cl asterism	6	
IC 1276		Globular	10.3	
IC 4671		Non-Existent		(STAR)
IC 4586		Non-Existent		NGC 6014
NGC 6008B		Non-Existent S0	14.3	
NGC 6008A		Non-Existent		
IC 1140		Non-Existent		(STAR)
IC 1137		Non-Existent		
IC 4551		Non-Existent		NGC 5964 UGC 9935 MCG 1-40-8 CGCG 50-47 IRAS 15351+608 KARA691 PGC 55637
IC 1127		Non-Existent		
IC 4552		Non-Existent		(STAR)
IC 4588		Glxy E	14.2	UGC 10178 MCG 4-38-21 CGCG 137-30 PGC 57006
NGC 6036		Glxy S0/a	14.4	UGC 10163 MCG 1-41-10 CGCG 51-32 IRAS 16020+400 PGC 56950
NGC 6037		Glxy S?	15	MCG 1-41-9 CGCG 51-31 PGC 56947
NGC 6033		Glxy SA(s)bc?	14.5	UGC 10159 MCG 0-41-3 CGCG 23-11 PGC 56941
IC 1169		Glxy S?	14.2	UGC 10161 MCG 2-41-4 CGCG 79-33 PGC 56925
IC 1168B		Non-Existent		
IC 1168A		Non-Existent		
IC 1160		Glxy SB0-a	14.8	MCG 3-41-32 CGCG 108-51 PGC 56683
IC 1150		Non-Existent		
IC 1120		Non-Existent		
IC 1122		Non-Existent		NGC 5931 MCG 1-39-23 CGCG 49-180 PGC 55233
NGC 5948		Non-Existent		
IC 1126		Non-Existent		(STAR)
IC 4553		Non-Existent		IC 4554

## Serpens - The Serpent

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 4543		Non-Existent		IC 4543 MCG 2-39-29 CGCG 77-122 PGC 55035
IC 4540		Non-Existent		

**Sub Total: 46**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 1105		Glxy S?	14.8	MCG 1-39-7 CGCG 49-53 PGC 54338
IC 1132		Glxy SA(rs)c	14.1	UGC 9965 MCG 4-37-20 CGCG 136-49 IRAS 15378+2050 PGC 55750
IC 1131		Glxy E1:	14.8	MCG 2-40-8 CGCG 78-36 PGC 55683
IC 1130		Glxy S	15.5	MCG 3-40-14 CGCG 107-15 PGC 55644
IC 1128		Glxy S0:	14.6	UGC 9939 MCG 0-40-4 CGCG 22-18 PGC 55648
IC 1125		Glxy Sdm:	13.9	UGC 9888 MCG 0-40-3 CGCG 22-12 VV 723 IRAS 15305-127 PGC 55388
IC 1124		Glxy S?	14.9	UGC 9869 MCG 4-37-1 CGCG 136-5 IRAS 15278+2348 PGC 55254
IC 1121		Glxy C	15.5	CGCG 49-166 PGC 55152
IC 1119		Glxy S	15.3	MCG 0-39-25 CGCG 21-93 VV 745 IRAS 15231-328 PGC 55062
IC 1118		Glxy S	15	IC 1118 MCG 2-39-29 CGCG 77-122 PGC 55035
IC 1155		Glxy SAB(rs)bc	14.9	MCG 3-41-23 CGCG 108-42 IRAS 15582+1549 KUG 1558+158 PGC 56648
IC 1151		Glxy SB(rs)c	13.5	UGC 10113 MCG 3-41-15 CGCG 108-28 IRAS 15562+1734 KUG 1556+175 PGC 56537
IC 1149		Glxy Sbc	13.7	UGC 10108 MCG 2-41-1 CGCG 79-15 IRAS 15557+1212 PGC 56511
IC 1142		Glxy Scd:	14.2	UGC 10055 MCG 3-40-50 CGCG 107-45 PGC 56169
IC 1141		Glxy SB?	14.8	UGC 10051 MCG 2-40-14 MK 861 CGCG 78-81 IRAS 15474+1232 PGC 56141
IC 1136		Glxy C	15.3	CGCG 22-37 PGC 56049
IC 1135		Glxy Sb	15.2	MCG 3-40-36 CGCG 107-34 PGC 55964
IC 1134		Glxy E	15.2	MCG 3-40-34 CGCG 107-32 PGC 55937
IC 1133		Glxy Scd:	14.8	UGC 9973 MCG 3-40-25 CGCG 107-24 IRAS 15388+1544 PGC 55793
IC 1197		Glxy Scd:	14.1	UGC 10219 MCG 1-41-13 CGCG 51-52 PGC 57261
IC 1168		Glxy E	15.6	MCG 3-41-66 CGCG 108-90 PGC 56901
IC 1167		Glxy L	15.5	MCG 3-41-65 PGC 56900
IC 1163		Glxy E	14.9	MCG 3-41-39 CGCG 108-60 PGC 56717
IC 1161		Glxy E	14.8	MCG 3-41-36 CGCG 108-54 PGC 56695
IC 1159		Glxy		
IC 1158		Glxy SAB(r)c:	13.3	UGC 10133 MCG 0-41-2 CGCG 23-8 IRAS 15590+150 PGC 56723
IC 1157		Glxy SB	15.7	MCG 3-41-31 CGCG 108-47 KUG 1558+156 PGC 56680
IC 1109		Glxy	15.5	CGCG 49-94 PGC 54549
IC 1112		Glxy SA(r)0+?	15.1	CGCG 49-107 PGC 54604
IC 1113		Glxy Sb	15.1	MCG 2-39-12 CGCG 77-66 PGC 54629
IC 1117		Glxy	15.6	CGCG 106-37 PGC 55003
IC 1116		Glxy S0?	13.8	MCG 2-39-17 CGCG 77-85 PGC 54848
IC 1107		Glxy	15.5	CGCG 49-68 PGC 54391
IC 1106		Glxy	15.2	CGCG 49-66 PGC 54375
PGC 54262		Glxy Sd sp	14.7	UGC 9760 MCG 0-39-11 CGCG 21-41
PGC 54327		Glxy S	15.5	MCG 1-39-6 CGCG 49-48 IRAS 15107+428
PGC 54372		Glxy	15.6	CGCG 49-65
PGC 54424		Glxy Sc	16.5	UGC 9782

## Serpens - The Serpent

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 54487		Glxy		
PGC 54497		Glxy		
PGC 54554		Glxy		
PGC 54550		Glxy SB(s)cd	15.1	CGCG 49-96
PGC 54547		Glxy		
PGC 54546		Glxy		
PGC 54540		Glxy SB(s)cd	15.1	CGCG 49-92
PGC 54533		Glxy		
PGC 54530		Glxy		
PGC 54528		Glxy	15.6	CGCG 49-89
PGC 54526		Glxy E	14	UGC 9799 MCG 1-39-12 CGCG 49-90 ANON 1514+7
PGC 54832		Glxy SB(r)b	14.1	UGC 9821 MCG 2-39-16 CGCG 77-84
PGC 54827		Glxy S?	16.5	Hickson 75C
PGC 54826		Glxy SB(rs)a pec	15.5	CGCG 49-144
PGC 54824		Glxy S	16.3	Hickson 75D
PGC 54818		Glxy S	16.9	Hickson 75E
PGC 54814		Glxy	15.5	CGCG 49-141
PGC 54804		Glxy E?	15	CGCG 135-50 Hickson 75A
PGC 54803		Glxy S	15.6	Hickson 75B
PGC 54802		Glxy L	17	Hickson 75F
PGC 57582		Glxy Sc: sp	14.2	UGC 10288 MCG 0-41-9 CGCG 23-26 IRAS 16118-4
PGC 56953		Glxy S0 pec	14.7	UGC 10169 MCG 3-41-70 CGCG 108-97 VV 318 ARP 101 IRAS 16022+1457
PGC 56938		Glxy S0-:	14.7	UGC 10164 MCG 3-41-69 CGCG 108-94 VV 318 ARP 101
PGC 56705		Glxy		
PGC 56632		Glxy L	15.6	CGCG 108-38
PGC 56503		Glxy SA(s)c	15.4	MCG 3-41-12 CGCG 108-23
PGC 56490		Glxy SA0^	15.1	MCG 3-41-8 CGCG 108-19
PGC 56314		Glxy SAB(s)bc	15.4	MCG 3-40-57 CGCG 107-52 CGCG 108-1 VV 311 ARP 218
PGC 56301		Glxy	15.2	MCG 4-37-54 CGCG 136-112 ARAK488
PGC 56125		Glxy S	17	Hickson 77D
PGC 56123		Glxy Chain	14.7	UGC 10049 MCG 4-37-37 CGCG 136-87 VV 550 Hickson 77A
PGC 56122		Glxy S0?	16.2	Hickson 77B
PGC 56121		Glxy S?	16.5	Hickson 77C
PGC 56094		Glxy Sbc	14.8	UGC 10043 MCG 4-37-34 CGCG 136-84 IRAS 15464+2201
PGC 55992		Glxy	15.5	CGCG 50-98
PGC 55958		Glxy R	15.4	MCG 4-37-30 CGCG 136-68
PGC 55938		Glxy S	16.5	MCG 3-40-35
PGC 55889		Glxy	15.5	CGCG 50-86
PGC 55847		Glxy	15.5	CGCG 50-78
PGC 55821		Glxy Sc: sp	13.9	UGC 9977 MCG 0-40-7 CGCG 22-29 IRAS 15394+52
PGC 55784		Glxy S R	16.5	MCG 3-40-24
PGC 55762		Glxy	15.5	MCG 3-40-22 CGCG 107-21
PGC 55749		Glxy SBb	15.1	MCG 4-37-21 CGCG 136-50
PGC 55747		Glxy	15.7	MCG 3-40-21
PGC 55717		Glxy S0	15.1	MCG 3-40-18 CGCG 107-20

## Serpens - The Serpent

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 55664		Glxy S	16.4	MCG 2-40-7
PGC 55640		Glxy L	15.5	CGCG 22-17
PGC 55618		Glxy SB	15.3	MCG 4-37-12 CGCG 136-31
PGC 55597		Glxy Sa	15.1	MCG 3-40-12 CGCG 107-13 KARA689
PGC 55568		Glxy SB	15.7	MCG 4-37-9 CGCG 136-27
PGC 55516		Glxy B	15.2	MCG 1-40-6A CGCG 50-32
PGC 55478		Glxy Dwarf	17.3	UGC 9902
PGC 55325		Glxy S	17	Hickson 76E
PGC 55314		Glxy S0?	14.9	MCG 1-40-3 CGCG 50-11 Hickson 76B
PGC 55313		Glxy	16.8	Hickson 76F
PGC 55307		Glxy	17.3	Hickson 76G
PGC 55211		Glxy	15.4	CGCG 49-173
PGC 55210		Glxy	15.5	CGCG 49-174
PGC 55201		Glxy	15.3	CGCG 49-170
PGC 55200		Glxy	15.2	CGCG 49-171
PGC 55199		Glxy	15.6	CGCG 49-172
PGC 55057		Glxy Sbc	14.3	UGC 9841 MCG 3-39-25 CGCG 106-40 IRAS 15232+1827
PGC 54946		Glxy C	16.2	MCG 2-39-27 MK 852 8ZW468
PGC 54943		Glxy S	15.5	MCG 2-39-25 CGCG 77-107
PGC 54942		Glxy	15.6	CGCG 77-108
PGC 54937		Glxy	15.8	MCG 2-39-24 CGCG 77-105 ARAK476
PGC 54936		Glxy	15.5	CGCG 77-102
PGC 54935		Glxy S	15.6	MCG 2-39-22 CGCG 77-103
PGC 54934		Glxy	15.7	CGCG 77-106
PGC 54927		Glxy	15.9	MCG 2-39-23 CGCG 77-104 ARAK475
PGC 54921		Glxy	15.6	CGCG 77-99
PGC 54920		Glxy S	15.8	MCG 2-39-21 CGCG 77-100
PGC 54914		Glxy	15.7	CGCG 77-96
PGC 54913		Glxy S?	14.6	MCG 2-39-20 CGCG 77-97
PGC 54912		Glxy	15.5	CGCG 77-98
PGC 54903		Glxy S	15.6	MCG 2-39-19 CGCG 77-95
PGC 54896		Glxy	15.6	CGCG 77-93
PGC 54893		Glxy	15.5	CGCG 77-92
PGC 54872		Glxy	15.7	CGCG 77-89
PGC 54871		Glxy	15.7	CGCG 77-90
PGC 54838		Glxy		
PGC 54734		Glxy	15.7	CGCG 49-134
PGC 54697		Glxy S	16.6	Hickson 74D
PGC 54694		Glxy S	18.2	Hickson 74E
PGC 54692		Glxy E	16.5	MCG 4-36-36 VV 139 Hickson 74C
PGC 54688		Glxy E?	15.6	Hickson 74B
PGC 54572		Glxy	15.4	CGCG 49-99
PGC 54563		Glxy		
PGC 54555		Glxy S0	15.2	MCG 1-39-13 CGCG 49-97 ARAK474
PGC 54525		Glxy	16	CGCG 49-91

## Serpens - The Serpent

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC	54524	Glx		
PGC	54521	Glx		
PGC	54514	Glx		
PGC	54513	Glx		
PGC	54511	Glx		
PGC	54508	Glx		
PGC	54507	Glx		
PGC	54493	Glx SBdm:	15.1	CGCG 49-82
PGC	54486	Glx		
IC	4537	Glx	15.6	CGCG 21-70 PGC 54583
IC	4556	Glx S	14.8	MCG 4-37-7 CGCG 136-21 PGC 55523
MAC	1604+1445B	Glx	16.5	
MAC	1603+1457	Glx	15.5	
MAC	1603+1453	Glx	15	
MAC	1600+1531	Glx	15.5	
MAC	1558+1202	Glx	16.5	
MAC	1557+1623	Glx	16	
MAC	1557+1622	Glx	15.5	
MAC	1557+1621	Glx	16	
MAC	1557+1608	Glx	15.5	
MAC	1557+1549	Glx	16.5	
MAC	1553+1848A	Glx	16	
MAC	1553+1848	Glx	15	
MAC	1536+2525	Glx	16.5	
MAC	1536+2520	Glx	16	
MAC	1535+2526	Glx	17	
MAC	1535+2328	Glx	16.5	
MAC	1534+2328	Glx	16.5	
MAC	1534+2325	Glx	16.5	
MAC	1529+0737	Glx	15	
MAC	1524+1328	Glx	15.5	
MAC	1523+0840	Glx	16	
MAC	1523+0839B	Glx	16.5	
MAC	1523+0839A	Glx	17	
MAC	1523+0833B	Glx	16	
MAC	1523+0833A	Glx	16.5	
MAC	1523+0827B	Glx	16.1	
MAC	1523+0827A	Glx	16	
MAC	1522+0840A	Glx	16	
MAC	1522+0839B	Glx	16.5	
MAC	1522+0839A	Glx	16	
MAC	1522+0838B	Glx	16.5	
MAC	1522+0838A	Glx	17	
MAC	1522+0834A	Glx	17	
MAC	1522+0834	Glx	16	

## Serpens - The Serpent

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC 1522+0833		Glxy	16	
MAC 1522+0832C		Glxy	16	
MAC 1522+0832B		Glxy	16	
MAC 1522+0831		Glxy	16.5	
MAC 1522+0829		Glxy	16	
MAC 1522+0828		Glxy	16	
MAC 1521+0824		Glxy	16	
MAC 1521+0821		Glxy	15.5	
MAC 1521+0744A		Glxy	15	
MAC 1521+0744		Glxy	16	
MAC 1521+0743		Glxy	17	
MAC 1517+0707A		Glxy	16	
MAC 1517+0654		Glxy	17	
MAC 1516+0658		Glxy	16.5	
MAC 1516+0653		Glxy	16	
IC 4583		Glxy S?	15.1	MCG 4-37-32 CGCG 136-74 PGC 55999
IC 4579		Glxy	15.5	CGCG 136-63 PGC 55852
IC 4577		Glxy C	15.3	CGCG 136-61 PGC 55848
IC 4576		Glxy	14.8	CGCG 136-59 PGC 55840
IC 4575		Glxy	15.5	CGCG 136-58 PGC 55828
IC 4573		Glxy	15.6	CGCG 136-57 PGC 55825
IC 4561		Glxy L	15.2	MCG 4-37-11 CGCG 136-30 PGC 55610
IC 4559		Glxy C	15.3	MCG 4-37-8 CGCG 136-26 ARAK480 PGC 55553
IC 4558		Glxy	15.6	CGCG 136-24 PGC 55537
IC 4554		Glxy S?	13.9	IC 4553 UGC 9913 MCG 4-37-5 CGCG 136-17 VV 540 ARP 220 IRAS 15327+2340 PGC 55497
NGC 5887		Glxy (R')SA(s)0+:	14.4	UGC 9779 MCG 0-39-12 CGCG 21-56 PGC 54416
NGC 5921	H148-1	Glxy SB(r)bc	11.5	UGC 9824 MCG 1-39-21 CGCG 49-146 IRAS 15194+514 PGC 54849
NGC 5944		Glxy S?	15.9	MCG 1-40-4 CGCG 50-13 Hickson 76A PGC 55321
NGC 5942		Glxy E?	15.8	MCG 1-40-2 CGCG 50-10 Hickson 76D PGC 55316
NGC 5941		Glxy S0?	15.3	MCG 1-40-1 CGCG 50-9 Hickson 76C PGC 55309
NGC 5940		Glxy SBab	14.3	UGC 9876 MCG 1-39-25 CGCG 50-7 IRAS 15288+737 PGC 55295
NGC 5937	H401-2	Glxy (R')SAB(rs)b p	13.1	MCG 0-40-1 CGCG 22-2 IRAS 15281-239 PGC 55281
NGC 5936	H130-2	Glxy SB(rs)b	13.1	UGC 9867 MCG 2-39-30 CGCG 78-1 CGCG 77-137 IRAS 15276+1309 PGC 55255
NGC 5931		Glxy S0	15	IC 1122 MCG 1-39-23 CGCG 49-180 PGC 55233
NGC 5928	H874-2	Glxy S0	13.2	UGC 9847 MCG 3-39-27 CGCG 106-42 PGC 55072
NGC 5926		Glxy S?	14.5	MCG 2-39-26 MK 853 CGCG 77-109 IRAS 15210+1253 8ZW468 PGC 54950
NGC 5984	H656-2	Glxy SB(rs)d:	13.1	UGC 9987 MCG 2-40-11 CGCG 78-52 IRAS 15405+1423 PGC 55853
NGC 5983		Glxy E	14.4	UGC 9983 MCG 1-40-12 CGCG 50-79 PGC 55845
NGC 5980	H655-2	Glxy S	13.6	UGC 9974 MCG 3-40-26 CGCG 107-25 IRAS 15391+1556 PGC 55800
NGC 5977		Glxy SB0	14.4	UGC 9967 MCG 3-40-23 CGCG 107-23 PGC 55769
NGC 5975		Glxy S?	15.1	UGC 9963 MCG 4-37-19 CGCG 136-46 IRAS 15377+2137 PGC 55739
NGC 5972		Glxy S0/a	14.6	UGC 9946 MCG 3-40-16 CGCG 107-18 PGC 55684
NGC 5970	H76-2	Glxy SB(r)c	12.2	UGC 9943 MCG 2-40-6 CGCG 78-34 IRAS 15361+1220 PGC 55665
NGC 5964		Glxy SB(rs)d	12.6	IC 4551 PGC 55637 UGC 9935 MCG 1-40-8 CGCG 50-47 IRAS 15351+608 KARA691

## Serpens - The Serpent

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 5962	H96-2	Glxy SA(r)c	12	UGC 9926 MCG 3-40-11 CGCG 107-12 IRAS 15342+1646 PGC 55588
NGC 6018	H646-3	Glxy (R)SAB(s)0+:	14.3	UGC 10101 MCG 3-41-6 CGCG 108-16 IRAS 15551+1600 PGC 56481
NGC 6017		Glxy S?	14.1	UGC 10098 MCG 1-41-3 CGCG 51-8 PGC 56475
NGC 6014		Glxy S0	13.2	IC 4586 PGC 56413 UGC 10091 MCG 1-41-2 CGCG 51-7 IRAS 15535+604
NGC 6012	H657-2	Glxy (R)SB(r)ab:	12.7	UGC 10083 MCG 3-40-59 CGCG 107-54 CGCG 108-3 IRAS 15519+1444 KARA712 KUG 1551+147 PGC 56334
NGC 6010	H583-2	Glxy S0/a: sp	13.6	UGC 10081 MCG 0-40-13 CGCG 22-48 PGC 56337
NGC 6009		Glxy	15.6	CGCG 78-96 PGC 56312
NGC 6008		Glxy SBb	13.8	UGC 10076 MCG 4-37-52 CGCG 136-110 IRAS 15507+2114 PGC 56289
NGC 6007		Glxy SABbc:	13.8	UGC 10079 MCG 2-40-18 CGCG 78-95 IRAS 15510+1206 PGC 56309
NGC 6006		Glxy Pair	15.4	MK 862 PGC 56295
NGC 6611		Open Cl 11.0 II 3 m n	6	M 16 Eagle Nebula Cr 375
NGC 6604	H15-8	Open Cl 7.5 I 3 m n	6.5	
NGC 6539		Globular	8.9	
NGC 6535		Globular	9.3	
NGC 6118	H402-2	Glxy SA(s)cd	12.4	UGC 10350 MCG 0-42-2 CGCG 24-8 IRAS 16192-210 KARA736 PGC 57924
NGC 6070	H553-3	Glxy SA(s)cd	12.5	UGC 10230 MCG 0-41-4 CGCG 23-17 IRAS 16074+50 PGC 57345
NGC 6029		Glxy Compact	15.5	CGCG 79-23 KUG 1559+127 PGC 56756
NGC 6027E		Glxy S0?	14.4	UGC 10116 MCG 4-38-10 CGCG 137-10 7ZW631 VV 115 Hickson 79B PGC 56579
NGC 6027D		Glxy S?	16.5	UGC 10116 MCG 4-38-9 CGCG 137-10 7ZW631 VV 115 Hickson 79E PGC 56580
NGC 6027C		Glxy SB(s)c? sp	16.5	UGC 10116 MCG 4-38-7 CGCG 137-10 7ZW631 VV 115 Hickson 79D PGC 56578
NGC 6027B		Glxy S0 pec	15.3	UGC 10116 MCG 4-38-5 CGCG 137-10 7ZW631 VV 115 Hickson 79C PGC 56584
NGC 6027A		Glxy Sa pec	14.8	UGC 10116 MCG 4-38-6 CGCG 137-10 7ZW631 VV 115 Hickson 79A PGC 56576
NGC 6027		Glxy S0 pec	15.3	Seyfert's Sextet - PGC 56575
NGC 6023		Glxy E	14.2	UGC 10106 MCG 3-41-10 CGCG 108-21 PGC 56492
NGC 6022		Glxy (R')SB(s)bc	15.3	MCG 3-41-9 CGCG 108-20 PGC 56495
NGC 6021	H73-3	Glxy E+	14.2	UGC 10102 MCG 3-41-5 CGCG 108-17 PGC 56482
NGC 6020		Glxy E	13.8	IC 1148 PGC 56467 UGC 10100 MCG 4-38-2 CGCG 137-5
NGC 6004		Glxy SAB(rs)bc	13.1	UGC 10056 MCG 3-40-51 CGCG 107-46 IRAS 15481+1905 PGC 56166
NGC 6003		Glxy S0?	14.3	UGC 10048 MCG 3-40-48 CGCG 107-43 ARAK487 PGC 56130
NGC 5997		Glxy C	15.4	CGCG 50-105 PGC 56044
NGC 5996	H97-2	Glxy S?	13.2	UGC 10033 MCG 3-40-39 MK 691 CGCG 107-36 VV 16 ARP 72 IRAS 15447+1802 PGC 56023
NGC 5994		Glxy SB?	15	UGC 10033 MCG 3-40-38 CGCG 107-36 VV 16 ARP 72 PGC 56020
NGC 5991		Glxy S	14.7	MCG 4-37-28 CGCG 136-67 PGC 55953
NGC 5990	H425-2	Glxy (R')Sa pec?	13.3	UGC 10024 MCG 1-40-14 CGCG 50-101 IRAS 15437+234 PGC 55993
NGC 5988		Glxy Scd:	14.5	UGC 9998 MCG 2-40-12 CGCG 78-58 PGC 55921
NGC 5960		Glxy Sb	15.1	MCG 1-40-7 CGCG 50-38 IRAS 15338+549 PGC 55575
NGC 5957		Glxy (R')SAB(r)b	12.5	UGC 9915 MCG 2-40-4 CGCG 78-18 IRAS 15330+1212 PGC 55520
NGC 5956		Glxy Scd?	13	UGC 9908 MCG 2-40-3 CGCG 78-17 IRAS 15326+1154 PGC 55501
NGC 5955		Glxy Sb-Sbc	15	MCG 1-40-6 CGCG 50-31 PGC 55510
NGC 5954	H179-2	Glxy SAB(rs)cd: pec	12.9	UGC 9904 MCG 3-40-6 CGCG 107-8 VV 244 ARP 91 PGC 55482
NGC 5953	H178-2	Glxy SAa: pec	12.9	UGC 9903 MCG 3-40-5 CGCG 107-8 VV 244 ARP 91 IRAS 15322+1521 PGC 55480
NGC 5952		Glxy S0	15.4	CGCG 50-30 PGC 55496

## Serpens - The Serpent

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 5951	H654-2	Glxy SBc: sp	13.4	UGC 9895 MCG 3-40-3 CGCG 107-3 IRAS 15313+1510 PGC 55435
NGC 5920		Glxy S0:	14.7	UGC 9822 CGCG 49-145 PGC 54839
NGC 5904		Globular	5.7	M 5
NGC 5911		Glxy S0	14.7	MCG 1-39-19 CGCG 49-133 PGC 54731
NGC 5913	H374-3	Glxy SB(r)a	14.1	UGC 9818 MCG 0-39-21 CGCG 21-79 IRAS 15183-223 KARA669 PGC 54761
NGC 5919		Glxy	12.4	MCG 1-39-20 CGCG 49-142 PGC 54812
NGC 5910	H400-2	Glxy E?	14.6	MCG 4-36-35 CGCG 135-45 VV 139 Hickson 74A PGC 54689

**Sub Total: 266****Total: 312**

## Sextans - The Sextant

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 2969	H527-3	Glxy SA(s)c pec:	15.5	MCG -1-25-21 MK 1235 IRAS 9394-822 PGC 27714
NGC 3122	H305-2	Non-Existent		NGC 3110 PGC 29361
NGC 3117		Glxy E?	14.3	UGC 5445 MCG 1-26-14 CGCG 36-38 PGC 29340
IC 590		Glxy E	14.2	UGC 5443 MCG 0-26-18 CGCG 8-37 PGC 29316
IC 589		Glxy		
IC 587		Glxy SAB(r)bc pec?	14.2	UGC 5411 MCG 0-26-12 CGCG 8-28 IRAS 10005-209 PGC 29127
IC 588		Glxy (R)SB(r)a	14.6	UGC 5399 MCG 1-26-10 CGCG 36-23 PGC 29057
NGC 3101		Glxy Sa? sp	15.3	MCG 0-26-11 CGCG 8-24 PGC 29025
NGC 3093		Glxy E	15.2	MCG 0-26-7 CGCG 8-21 PGC 28977
NGC 3092		Glxy SB(s)0+?	14.3	MCG 0-26-8 CGCG 8-19 PGC 28967
IC 623		Glxy S	15	UGC 5748 MCG 1-27-17 CGCG 37-85 PGC 31356
IC 621		Glxy	15.3	CGCG 37-75 PGC 31197
IC 614		Glxy E	14.8	MCG 0-27-15 CGCG 9-39 PGC 30699
NGC 3246		Glxy SABdm	13.2	UGC 5661 MCG 1-27-9 CGCG 37-37 IRAS 10240+407 PGC 30684
NGC 3243		Glxy S0 <sup>^</sup> pec:	13.6	UGC 5652 MCG 0-27-12 CGCG 9-33 PGC 30655
IC 608		Glxy Sb	15.2	MCG -1-27-8 PGC 30500
IC 605		Glxy S?	14.8	UGC 5606 MCG 0-27-3 CGCG 9-10 IRAS 10197+127 KARA410 PGC 30363
NGC 3229		Non-Existent		STAR UGC 559 MCG 2-3-10 CGCG 435-19 PGC 30331
IC 603		Glxy (R)SB(r)a:	14.5	MCG -1-26-41 PGC 30166
NGC 3423	H6-4	Glxy SA(s)cd	11.6	UGC 5962 MCG 1-28-12 CGCG 38-29 PGC 32529
IC 651		Glxy SB(s)m pec:	13.6	UGC 5956 MCG 0-28-20 CGCG 10-35 ARAK258 IRAS 10484-153 KARA444 PGC 32517
IC 649		Glxy Interacting	14.9	MCG 0-28-19 CGCG 10-34 PGC 32506
NGC 3401	H88-3	Non-Existent		
IC 645		Glxy		
NGC 3387		Glxy E	14.8	NGC 3386 MCG 1-28-10 CGCG 38-16 PGC 32284
NGC 3386		Glxy E	13.8	
NGC 3385		Glxy S0	13.6	UGC 5908 MCG 1-28-9 CGCG 38-15 PGC 32285
NGC 3376		Glxy S?	14.8	UGC 5891 MCG 1-28-7 CGCG 38-13 KARA443 PGC 32231
NGC 3375		Glxy (R)SA(rs)0 <sup>^</sup> ?	13.4	MCG -2-28-8 PGC 32205
NGC 3361		Glxy SAB(rs)c?	13.4	MCG -2-28-4 IRAS 10419-1056 PGC 32044
NGC 3360		Glxy SA(s)c:	14.4	MCG -2-28-3 PGC 32026
NGC 3341		Glxy Pec	14.8	UGC 5831 MCG 1-27-31 CGCG 37-124 PGC 31915
NGC 3340		Glxy SB(s)bc	13.8	UGC 5827 MCG 0-27-42 CGCG 9-101 PGC 31892
NGC 3339		Non-Existent		
IC 636		Glxy SB	15	UGC 5824 MCG 1-27-28 CGCG 37-121 PGC 31867
NGC 3337		Glxy	15.3	CGCG 37-119 PGC 31860
IC 634		Glxy Pec?	15	UGC 5811 CGCG 37-111 PGC 31799
NGC 3326		Glxy Sa	14.6	UGC 5799 MCG 1-27-25 MK 1260 CGCG 37-104 ARAK251 PGC 31701
IC 633		Glxy S?	15.2	UGC 5796 MCG 0-27-37 CGCG 9-94 ARAK250 PGC 31691
NGC 3325		Glxy E:	13.7	UGC 5795 MCG 0-27-36 CGCG 9-93 PGC 31689
IC 632		Glxy Sa?	14.7	UGC 5792 MCG 0-27-35 CGCG 9-92 PGC 31673
IC 631		Glxy		
NGC 3322		Non-Existent		NGC 3321 PGC 31653 MCG -2-27-10 UGC A214 IRAS 10363-1123
NGC 3321		Glxy Sc	13.5	
IC 630		Glxy S0 pec?	13.5	MCG -1-27-29 MK 1259 PGC 31636

## Sextans - The Sextant

Observed: No

Object	No	Her	Type	Mag	Alias/Notes
IC	628		Glxy SAB(s)ab	14.6	UGC 5780 MCG 1-27-22 CGCG 37-96 PGC 31567
IC	2595		Non-Existent		
IC	627		Glxy Sab	14	MCG 0-27-32 CGCG 9-87 PGC 31543
IC	626		Glxy S0- pec	13.3	MCG -1-27-28 PGC 31501
IC	624		Glxy SABa:	13.5	MCG -1-27-26 PGC 31426
NGC	3292		Glxy S0^ pec?	14.5	MCG -1-27-23 PGC 31370
IC	600		Glxy SB(s)dm	13	MCG 0-26-34 UGC A209 CGCG 8-85 VV 97 PGC 30041
IC	599		Glxy Sbc	14.5	MCG -1-26-32 PGC 29771
IC	597		Glxy		
NGC	3142		Glxy S0	14.1	MCG -1-26-28 PGC 29586
IC	594		Glxy SB(r)bc	14.6	UGC 5472 MCG 0-26-23 CGCG 8-49 KARA401 PGC 29496
IC	593		Glxy S?	14.5	UGC 5469 MCG 0-26-21 CGCG 8-47 PGC 29482
IC	592		Glxy Sbc	14.2	UGC 5465 MCG 0-26-20 CGCG 8-45 PGC 29465
NGC	3123		Non-Existent		
NGC	3090		Glxy E+	13.6	MCG 0-26-5 CGCG 8-16 IRAS 9579-243 PGC 28945
NGC	3086		Glxy Sb	14.7	MCG 0-26-3 CGCG 8-12 PGC 28924
IC	586		Glxy S	15.8	MCG -1-26-4 PGC 28906
NGC	3083		Glxy Sa?	14.6	MCG 0-26-2 CGCG 8-11 PGC 28900
NGC	3062		Glxy Sb	15.5	CGCG 8-2 PGC 28699
NGC	3064		Glxy Sbc? sp	14.5	MCG -1-26-1 PGC 28638
NGC	3055	H4-6	Glxy SAB(s)c	12.7	UGC 5328 MCG 1-25-34 CGCG 35-87 IRAS 9526+430 PGC 28617
NGC	3015		Glxy SAB0^ pec?	14.9	UGC 5261 MCG 0-25-20 CGCG 7-41 ARAK218 IRAS 9468+122 PGC 28240
NGC	3014		Glxy Sbc	14.8	MCG -1-25-43 PGC 28222
NGC	3017		Glxy E:	14.1	MCG 0-25-19 CGCG 7-40 PGC 28220
NGC	3029		Glxy SAB(r)c	14.5	MCG -1-25-47 ANON 946-7 PGC 28206
NGC	3007		Glxy S0/a sp	14.5	MCG -1-25-38 IRAS 9452-612 PGC 28150
IC	2509		Non-Existent		
NGC	2990	H624-2	Glxy Sc:	13.1	UGC 5229 MCG 1-25-21 CGCG 35-51 ARAK214 IRAS 9436+556 PGC 28026
IC	562		Glxy Sbc? sp	14.5	MCG -1-25-36 IRAS 9435-344 PGC 28011
IC	560		Glxy S0+:	14.3	UGC 5223 MCG 0-25-13 CGCG 7-30 PGC 27998
NGC	3047A		Glxy E	14.7	UGC 5323 MCG 0-25-33 CGCG 7-59 PGC 28577
NGC	3047		Glxy	15.7	UGC 5323 MCG 0-25-32 CGCG 7-59 PGC 28572
NGC	3042		Glxy S0^: sp	13.9	UGC 5307 MCG 0-25-30 CGCG 7-54 PGC 28498
NGC	3039		Glxy SAB(s)b pec:	14.2	UGC 5297 MCG 0-25-27 CGCG 7-51 PGC 28452
NGC	3035		Glxy SB(rs)bc	13.5	MCG -1-25-52 IRAS 9494-635 PGC 28415
IC	566		Glxy C	15.4	CGCG 7-44 PGC 28279
NGC	3023		Glxy SAB(s)c pec:	13	UGC 5269 MCG 0-25-22 CGCG 7-43 VV 620 IRAS 9472+51 PGC 28272
NGC	3018		Glxy SB(s)b pec?	14.1	UGC 5265 MCG 0-25-21 CGCG 7-42 VV 620 PGC 28258
NGC	3022		Glxy (R')SAB0^:	13	MCG -1-25-46 PGC 28257
NGC	2979	H521-3	Glxy Sa	12.7	
NGC	3050		Non-Existent		NGC 2979 PGC 27795 MCG -2-25-12 IRAS 9407-1009
NGC	2980	H528-3	Glxy SAB(s)c?	13.6	MCG -1-25-28 IRAS 9407-923 PGC 27799
NGC	2987		Glxy Sab	13.9	UGC 5220 MCG 1-25-17 CGCG 35-47 IRAS 9430+510 PGC 27981
NGC	2978		Glxy (R')SAB(rs)bc?	13.5	MCG -1-25-29 IRAS 9408-931 PGC 27808
NGC	2966		Glxy SB?	13.6	UGC 5181 MCG 1-25-13 MK 708 CGCG 35-33 IRAS 9395+454 PGC 27734

## Sextans - The Sextant

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 2967	H275-2	Glxy SA(s)c	12.3	UGC 5180 MCG 0-25-7 CGCG 7-20 IRAS 9394+33 PGC 27723
<b>Sub Total: 91</b>				

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
ARP 338		Glxy		ARP 338
IC 609		Glxy SAB(rs)bc pec	14.1	UGC 5641 MCG 0-27-9 CGCG 9-26 VV 354 ARP 44 PGC 30600
IC 575		Glxy Sa pec sp	13.2	MCG -1-25-58 VV 111 ARP 292 PGC 28575
IC 574		Glxy SA0-:	13.6	MCG -1-25-56 PGC 28569
IC 561		Glxy	15	MCG 1-25-19 CGCG 35-49 PGC 28002
IC 564		Glxy SA(s)cd? pec	14.1	UGC 5230 MCG 1-25-23 CGCG 35-54 ARP 303 PGC 28033
IC 563		Glxy SB(r)ab: pec	14.8	MCG 1-25-22 CGCG 35-53 ARP 303 PGC 28032
NGC 2974	H61-1	Glxy E4	11.9	MCG 0-25-8 UGC A172 CGCG 7-22 IRAS 9400-328 PGC 27762
NGC 3115	H163-1	Glxy S0- sp	9.9	Spindle Galaxy PGC 29265
NGC 3365		Glxy Scd: sp	13.2	UGC 5878 MCG 0-28-6 CGCG 10-8 PGC 32153
NGC 3169	H4-1	Glxy SA(s)a pec	11.1	UGC 5525 MCG 1-26-26 CGCG 36-66 PGC 29855
NGC 3166	H3-1	Glxy SAB(rs)0/a	11.3	UGC 5516 MCG 1-26-24 CGCG 36-64 IRAS 10111+340 PGC 29814
NGC 3165		Glxy SA(s)dm:	14.5	UGC 5512 MCG 1-26-23 CGCG 36-63 PGC 29798
NGC 3156	H255-3	Glxy S0:	13.1	UGC 5503 MCG 1-26-19 CGCG 36-57 PGC 29730
NGC 3110		Glxy SB(rs)b pec	13.5	NGC 3122 PGC 29192 MCG -1-26-14 IRAS 10015-614
NGC 3044	H254-3	Glxy SB(s)c? sp	12.5	UGC 5311 MCG 0-25-31 CGCG 7-56 IRAS 9511+148 PGC 28517
MAC 1010-0751		Glxy	14.5	
PAL 3		Globular	13.9	Palomar 3
PGC 27825		Glxy SB(s)d pec:	14	MCG -1-25-33
PGC 27997		Glxy SBdm	14.7	UGC 5224 MCG 1-25-18 CGCG 35-48
PGC 28567		Glxy S	17.3	MCG -1-25-57
PGC 29086		Glxy Sd: sp	15.7	MCG -1-26-12 UGC A193
PGC 29665		Glxy S0?	16.1	CGCG 8-61 Hickson 43C
PGC 31037		Glxy SBd:	13.8	UGC 5708 MCG 1-27-14 CGCG 37-61 KARA422
PGC 29700		Glxy	15.4	CGCG 8-65
PGC 29677		Glxy S?	15.8	CGCG 8-62 Hickson 43A
PGC 29673		Glxy	17.9	Hickson 43F
PGC 29670		Glxy		
PGC 29668		Glxy L	17.4	Hickson 43E
PGC 29666		Glxy S	17.1	Hickson 43D
PGC 29657		Glxy S?	16.1	CGCG 8-59 Hickson 43B
PGC 28586		Glxy S	15.5	MCG -1-25-59
PGC 28136		Glxy SBdm? sp	14.7	UGC 5245 MCG 0-25-17 CGCG 7-36 KARA371
PGC 27828		Glxy SB(s)m? sp	14.3	MCG -1-25-32 UGC A174 VV 52 ARP 253 ANON 941-5
PGC 27817		Glxy SB(s)dm? sp	16	MCG -1-25-31 UGC A173 VV 52 ARP 253 ANON 940-5
PGC 27742		Glxy	15.7	CGCG 7-21
<b>Sub Total: 36</b>				
<b>Total: 127</b>				

## Sagitta - The Arrow

Observed: No

<b>Object</b>	<b>Her</b>	<b>Type</b>	<b>Mag</b>	<b>Alias/Notes</b>
NGC 6839	H16-6	Non-Existent		
NGC 6892		Non-Existent		
IC 1312		Non-Existent		
NGC 6873		Non-Existent		
<b>Sub Total: 4</b>				

Observed: Yes

<b>Object</b>	<b>Her</b>	<b>Type</b>	<b>Mag</b>	<b>Alias/Notes</b>
NGC 6838		Globular	8.4	M 71
NGC 6879		PI Neb 2a	13	Henize 2-455 PK 57-8.1 PNG 57.2-8.9
PGC 64467		Glxy	15.3	CGCG 447-1
PGC 62854		Glxy		
PGC 62651		Glxy Sc-Irr	14.8	UGC 11385 MCG 3-48-2 IRAS 18574+1921
NGC 6886		PI Neb 2+3	12.2	Henize 2-458 PK 60-7.2 PNG 60.1-7.7
PAL 10		Globular	13.2	Palomar 10
IC 4997		PI Neb 1	11.6	Henize 2-464 PK 58-10.1 PNG 58.3-10.9
<b>Sub Total: 8</b>				
<b>Total: 12</b>				

## Sagittarius - The Archer

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 6432		Non-Existent		
IC 5007		Non-Existent		
IC 5004		Non-Existent		
IC 5003		Non-Existent		
NGC 6902		Glxy SA(r)b	11.6	IC 4948 PGC 64632 ESO 285-8 MCG -7-42-2
IC 4946		Glxy SAB(rs)0/a:	12.6	ESO 285-7 MCG -7-42-1 ANON 2020-44 PGC 64614
NGC 6902B		Glxy SAB(s)cd:	14.1	ESO 285-5 MCG -7-41-33 PGC 64580
NGC 6902A		Glxy SB(s)m pec	14.4	ESO 285-4 MCG -7-41-32 PGC 64575
IC 4998		Glxy SBc	13.3	IC 5018 IC 4998 ESO 340-20 MCG -6-44-30 IRAS 20188-3828 PGC 64546
IC 5018		Non-Existent		IC 5018 IC 4998 ESO 340-20 MCG -6-44-30 IRAS 20188-3828 PGC 64546
IC 4991		Non-Existent		ESO 340-11 MCG -7-41-24 PGC 64450
NGC 6890		Glxy SA(rs)b	13	ESO 284-54 MCG -7-41-23 IRAS 20148-4457 PGC 64446
NGC 6878		Glxy SA(s)b	13.5	ESO 284-31 MCG -7-41-15 IRAS 20104-4440 PGC 64317
NGC 6878A		Glxy SAB(rs)b	13.8	ESO 284-29 MCG -7-41-13 PGC 64314
IC 4948		Glxy	17.3	ESO 284-18 PGC 64134
IC 4940		Non-Existent		
IC 4924		Non-Existent		
IC 4922		Non-Existent		
IC 4898		Non-Existent		
IC 1308		Non-Existent		
IC 4895		Non-Existent		NGC 6822 MCG -2-50-6 DDO209 IRAS 19421-1455 PGC 63616
NGC 6797		Non-Existent		
IC 4863		Non-Existent		(STAR)
NGC 6737		Non-Existent		
IC 4816		Non-Existent		
IC 4802		Non-Existent		
IC 1274		Nebula E		IC 1274
IC 4685		Open Cl R		
IC 4684		Non-Existent		IC 4684
NGC 6554		Non-Existent		
NGC 6551		Non-Existent		
IC 4683		Non-Existent		
IC 4678		Nebula		
NGC 6529		Non-Existent		
IC 1271		Nebula EN+*		
NGC 6698	H15-6	Non-Existent		
IC 1292		Non-Existent		
IC 1290		Non-Existent		(STAR)
NGC 6647	H14-8	Open Cl		Not In Megastar 18h 31.5m -17d 21m
NGC 6634		Non-Existent		
IC 4707		Non-Existent		
IC 4706		Non-Existent		
IC 1284		Non-Existent		IC 1283
IC 4700		Non-Existent		NGC 6590
IC 4715		Non-Existent		M24 NGC 6603

## Sagittarius - The Archer

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 6573		Non-Existent		
IC 4690		Non-Existent		
NGC 6561	H54-8	Non-Existent		
NGC 6556		Non-Existent		
IC 1275		Non-Existent		IC 1275
NGC 6559		Nebula E		
NGC 6476		Non-Existent		
NGC 6506		Open Cl 13.0 IV 1 p		
IC 4673		PI Neb 4	12.9	ESO 521-15 Minkowski 1-36 Henize 2-333
NGC 6533	H13-5	Nebula		
NGC 6519		Non-Existent		
NGC 6465		Non-Existent		
NGC 6439		PI Neb 2a	13.8	Henize Sanduleak PK

**Sub Total: 58**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 1283		Nebula E+R		IC 1284 SH2-37 LBN 47
IC 1309		Glxy SAB(rs)bc pec	13.6	PGC 64030
IC 4670		PI Neb PN	12	Henize 2-305 ESO 589-20 Sanduleak 2-264 Hubble 6 PK 7+1.1 PNG 7.2+1.8
IC 4725		Open Cl 8.0 I 3 m	4.6	M 25 Cr 382
IC 4732		PI Neb 1	13.3	ESO 523-1 Henize 2-410 Sanduleak 2-345
IC 4701		Nebula E		
IC 4681		Nebula		IC 4681
IC 4776		PI Neb 2a	11.7	ESO 396-2 Henize 2-421 Sanduleak 2-363
IC 4926		Glxy E?	13.9	ESO 339-18 MCG -6-44-5 PGC 63961
MAC 1952-3049		Glxy	14	
IC 4931		Glxy E+:	13	ESO 339-23 MCG -6-44-8 PGC 63976
IC 4913		Glxy SA0-	13.9	ESO 399-5 MCG -6-43-13 PGC 63850
NGC 6440	H150-1	Globular	9.3	
NGC 6563		PI Neb 3a	13.8	ESO 394-33 Henize 2-361 Sanduleak 2-308
NGC 6558		Globular	8.6	
NGC 6553	H12-4	Globular	8.3	
NGC 6546		Open Cl 10.6 II 1 r	8	
NGC 6544	H197-2	Globular	7.5	
NGC 6540	H198-2	Globular	14.6	
NGC 6537		PI Neb 2a+6	12.5	ESO 590-1 Henize 2-340 Sanduleak 2-294
NGC 6531		Open Cl 8.0 I 3 r	5.9	M 21 Cr 363
NGC 6530		Open Cl 6.0 II 2 m n	4.6	
NGC 6681		Globular	7.8	M 70
NGC 6656		Globular	5.2	M 22
NGC 6652		Globular	8.5	
NGC 6645	H23-6	Open Cl 12.0 IV 1 m	8.5	
NGC 6644		PI Neb 2	12.2	ESO 522-23 Henize 2-408 Sanduleak 2-343

## Sagittarius - The Archer

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 6642	H205-2	Globular	8.9	
NGC 6638	H51-1	Globular	9.2	
NGC 6637		Globular	7.7	M 69
NGC 6629	H204-2	PI Neb 2a	11.6	ESO 522-26 Henize 2-399 Sanduleak 2-335
NGC 6626		Globular	6.9	M 28
NGC 6624	H50-1	Globular	7.6	
NGC 6620		PI Neb 2b	15	ESO 522-22 Henize 2-394 Sanduleak 2-332
NGC 6618		Nebula EN+OC		M 17 Omega Nebula SH2-45 LBN 60
NGC 6613		Open Cl 8.7 II 3 p n	6.9	M 18 Cr 376
NGC 6603		Open Cl 14.0 I 2	11.1	M 24
NGC 6596	H55-8	Open Cl II 2 m n		
NGC 6595		Nebula III 3 m n	7	
NGC 6590		Nebula R		IC 4700 LBN 43
NGC 6589		Nebula R		
NGC 6583	H31-7	Open Cl I 2 m	10	
NGC 6578		PI Neb 2a	13.1	ESO 590-12 Henize 2-381 Sanduleak 2-322
NGC 6569	H201-2	Globular	8.4	
NGC 6568	H30-7	Open Cl IV 1 m	8.6	
NGC 6567		PI Neb 2a+3	11.7	ESO 590-8 Henize 2-369 Sanduleak 2-314
NGC 6565		PI Neb 4	13.2	ESO 456-70 Henize 2-362 Sanduleak 2-307
NGC 6528	H200-2	Globular	9.6	
NGC 6526	H9-5	Nebula E		
NGC 6523		Nebula E	5	M 8 Lagoon Nebula IC 1271 LBN 25
NGC 6522	H49-1	Globular	9.9	
NGC 6520	H7-7	Open Cl 9.0 I 2 r n	7.6	
NGC 6514	H41-4	Nebula EN+OC		M 20 Trifid Nebula LBN 27
NGC 6507	H53-8	Open Cl 12.0 IV 3 m	9.6	
NGC 6494		Open Cl 10.0 II 2 r	5.5	M 23 Cr 356
NGC 6445	H586-2	PI Neb 3b+3	13.2	Little Gem ESO 589-9 Henize 2-290
NGC 6469		Open Cl IV 2 m	8.2	
NGC 6715		Globular	7.7	M 54
NGC 6723		Globular	6.8	
NGC 6774		Open Cl 9.0 IV 2 p		
NGC 6794		Glxy SA(rs)ab:	13.9	ESO 338-5 MCG -7-40-1 PGC 63241
NGC 6805		Glxy E1	14.3	ESO 338-14 MCG -6-43-2 PGC 63413
NGC 6809		Globular	6.3	M 55
SAND 2-348		PI Neb 2	15.1	Sanduleak 2-348 PK 10-6.2 PNG 10.7-6.7 Perek 1-13 ESO 523-3
PGC 63959		Glxy SB(r)0+	14.1	ESO 339-17 MCG -6-44-3
NGC 6864		Globular	8.6	M 75
NGC 6849		Glxy SB0-:	13	ESO 339-32 MCG -7-41-7 PGC 64097
NGC 6841		Glxy E0:	13.8	ESO 461-23 MCG -5-47-11 PGC 63881
NGC 6836		Glxy SABm	13.4	MCG -2-50-10 IRAS 19518-1249 PGC 63803
NGC 6835		Glxy SB(s)a? sp	13.4	MCG -2-50-9 IRAS 19517-1241 PGC 63800
NGC 6822		Glxy IB(s)m	9.3	Barnard's Galaxy IC 4895 PGC 63616
NGC 6818	H51-4	PI Neb 4	9.9	Sanduleak 2-392 PK 25-17.1 PNG 25.8-17.9

## Sagittarius - The Archer

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 6816		Glxy SB(rs)bc pec	14.2	ESO 460-30 MCG -5-46-6 PGC 63587
PGC 63900		Glxy SB(rs)c pec?	14.5	ESO 461-25 MCG -5-47-16 IRAS 19551-3154
PGC 63752		Glxy S?	15.9	MCG -5-47-2 Hickson 86C
PGC 63749		Glxy S?	15.7	MCG -5-47-1 Hickson 86D
PGC 63748		Glxy E2	14.8	MCG -5-47-3 Hickson 86B
PGC 63604		Glxy SB0-? pec	14.4	ESO 460-33 MCG -5-46-7
PGC 63600		Knt in Glxy r	14.2	MCG -2-50-3
PGC 63596		Knt in Glxy	15.2	MCG -2-50-2 IRAS 19417-1449
PGC 63592		Glxy Sc sp	15.1	ESO 460-31 IRAS 19412-2731
PGC 63587		Glxy SA(rs)0-:	14.1	ESO 460-30 MCG -5-46-6
NGC 6806		Glxy SAB(rs)c pec	13.7	ESO 338-15 MCG -7-40-3 FAIR1162 VV 411 IRAS 19336-4224 PGC 63416
NGC 6717	H143-3	Globular	8.4	
NGC 6716		Open Cl 8.3 IV 1 p	7.5	

**Sub Total: 85****Total: 143**

## Taurus - The Bull

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC		1930		Non-Existent
IC		2144		Non-Existent
NGC	H42-8	1996		Non-Existent
NGC		1988		Non-Existent
NGC	H4-8	1896		Non-Existent
NGC		1675		Non-Existent
NGC		1674		Non-Existent
NGC		1655		Non-Existent
IC		2088		Non-Existent
IC		383		Non-Existent
NGC		1608		Non-Existent NGC 1593 IC 2077
IC		2077		Non-Existent NGC 1593 NGC 1608
IC		2061		Non-Existent
NGC		1551		Non-Existent NGC 1550
IC		360		Non-Existent
IC		354		Non-Existent
IC		341		Non-Existent
IC		349		Non-Existent
IC		1990		Non-Existent
IC		1995		Non-Existent
NGC		1456		Non-Existent
IC		336		Non-Existent
IC		1941		Non-Existent

**Sub Total: 23**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC		322	15	CGCG 390-89 CGCG 416-8 PGC 12820
IC		374	15.9	MCG 3-12-1 CGCG 467-1 ARAK107 PGC 15474
IC		366	15.7	CGCG 393-2 PGC 14887
IC		365	14.5	MCG 1-11-17 CGCG 392-21 IRAS 4166+313 PGC 14860
IC		364	15.2	CGCG 392-20 PGC 14854
IC		363	15.4	CGCG 392-19 PGC 14847
IC		359	14.9	UGC 2980 MCG 5-10-9 CGCG 508-8 PGC 14653
IC		358	15.1	UGC 2940 MCG 3-11-6 CGCG 466-9 PGC 14382
IC		357	14.1	UGC 2941 MCG 4-10-16 CGCG 487-16 IRAS 4007+2201 PGC 14384
IC		331	14.8	MCG 0-10-3 CGCG 391-5 IRAS 3296+5 PGC 13119
IC		332	14.7	MCG 0-10-4 CGCG 391-6 KARA129 PGC 13137
IC		338	14.7	MCG 0-10-7 CGCG 391-18 PGC 13373
IC		355	15.4	MCG 3-10-10 CGCG 465-10 IRAS 3509+1949 PGC 14052
IC		353		Nebula R
IC		330	15	UGC 2779 MCG 0-10-2 CGCG 391-4 PGC 13117
IC		329	15.2	MCG 0-10-1 CGCG 391-2 PGC 13109
PGC		14304	15.3	MCG 4-10-4 CGCG 487-6

## Taurus - The Bull

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 14314		Glxy (R)SB(s)a	14.6	UGC 2927 MCG 4-10-6 CGCG 487-7
PGC 14333		Glxy SA(s)c	14.6	UGC 2931 MCG 4-10-10 CGCG 487-11 IRAS 3593+2540
PGC 14451		Glxy	15.3	CGCG 487-20
PGC 14688		Glxy Irr	15.5	UGC 2986 MCG 5-10-10
PGC 16871		Glxy L	17.5	Hickson 33D
PGC 16867		Glxy E	16.1	CGCG 469-2 Hickson 33A
PGC 16866		Glxy E	16.2	CGCG 469-2 Hickson 33B
PGC 16863		Glxy S	17.7	Hickson 33C
PGC 15873		Glxy S	15.1	UGC 3141 MCG 0-12-73 CGCG 393-74 2ZW21 IRAS 4405+39
PGC 15491		Glxy Dwarf Spiral	15.7	UGC 3086
PGC 14892		Glxy SB?	14.4	UGC 3014 MCG 0-12-2 CGCG 393-4 ARP 20 IRAS 4172+158
PGC 14687		Glxy Sc	14.7	UGC 2985 MCG 5-10-11 CGCG 487-26 IRAS 4104+2724
PGC 14431		Glxy SBab:	14.6	UGC 2949 MCG 4-10-19 CGCG 487-19 IRAS 4020+2507
PGC 14315		Glxy (R')SAB(s)a	15.2	UGC 2928 MCG 4-10-5 CGCG 487-8
NGC 1312		Glxy (R')SBb: sp	15.4	STAR CGCG 518-23 CGCG 519-1 PGC 12682
NGC 1349		Glxy S0	14.2	UGC 2774 MCG 1-9-6 CGCG 416-13 KARA128 PGC 13088
NGC 1409	H263-3	Glxy SAB0: pec	14.7	UGC 2821 MCG 0-10-11 CGCG 391-28 3ZW55 VV 729 PGC 13553
NGC 1431		Glxy S0 pec:	15	UGC 2845 MCG 0-10-17 CGCG 391-33 PGC 13732
NGC 1435		Nebula RN		Merope Nebula NGC 1432 IC 349
NGC 1488		Glxy	15.4	CGCG 466-3 PGC 14181
NGC 2026	H28-8	Open Cl 9.0 cluster?		
NGC 1554		Nebula R		Struve's Lost Nebula NGC 1555 SH2-238 LNB 817
NGC 1550	H464-2	Glxy E-S0	12.1	NGC 1551 PGC 14880 UGC 3012 MCG 0-11-55 CGCG 393-1
NGC 1542		Glxy Sab	14.8	UGC 3003 MCG 1-11-16 CGCG 418-17 IRAS 4145+439 KARA145 PGC 14800
NGC 1541		Glxy S0+:	14.6	UGC 3001 MCG 0-11-40 CGCG 392-13 PGC 14792
NGC 1539		Glxy C	15.6	CGCG 488-1 5ZW373 PGC 14852
NGC 1517		Glxy Scd:	14.1	UGC 2970 CGCG 418-13 IRAS 4064+831 PGC 14564
NGC 1514	H69-4	PI Neb 3+2	10	PK 165-15.1 PNG 165.5-15.2
NGC 1508		Glxy Sc	15.3	MCG 4-10-21 CGCG 487-21 PGC 14454
NGC 1497		Glxy S0	14.1	UGC 2929 MCG 4-10-8 CGCG 487-9 PGC 14331
NGC 1634	H953-3	Glxy E	15.1	MCG 1-12-15 CGCG 419-22 ARAK109 PGC 15775
NGC 1633	H952-3	Glxy SAB(s)ab	14.4	UGC 3125 MCG 1-12-14 CGCG 419-23 PGC 15774
NGC 1615		Glxy SA0-:	14.6	UGC 3096 MCG 3-12-5 CGCG 467-3 PGC 15608
NGC 1593		Glxy S0^:	14.4	NGC 1608 IC 2077 PGC 15447 UGC 3082 MCG 0-12-44 CGCG 393-37
NGC 1590		Glxy Pec	14.5	UGC 3071 MCG 1-12-8 CGCG 419-14 2ZW13 IRAS 4284+731 KUG 428+75 PGC 15368
NGC 1589	H7-2	Glxy Sab sp	12.8	UGC 3065 MCG 0-12-38 CGCG 393-30 PGC 15342
NGC 1588	H9-2	Glxy E pec?	13.9	UGC 3064 MCG 0-12-37 MK 616 CGCG 393-29 2ZW12 PGC 15340
NGC 1587	H8-2	Glxy E pec	11.7	UGC 3063 MCG 0-12-35 CGCG 393-28 2ZW12 PGC 15332
NGC 1555		Nebula RN		Hind's Variable Nebula NGC 1554 SH2-238 LBN 817
NGC 1952		Nebula E	8.4	M 1 Crab Nebula Supernova Remnant
NGC 1817	H4-7	Open Cl 9.0 IV 2 r	7.7	
NGC 1807		Open Cl 9.0 II 2 p	7	
NGC 1802	H41-8	Open Cl 9.2 asterism?		
NGC 1758	H21-7	Open Cl III 2 p		
NGC 1750	H43-8	Open Cl OCL		

## Taurus - The Bull

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 1746		Open Cl 8.0 III 2 p	6.1	
NGC 1647	H8-8	Open Cl 9.0 II 2 r	6.4	
NGC 1642		Glxy SA(rs)c:	13.3	UGC 3140 MCG 0-12-72 CGCG 393-73 IRAS 4403+31 PGC 15867
NGC 1462		Glxy S?	15.1	MCG 1-10-10 CGCG 417-7 PGC 13945
NGC 1432		Nebula R		Maia Nebula NGC 1435 IC 349
NGC 1410		Glxy E pec:	14.5	UGC 2821 MCG 0-10-12 CGCG 391-28 3ZW55 VV 729 PGC 13556
NGC 1384		Glxy S?	15.4	MCG 3-10-3 CGCG 465-4 PGC 13448
IC 1918		Glxy	14.8	CGCG 416-9 PGC 12834
IC 1967		Glxy Sbc	15	MCG 0-10-8 CGCG 391-20 IRAS 3351+306 PGC 13382
IC 1977		Glxy SBb	14.3	UGC 2815 MCG 3-10-5 CGCG 465-7 IRAS 3378+1734 PGC 13536
IC 1956		Glxy SBbc:	15.3	UGC 2795 MCG 1-10-1 CGCG 417-1 IRAS 3329+454 KARA130 PGC 13279
IC 1931		Glxy D	15.3	MCG 0-9-87 CGCG 390-94 PGC 12950
IC 1998		Glxy	15.7	CGCG 391-39 PGC 13978
IC 2016		Glxy C	15.6	CGCG 466-6 PGC 14322
MEL 25		Open Cl	.5	The Hyades
MAC 0404+2002		Glxy	16	
MAC 0401+0538		Glxy	16	
M 45		Open Cl	1.2	M 45 Pleiades ESO 193-8 FAIR1063
IC 2087		Nebula R		
IC 2074		Open Cl		
IC 2057		Glxy S?	15	CGCG 419-2 KARA148 PGC 14962
IC 2019		Glxy Double System	15.3	UGC 2930 MCG 1-11-7 CGCG 418-7 PGC 14324
IC 2002		Glxy SBa	14.7	UGC 2898 MCG 2-10-3 CGCG 442-5 KARA135 PGC 14080

**Sub Total: 85****Total: 108**

## Telescopium - The Telescope

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 4679		Glxy SB(s)cd	13.8	ESO 182-5 IRAS 18071-5615 PGC 61522
IC 4879		Glxy Sa?	14.5	ESO 232-16 IRAS 19357-5229 PGC 63480
IC 4877		Glxy SB0^?	14.6	ESO 232-14 IRAS 19341-5206 PGC 63443
IC 4876		Glxy SAB(rs)cd?	14.3	ESO 185-4 IRAS 19338-5257 PGC 63434
IC 4875		Glxy Im? pec	14.5	ESO 232-12 PGC 63433
IC 4874		Glxy SAB(rs)bc:	14.7	ESO 283-11 PGC 63403
IC 4873		Glxy		
IC 4868		Non-Existent		(STAR)
NGC 6799		Glxy SA0-:	13.4	ESO 184-78 PGC 63339
IC 4865		Non-Existent		(STAR)
IC 4919		Glxy SB(s)dm pec	15	ESO 185-43 PGC 63956
IC 4920		Glxy S	16.6	ESO 185-44 PGC 63957
IC 4918		Glxy	16.2	ESO 233-16 PGC 63929
IC 4917		Glxy SA0^	15.2	ESO 233-15 PGC 63923
IC 4915		Glxy SA0-	14.8	ESO 185-38 FAIR876 PGC 63909
IC 4907		Glxy S	16.1	ESO 185-28 PGC 63831
IC 4916		Glxy SA(s)b? pec	14.4	ESO 233-13 PGC 63902
IC 4914		Glxy S	15.9	ESO 233-11 PGC 63885
IC 4911		Glxy S0:	16.1	ESO 233-9 PGC 63877
NGC 6909		Glxy E+:	12.6	ESO 285-12 PGC 64725
IC 5002		Glxy S0^	14.2	ESO 186-44 PGC 64695
IC 5001		Glxy SB(s)0/a: pec	15.2	ESO 186-42 PGC 64681
NGC 6899		Glxy SAB(r)bc:	13.4	ESO 234-22 FAIR896 IRAS 20207-5035 PGC 64630
NGC 6893		Glxy SAB(s)0^	12.8	ESO 234-6 FAIR537 IRAS 20172-4824 PGC 64507
IC 4995		Glxy SA0^ pec?	14.3	ESO 186-34 FAIR341 IRAS 20162-5246 PGC 64491
IC 4994		Glxy SA0^: pec	13.9	ESO 186-33 PGC 64489
NGC 6889		Glxy SBbc? pec	13.7	ESO 186-29 IRAS 20151-5406 PGC 64464
IC 4987		Glxy SAB(s)c:	15.1	ESO 233-52 FAIR891 PGC 64428
NGC 6887		Glxy SABc:	12.8	ESO 186-27 IRAS 20135-5257 PGC 64427
IC 4986		Glxy SAB(s)dm	14.1	ESO 186-26 PGC 64423
IC 4984		Glxy S	15.4	ESO 186-23 PGC 64388
IC 4983		Glxy SB(r)c	14.3	ESO 233-48 IRAS 20123-5214 PGC 64382
IC 4979		Glxy SAB(r)cd	14.9	ESO 186-19 PGC 64342
IC 4978		Glxy	15.4	ESO 186-18 PGC 64338
IC 4975		Glxy (R')SB(rs)0^:	14.3	ESO 186-17 FAIR535 PGC 64325
IC 4966		Non-Existent		(STAR) ESO 186-14 PGC 64297
NGC 6875		Glxy SAB(s)0- pec:	13	ESO 284-28 IRAS 20096-4618 PGC 64296
IC 4969		Glxy (R')SA(rs)a pec	15.1	ESO 186-13 PGC 64288
IC 4963		Glxy (R')SAB(rs)a p:	14.3	ESO 186-10 IRAS 20081-5523 PGC 64255
NGC 6875A		Glxy SB(r)bc? sp	13.9	ESO 284-24 IRAS 20084-4617 PGC 64240
IC 4956		Glxy E0:	13.4	ESO 284-23 IRAS 20079-4544 PGC 64230
IC 4961		Glxy SAB(s)dm:	15	ESO 186-8 PGC 64229
NGC 6861F		Glxy SBdm? sp	15.2	ESO 233-43 PGC 64219
NGC 6861E		Glxy Sab:	15.1	ESO 233-42 PGC 64216
IC 4959		Non-Existent		

# Telescopium - The Telescope

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 6867		Glxy SB(rs)bc:	13.9	ESO 186-6 IRAS 20065-5455 PGC 64203
NGC 6870		Glxy SAB(r)ab	13.2	ESO 233-41 IRAS 20065-4826 PGC 64197
NGC 6868		Glxy E2	11.7	ESO 233-39 PGC 64192
IC 4957		Glxy (R')SB(s)a:	15.2	ESO 186-3 IRAS 20056-5551 PGC 64183
NGC 6862		Glxy SB(rs)b:	13.4	ESO 186-2 IRAS 20049-5632 PGC 64168
IC 4952		Glxy Sa:	14	ESO 186-1 PGC 64163
IC 4950		Glxy SB(s)bc	15.1	ESO 185-70 PGC 64159
NGC 6861D		Glxy SA(s)0-:	13.4	ESO 233-34 PGC 64153
IC 4947		Glxy E+1 pec:	15	ESO 185-69 PGC 64138
NGC 6861		Glxy SA(s)0-:	12.1	IC 4949 PGC 64136 ESO 233-32 IRAS 20037-4830
IC 4949		Non-Existent		ESO 233-32 IRAS 20037-4830 PGC 64136
IC 4944		Glxy SA(rs)0+:	14.6	ESO 185-67 IRAS 20032-5435 PGC 64129
IC 4941		Glxy SB(s)dm	15.5	ESO 185-66 PGC 64124
NGC 6855		Glxy (R')SB(rs)0+:	13.8	ESO 185-63 PGC 64116
IC 4942		Glxy (R')SB(s)ab? p	16.3	ESO 185-65 PGC 64114
NGC 6861C		Glxy S0 pec? sp	15	ESO 233-31 PGC 64107
IC 4943		Glxy E pec:	13.6	ESO 233-28 PGC 64102
NGC 6861B		Glxy SB0^ pec? sp	15.1	ESO 233-26 PGC 64094
NGC 6851B		Glxy Sbc: sp	14.8	ESO 233-25 PGC 64086
NGC 6861A		Non-Existent		
NGC 6851A		Glxy SB(rs)d pec	16.7	NGC 6861A PGC 64082 ESO 233-23
NGC 6854		Glxy SAB(s)0- pec:	13.2	ESO 185-61 PGC 64081
IC 4937		Glxy Sb sp	14.9	ESO 185-60 IRAS 20012-5623 PGC 64074
NGC 6851		Glxy E:	12.7	ESO 233-21 PGC 64044
NGC 6850		Glxy SB(s)0+ pec:	13.5	ESO 185-56 IRAS 19595-5459 PGC 64043
IC 4933		Glxy (R')SB(r)bc:	12.9	ESO 185-55 FAIR338 IRAS 19595-5507 PGC 64042
NGC 6848		Glxy Sa: sp	12.1	ESO 185-52 IRAS 19588-5613 PGC 64023
IC 4930		Non-Existent		
IC 4932		Glxy SA(r)a	15.4	ESO 185-49 FAIR881 PGC 64012
IC 4927		Glxy Sb	15.1	ESO 185-48 PGC 64000
IC 4925		Glxy S	16.4	ESO 185-46 FAIR525 PGC 63991
NGC 6845B		Glxy SBb? pec	14.9	
NGC 6845A		Non-Existent		
NGC 6845		Glxy SBb	13	ESO 284-8 IRAS 19573-4712 PGC 63985
IC 4923		Glxy (R)SB(r)0^ pec	14.5	ESO 185-45 FAIR880 PGC 63984
NGC 6845C		Glxy S0+: pec sp	16.3	
NGC 6845D		Glxy S0: pec sp	15.5	
IC 4908		Glxy S?	15	ESO 185-30 FAIR522 PGC 63855
IC 4909		Glxy SA(s)bc?	14.6	ESO 233-8 FAIR875 PGC 63848
IC 4902		Glxy S	16.1	ESO 185-24 PGC 63798
IC 4900		Glxy S	16.2	ESO 233-2 PGC 63718
IC 4897		Glxy SB(rs)b:	15.6	ESO 233-1 PGC 63703
IC 4894		Glxy SB(rs)b pec	14.6	ESO 232-25 IRAS 19431-5158 PGC 63662
IC 4890		Glxy SB(r)b pec	14.7	ESO 185-16 PGC 63631
IC 4891		Non-Existent		PGC 63621

## Telescopium - The Telescope

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 6812		Glxy S0: pec	13.6	ESO 185-15 PGC 63625
IC 4889		Glxy E5-6	12.1	ESO 185-14 PGC 63620
IC 4888		Glxy SA0-	14.6	ESO 185-12 PGC 63609
IC 4886		Glxy Sb: pec	14.1	ESO 232-18 IRAS 19392-5155 PGC 63555
IC 4883		Glxy SB(s)b?	14.6	ESO 185-11 IRAS 19379-5539 PGC 63537
IC 4880		Glxy SB(s)0+:	14.3	ESO 185-10 PGC 63508
IC 4881		Glxy SB(s)bc?	14.6	ESO 185-8 IRAS 19363-5558 PGC 63506
IC 4882		Glxy SB(r)b:	14.6	ESO 185-9 FAIR519 IRAS 19363-5518 PGC 63505
IC 4856		Glxy IB(s)m pec:	14.4	ESO 184-69 PGC 63226
NGC 6788		Glxy SA(s)ab	12.9	ESO 184-67 IRAS 19227-5503 PGC 63214
NGC 6780		Glxy SAB(rs)c	13.3	ESO 184-62 IRAS 19187-5552 PGC 63151
IC 4844		Glxy SB(r)b:	14	ESO 184-54 PGC 63056
IC 4840		Glxy SB0+?	14.3	ESO 184-49 IRAS 19116-5617 PGC 62983
IC 4839		Glxy (R)SAB(s)bc pec	13.2	ESO 184-48 IRAS 19114-5443 PGC 62975
IC 4837A		Glxy SA(s)b: sp	12.6	ESO 184-47 FAIR859 IRAS 19112-5413 PGC 62964
IC 4818		Glxy (R')SB(r)0+:	15.3	ESO 184-9 PGC 62766
IC 4810		Glxy SAB(s)d? sp	13.1	ESO 184-2 PGC 62706
NGC 6725		Glxy S0 sp	12.2	ESO 183-36 PGC 62692
IC 4797		Glxy E+ pec:	12.3	ESO 183-29 PGC 62589
IC 4796		Glxy SB(s)0^:	13.2	ESO 183-28 PGC 62588
IC 4792		Glxy Sa:	15	ESO 183-26 IRAS 18514-5628 PGC 62573
NGC 6708		Glxy Sb:	12.7	ESO 183-27 IRAS 18515-5347 PGC 62569
NGC 6707		Glxy SB(s)c?	13.3	ESO 183-25 IRAS 18512-5352 PGC 62563
IC 4786		Glxy S	15.9	ESO 183-24 PGC 62526
IC 4837		Glxy SB(s)cd pec	13	ESO 184-46 IRAS 19112-5444 PGC 62963
NGC 6761		Glxy (R)SB(r)ab	14.3	ESO 231-28 FAIR858 IRAS 19113-5044 PGC 62957
IC 4832		Glxy SA(s)a: sp	13.7	ESO 184-39 IRAS 19098-5641 PGC 62938
NGC 6758		Glxy E+:	12.7	ESO 184-37 PGC 62935
IC 4829		Glxy SA(s)b? sp	14.7	ESO 184-31 PGC 62902
NGC 6754		Glxy SB(rs)b	12.9	ESO 231-25 IRAS 19075-5043 PGC 62871
IC 4821		Glxy SA(s)c?	13.6	ESO 184-17 IRAS 19054-5505 PGC 62830
NGC 6754A		Glxy Sb	13.5	
IC 4817		Glxy SAB(r)bc pec:	14.5	ESO 184-10 PGC 62771
IC 4709		Glxy (R_1)SB(r)0+	14.4	ESO 182-14 IRAS 18200-5623 PGC 61835
IC 4719		Glxy SA(s)dm pec:	13.6	ESO 183-2 IRAS 18289-5646 PGC 62022
IC 4761		Glxy (R')SB(r)bc:	13.9	ESO 183-10 PGC 62326
IC 4782		Glxy Scd:	14.7	ESO 183-18 PGC 62495
IC 4777		Glxy SB0?	14.6	ESO 183-13 FAIR334 PGC 62440
NGC 6584		Globular	7.9	
IC 4699		PI Neb 2	11.9	

**Sub Total: 130****Total: 130**

# Triangulum Australis - The Southern Triangle

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 5844		PI Neb	13.2	
NGC 6183		Glxy SAa	14.6	ESO 69-8 PGC 58785
NGC 6156		Glxy SAB(rs)c pec:	12.3	ESO 137-33 FAIR329 IRAS 16304-6030 PGC 58536
IC 4571		Glxy SB(rs)b pec:	14.9	ESO 99-11 IRAS 15440-6710 PGC 56106
IC 4584		Glxy SA(rs)cd	13.5	ESO 100-4 IRAS 15554-6614 PGC 56627
IC 4585		Glxy SB(s)b	13	ESO 100-5 IRAS 15555-6610 PGC 56630
IC 4595		Glxy Sc: sp	14.2	ESO 69-2 IRAS 16153-7001 PGC 57876
NGC 6025		Open Cl 7.0 II 3 r	5.1	
NGC 5979		PI Neb	11.8	
NGC 5938		Glxy SB(rs)bc	11.7	ESO 99-7 IRAS 15317-6641 PGC 55582

**Sub Total: 10****Total: 10**

# Triangulum - The Triangle

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 1713		Non-Existent		(STAR) UGC 1100 MCG 6-4-37 CGCG 521-45 IRAS 1296+3506 PGC 5746
NGC 832		Non-Existent		STAR CGCG 478-40 PGC 8280
IC 1773		Non-Existent		UGC 1557 MCG 5-5-49 CGCG 503-79 CGCG 504-1 PGC 7873
NGC 793		Non-Existent		
IC 188		Non-Existent		
IC 1765		Non-Existent		UGC 1497 MCG 5-5-42 MK 1171 CGCG 503-73 IRAS 1582+3138 PGC 7657
NGC 760		Non-Existent		
NGC 737		Non-Existent		
IC 165		Non-Existent		UGC 1292 MCG 4-5-17 CGCG 482-22 IRAS 1474+2724 PGC 6759
NGC 627		Non-Existent		
NGC 983		Non-Existent		
NGC 978A		Non-Existent		NGC 978
NGC 952		Non-Existent		
IC 1800		Non-Existent		(STAR)
NGC 917		Glxy Sab	13.7	
NGC 843		Non-Existent		
IC 139		Non-Existent		SINGLE STAR
IC 140		Non-Existent		SINGLE STAR
NGC 603		Non-Existent		
NGC 618		Non-Existent		
NGC 616		Non-Existent		
IC 137		Non-Existent GxyP		In NGC/IC
IC 134		Non-Existent		(STAR)

**Sub Total: 23**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
CR 21		Open Cl III3p	8.2	
IC 143		Knt in Glxy		
IC 187		Glxy SBa	13.8	UGC 1507 MCG 4-5-37 CGCG 482-48 IRAS 1587+2614 PGC 7683
IC 227		Glxy E	15.5	UGC 1932 MCG 5-6-48 CGCG 504-87 PGC 9383
IC 226		Glxy S?	15.5	UGC 1922 MCG 5-6-46 PGC 9373
IC 221		Glxy Sc	13.7	UGC 1835 MCG 5-6-34 CGCG 504-68 IRAS 2197+2801 PGC 9035
IC 200		Glxy	15.2	CGCG 504-12 PGC 8064
IC 171		Glxy E?	13.2	UGC 1388 MCG 6-5-50 CGCG 522-64 PGC 7139
IC 142		Knt in Glxy		
IC 132		Knt in Glxy		
IC 133		Knt in Glxy		
IC 136		Knt in Glxy		
IC 135		Knt in Glxy		
IC 131		Knt in Glxy		
IC 1718		Glxy Compact	15.1	CGCG 503-2 CGCG 502-122 KUG 135+331 PGC 6068
IC 1731		Glxy SAB(s)c:	14	UGC 1291 MCG 4-5-18 CGCG 482-21 PGC 6756
IC 1735		Glxy SB	14.9	MCG 5-5-18 CGCG 503-29 PGC 6803

# Triangulum - The Triangle

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 1753		Glxy E?	14.9	MCG 5-5-33 CGCG 503-61 ARAK68 5ZW149 6ZW122 IRAS 1544+2821 KARA74 PGC 7353
IC 1784		Glxy SA(rs)bc pec:	14	UGC 1744 MCG 5-6-19 CGCG 504-41 IRAS 2132+3225 PGC 8676
IC 1789		Glxy Sa:	14.6	UGC 1763 MCG 5-6-24 CGCG 504-49 IRAS 2149+3210 PGC 8766
IC 1793		Glxy Sab	14.7	UGC 1816 MCG 5-6-27 CGCG 504-62 IRAS 2186+3219 PGC 8969
MAC 0150+3301		Glxy	16	
MAC 0150+3300		Glxy	16	
MAC 0150+2708		Glxy	16	
MAC 0149+3237		Glxy	15	
MAC 0147+3524		Glxy	16.5	
MAC 0147+3523		Glxy	16	
MAC 0147+2717		Glxy	16	
MAC 0139+3507		Glxy	16.5	
MAC 0135+3104		Glxy	18	
MAC 0209+3043		Glxy	15.5	
MAC 0208+2917		Glxy	17	
MAC 0201+3154		Glxy	16	
MAC 0201+2852		Glxy	17.5	
MAC 0201+2629		Glxy	14.5	
MAC 0159+3053		Glxy	16	
MAC 0157+3324		Glxy	16.5	
MAC 0151+3301		Glxy	16	
MAC 0150+3313		Glxy	16.5	
MAC 0234+3253		Glxy	16	
MAC 0234+3247		Glxy	16	
MAC 0234+3224		Glxy	15.5	
MAC 0228+3118		Glxy	16	
MAC 0227+2814B		Glxy	17	
MAC 0227+2814A		Glxy	16.5	
MAC 0227+2813B		Glxy	16	
MAC 0219+3437		Glxy	15.5	
MAC 0219+3433		Glxy	15.5	
MAC 0234+3254		Glxy	16.5	
MAC 0219+3424		Glxy	16	
MAC 0217+3220		Glxy	16.5	
MAC 0216+2837		Glxy	16.5	
MAC 0215+3041		Glxy	16	
MAC 0214+3051B		Glxy	15.5	
MAC 0214+3051A		Glxy	15.5	
MAC 0214+3047		Glxy	15.5	
MAC 0209+3044		Glxy	16	
NGC 931		Glxy SABc	13.6	UGC 1935 MCG 5-6-49 MK 1040 CGCG 504-89 IRAS 2252+3105 KUG 225+310 PGC 9399
NGC 925	H177-3	Glxy SAB(s)d	10.7	UGC 1913 MCG 5-6-45 CGCG 504-85 IRAS 2243+3321 KARA105 PGC 9332
NGC 890	H225-2	Glxy SAB(r)0-?	12.2	UGC 1823 MCG 5-6-30 CGCG 504-64 PGC 8997
NGC 865		Glxy S?	14.1	UGC 1747 MCG 5-6-20 CGCG 504-42 IRAS 2133+2822 PGC 8678

# Triangulum - The Triangle

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 861		Glxy Sb	14.6	UGC 1737 MCG 6-6-3 CGCG 523-5 IRAS 2128+3540 PGC 8652
NGC 860		Glxy E	15.1	CGCG 504-37 PGC 8606
NGC 855	H613-2	Glxy E	13.3	UGC 1718 MCG 5-6-16 CGCG 504-35 IRAS 2111+2738 KUG 211+276 PGC 8557
NGC 826		Glxy	15.4	CGCG 504-19 PGC 8230
NGC 819		Glxy S?	14.4	UGC 1632 CGCG 504-17 IRAS 2056+2859 PGC 8174
NGC 816		Glxy Compact	15.5	CGCG 504-16 PGC 8152
NGC 807	H151-3	Glxy E	13.5	UGC 1571 MCG 5-6-1 CGCG 504-6 CGCG 503-84 IRAS 2020+2844 PGC 7934
NGC 805		Glxy SB0	14.5	UGC 1566 MCG 5-5-50 CGCG 503-82 CGCG 504-4 PGC 7899
NGC 804		Glxy S0	14.7	IC 1773 PGC 7873 UGC 1557 MCG 5-5-49 CGCG 503-79 CGCG 504-1
NGC 798		Glxy E	14.5	UGC 1539 MCG 5-5-48 CGCG 503-78 PGC 7823
NGC 789		Glxy S?	14.4	UGC 1520 MCG 5-5-47 CGCG 503-77 ARAK72 IRAS 1595+3149 PGC 7760
NGC 785		Glxy S0-:	13.8	UGC 1509 MCG 5-5-46 CGCG 503-76 PGC 7694
NGC 784		Glxy SBdm: sp	12.2	UGC 1501 MCG 5-5-45 CGCG 503-74 IRAS 1584+2836 PGC 7671
NGC 783		Glxy Sc	12.8	IC 1765 PGC 7657 UGC 1497 MCG 5-5-42 MK 1171 CGCG 503-73 IRAS 1582+3138
NGC 780	H583-3	Glxy Sb	14.4	UGC 1488 MCG 5-5-41 CGCG 503-72 5ZW164 PGC 7616
NGC 778		Glxy S0:	14.2	UGC 1480 MCG 5-5-39 CGCG 503-69 PGC 7597
NGC 777	H223-2	Glxy E1	12.5	UGC 1476 MCG 5-5-38 CGCG 503-67 PGC 7584
NGC 769		Glxy S?	13.8	UGC 1467 MCG 5-5-37 CGCG 503-66 ARAK70 IRAS 1567+3040 PGC 7537
NGC 761		Glxy SBa:	14.4	UGC 1439 MCG 5-5-36 CGCG 503-64 VV 425 PGC 7395
NGC 751		Glxy E pec	13.6	UGC 1431 MCG 5-5-35 CGCG 503-62 6ZW123 VV 189 ARP 166 PGC 7370
NGC 750	H222-2	Glxy E pec	12.9	UGC 1430 MCG 5-5-34 CGCG 503-62 6ZW123 VV 189 ARP 166 PGC 7369
NGC 740	H221-2	Glxy SBb?	14.8	UGC 1421 MCG 5-5-31 CGCG 503-58 PGC 7316
NGC 739		Glxy S0?	14.9	MCG 5-5-30 CGCG 503-59 ARAK67 PGC 7312
NGC 738		Glxy S0	15.9	CGCG 503-57 6ZW113 PGC 7303
NGC 736	H221-2	Glxy E+:	12.1	UGC 1414 MCG 5-5-28 CGCG 503-55 6ZW111 PGC 7289
NGC 735	H176-3	Glxy Sb	14.1	UGC 1411 MCG 6-5-58 CGCG 522-78 5ZW146 PGC 7282
NGC 733		Glxy		PGC 7255
NGC 688		Glxy (R')SAB(rs)b	13.4	UGC 1302 MCG 6-5-15 MK 1009 CGCG 522-20 IRAS 1478+3502 KUG 147+350 PGC 6799
NGC 684	H612-2	Glxy Sb sp	13.3	IC 165 PGC 6759 UGC 1292 MCG 4-5-17 CGCG 482-22 IRAS 1474+2724
NGC 672	H157-1	Glxy SB(s)cd	11.5	UGC 1256 MCG 4-5-11 CGCG 482-16 VV 338 IRAS 1450+2710 PGC 6595
NGC 670	H611-2	Glxy SA0	13.6	UGC 1250 MCG 5-5-12 CGCG 503-24 IRAS 1446+2738 PGC 6570
NGC 669		Glxy Sab	13.4	UGC 1248 MCG 6-5-4 CGCG 522-4 IRAS 1443+3519 PGC 6560
NGC 666		Glxy S?	14.3	UGC 1236 MCG 6-5-2 CGCG 521-79 ARAK56 6ZW26 PGC 6483
NGC 661	H610-2	Glxy E+:	13.2	UGC 1215 MCG 5-5-5 CGCG 503-14 PGC 6376
NGC 634		Glxy Sa	13.9	UGC 1164 MCG 6-4-48 CGCG 521-60 IRAS 1354+3507 PGC 6059
NGC 621		Glxy SB0	13.7	UGC 1147 MCG 6-4-45 CGCG 521-55 4ZW54 PGC 5984
NGC 614	H174-3	Glxy S0?	13.7	NGC 627 PGC 5933 UGC 1140 MCG 5-4-75 CGCG 502-118
NGC 608		Glxy S?	14.2	NGC 618 PGC 5913 UGC 1135 MCG 5-4-73 CGCG 502-117
NGC 604	H150-3	Knt in Glxy		
NGC 598	H17-5	Glxy SA(s)cd	6.3	M 33 Triangulum Galaxy UGC 63 MCG 6-1-14 CGCG 517-18 CGCG 518-13 PGC 5818
NGC 595		Knt in Glxy		
NGC 592		Knt in Glxy		
NGC 588		Knt in Glxy		
NGC 587		Glxy SAB(s)b	13.6	IC 1713 UGC 1100 MCG 6-4-37 CGCG 521-45 IRAS 1296+3506 PGC 5746

# Triangulum - The Triangle

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 582		Glxy SB?	14.1	UGC 1094 MCG 5-4-65 CGCG 502-105 IRAS 1291+3313 PGC 5702
NGC 579		Glxy Scd:	13.9	UGC 1089 MCG 5-4-64 CGCG 502-103 IRAS 1289+3321 KUG 128+333 PGC 5691
MAC 0150+3310		Glxy	17	
MAC 0150+3309D		Glxy	16	
MAC 0150+3309C		Glxy	15	
MAC 0150+3309B		Glxy	15.5	
MAC 0150+3309A		Glxy	16	
MAC 0150+3307		Glxy	16	
MAC 0150+3304		Glxy	16	
MAC 0150+3302A		Glxy	16	
IC 1823		Glxy SB(r)c	14.2	UGC 2125 MCG 5-7-24 CGCG 505-27 IRAS 2356+3151 PGC 10013
IC 1815		Glxy SB0	13.9	UGC 2047 MCG 5-7-14 CGCG 505-13 PGC 9794
IC 1792		Glxy Compact	14.7	UGC 1781 MCG 6-6-15 CGCG 523-18 PGC 8839
IC 1785		Glxy E	15.7	MCG 5-6-21 CGCG 504-44 PGC 8682
IC 1766		Glxy SB	17.3	UGC 1509 MCG 5-5-43 CGCG 503-76 PGC 7655
IC 1752		Glxy C	16.3	MCG 5-5-32 6ZW118 PGC 7337
IC 1733		Glxy E:	14.1	UGC 1301 MCG 5-5-16 CGCG 503-32 6ZW58 PGC 6796
IC 1727		Glxy SB(s)m	12.1	UGC 1249 MCG 4-5-9 CGCG 482-14 VV 338 PGC 6574
NGC 940		Glxy S0:	13.4	UGC 1964 MCG 5-6-50 CGCG 504-95 ARAK85 IRAS 2264+3125 PGC 9478
NGC 969		Glxy S0	13.3	UGC 2039 MCG 5-7-8 CGCG 505-10 PGC 9781
NGC 971		Glxy		MCG -1-1-57 PGC 9787
NGC 974		Glxy SAB(rs)b:	13.5	UGC 2049 MCG 5-7-12 CGCG 505-15 IRAS 2314+3243 PGC 9802
NGC 1093		Glxy SABab?	14	UGC 2274 MCG 6-7-11 CGCG 524-22 IRAS 2452+3412 PGC 10606
NGC 1066	H163-3	Glxy E:	14.3	UGC 2203 MCG 5-7-42 CGCG 505-44 IRAS 2407+3217 PGC 10338
NGC 1062		Glxy Sd	15.4	8ZW13 PGC 10331
NGC 1061		Glxy I?	15	MCG 5-7-36 CGCG 505-39 KUG 240+322 PGC 10303
NGC 1060	H162-3	Glxy S0-:	11.8	UGC 2191 MCG 5-7-35 CGCG 505-38 PGC 10302
NGC 1057		Glxy S0	15.2	UGC 2184 MCG 5-7-33 CGCG 505-37 PGC 10287
NGC 1002		Glxy SB(r)b:	13.9	PGC 10034 UGC 2133 MCG 6-6-70 CGCG 523-79 IRAS 2358+3424
NGC 987	H161-3	Glxy SB0/a	13.4	UGC 2093 MCG 5-7-21 MK 1180 CGCG 505-23 IRAS 2338+3306 PGC 9911
NGC 978B		Glxy S0	15.5	MCG 5-7-17 PGC 9823
NGC 978		Glxy S0-	13.2	NGC 978A UGC 2057 MCG 5-7-16 CGCG 505-18 PGC 9821
NGC 1067		Glxy SAB(s)c	14.6	UGC 2204 MCG 5-7-43 CGCG 505-45 PGC 10339
NGC 973		Glxy Sb	13.6	UGC 2048 MCG 5-7-13 CGCG 505-14 IRAS 2313+3217 PGC 9795
NGC 970		Glxy S	15.7	MCG 5-7-9 CGCG 505-11 PGC 9786
NGC 968		Glxy E	13.2	UGC 2040 MCG 6-6-56 CGCG 523-61 PGC 9779
NGC 953		Glxy E	14.5	UGC 1991 MCG 5-7-1 CGCG 504-104 CGCG 505-1 PGC 9586
NGC 949	H154-1	Glxy SA(rs)b:?	12.4	UGC 1983 MCG 6-6-48 CGCG 523-53 IRAS 2277+3654 KARA109 KUG 227+369 PGC 9566
NGC 959		Glxy Sdm:	13	UGC 2002 MCG 6-6-51 CGCG 523-55 IRAS 2293+3516 PGC 9665
PGC 5714		Glxy C	15.7	MCG 5-4-66 CGCG 502-107 4ZW51 VV 301 ARP 98
PGC 5883		Glxy	15.5	CGCG 521-48
PGC 6073		Glxy	16.5	MK 1160
PGC 6138		Glxy S?	15.4	MCG 6-4-50 CGCG 521-63 KUG 136+349
PGC 6612		Glxy Double System	16.3	UGC 1258

# Triangulum - The Triangle

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 9820		Glxy S	15.8	CGCG 523-65 KUG 231+342
PGC 7125		Glxy Spiral	15.5	MCG 6-5-45 MK 1010 CGCG 522-60 ARAK62 IRAS 1520+3510 KUG 152+351
PGC 6870		Glxy S	15.1	MCG 5-5-21 CGCG 503-37
PGC 6856		Glxy E:	15	UGC 1318 MCG 5-5-20 CGCG 503-36
PGC 6850		Glxy C	15.9	6ZW68
PGC 6829		Glxy C	16.9	6ZW65
PGC 6780		Glxy Dwarf	15.4	UGC 1299 MCG 6-5-13 CGCG 522-18
PGC 6739		Glxy S	15.4	MCG 4-5-16
PGC 6700		Glxy C	15.9	CGCG 503-27 6ZW51
PGC 6699		Glxy Sdm	12.9	UGC 1281 MCG 5-5-14 CGCG 503-26
PGC 8608		Glxy C	16.2	5ZW204 KUG 212+305
PGC 7981		Glxy SB	16.5	MCG 5-6-3
PGC 7888		Glxy	15.2	MK 365 CGCG 503-80 CGCG 504-2 ANON 201+28
PGC 7706		Glxy S?	14.7	UGC 1510 MCG 4-5-38 CGCG 482-49 ARAK71 IRAS 1589+2618
PGC 7678		Glxy C	15	5ZW166
PGC 7666		Glxy Sab	16.3	UGC 1499
PGC 7293		Glxy	16.4	5ZW146
PGC 7167		Glxy S	15.5	KUG 152+349
PGC 7145		Glxy	15.6	CGCG 522-65
PGC 9789		Glxy	15.6	MCG 6-6-57 CGCG 523-62
PGC 9375		Glxy Scd:	15.2	UGC 1924 MCG 5-6-47 CGCG 504-86 KUG 224+315
PGC 9134		Glxy Sd	14.8	UGC 1856 MCG 5-6-38 CGCG 504-74 KUG 221+313
PGC 8857		Glxy C	15.9	6ZW201
PGC 8842		Glxy	16.6	5ZW215
PGC 8763		Glxy	16	KUG 214+320
PGC 8623		Glxy SB	15.7	UGC 1730 KUG 212+324
PGC 8613		Glxy C	15.7	5ZW204
PGC 8609		Glxy SAB(s)cd	15.1	UGC 1729 MCG 5-6-18 CGCG 504-38
PGC 6189		Glxy Scd:	14.7	UGC 1178 MCG 6-4-53 CGCG 521-66 IRAS 1375+3422
PGC 6077		Glxy S0	14.1	UGC 1166 MCG 6-4-49 CGCG 521-61
PGC 5899		Glxy	15.5	CGCG 502-114
PGC 5873		Glxy S	14.4	UGC 1125 MCG 6-4-39 CGCG 521-47 ARAK53 IRAS 1319+3346 KUG 131+337B
PGC 5715		Glxy S?	15	UGC 1095 MCG 5-4-67 CGCG 502-107 4ZW51 VV 301 ARP 98

**Sub Total: 182****Total: 205**

## Tucana - The Toucan Bird

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 5380		Glxy S	15.5	ESO 78-11 PGC 188
NGC 456		Nebula n		
IC 1664		Non-Existent		ESO 51-25 PGC 4419
NGC 440		Glxy SA(s)bc pec:	13.7	ESO 113-25 PGC 4361
IC 1660		Open Cl		
IC 1662		Open Cl		
NGC 434A		Glxy SB(s)0/a pec sp	15.7	ESO 113-24 PGC 4344
NGC 261		Nebula EN		
NGC 256		Open Cl 14.7	12.7	
NGC 249		Nebula E		
NGC 248		Nebula 14.8	13.6	
NGC 241		Open Cl OCL		
NGC 231		Open Cl 15.0	12	
NGC 222		Open Cl 15.3	11	
NGC 220		Open Cl 14.8	11	
NGC 176		Open Cl	12	
NGC 434		Glxy SAB(s)ab	12.8	ESO 113-23 PGC 4325
IC 1655		Open Cl		
NGC 432		Glxy S0-	13.9	ESO 113-22 PGC 4290
IC 1641		Open Cl		
IC 1644		Nebula		
NGC 416		Open Cl 15.3	12.6	
NGC 411		Open Cl		
NGC 406		Glxy SA(s)c:	13.1	ESO 51-18 IRAS 1057-7008 PGC 3980
IC 1626		Open Cl		
IC 1624		Open Cl 15.7	12.9	
NGC 395		Open Cl		
NGC 376		Open Cl 12.8	10.9	
NGC 371		Open Cl n		
NGC 362		Globular	6.8	
IC 5165		Glxy SAB(rs)ab:	14.8	ESO 108-15 PGC 68196
NGC 422		Open Cl	13.4	
NGC 242		Open Cl 2 cluster	12	
NGC 484		Glxy SA0-	12.1	ESO 113-36 PGC 4764
NGC 466		Glxy SA(rs)0+:	13.6	ESO 113-34 PGC 4632
NGC 465		Open Cl	11.5	
NGC 458		Open Cl		
NGC 460		Open Cl	12.5	
NGC 419		Open Cl 15.4	11.2	
IC 5213		Glxy S	15.8	ESO 146-23 PGC 68809
IC 5208		Glxy S0+: sp	14.8	ESO 108-29 PGC 68788
IC 5206		Glxy SB(rs)bc	15.2	ESO 108-28 PGC 68762
IC 5207		Glxy SAB(s)cd	15.1	ESO 146-22 PGC 68738
IC 5202		Glxy SB(rs)c	14.6	ESO 108-27 PGC 68707
IC 5205		Glxy	16	ESO 146-21 PGC 68700

## Tucana - The Toucan Bird

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC	5203	Glxy SB(s)c pec	14.7	ESO 146-20 IRAS 22192-6001 PGC 68684
IC	5200	Glxy S	16	ESO 108-26 PGC 68660
IC	5196	Glxy S	15.4	ESO 108-25 IRAS 22165-6539 PGC 68591
IC	5245	Glxy L	15.1	ESO 109-16 PGC 69645
IC	5244	Glxy Sb sp	13.7	ESO 109-15 PGC 69620
IC	5236	Glxy L	15.4	ESO 109-14 PGC 69503
IC	5238	Glxy S	15.8	ESO 147-4 PGC 69501
IC	5235	Glxy L	15.6	ESO 109-13 PGC 69497
NGC	7329	Glxy SB(r)b	12.1	ESO 109-12 IRAS 22369-6644 PGC 69453
IC	5234	Glxy L	15.3	ESO 109-11 PGC 69446
IC	5230	Glxy S	15.1	ESO 147-2 IRAS 22323-6148 PGC 69249
IC	5229	Glxy S	15.1	ESO 147-1 PGC 69217
NGC	7657	Glxy SB(s)dm pec:	14.7	ESO 148-12 PGC 71456
NGC	7652	Glxy (R')SA(r)a pec	14.5	ESO 148-11 PGC 71402
NGC	7650	Glxy SB(s)cd pec:	13.1	ESO 148-10 IRAS 23225-5803 PGC 71394
NGC	7622	Glxy SB0-?	14.4	ESO 148-8 PGC 71187
IC	5302	Glxy SB0^?	15	ESO 110-9 PGC 71082
IC	5280	Glxy (R')SA(r)ab:	15	ESO 109-33 PGC 70372
IC	5277	Glxy	15.3	ESO 109-31 PGC 70294
IC	5272	Glxy I?	14.8	ESO 109-30 FAIR200 PGC 70188
IC	5266	Glxy Sb: sp	14.6	ESO 109-29 IRAS 22552-6523 PGC 70142
NGC	7734	Glxy (R')SB(r)b pec:	13.9	ESO 110-23 ESO 78-2 IRAS 23398-6613 PGC 72183
NGC	7733	Glxy (R')SB(rs)b pec	14.3	ESO 110-22 ESO 78-1 PGC 72177
IC	5339	Glxy SA0- pec:	14.6	ESO 77-26 PGC 71965
IC	5335	Glxy S0^: pec	15.1	ESO 77-25 IRAS 23329-6740 PGC 71846
NGC	7697	Glxy Sb pec sp	14.3	IC 5333 PGC 71812 ESO 110-14
IC	5333	Non-Existent		ESO 110-12 IRAS 23320-6540 PGC 71800
NGC	7676	Glxy SA0-: pec	12.5	ESO 148-16 PGC 71564
IC	5322	Glxy L	15.1	ESO 77-22 IRAS 23255-6802 PGC 71536
IC	5320	Glxy L	15.2	ESO 77-21 PGC 71530
IC	5324	Glxy SA0-:	14.1	ESO 77-20 PGC 71526
IC	5323	Glxy SB(rs)0/a	14	ESO 77-19 PGC 71489
NGC	7661	Glxy SB(s)cd	14.1	ESO 110-11 PGC 71473
NGC	7417	Glxy (R')SB(r)ab	13.2	ESO 109-28 PGC 70113
NGC	7408	Glxy SB(s)cd:	13.3	ESO 109-26 IRAS 22527-6357 PGC 70037
IC	5250B	Glxy S0 pec?	12.2	
IC	5250A	Glxy S0 pec?	12.2	ESO 109-22A PGC 69714
IC	5249	Glxy SBd sp	14.3	ESO 109-21 PGC 69707
IC	5247	Glxy S	15	ESO 109-20 PGC 69700
IC	5246	Glxy S	14.7	ESO 109-19 PGC 69696
NGC	7358	Glxy SA0^	13.8	ESO 109-18 PGC 69664
IC	5227	Glxy (R)SB(rs)ab	13.9	ESO 109-8 IRAS 22306-6457 PGC 69170
IC	5222	Glxy (R)SB(s)bc?	13.5	ESO 109-6 FAIR193 IRAS 22263-6555 PGC 68993
IC	5221	Glxy	15.9	ESO 109-5 PGC 68967
IC	5219	Glxy S	15.9	ESO 109-4 PGC 68955

## Tucana - The Toucan Bird

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 7278		Glxy SB(rs)c pec?	15.1	ESO 146-27 PGC 68940
IC 5218		Glxy (R')SB(r)bc pec	15.1	ESO 146-26 IRAS 22248-6038 PGC 68927
IC 5220		Glxy Sc	15.1	ESO 146-25 PGC 68925
IC 5215		Glxy S	15.7	ESO 109-3 PGC 68888
IC 5197		Glxy SB(s)b?	15	ESO 146-19 PGC 68584
IC 5190		Glxy SB(s)bc pec	14.8	ESO 146-18 PGC 68556
IC 5188		Glxy SAB(s)c:	13.8	ESO 146-17 PGC 68539
IC 5187		Glxy S	14.7	ESO 146-16 PGC 68536
IC 5185		Glxy S	14.9	ESO 108-24 IRAS 22140-6606 PGC 68513
IC 5182		Glxy S	15.3	ESO 108-22 PGC 68452
IC 5176		Glxy SAB(s)bc? sp	13.5	ESO 108-20 IRAS 22112-6705 PGC 68389
NGC 7219		Glxy (R)SA(r)0/a pec	13.3	ESO 108-19 FAIR1002 IRAS 22094-6505 PGC 68312
NGC 360		Glxy Sbc sp	13.4	ESO 79-14 PGC 3743
NGC 361		Open Cl		
IC 1612		Open Cl 14.4	12.5	
IC 1611		Open Cl 14.7	12	
NGC 346		Open Cl n	10.3	
NGC 339		Open Cl		
NGC 330		Open Cl 12.6	9.6	
NGC 306		Open Cl		
IC 1597		Glxy (R')SB(rs)b pec	15	ESO 112-10 PGC 3144
NGC 299		Open Cl		
NGC 294		Open Cl 16.1	12.7	
NGC 292		Glxy SB(s)m pec	2.7	SMCESO 29-21 ANON 51-73 PGC 3085
NGC 290		Open Cl 13.8	12	
NGC 269		Open Cl 15.2	13.3	
NGC 267		Open Cl		
NGC 265		Open Cl 15.0	12.2	
NGC 121		Globular		
NGC 104		Globular	4	47 Tucanae
NGC 53		Glxy (R')SB(r)b	13.3	ESO 111-20 FAIR3 PGC 982
NGC 152		Open Cl		
IC 1532		Glxy Sb sp	14.8	ESO 78-17 PGC 695
NGC 7823		Glxy SB(s)bc?	13.4	ESO 111-12 IRAS 22-6220 PGC 328
IC 5382		Glxy S	15.3	ESO 78-13 PGC 236

**Sub Total: 125****Total: 125**

## Ursa Major - The Great Bear

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 2519		Non-Existent		STAR KAZ365 PGC 22800
NGC 3231		Open Cl 10.0 cluster?		
IC 604		Non-Existent		
NGC 3191		Glxy SB(s)bc pec	14.1	NGC 3192 PGC 30136 UGC 5565 MCG 8-19-18 CGCG 240-26 IRAS 10160+4642 KUG 1016+467
NGC 3192	H704-3	Non-Existent		NGC 3191 PGC 30128 MCG 8-19-17
NGC 3180		Knt in Glxy SAB(rs)cd	10.4	NGC 3184 PGC 30087 UGC 5557 MCG 7-21-37 CGCG 211-38 KUG 1015+416
NGC 3181		Knt in Glxy		
NGC 3179		Glxy S0	14.1	UGC 5555 MCG 7-21-36 CGCG 211-37 PGC 30078
NGC 3170		Non-Existent		
IC 598		Glxy S0/a	13.9	UGC 5502 MCG 7-21-16 CGCG 211-17 PGC 29745
NGC 3135		Glxy S?	14.4	UGC 5486 MCG 8-19-7 CGCG 240-15 PGC 29646
NGC 2959A		Non-Existent		
NGC 4154	H845-3	Non-Existent		
IC 3001		Glxy S	15.7	MCG 6-27-7 CGCG 187-6 PGC 38379
NGC 4097	H400-3	Glxy S0	14.4	UGC 7092 MCG 6-27-4 CGCG 187-4 PGC 38363
IC 2999		Glxy S	15.6	CGCG 158-17 KUG 1203+316 PGC 38352
IC 2993		Non-Existent		
IC 2992		Non-Existent		
IC 2987		Glxy S?	15.4	MK 44 CGCG 215-18 KUG 1200+390 PGC 38088
IC 757		Non-Existent		
NGC 4031		Glxy S?	15.3	MCG 5-28-75 CGCG 157-82 ARAK341 PGC 37855
IC 2986		Glxy S0?	14.8	MCG 5-28-72 CGCG 157-79 PGC 37795
IC 752		Glxy S	15.2	CGCG 215-14 KUG 1156+428B PGC 37747
IC 2985		Glxy SB?	15.1	UGC 6981 MCG 5-28-69 CGCG 157-74 KUG 1156+310 PGC 37744
NGC 4025	H617-3	Glxy SB(s)cd	14	UGC 6982 MCG 6-26-64 DDO107 CGCG 186-80 KUG 1156+380 PGC 37738
IC 2984		Glxy S	15.6	MCG 5-28-68 CGCG 157-73 KUG 1156+309 PGC 37734
NGC 4020	H725-2	Glxy SBd? sp	13.3	UGC 6971 MCG 5-28-66 CGCG 157-72 IRAS 11563+3041 PGC 37723
IC 751		Glxy Sb? sp	15.1	UGC 6972 MCG 7-25-11 CGCG 215-11 KUG 1156+428A PGC 37721
IC 750		Glxy Sab: sp	12.9	UGC 6973 MCG 7-25-10 CGCG 215-12 PGC 37719
NGC 4010		Glxy SB(s)d: sp	13.2	UGC 6964 MCG 8-22-49 CGCG 243-34 PGC 37697
IC 749		Glxy SAB(rs)cd	12.9	UGC 6962 MCG 7-25-8 CGCG 215-9 PGC 37692
NGC 4001		Glxy E4; Dwarf?	15.6	MCG 8-22-47 CGCG 243-33 PGC 37656
NGC 3984		Non-Existent		NGC 3971 PGC 37632 UGC 6943 MCG 5-28-58 CGCG 157-64
IC 2981		Non-Existent		
NGC 3985	H707-3	Glxy SB(s)m:	13.1	UGC 6921 MCG 8-22-45 CGCG 243-31 ARAK334 IRAS 11541+4836 PGC 37542
NGC 3980		Non-Existent		NGC 3977 PGC 37497 UGC 6909 MCG 9-20-34 CGCG 269-17
NGC 3966		Glxy Compact	15.5	PGC 37462 MCG 5-28-48 CGCG 157-56 KUG 1153+324
NGC 3971	H724-2	Glxy S0	13.7	NGC 3984 PGC 37443 UGC 6899 MCG 5-28-47 CGCG 157-54
IC 2973		Glxy SB(s)d:	14.3	UGC 6872 MCG 6-26-52 CGCG 186-66 KUG 1151+336 PGC 37308
NGC 3950		Glxy E0;		MCG 8-22-30 PGC 37294
IC 2971		Glxy	15.7	CGCG 157-49 PGC 37275
NGC 3932		Glxy Sbc	15	MCG 8-22-23 CGCG 243-22 PGC 37194
NGC 3935		Glxy S?	14.2	UGC 6843 MCG 6-26-49 CGCG 186-61 KUG 1149+326 PGC 37183
NGC 3930A		Glxy S?	15.7	
NGC 3928	H740-2	Glxy SA(s)b?	13.2	UGC 6834 MCG 8-22-19 MK 190 CGCG 243-19 IRAS 11491+4857 PGC 37136

## Ursa Major - The Great Bear

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 3930	H616-3	Glxy SAB(s)c	13.1	UGC 6833 MCG 6-26-45 CGCG 186-59 KUG 1149+382 PGC 37132
NGC 3917A		Non-Existent		
IC 2967		Glxy E?	14.7	MCG 5-28-38 CGCG 157-42 PGC 37042
IC 740		Non-Existent		UGC 6813 MCG 9-20-1 CGCG 268-92 CGCG 269-4 IRAS 11480+5537 KUG 1148+556 PGC 37024
NGC 3906	H715-3	Glxy SB(s)d	13.5	UGC 6797 MCG 8-22-12 CGCG 243-11 IRAS 11469+4842 PGC 36953
NGC 3897	H408-2	Glxy Sbc	13.6	UGC 6784 MCG 6-26-41 CGCG 186-54 PGC 36902
NGC 3896	H739-2	Glxy SB0/a: pec	13.9	UGC 6781 MCG 8-22-8 CGCG 243-9 PGC 36897
NGC 3891	H723-2	Glxy Sbc	13.2	UGC 6772 MCG 5-28-31 CGCG 157-35 PGC 36832
IC 2961		Glxy SBab:	15.4	MK 748 CGCG 157-34 PGC 36812
NGC 3835A		Glxy Sb	13.1	
NGC 3881		Glxy S0/a	15.3	MCG 6-26-34 CGCG 186-46 PGC 36722
NGC 3880		Glxy S0?	14.8	MCG 6-26-33 CGCG 186-43 PGC 36712
IC 2960		Non-Existent		
NGC 3878		Glxy E	14.8	MCG 6-26-32 CGCG 186-42 PGC 36708
NGC 3871		Glxy S	15.5	IC 2959 PGC 36702 UGC 6744 MCG 6-26-31 CGCG 186-41
IC 2959		Non-Existent		NGC 3871 UGC 6744 MCG 6-26-31 CGCG 186-41 PGC 36702
IC 2958		Glxy SB	17.2	MCG 6-26-30 PGC 36665
IC 2957		Non-Existent		
IC 729		Glxy	15.5	CGCG 186-37 PGC 36627
IC 731		Glxy	15.7	MCG 8-21-96 CGCG 242-79 CGCG 243-3 PGC 36626
NGC 3855		Glxy (R')SB(r)b	14.8	
IC 2953		Non-Existent		NGC 3855 UGC 6709 MCG 6-26-25 CGCG 186-33 PGC 36530
IC 2952		Glxy	15.7	MCG 6-26-24 CGCG 186-31 ARAK315 KUG 1141+336 PGC 36508
NGC 3856		Non-Existent		NGC 3847 PGC 36569 MCG 6-26-28 CGCG 186-36
NGC 3847		Glxy E	14.3	NGC 3856 PGC 36504 UGC 6708 MCG 6-26-23 CGCG 186-32
IC 726		Glxy		
IC 2950		Glxy Sc	14.9	MK 638 CGCG 186-26 KUG 1138+382 PGC 36287
NGC 3811	H737-2	Glxy SB(r)cd:	12.9	UGC 6650 MCG 8-21-91 MK 185 CGCG 242-74 IRAS 11386+4758 PGC 36265
NGC 3794	H773-3	Glxy SAB(s)d	13.5	NGC 3804 UGC 6640 MCG 9-19-153 CGCG 292-19 CGCG 268-70 IRAS 11381+5628 PGC 36238
NGC 3797		Non-Existent		
NGC 3795A		Glxy Scd	13.5	
NGC 3795B		Glxy E-S0	13.2	
IC 2947		Glxy S?	14.9	MCG 5-28-2 CGCG 156-102 CGCG 157-3 PGC 35981
IC 2946		Glxy	15.2	CGCG 186-13 PGC 35984
NGC 3755		Glxy SAB(rs)c pec	13.5	UGC 6577 MCG 6-26-8 CGCG 186-12 PGC 35913
NGC 3741		Glxy Im	14.3	UGC 6572 MCG 8-21-68 CGCG 242-57 PGC 35878
NGC 3737A		Glxy S0	14.8	
IC 2933		Glxy Sab	15.1	UGC 6550 MCG 6-26-4 CGCG 185-89 CGCG 186-7 PGC 35732
IC 2928		Glxy Sbc	14.5	UGC 6540 MCG 6-25-86 CGCG 185-87 CGCG 186-5 PGC 35687
IC 2925		Glxy	15.8	CGCG 185-82 CGCG 186-1 PGC 35667
NGC 3714	H353-3	Glxy I?	15.1	UGC 6516 MCG 5-27-85 CGCG 156-95 ARAK297 KUG 1129+286 PGC 35556
NGC 3700		Glxy (R')SB(r)ab	14.9	UGC 6494 MCG 6-25-79 CGCG 185-73 PGC 35413
NGC 3695		Glxy S	14.8	NGC 3698 PGC 35389 UGC 6490 MCG 6-25-78 CGCG 185-71
NGC 3698		Non-Existent		

## Ursa Major - The Great Bear

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 2861		Glxy E/S0	15.5	MCG 7-24-11 CGCG 214-9 PGC 35357
NGC 3694		Glxy S?	13.9	UGC 6480 MCG 6-25-76 CGCG 185-70 ARAK296 IRAS 11262+3541 PGC 35352
NGC 3690B		Glxy Sb/P	10.9	
NGC 3690A		Glxy Sb/P	11.2	
NGC 3677		Glxy (R')SA(r)0/a:	13.3	UGC 6441 MCG 8-21-35 CGCG 242-35 IRAS 11235+4714 PGC 35181
IC 687		Glxy Sb	14.9	MCG 8-21-32 CGCG 242-33 PGC 35029
NGC 3658	H59-4	Glxy SA(r)0^:	13.1	UGC 6409 MCG 7-24-2 CGCG 214-3 PGC 35003
NGC 3648		Glxy S0	13.6	UGC 6389 MCG 7-23-43 CGCG 213-43 CGCG 214-2 PGC 34908
NGC 3614A		Glxy SB(s)m	12.7	MCG 8-21-14 PGC 34562
NGC 3600	H709-2	Glxy Sa?	12.6	UGC 6283 MCG 7-23-38 MK 1443 CGCG 213-38 IRAS 11130+4152 KUG 1113+418 PGC 34353
NGC 3595	H706-3	Glxy E?	13.1	UGC 6280 MCG 8-21-9 CGCG 242-14 PGC 34325
NGC 3577	H723-3	Glxy SB(r)a	14.3	UGC 6257 MCG 8-21-6 CGCG 242-10 PGC 34195
NGC 3569		Glxy SA0^	14.3	UGC 6238 MCG 6-25-20 CGCG 185-18 PGC 34075
NGC 3561		Non-Existent SB0-a	13.8	NGC 3561B UGC 6224 MCG 5-27-10 CGCG 156-11 CGCG 155-90 VV 237 ARP 105 PGC 33991
IC 674		Glxy Sab	14.3	UGC 6221 MCG 7-23-27 CGCG 213-31 PGC 33982
NGC 3548		Non-Existent		
NGC 3545B		Glxy E	14.8	MCG 6-25-17 CGCG 185-15 VV 182 PGC 33893
NGC 3545		Non-Existent		NGC 3545A
NGC 3545A		Glxy E	14.8	MCG 6-25-16 CGCG 185-15 VV 182 PGC 33894
NGC 3542		Glxy S?	15.1	MCG 6-25-13 CGCG 185-13 IRAS 11071+3712 PGC 33868
NGC 3540		Glxy SB0	14.3	NGC 3548 PGC 33806 UGC 6196 MCG 6-25-11 CGCG 185-11 KARA467
NGC 3539		Glxy S?	15.5	MCG 5-26-65 CGCG 155-77 PGC 33799
NGC 3536		Glxy SB?	14.7	UGC 6191 MCG 5-26-61 CGCG 155-73 PGC 33779
NGC 3527	H350-3	Glxy (R)SB(r)ab:	14.6	UGC 6170 MCG 5-26-59 CGCG 155-66 PGC 33669
IC 2620		Glxy S?	15.1	MCG 7-23-14 CGCG 213-20 PGC 33332
IC 2619		Glxy	15.7	CGCG 184-45 PGC 33297
IC 2617		Glxy S	15	MCG 7-23-11 CGCG 213-19 PGC 33292
IC 2616		Glxy	15.8	MCG 7-23-12 CGCG 213-18 PGC 33291
IC 2615		Glxy	15.5	CGCG 184-44 PGC 33289
IC 2614		Non-Existent		
NGC 3468	H632-3	Glxy S0	14	UGC 6048 MCG 7-23-6 CGCG 213-10 PGC 32940
NGC 3416		Glxy S?	15.4	MCG 7-22-73 CGCG 213-2 CGCG 212-63 ARAK260 KUG 1048+440 PGC 32588
IC 646		Glxy Sa?	15.3	MCG 9-18-39 CGCG 267-19 PGC 32568
NGC 3374	H701-3	Glxy SBc	14.4	UGC 5901 MCG 7-22-66 CGCG 212-57 IRAS 10451+4327 PGC 32266
NGC 3284	H912-3	Non-Existent		
NGC 2909		Non-Existent		
NGC 2810A		Non-Existent		
NGC 2810B		Glxy S	16.2	
NGC 2820A		Non-Existent		IC 2458 PGC 26485 MCG 11-12-5 UGC A159 MK 108 CGCG 312-4 7ZW276
NGC 2816		Non-Existent		
NGC 2689		Glxy		PGC 25042
NGC 2688		Glxy S	16.9	MCG 8-16-40 PGC 25048
NGC 2687		Non-Existent		NGC 2678A
NGC 3111		Glxy S0-:	14	UGC 5441 MCG 8-19-2 CGCG 240-7 PGC 29338

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Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 3097		Non-Existent		
NGC 3063	H909-2	Non-Existent		
NGC 3010C		Glxy S	15	
NGC 3010A		Glxy S	14.6	
NGC 3010B		Glxy S	14.5	
NGC 3004		Non-Existent		
NGC 3002		Non-Existent		STAR MCG 0-3-14 PGC 28208
NGC 3000		Non-Existent		
NGC 6298		Glxy S0	14.6	PGC 59589
NGC 5502		Non-Existent		
NGC 5458		Knt in Glxy		
NGC 5455		Knt in Glxy GxyP		
NGC 5453		Knt in Glxy		
NGC 5450		Knt in Glxy		
NGC 5449		Knt in Glxy		
NGC 5425		Glxy Sd	14.2	UGC 8933 MCG 8-26-1 CGCG 247-2 IRAS 13588+4841 PGC 49889
IC 938		Glxy		
IC 937		Glxy		
IC 936		Non-Existent		IC 936
IC 935		Non-Existent		(STAR)
IC 934		Glxy		IC 934
IC 931		Glxy E	15.7	
IC 932		Glxy		
IC 930		Glxy		
IC 928		Glxy E	15	
IC 929		Glxy		
IC 926		Glxy		
IC 925		Glxy		
IC 923		Glxy		
IC 921		Glxy		
IC 919		Glxy		
IC 918		Non-Existent		(STAR)
IC 917		Non-Existent		
NGC 5256	H673-3	Glxy Pec	14	UGC 8632 MCG 8-25-31 MK 266 CGCG 246-21 1ZW67 IRAS 13362+4831 PGC 48192
IC 902		Glxy Sb	14.5	UGC 8593 MCG 8-25-24 CGCG 246-17 IRAS 13340+5012 PGC 47985
NGC 5216A		Glxy S	13.3	
IC 4205		Non-Existent		
IC 847		Non-Existent		NGC 4973 MCG 9-22-9 CGCG 270-49 CGCG 271-5 PGC 45280
IC 3791		Non-Existent		
NGC 4644B		Glxy Sc	15.1	
NGC 4644A		Non-Existent		
IC 3180		Non-Existent		
IC 3166		Non-Existent		
IC 778		Non-Existent		
NGC 2686		Non-Existent		

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Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 2676		Glxy S0:	14.1	UGC 4627 MCG 8-16-32 CGCG 237-22 PGC 24881
NGC 2666		Non-Existent		
NGC 2631		Non-Existent		NGC 2630 PGC 24614 UGC 4547 MCG 12-9-9 CGCG 331-61 CGCG 332-8
NGC 2605		Non-Existent		
<b>Sub Total: 182</b>				

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 522		Glxy S0	14	UGC 4654 MCG 10-13-31 CGCG 288-10 PGC 25009
IC 709		Glxy E?	14.9	MCG 8-21-57 CGCG 242-49 PGC 35736
IC 712		Glxy S?	14.7	MCG 8-21-63 CGCG 242-54 PGC 35785
IC 951		Glxy Sd	14.2	UGC 8775 MCG 9-23-12 CGCG 272-11 PGC 49215
IC 942		Glxy E/S0	15.3	MCG 10-20-31 CGCG 295-13 PGC 48903
IC 922		Glxy		
IC 907		Glxy SB?b	15.3	UGC 8643 MCG 9-22-90 CGCG 271-55 PGC 48286
IC 875		Glxy S0	13.8	UGC 8355 MCG 10-19-59 MK 249 CGCG 294-30 PGC 46263
IC 853		Glxy (R')SAB(s)ab	14.5	UGC 8230 MCG 9-22-19 CGCG 271-18 PGC 45560
IC 852		Glxy S0-:	14.6	UGC 8213 MCG 10-19-35 CGCG 294-18 PGC 45472
IC 830		Glxy S?	14.5	UGC 8003 MCG 9-21-55 CGCG 270-28 PGC 43533
IC 758		Glxy SB(rs)cd:	14	UGC 7056 MCG 11-15-14 CGCG 315-9 PGC 38173
IC 996		Glxy Sbc	14.8	UGC 9152 MCG 10-20-92 CGCG 295-43 IRAS 14157+5751 KUG 1415+578 PGC 51036
IC 995		Glxy Sdm:	14.7	UGC 9145 MCG 10-20-91 CGCG 295-42 PGC 50990
IC 711		Glxy E?	15.1	MCG 8-21-62 CGCG 242-53 PGC 35780
IC 708		Glxy E	14	UGC 6549 MCG 8-21-56 CGCG 242-48 PGC 35720
IC 644		Glxy S	14.6	UGC 5954 MCG 9-18-38 CGCG 267-18 PGC 32564
IC 691		Glxy I?	14.5	UGC 6447 MCG 10-16-139 MK 169 CGCG 291-70 IRAS 11238+5925 PGC 35206
IC 705		Glxy C	14.8	MCG 8-21-49 CGCG 268-50 PGC 35644
IC 694		Glxy SBm? pec	12.1	UGC 6471 MCG 10-17-2 MK 171 CGCG 291-73 VV 118 ARP 299 PGC 35326
PAL 4		Globular	14.2	Palomar 4
PGC 25130		Glxy S?	13.6	UGC 4671 MCG 9-15-53 CGCG 264-33 IRAS 8531+5217
PGC 25290		Glxy Sb	13.6	UGC 4713 MCG 9-15-70 CGCG 264-47 IRAS 8567+5241
PGC 28764		Glxy S?	14.6	UGC 5345 MCG 8-18-47 CGCG 239-45 IRAS 9544+4528 Hickson 41A
PGC 28757		Glxy Im	14	HolmbergIX UGC 5336 MCG 12-10-12 DDO66 ANON 953+69
PGC 28753		Glxy S?	16.5	MCG 8-18-46 Hickson 41C
PGC 28751		Glxy S	15.8	MCG 8-18-45
PGC 28340		Glxy Compact	15.5	UGC 5273 MCG 7-20-67 MK 1237 CGCG 239-35
PGC 28330		Glxy	14.9	UGC 5273 MCG 7-20-66 CGCG 239-35
PGC 28239		Glxy Spiral	15.3	MCG 7-20-57 CGCG 210-38
PGC 28045		Glxy S?	14.7	UGC 5225 MCG 8-18-30 CGCG 239-26 1ZW21 ANON 943+46
PGC 27788		Glxy S?	15.1	UGC 5179 MCG 10-14-33 MK 1423 CGCG 289-17
PGC 30137		Glxy S	17.6	Hickson 45B
PGC 30122		Glxy	14.8	MCG 10-15-59
PGC 30027		Glxy E:	14.6	UGC 5542 MCG 10-15-54 CGCG 290-25
PGC 29962		Glxy S?	14.8	MCG 7-21-34 MK 139 CGCG 211-34 ANON 1012+44 KUG 1012+440

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Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 29955		Glxy SB	15.4	UGC 5531 MCG 7-21-33 CGCG 211-33 IRAS 10126+4414
PGC 29612		Glxy	15.8	CGCG 290-11
PGC 29595		Glxy Sdm:	15.4	UGC 5480 MCG 10-15-22 CGCG 290-10
PGC 29550		Glxy SB(s)c	15.1	UGC 5475 MCG 10-15-19 CGCG 290-9
PGC 29472		Glxy SB(s)c? sp	13.2	UGC 5459 MCG 9-17-27 CGCG 266-24 IRAS 10049+5319 ANON 1004+53
PGC 32740		Glxy Im	15.2	UGC 6016 MCG 9-18-52 ARP 205
PGC 32587		Glxy	15.2	MCG 9-18-41
PGC 32405		Glxy Im:	15.1	UGC 5918 MCG 11-13-39 DDO87 7ZW347 ANON 1046+65
PGC 32218		Glxy I	15.8	MCG 12-10-80
PGC 31965		Glxy S0/a	14.8	UGC 5839 MCG 7-22-49 CGCG 212-43
PGC 31959		Glxy SBb	14.1	UGC 5838 MCG 7-22-48 CGCG 212-42 IRAS 10405+4102
PGC 31720		Glxy S?	14.8	UGC 5798 MCG 8-20-11 CGCG 241-6
PGC 31697		Glxy S?	14.5	UGC 5791 MCG 8-20-4 CGCG 241-4
PGC 31192		Glxy Sbc	14.9	UGC 5727 MCG 11-13-32 CGCG 313-23
WINN 4		Unknown STAR	10.3	M 40 WINNECKE 4 KUG 2357+228
PGC 37090		Glxy L	15.4	MCG 6-26-43 CGCG 186-56 ARAK329
PGC 37013		Glxy S	14.2	MCG 9-19-213
PGC 36973		Glxy Scd:	15.9	UGC 6802 MCG 9-19-209 ANON 1147+52
PGC 36785		Glxy	15	MCG 9-19-183
PGC 36585		Glxy S	15.3	MCG 10-17-58 CGCG 292-24
PGC 36463		Glxy SB?	15.2	MCG 9-19-165 MK 1452 CGCG 268-75 VV 320 KUG 1141+553A
PGC 36343		Glxy Scd:	14.2	UGC 6667 MCG 9-19-157 CGCG 268-71
PGC 36305		Glxy S	15.1	UGC 6658 MCG 5-28-16 CGCG 157-16
PGC 36137		Glxy SA(s)d:	13.7	UGC 6616 MCG 10-17-35 CGCG 292-15
PGC 36037		Glxy E?	13.9	UGC 6604 MCG 10-17-29 CGCG 292-13
PGC 35872		Glxy S	15.5	MCG 9-19-131 CGCG 268-61
PGC 35849		Glxy		
PGC 35846		Glxy E		MCG 8-21-66
PGC 35845		Glxy S	15.7	MCG 8-21-65
PGC 35831		Glxy S	15.8	MCG 8-21-64
PGC 35811		Glxy E/S0	15.4	MCG 9-19-126 CGCG 268-57
PGC 35799		Glxy Sc	14.9	MCG 9-19-125 CGCG 268-54
PGC 35774		Glxy		MCG 8-21-60
PGC 35762		Glxy S	16	MCG 8-21-59
PGC 35702		Glxy S	15	MCG 8-21-54
PGC 35675		Glxy Sd	13.4	UGC 6534 MCG 11-14-30 CGCG 314-32 IRAS 11304+6333 ANON 1130+63
PGC 35631		Glxy S?	16.2	MCG 9-19-113 CGCG 268-49 ANON 1129+53E ARP 322 Hickson 56A
PGC 35626		Glxy SA(rs)c	14.1	UGC 6528 MCG 10-17-13 CGCG 292-3 CGCG 291-77
PGC 35620		Glxy Sa pec sp	16.2	UGC 6527 MCG 9-19-111 MK 176 CGCG 268-49 1ZW27 VV 150 ARP 322 KUG 1129+532 Hickson 56B
PGC 35618		Glxy (R')S0/a pec:	15.8	Hickson 56C ARP 322
PGC 35615		Glxy SA(s)0/a pec:	16.8	Hickson 56D ARP 322
PGC 35609		Glxy SB0 pec:	16.4	Hickson 56E ARP 322
PGC 35345		Glxy B	15.7	MCG 10-17-5 VV 118 ARP 296
PGC 35325		Glxy		MCG 10-17-2A VV 118 ARP 299
PGC 35129		Glxy S0 pec	16.6	MCG 9-19-73 MK 40 1ZW26 VV 144 ARP 151 ANON 1122+54

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Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 35104		Glxy SBb	15.4	MCG 10-16-134 CGCG 291-66
PGC 35055		Glxy S	15.6	UGC 6422 MCG 9-19-70
PGC 34985		Glxy		MCG 9-19-64 VV 22 ARP 155
PGC 34975		Glxy Sb-c	15.7	UGC 6400 MCG 9-19-62
PGC 34962		Glxy S	15.6	MCG 9-19-59
PGC 34944		Glxy	15.2	MCG 9-19-56
PGC 34933		Glxy SBa	14.8	UGC 6393 MCG 6-25-56 CGCG 185-50
PGC 34895		Glxy	14.4	MCG 9-19-52
PGC 34869		Glxy Sd	14.7	UGC 6378 MCG 12-11-20 CGCG 334-28 ANON 1119+69
PGC 34812		Glxy S0/a	15.1	MCG 6-25-51 CGCG 185-44
PGC 34803		Glxy	15.7	CGCG 185-43
PGC 34768		Glxy SB(s)ab	14.6	UGC 6367 MCG 5-27-60 CGCG 156-66 IRAS 11183+3131
PGC 34733		Glxy Sd	14.6	UGC 6355 MCG 5-27-59 CGCG 156-65 KUG 1118+314
PGC 34704		Glxy Dwarf Spiral	14.5	UGC 6344
PGC 34702		Glxy Sab	15.1	UGC 6347 MCG 6-25-45 CGCG 185-39
PGC 34398		Glxy	15.2	MCG 5-27-40 CGCG 156-46
PGC 34397		Glxy	15.5	MCG 5-27-41 CGCG 156-46
PGC 34396		Glxy S	17.1	MCG 5-27-39 CGCG 156-43
PGC 34395		Glxy S	16.8	MCG 5-27-39A CGCG 156-43
PGC 34394		Glxy		
PGC 34393		Glxy SB(s)b	14.4	UGC 6292 MCG 5-27-38 CGCG 156-44 IRAS 11137+2935 KUG 1113+295
PGC 34388		Glxy		
PGC 34386		Glxy		
PGC 34385		Glxy S?	14.8	MCG 5-27-37 CGCG 156-42
PGC 34384		Glxy		
PGC 34380		Glxy S?	15	MCG 5-27-36 CGCG 156-40
PGC 34376		Glxy E3:	14	CGCG 156-41 ANON 1113+29A
PGC 34375		Glxy E3:	14	MCG 5-27-35 CGCG 156-39
PGC 34356		Glxy SBR	15.6	MCG 9-19-21
PGC 34303		Glxy S0	13.8	UGC 6276 MCG 5-27-32 CGCG 156-36
PGC 34068		Glxy S	15.4	UGC 6241 MCG 5-27-18 CGCG 156-19 KUG 1109+287
PGC 34036		Glxy S	15.7	MCG 5-27-16 CGCG 156-15 KUG 1108+290
PGC 34017		Glxy	15.5	MCG 5-27-15 CGCG 155-91 CGCG 156-13
PGC 34000		Glxy S	15.5	MCG 5-27-12
PGC 33994		Glxy		
PGC 33944		Glxy		
PGC 33924		Glxy C	15.5	CGCG 156-2 CGCG 155-81
PGC 33887		Glxy S	16	KUG 1107+288
PGC 33625		Glxy SBdm	14	UGC 6161 MCG 7-23-24 CGCG 213-29
PGC 33571		Glxy S	14.7	UGC 6149 MCG 7-23-23 CGCG 213-28
PGC 33526		Glxy S	16.1	MCG 10-16-55
PGC 33448		Glxy C	15.4	CGCG 213-25
PGC 33423		Glxy Ring	15.4	MCG 7-23-19 VV 32 ARP 148 ANON 1101+41 KUG 1101+411
PGC 50480		Glxy S	16.7	MCG 10-20-76
PGC 50436		Glxy Sb	15.5	UGC 9049 MCG 10-20-74 CGCG 295-36

## Ursa Major - The Great Bear

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 50413		Glxy S	15.8	MCG 10-20-75
PGC 49512		Glxy Sm	15	UGC 8859 MCG 10-20-50
PGC 49448		Glxy IB(s)m sp	13.8	HolmbergIV UGC 8837 MCG 9-23-17 DDO185 CGCG 272-13 ANON 1352+54
PGC 48570		Glxy C	15.6	CGCG 271-59 CGCG 272-4
PGC 48450		Glxy S?	14.5	UGC 8671 MCG 9-22-96 CGCG 271-57 CGCG 272-2 ARAK427
PGC 48439		Glxy S	14.1	MCG 9-22-94
PGC 48231		Glxy S	16.8	Hickson 66B
PGC 48226		Glxy S0?	15.8	MCG 10-19-104 CGCG 294-55 CGCG 295-3 Hickson 66A
PGC 48222		Glxy S	16.7	Hickson 66C
PGC 48220		Glxy E	17.6	Hickson 66D
PGC 48198		Glxy S	15.8	MCG 10-19-103
PGC 47926		Glxy S	16	MCG 9-22-83
PGC 47854		Glxy S?	14.4	UGC 8571 MCG 10-19-95 CGCG 294-49 IRAS 13329+6215
PGC 47512		Glxy Sab	15.1	UGC 8514 MCG 10-19-82 CGCG 294-41
PGC 47501		Glxy S	15.6	UGC 8511 MCG 10-19-81 CGCG 316-18 CGCG 317-1
PGC 47470		Glxy E	15.8	MCG 10-19-80 CGCG 294-40 KARA589
PGC 47328		Glxy S R	15.9	MCG 9-22-70
PGC 46620		Glxy S	13.1	MCG 10-19-63
PGC 46133		Glxy S?	14.4	UGC 8335 MCG 10-19-56 CGCG 294-28 7ZW506 VV 250 ARP 238 IRAS 13136+6223
PGC 46114		Glxy S	15.3	MCG 10-19-57 CGCG 294-28 VV 250 ARP 238
PGC 45617		Glxy	15.7	MCG 10-19-44 CGCG 294-23
PGC 45583		Glxy (R')SBb:	13.9	UGC 8237 MCG 10-19-41 CGCG 316-12 IRAS 13069+6234
PGC 45572		Glxy S0/a	14.1	UGC 8234 MCG 10-19-40 CGCG 316-11 ANON 1306+62
PGC 45501		Glxy S	15.6	MCG 10-19-37 CGCG 316-10
PGC 45476		Glxy SB?	14.4	UGC 8214 MCG 10-19-36 CGCG 294-19 IRAS 13056+6228
PGC 45337		Glxy Scd:	16	MK 242 ANON 1303+53
PGC 45334		Glxy	15.7	MCG 9-22-11 CGCG 270-52 CGCG 271-8
PGC 45277		Glxy	16	MCG 9-22-3 MK 239 CGCG 271-4 CGCG 270-48
PGC 45255		Glxy S?	15.7	MCG 9-22-2
PGC 45228		Glxy SB	15.3	MCG 9-21-101 CGCG 270-47 CGCG 271-3
PGC 44961		Glxy Sd	14.4	UGC 8146 MCG 10-19-15 CGCG 294-10
PGC 43028		Glxy S	15.8	MCG 9-21-41
PGC 42844		Glxy Double System	14.1	UGC 7905 MCG 9-21-33 MK 221 CGCG 270-16 1ZW41 VV 708 ANON 1241+55B
PGC 42841		Glxy S? pec	14.5	UGC 7905 MCG 9-21-34 MK 220 CGCG 270-16 1ZW41 VV 708 ANON 1241+55A
PGC 42725		Glxy S?	16.5	MCG 9-21-32
PGC 41897		Glxy	16	
PGC 41841		Glxy SBR	16.5	MCG 10-18-68
PGC 38812		Glxy S	15.6	MCG 10-17-157 CGCG 292-77
PGC 38375		Glxy Sdm:	15.4	UGC 7094 MCG 7-25-22 CGCG 215-25
PGC 38327		Glxy SAB0- pec:	15.7	UGC 7085A MCG 5-29-10 CGCG 158-16 VV 13 ARP 97 ANON 1203+31A
PGC 38325		Glxy SA(r)0- pec	15.3	UGC 7085A MCG 5-29-11 CGCG 158-16 VV 13 ARP 97 ANON 1203+31B
PGC 38307		Glxy Sb	15.5	MCG 5-29-12
PGC 38106		Glxy E		MCG 9-20-75
PGC 38105		Glxy S	16	MCG 9-20-76

## Ursa Major - The Great Bear

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 38092		Glxy E		MCG 9-20-74
PGC 38076		Glxy E		MCG 9-20-72
PGC 38072		Glxy S	16.4	Hickson 60D
PGC 38065		Glxy S0?	15.8	MCG 9-20-71 Hickson 60A
PGC 38064		Glxy S	16.5	Hickson 60C
PGC 38053		Glxy S	16.2	Hickson 60B
PGC 37639		Glxy S?	14.9	UGC 6945 MCG 6-26-62 CGCG 186-76 VV 126 ARP 194
PGC 37589		Glxy Scd:	15	UGC 6929 MCG 6-26-58 CGCG 186-72
PGC 37534		Glxy S	17.6	MCG 10-17-108
PGC 37526		Glxy C	15.7	MCG 10-17-106 CGCG 292-49
PGC 37416		Glxy S	15.8	MCG 5-28-46 KUG 1152+286
PGC 37282		Glxy S?	14.7	UGC 6865 MCG 7-25-2 CGCG 214-35 CGCG 215-3 2ZW55 VV 286 ARP 62
PGC 37168		Glxy	15.2	MCG 9-20-18 KUG 1149+522
PGC 37164		Glxy SB(rs)m	14.3	UGC 6840 MCG 9-20-19 DDO100 CGCG 269-12 ANON 1149+52
PGC 33205		Glxy Sbc	15.2	MCG 10-16-44 CGCG 291-21 7ZW360 VV 627
PGC 33071		Glxy S	15.4	MCG 10-16-40
PGC 33043		Glxy	15.8	MCG 10-16-37 CGCG 291-17 ARAK271
PGC 32899		Glxy S?	16.2	CGCG 314-1 CGCG 313-40 Hickson 49A
PGC 32895		Glxy S	16.7	Hickson 49B
PGC 32893		Glxy S	17.6	Hickson 49C
PGC 32890		Glxy L	17.3	Hickson 49D
PGC 32784		Glxy Sm	15.7	MCG 10-16-24 VV 14 ARP 24
PGC 31141		Glxy Im pec:	13.4	UGC 5720 MCG 9-17-70 MK 33 CGCG 266-55 ARP 233 ANON 1029+54
PGC 30693		Glxy S	15.1	MCG 12-10-36
PGC 30649		Glxy E/S0	14.9	MCG 10-15-79 CGCG 290-39
PGC 30368		Glxy Sbc	15.6	MCG 10-15-70 CGCG 290-31
PGC 30240		Glxy Sab	15.4	UGC 5579 MCG 10-15-66 CGCG 290-29
PGC 30156		Glxy S	17.6	Hickson 45D
PGC 30153		Glxy Sb	15.7	UGC 5564 MCG 10-15-61 Hickson 45A
PGC 30143		Glxy S	18.4	Hickson 45C
PGC 29427		Glxy Im	14.1	UGC 5451 MCG 8-19-4 CGCG 240-10
PGC 29327		Glxy E/S0	13.7	UGC 5435 MCG 10-15-13 CGCG 290-8
PGC 29229		Glxy Sdm:	18	UGC 5421 MCG 9-17-18 SBS1001+555
PGC 29142		Glxy S0/a	15.4	UGC 5405 MCG 9-17-15 CGCG 266-12
PGC 29068		Glxy S R	16.6	MCG 9-17-11
PGC 28990		Glxy Sb-Sc	14.8	MCG 9-17-9 CGCG 266-7 CGCG 265-55
PGC 28784		Glxy E	18.1	Hickson 41D
PGC 28770		Glxy S	15.3	UGC 5346 MCG 8-18-48 CGCG 239-47 Hickson 41B
PGC 27076		Glxy SB	16.7	MCG 10-14-17
PGC 27041		Glxy SBa	15.2	UGC 5061 MCG 11-12-14 CGCG 312-14
PGC 27029		Glxy Sc	15.3	UGC 5058 MCG 11-12-13 CGCG 312-13
PGC 26940		Glxy C	15.3	CGCG 312-12
PGC 26864		Glxy SAB(s)c	14.1	UGC 5029 MCG 12-9-50 CGCG 332-51 VV 106 ARP 300
PGC 26849		Glxy SB(s)dm pec	14.3	UGC 5028 MCG 12-9-49 MK 111 CGCG 332-50 7ZW280 VV 106 ARP 300 IRAS 9235+6837
PGC 26694		Glxy C	15.8	CGCG 238-51

## Ursa Major - The Great Bear

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 26579		Glxy Sa	14.7	UGC 4967 MCG 12-9-44 CGCG 332-46
PGC 26572		Glxy SBR	14.8	MCG 9-16-8 CGCG 265-9
PGC 26289		Glxy Sab	14.7	UGC 4896 MCG 12-9-36 CGCG 332-39
PGC 25755		Glxy	15.7	CGCG 264-68
PGC 25649		Glxy S0-:	14.1	UGC 4775 MCG 11-11-37 CGCG 311-29
PGC 25370		Glxy S?	14.6	UGC 4730 MCG 10-13-52 MK 18 CGCG 288-17 IRAS 8580+6020 ANON 858+60
PGC 25369		Glxy Sc	14.9	UGC 4727 MCG 10-13-51
PGC 25308		Glxy Sc	14.9	UGC 4719 MCG 9-15-72 CGCG 264-49 IRAS 8570+5052
PGC 25305		Glxy Sab	15	UGC 4717 MCG 9-15-73 CGCG 264-48
PGC 25240		Glxy Dwarf Spiral	15.2	UGC 4612
PGC 24916		Glxy	15.6	CGCG 264-25
PGC 23324		Glxy Dwarf Irr	11.1	HolmbergII UGC 4305 MCG 12-8-33 DDO50 CGCG 331-34 7ZW223 ARP 268 IRAS 8140+7052
PGC 23913		Glxy SA(s)c	14.8	UGC 4445 MCG 10-12-142 CGCG 287-77
PGC 24912		Glxy E	15.5	MCG 9-15-38 CGCG 264-23
PGC 24908		Glxy SBb	15.1	UGC 4633 MCG 9-15-36 CGCG 264-22
NGC 2600		Glxy Sb	15	UGC 4475 MCG 9-14-68 CGCG 263-55 PGC 24082
NGC 2767		Glxy S?	14.8	UGC 4813 MCG 8-17-46 CGCG 264-75 PGC 25852
NGC 2762		Glxy S	17.9	MCG 8-17-45 CGCG 264-72 PGC 25828
NGC 2756	H828-2	Glxy Sb	13.2	UGC 4796 MCG 9-15-98 CGCG 264-67 IRAS 9054+5402 PGC 25757
NGC 2742A		Glxy SB(s)b pec?	14	UGC 4803 MCG 10-13-60 CGCG 288-22 CGCG 311-30 IRAS 9059+6227 PGC 25836
NGC 2742	H249-1	Glxy SA(s)c:	12	NGC 2816 PGC 25640 UGC 4779 MCG 10-13-57 CGCG 288-19 IRAS 9036+6040
NGC 2740		Glxy S?	14.9	MCG 9-15-86 CGCG 264-60 PGC 25531
NGC 2739		Glxy Sa	15.5	MCG 9-15-85 CGCG 264-59 PGC 25530
NGC 2726	H834-2	Glxy Sa?	13.4	UGC 4750 MCG 10-13-54 CGCG 288-18 IRAS 9010+6007 PGC 25498
NGC 2685		Glxy (R)SB0+ pec	11.2	Helix Galaxy PGC 25065
NGC 2895		Glxy SBc	14.7	MCG 10-14-18 CGCG 289-9 PGC 27092
NGC 2892		Glxy E+ pec:	14.1	UGC 5073 MCG 11-12-15 CGCG 312-15 PGC 27111
NGC 2880	H260-1	Glxy SB0-	12.5	UGC 5051 MCG 10-14-15 CGCG 312-11 PGC 26939
NGC 2870	H846-3	Glxy Sbc	13.8	UGC 5034 MCG 10-14-13 CGCG 289-8 IRAS 9241+5735 KARA335 PGC 26856
NGC 2857		Glxy SA(s)c	12.9	UGC 5000 MCG 8-17-95 CGCG 238-49 ARP 1 PGC 26666
NGC 2856	H713-3	Glxy S?	14.1	UGC 4997 MCG 8-17-93 CGCG 238-47 ARP 285 IRAS 9208+4927 KUG 920+494B PGC 26648
NGC 2854	H714-3	Glxy SB(s)b	13.8	UGC 4995 MCG 8-17-92 CGCG 238-46 ARP 285 IRAS 9206+4925 KUG 920+494A PGC 26631
NGC 2841	H205-1	Glxy SA(r)b:	10.1	UGC 4966 MCG 9-16-5 CGCG 265-6 KARA324 PGC 26512
NGC 2820	H869-2	Glxy SB(s)c pec sp	12.8	UGC 4961 MCG 11-12-6 CGCG 312-5 IRAS 9177+6428 PGC 26498
NGC 3066	H334-2	Glxy (R')SAB(s)bc p	13.6	UGC 5379 MCG 12-10-15 MK 133 CGCG 333-11 IRAS 9578+7222 KUG 957+723 PGC 29059
NGC 3065	H333-2	Glxy SA(r)0^	13.5	UGC 5375 MCG 12-10-14 CGCG 333-10 7ZW303 PGC 29046
NGC 3043	H835-2	Glxy Sb: sp	13.4	UGC 5327 MCG 10-14-52 CGCG 289-23 IRAS 9527+5932 KARA385 PGC 28672
NGC 3034	H79-4	Glxy I0 sp	9.3	M 82 UM283 PGC 28655
NGC 3031		Glxy SA(s)ab	7.9	M 81 Bode's Nebula UGC 527 MCG 0-3-17 PGC 28630
NGC 3027	H23-5	Glxy SB(rs)d:	12.2	UGC 5316 MCG 12-10-9 CGCG 332-68 CGCG 333-6 VV 358 IRAS 9513+7226 KUG 951+724 PGC 28636
NGC 3010		Glxy Triple System	14.3	UGC 5273 MCG 7-20-65 CGCG 239-35 PGC 28335
NGC 3009		Glxy S?	14.5	UGC 5264 MCG 7-20-62 CGCG 239-33 PGC 28303

## Ursa Major - The Great Bear

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 3008		Glxy Sb	15.5	MCG 7-20-59 CGCG 210-39 PGC 28252
NGC 3214		Glxy SA0/a:	14.9	MCG 10-15-71 CGCG 290-32 PGC 30419
NGC 3207	H722-2	Glxy S?	14.2	UGC 5587 MCG 7-21-43 CGCG 211-47 PGC 30267
NGC 3206	H266-1	Glxy SB(s)cd	12.6	UGC 5589 MCG 10-15-69 CGCG 290-30 IRAS 10184+5710 KUG 1018+571 PGC 30322
NGC 3205	H721-2	Glxy S?	14.2	UGC 5585 MCG 7-21-42 CGCG 211-46 PGC 30254
NGC 3202	H720-2	Glxy SB(r)a	14.1	UGC 5581 MCG 7-21-41 CGCG 211-44 PGC 30236
NGC 3198	H199-1	Glxy SB(rs)c	10.9	UGC 5572 MCG 8-19-20 CGCG 240-30 PGC 30197
NGC 3188A		Glxy S?	17	
NGC 3188	H910-3	Glxy (R)SB(r)ab	14.6	UGC 5569 MCG 10-15-65 MK 31 CGCG 290-28 KUG 1016+576B PGC 30183
NGC 3184	H168-1	Glxy SBc	9.6	
NGC 3359	H52-5	Glxy SB(rs)c	11	UGC 5873 MCG 11-13-37 CGCG 313-33 IRAS 10433+6329 KARA442 PGC 32183
NGC 3353	H842-3	Glxy Sb? pec	13.3	UGC 5860 MCG 9-18-22 MK 35 CGCG 267-9 IRAS 10422+5613 PGC 32103
NGC 3348	H80-1	Glxy E0	12.2	UGC 5875 MCG 12-10-77 CGCG 333-54 PGC 32216
NGC 3320	H745-2	Glxy Scd:	13	UGC 5794 MCG 8-20-10 CGCG 241-5 IRAS 10366+4739 PGC 31708
NGC 3319	H700-3	Glxy SB(rs)cd	11.5	UGC 5789 MCG 7-22-36 CGCG 212-33 KARA428 KUG 1036+419 PGC 31671
NGC 3310	H60-4	Glxy SAB(r)bc pec	11.2	UGC 5786 MCG 9-18-8 CGCG 267-4 VV 356 VV 406 ARP 217 IRAS 10356+5345 PGC 31650
NGC 3298	H767-3	Glxy E/S0	15	MCG 8-19-43 CGCG 241-1 CGCG 240-65 PGC 31529
NGC 3288	H918-3	Glxy SABbc:	14.8	UGC 5752 MCG 10-15-114 CGCG 290-57 PGC 31446
NGC 3286	H917-3	Glxy E?	14.6	MCG 10-15-112 CGCG 290-56 PGC 31433
NGC 5631	H236-1	Glxy SA(s)0^	12.4	UGC 9261 MCG 10-21-2 CGCG 296-5 PGC 51564
NGC 5585	H235-1	Glxy SAB(s)d	11.2	UGC 9179 MCG 10-20-94 CGCG 295-45 IRAS 14182+5657 KARA624 KUG 1418+569 PGC 51210
NGC 5561		Glxy Sm	15.4	UGC 9151 MCG 10-20-93 CGCG 295-44 PGC 51026
NGC 5540	H805-3	Glxy	14.9	MCG 10-20-90 CGCG 295-41 PGC 50883
NGC 5526	H804-3	Glxy Sbc	14.3	UGC 9115 MCG 10-20-85 CGCG 295-40 IRAS 14122+5800 PGC 50832
NGC 5503		Glxy	16	MCG 10-20-77 PGC 50508
NGC 5486	H801-2	Glxy SA(s)m:	13.8	UGC 9036 MCG 9-23-38 CGCG 272-31 IRAS 14056+5520 PGC 50383
NGC 5485	H232-1	Glxy SA0 pec	11.4	UGC 9033 MCG 9-23-37 CGCG 272-30 PGC 50369
NGC 5484	H791-3	Glxy E2	15.7	CGCG 272-29 PGC 50338
NGC 5481	H693-2	Glxy E+	13.3	UGC 9029 MCG 9-23-36 CGCG 272-28 PGC 50331
NGC 5480	H692-2	Glxy SA(s)c:	12.8	UGC 9026 MCG 9-23-35 CGCG 272-27 IRAS 14045+5057 PGC 50312
NGC 5477	H790-3	Glxy SA(s)m	14	UGC 9018 MCG 9-23-34 DDO186 CGCG 272-25 VV 561 KUG 1403+546 PGC 50262
NGC 5475	H800-2	Glxy Sa? sp	13.5	UGC 9016 MCG 9-23-33 CGCG 272-24 PGC 50231
NGC 5474	H214-1	Glxy S(c)	11.3	UGC 9013 MCG 9-23-32 CGCG 272-23 VV 344 ARP 26 PGC 50216
NGC 5473	H231-1	Glxy SAB(s)0-:	12.4	UGC 9011 MCG 9-23-31 CGCG 272-22 PGC 50191
NGC 5471		Glxy		
NGC 5462	H789-3	Knt in Glxy		
NGC 5461	H788-3	Knt in Glxy		
NGC 5457		Glxy SAB(rs)cd	8.3	M 101 UGC 1035 MCG 8-3-23 CGCG 551-18 PGC 50063
NGC 5451		Knt in Glxy		
NGC 5448	H691-2	Glxy (R)SAB(r)a	11.9	UGC 8969 MCG 8-26-3 CGCG 247-4 IRAS 14009+4924 PGC 50031
NGC 5447	H787-3	Knt in Glxy		
NGC 5443	H799-2	Glxy SB(s)b?	13.1	UGC 8958 MCG 9-23-26 CGCG 272-20 IRAS 14004+5603 PGC 49993
NGC 5430	H827-2	Glxy SB(s)b	12.7	UGC 8937 MCG 10-20-62 MK 799 CGCG 295-32 IRAS 13591+5934 PGC 49881

## Ursa Major - The Great Bear

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 5422	H230-1	Glxy S0 sp	12.8	UGC 8935 MCG 9-23-24 CGCG 272-16 PGC 49874
NGC 5402	H810-3	Glxy S?	14.7	UGC 8903 MCG 10-20-54 CGCG 295-29 IRAS 13566+6003 PGC 49712
NGC 5389	H240-1	Glxy SAB(r)0/a:?	12.9	UGC 8866 MCG 10-20-51 CGCG 295-27 IRAS 13544+5959 PGC 49548
NGC 5379	H239-1	Glxy S0	13.9	UGC 8860 MCG 10-20-49 CGCG 295-26 PGC 49508
NGC 5376	H844-2	Glxy SAB(r)b?	12.9	UGC 8852 MCG 10-20-47 CGCG 295-25 IRAS 13536+5945 PGC 49489
NGC 5372	H809-3	Glxy S?	14.2	UGC 8843 MCG 10-20-46 CGCG 295-24 IRAS 13530+5854 PGC 49451
NGC 5370	H843-2	Glxy SB(r)0^	14.1	UGC 8832 MCG 10-20-44 CGCG 295-22 PGC 49408
NGC 5368	H786-3	Glxy (R')SABab:	13.9	UGC 8834 MCG 9-23-14 CGCG 272-12 IRAS 13526+5434 PGC 49431
NGC 5342	H849-3	Glxy S0	14.5	UGC 8776 MCG 10-20-41 CGCG 295-20 PGC 49192
NGC 5322	H256-1	Glxy E3-4	11.1	UGC 8745 MCG 10-20-35 CGCG 295-17 PGC 49044
NGC 5308	H255-1	Glxy S0- sp	12.3	UGC 8722 MCG 10-20-29 CGCG 295-12 PGC 48860
NGC 5294	H785-3	Glxy	15.2	CGCG 271-61 CGCG 272-6 PGC 48761
NGC 5279		Glxy SB(s)a pec	15	UGC 8678 MCG 9-22-102 MK 271A CGCG 271-58 CGCG 272-3 1ZW69 VV 19 ARP 239 PGC 48482
NGC 5278	H798-2	Glxy SA(s)b? pec	13.5	UGC 8677 MCG 9-22-101 MK 271 CGCG 271-58 CGCG 272-3 1ZW69 VV 19 ARP 239 PGC 48473
NGC 5255	H803-3	Glxy Sb	15.4	MCG 10-19-98 CGCG 294-51 PGC 48124
NGC 5250	H817-2	Glxy S0	14	UGC 8594 MCG 9-22-85 CGCG 271-53 PGC 47997
NGC 5218	H842-2	Glxy SB(s)b? pec	12.3	UGC 8529 MCG 11-17-5 CGCG 316-20 CGCG 317-3 VV 33 ARP 104 IRAS 13304+6301 PGC 47603
NGC 5216	H841-2	Glxy E0 pec	13.6	UGC 8528 MCG 11-17-4 CGCG 316-19 CGCG 317-2 VV 33 ARP 104 PGC 47598
NGC 5205		Glxy S?	13.2	UGC 8501 MCG 11-17-3 CGCG 316-17 IRAS 13283+6245 PGC 47425
NGC 5204	H63-4	Glxy SA(s)m	11.7	UGC 8490 MCG 10-19-78 CGCG 294-39 IRAS 13277+5840 PGC 47368
NGC 5201	H797-2	Glxy S?	14.1	UGC 8480 MCG 9-22-69 CGCG 271-45 PGC 47324
NGC 5164	H784-3	Glxy SBb	14.5	UGC 8458 MCG 9-22-63 MK 257 CGCG 271-41 PGC 47124
NGC 5163	H821-3	Glxy E	14.6	UGC 8453 MCG 9-22-62 CGCG 271-40 PGC 47096
NGC 5113	H808-3	Glxy Sbc	15.3	MCG 10-19-64 CGCG 294-34 PGC 46630
NGC 5109	H826-2	Glxy S	13.8	UGC 8393 MCG 10-19-61 CGCG 294-32 IRAS 13189+5754 PGC 46589
NGC 4335	H806-2	Glxy E	13.4	UGC 7455 MCG 10-18-35 CGCG 293-15 PGC 40169
NGC 4290	H805-2	Glxy SB(rs)ab:	12.7	UGC 7402 MCG 10-18-29 CGCG 293-12 IRAS 12183+5822 PGC 39859
NGC 4284	H798-3	Glxy Sbc	14.3	UGC 7393 MCG 10-18-26 CGCG 293-11 PGC 39775
NGC 4271	H804-2	Glxy S0-:	13.6	UGC 7375 MCG 10-18-25 CGCG 293-10 PGC 39683
NGC 4199	H797-3	Glxy Sb	15.5	UGC 7253 MCG 10-18-11 CGCG 292-84 CGCG 293-5 VV 183 PGC 39135
NGC 4198	H793-2	Glxy S0/a	14.6	UGC 7246 MCG 9-20-123 CGCG 269-45 PGC 39090
NGC 4195	H796-3	Glxy SB(s)cd	14.9	UGC 7244 MCG 10-18-10 CGCG 292-83 CGCG 293-4 PGC 39082
NGC 4194	H867-2	Glxy IBm pec	12.5	UGC 7241 MCG 9-20-119 MK 201 CGCG 269-43 1ZW33 VV 261 ARP 160 PGC 39068
NGC 4172	H792-2	Glxy S?	14.2	UGC 7205 MCG 9-20-109 CGCG 269-39 CGCG 292-80 PGC 38887
NGC 4161	H803-2	Glxy S?	13.9	UGC 7191 MCG 10-18-2 CGCG 292-78 IRAS 12090+5800 PGC 38834
NGC 4157	H208-1	Glxy SAB(s)b? sp	12.2	UGC 7183 MCG 9-20-106 CGCG 269-38 IRAS 12085+5045 PGC 38795
NGC 4149	H802-2	Glxy S?	14.2	NGC 4154 PGC 38741 UGC 7167 MCG 10-17-155 CGCG 292-76 IRAS 12080+5834
NGC 4144	H747-2	Glxy SAB(s)cd? sp	12.1	UGC 7151 MCG 8-22-77 CGCG 243-48 IRAS 12074+4644 PGC 38688
NGC 4142	H814-3	Glxy SB(s)d:	13.9	UGC 7140 MCG 9-20-102 CGCG 269-37 PGC 38645
NGC 4141	H795-3	Glxy SBcd:	14.4	UGC 7147 MCG 10-17-152 CGCG 292-74 PGC 38669
NGC 4102	H225-1	Glxy SAB(s)b?	12	UGC 7096 MCG 9-20-94 CGCG 269-36 IRAS 12038+5259 PGC 38392
NGC 4100	H717-3	Glxy (R')SA(rs)bc	11.9	UGC 7095 MCG 8-22-68 CGCG 243-44 IRAS 12036+4951 PGC 38370
NGC 4096	H207-1	Glxy SAB(rs)c	11.5	UGC 7090 MCG 8-22-67 CGCG 243-43 PGC 38361

## Ursa Major - The Great Bear

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 4088	H206-1	Glxy SAB(rs)bc	11.2	UGC 7081 MCG 9-20-89 CGCG 269-33 VV 357 ARP 18 PGC 38302
NGC 4085	H224-1	Glxy SAB(s)c:?	13	UGC 7075 MCG 9-20-86 CGCG 269-32 IRAS 12028+5037 PGC 38283
NGC 4081		Glxy Sa?	13.8	UGC 7062 MCG 11-15-15 CGCG 315-10 IRAS 12020+6442 PGC 38212
NGC 4068	H781-2	Glxy IAm	13	IC 757 PGC 38148 UGC 7047 MCG 9-20-79 CGCG 269-31
NGC 4062	H174-1	Glxy SA(s)c	11.9	UGC 7045 MCG 5-29-4 CGCG 158-8 IRAS 12015+3210 KARA518 KUG 1201+321 PGC 38150
NGC 4054	H794-3	Glxy S	15.2	MCG 10-17-131 CGCG 292-62 VV 136 PGC 38078
NGC 4051	H56-4	Glxy SAB(rs)bc	10.8	UGC 7030 MCG 8-22-59 CGCG 243-38 IRAS 12005+4448 PGC 38068
NGC 4047	H741-2	Glxy (R)SA(rs)b:	13	UGC 7025 MCG 8-22-58 CGCG 243-37 IRAS 12002+4854 PGC 38042
NGC 4041	H252-1	Glxy SA(rs)bc:	11.9	UGC 7014 MCG 10-17-129 CGCG 292-61 ARAK342 IRAS 11596+6224 PGC 37999
NGC 4036	H253-1	Glxy S0-	11.6	UGC 7005 MCG 10-17-125 CGCG 292-59 IRAS 11588+6210 PGC 37930
NGC 4026	H223-1	Glxy S0 sp	11.7	UGC 6985 MCG 9-20-52 CGCG 269-29 PGC 37760
NGC 4013	H733-2	Glxy Sb sp	12.2	UGC 6963 MCG 7-25-9 CGCG 215-10 IRAS 11559+4413 PGC 37691
NGC 3998	H229-1	Glxy SA(r)0^?	11.6	UGC 6946 MCG 9-20-46 CGCG 269-25 PGC 37642
NGC 3995		Glxy SAm pec		UGC 6944 MCG 6-26-61 CGCG 186-75 VV 249 ARP 313 IRAS 11550+3234 KUG 1155+325B PGC 37624
NGC 3994		Glxy SA(r)c pec?	13.3	UGC 6936 MCG 6-26-59 CGCG 186-74 ARAK337 VV 249 ARP 313 KUG 1155+325A PGC 37616
NGC 3992	H61-4	Glxy SB(rs)bc	10.6	M 109 UGC 691 PGC 37617
NGC 3991		Glxy Im pec sp	13.5	UGC 6933 MCG 6-26-60 CGCG 186-73 VV 523 ARP 313 IRAS 11549+3237 KUG 1154+326 PGC 37613
NGC 3990	H791-2	Glxy S0-: sp	13.4	UGC 6938 MCG 9-20-43 CGCG 269-24 PGC 37618
NGC 3986		Glxy S0 sp	13.6	PGC 37544 UGC 6920 MCG 5-28-53 CGCG 157-58 IRAS 11541+3217
NGC 3982	H62-4	Glxy SAB(r)b:	11.8	UGC 6918 MCG 9-20-36 CGCG 269-19 IRAS 11538+5524 KUG 1153+554 PGC 37520
NGC 3978	H840-2	Glxy SABbc:	13.3	UGC 6910 MCG 10-17-105 CGCG 292-47 IRAS 11535+6047 PGC 37502
NGC 3977	H790-2	Glxy Sab	13.6	
NGC 3975		Glxy SAB?	16.3	MCG 10-17-103 PGC 37480
NGC 3972	H789-2	Glxy SA(s)bc	13	UGC 6904 MCG 9-20-32 CGCG 269-16 IRAS 11531+5535 PGC 37466
NGC 3963	H67-4	Glxy SAB(rs)bc	12.5	UGC 6884 MCG 10-17-100 CGCG 292-44 IRAS 11523+5846 PGC 37386
NGC 3958	H833-2	Glxy SB(s)a	13.8	UGC 6880 MCG 10-17-98 CGCG 292-43 PGC 37358
NGC 3953	H45-5	Glxy SB(r)bc	10.8	UGC 6870 MCG 9-20-26 CGCG 269-13 PGC 37306
NGC 3949	H202-1	Glxy SA(s)bc:	11.5	UGC 6869 MCG 8-22-29 CGCG 243-25 IRAS 11510+4808 PGC 37290
NGC 3945	H251-1	Glxy (R)SB(rs)0+	11.8	UGC 6860 MCG 10-17-96 CGCG 292-42 IRAS 11506+6056 PGC 37258
NGC 3941	H173-1	Glxy SB(s)0^	11.3	UGC 6857 MCG 6-26-51 CGCG 186-62 PGC 37235
NGC 3938	H203-1	Glxy SA(s)c	10.9	UGC 6856 MCG 7-25-1 CGCG 214-34 CGCG 215-2 IRAS 11502+4423 PGC 37229
NGC 3796	H839-2	Glxy S?	13.5	UGC 6638 MCG 10-17-39 CGCG 292-18 PGC 36215
NGC 3795	H844-3	Glxy S	14.1	UGC 6629 MCG 10-17-38 CGCG 292-17 IRAS 11373+5853 PGC 36192
NGC 3793		Glxy Sc	15.5	CGCG 157-7 MCG +5-28-5 VV 575 PGC 36140
NGC 3788		Glxy SAB(rs)ab pec	13.5	UGC 6623 MCG 5-28-9 CGCG 157-10 VV 228 ARP 294 PGC 36160
NGC 3786		Glxy SAB(rs)a pec	13.2	UGC 6621 MCG 5-28-8 MK 744 CGCG 157-9 VV 228 ARP 294 PGC 36158
NGC 3782	H732-2	Glxy SAB(s)cd:	13.1	UGC 6618 MCG 8-21-87 CGCG 242-71 IRAS 11366+4647 PGC 36136
NGC 3780	H227-1	Glxy SA(s)c:	12.2	UGC 6615 MCG 9-19-150 CGCG 292-14 IRAS 11366+5632 PGC 36138
NGC 3770	H838-2	Glxy SBa	13.8	UGC 6600 MCG 10-17-28 CGCG 292-12 IRAS 11352+5953 PGC 36025
NGC 3769A		Glxy SBm pec:	14.7	MCG 8-21-77 CGCG 242-66 ARP 280 IRAS 11350+4809 PGC 36008
NGC 3769	H731-2	Glxy SB(r)b:	12.6	UGC 6595 MCG 8-21-76 CGCG 242-65 ARP 280 PGC 35999
NGC 3762	H837-2	Glxy Sa	13.5	UGC 6591 MCG 10-17-27 CGCG 292-11 PGC 35979

## Ursa Major - The Great Bear

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 3759A		Glxy SABc pec	14.3	UGC 6582 MCG 9-19-135 CGCG 268-65 IRAS 11342+5526 PGC 35948
NGC 3759		Glxy SAB0^:	13.2	UGC 6581 MCG 9-19-136 CGCG 268-64 PGC 35945
NGC 3757	H843-3	Glxy S0?	13.6	UGC 6584 MCG 10-17-26 CGCG 292-10 PGC 35955
NGC 3756	H784-2	Glxy SAB(rs)bc	12.1	UGC 6579 MCG 9-19-134 CGCG 268-63 IRAS 11340+5434 KUG 1134+545 PGC 35931
NGC 3740	H847-3	Glxy S	15	UGC 6573 MCG 10-17-23 CGCG 292-8 SBS1133+602 PGC 35883
NGC 3738	H783-2	Glxy Im	11.7	UGC 6565 MCG 9-19-130 CGCG 268-60 ARP 234 IRAS 11330+5448 KUG 1133+548 PGC 35856
NGC 3737	H772-3	Glxy SB0	13.9	UGC 6563 MCG 9-19-128 CGCG 268-58 PGC 35840
NGC 3733	H771-3	Glxy SAB(s)cd:	12.9	UGC 6554 MCG 9-19-123 CGCG 268-55 VV 459 PGC 35797
NGC 3729	H222-1	Glxy SB(r)a pec	11.4	UGC 6547 MCG 9-19-117 CGCG 268-51 IRAS 11310+5324 KUG 1131+534 PGC 35711
NGC 3726	H730-2	Glxy SAB(r)c	10.9	UGC 6537 MCG 8-21-51 CGCG 242-45 IRAS 11306+4718 PGC 35676
NGC 3725	H836-2	Glxy SBc	13.7	UGC 6542 MCG 10-17-15 MK 179 CGCG 292-5 CGCG 291-78 IRAS 11308+6209 PGC 35698
NGC 3718	H221-1	Glxy SB(s)a pec	10.7	UGC 6524 MCG 9-19-114 CGCG 268-48 ARP 214 IRAS 11298+5320 PGC 35616
NGC 3712		Glxy SB?	14.9	UGC 6506 MCG 5-27-82 CGCG 156-90 ARP 203 KUG 1128+288 PGC 35507
NGC 3690	H247-1	Glxy IBm pec	12	UGC 6472 MCG 10-17-3 MK 171 CGCG 291-73 VV 118 ARP 299 PGC 35321
NGC 3687	H770-2	Glxy (R')SAB(r)bc?	12.8	UGC 6463 MCG 5-27-73 MK 736 CGCG 156-78 KUG 1125+297 PGC 35285
NGC 3683A		Glxy SB(rs)c	12.6	UGC 6484 MCG 10-17-6 CGCG 291-75 IRAS 11263+5724 PGC 35376
NGC 3683	H246-1	Glxy SB(s)c?	13.1	UGC 6458 MCG 10-16-143 CGCG 291-72 IRAS 11247+5709 PGC 35249
NGC 3675	H194-1	Glxy SA(s)b	11	UGC 6439 MCG 7-24-4 CGCG 214-5 PGC 35164
NGC 3674	H886-2	Glxy S0 sp	13.2	UGC 6444 MCG 10-16-138 CGCG 291-69 PGC 35191
NGC 3671	H922-3	Glxy C	15.6	CGCG 291-68 PGC 35149
NGC 3669	H829-2	Glxy SBcd: sp	13.1	UGC 6431 MCG 10-16-135 CGCG 291-67 IRAS 11226+5759 PGC 35113
NGC 3668	H845-2	Glxy Sbc	13.1	UGC 6430 MCG 11-14-23 CGCG 314-26 IRAS 11225+6343 PGC 35123
NGC 3657	H768-3	Glxy SAB(rs)c pec	13.1	UGC 6406 MCG 9-19-65 CGCG 268-30 IRAS 11212+5310 PGC 35002
NGC 3656	H782-2	Glxy (R')I0: pec	13.3	UGC 6403 MCG 9-19-63 CGCG 268-29 VV 22 ARP 155 IRAS 11208+5406 PGC 34989
NGC 3654	H880-2	Glxy S?	13.7	UGC 6407 MCG 12-11-22 CGCG 334-29 IRAS 11211+6941 PGC 35025
NGC 3652	H775-2	Glxy Scd?	12.9	UGC 6392 MCG 6-25-55 CGCG 185-49 ARAK291 IRAS 11199+3802 PGC 34917
NGC 3642	H245-1	Glxy SA(r)bc:	11.7	UGC 6385 MCG 10-16-128 CGCG 291-62 IRAS 11194+5920 PGC 34889
NGC 3631	H226-1	Glxy SA(s)c	11	UGC 6360 MCG 9-19-47 CGCG 268-21 VV 363 ARP 27 IRAS 11181+5326 PGC 34767
NGC 3625	H885-2	Glxy SAB(s)b:	13.9	UGC 6348 MCG 10-16-120 CGCG 291-57 PGC 34718
NGC 3622	H879-2	Glxy S?	13.7	UGC 6339 CGCG 314-20 IRAS 11171+6730 PGC 34692
NGC 3619	H244-1	Glxy (R)SA(s)0+:	12.5	UGC 6330 MCG 10-16-115 CGCG 291-54 IRAS 11164+5802 PGC 34641
NGC 3614	H729-2	Glxy SAB(r)c	12.3	UGC 6318 MCG 8-21-15 CGCG 242-19 IRAS 11155+4601 PGC 34561
NGC 3613	H271-1	Glxy E6	11.8	UGC 6323 MCG 10-16-109 CGCG 291-49 PGC 34583
NGC 3610	H270-1	Glxy E5:	11.7	UGC 6319 MCG 10-16-107 CGCG 291-48 PGC 34566
NGC 3594	H770-3	Glxy SB0:	14.7	UGC 6286 MCG 9-19-22 CGCG 267-58 CGCG 268-11 PGC 34374
NGC 3589	H921-3	Glxy Sd:	14.4	UGC 6275 MCG 10-16-96 CGCG 291-46 PGC 34308
NGC 3587		PI Neb 3a	12	M 97 Owl Nebula PK 148+57.1 PNG 148.4+57.0
NGC 3583	H728-2	Glxy SB(s)b	11.9	UGC 6263 MCG 8-21-8 CGCG 242-12 IRAS 11113+4835 PGC 34232
NGC 3561B		Glxy SA(r)a pec	14.7	NGC 3561 ARP 105 PGC 33991 UGC 6224 MCG 5-27-10
NGC 3561A		Glxy S0^:pec	14.3	UGC 6224 MCG 5-27-11 CGCG 155-90 CGCG 156-11 VV 237 ARP 105 IRAS 11085+2859
NGC 3558		Glxy S?	14.6	MCG 5-27-8 MK 422 CGCG 155-89 CGCG 156-10 PGC 33960
NGC 3556	H46-5	Glxy SB(s)cd sp	10.7	M 108 ESO 29-26 PGC 34030

## Ursa Major - The Great Bear

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 3554		Glxy E	15.4	MCG 5-27-7 CGCG 155-86 CGCG 156-7 PGC 33948
NGC 3553		Glxy E	15.6	MCG 5-27-4 CGCG 156-6 CGCG 155-85 PGC 33933
NGC 3552	H352-3	Glxy E	14.8	MCG 5-27-3 CGCG 155-85 CGCG 156-6 PGC 33932
NGC 3550	H351-3	Glxy Pec	14.1	UGC 6214 MCG 5-27-2 CGCG 155-82 CGCG 156-3 PGC 33927
NGC 3549	H220-1	Glxy SA(s)c:	12.8	UGC 6215 MCG 9-18-97 CGCG 267-47 IRAS 11080+5339 PGC 33964
NGC 3543	H920-3	Glxy S	14.9	UGC 6213 MCG 10-16-75 CGCG 291-34 PGC 33953
NGC 3530	H915-3	Glxy S?	14.8	UGC 6188 MCG 10-16-64 CGCG 291-30 ARAK278 PGC 33766
NGC 3517	H884-2	Glxy SAB:	13.8	UGC 6144 MCG 10-16-57 CGCG 291-27 IRAS 11026+5647 PGC 33532
NGC 3516	H336-2	Glxy (R)SB(s)0^:	12.5	UGC 6153 MCG 12-11-9 CGCG 334-11 IRAS 11033+7250 PGC 33623
NGC 3499	H793-3	Glxy I0?	14.4	UGC 6115 MCG 9-18-80 CGCG 267-37 CGCG 291-24 PGC 33375
NGC 3488	H269-1	Glxy SB(s)c:	13.6	UGC 6096 MCG 10-16-45 CGCG 291-22 IRAS 10583+5756 PGC 33242
NGC 3478	H705-3	Glxy SB(rs)bc	13.6	UGC 6069 MCG 8-20-59 CGCG 241-51 IRAS 10565+4623 PGC 33101
NGC 3471	H972-3	Glxy Sa	13.2	UGC 6064 MCG 10-16-39 MK 158 CGCG 291-18 IRAS 10560+6147 PGC 33074
NGC 3470	H888-2	Glxy SA(r)ab:	14.1	UGC 6060 MCG 10-16-38 CGCG 291-16 PGC 33040
NGC 3458	H268-1	Glxy SAB0:	13.2	UGC 6037 MCG 10-16-26 CGCG 291-14 PGC 32854
NGC 3448	H233-1	Glxy I0	12.5	UGC 6024 MCG 9-18-55 CGCG 267-27 ARP 205 IRAS 10516+5434 PGC 32774
NGC 3445	H267-1	Glxy SAB(s)m	12.9	UGC 6021 MCG 10-16-23 CGCG 291-11 VV 14 ARP 24 IRAS 10515+5715 PGC 32772
NGC 3440	H914-3	Glxy SBb? sp	14	UGC 6009 MCG 10-16-19 CGCG 291-9 IRAS 10508+5722 PGC 32714
NGC 3435	H887-2	Glxy Sb	14	UGC 6025 MCG 10-16-22 CGCG 291-12 IRAS 10517+6132 PGC 32786
NGC 3415	H718-2	Glxy SA0+:	13.5	UGC 5969 MCG 7-22-72 CGCG 212-62 CGCG 213-1 IRAS 10488+4358 PGC 32579
NGC 4605	H254-1	Glxy SB(s)c pec	10.9	UGC 7831 MCG 10-18-74 CGCG 293-31 IRAS 12378+6152 KARA543 PGC 42408
NGC 4566	H880-3	Glxy S	13.8	UGC 7769 MCG 9-21-24 CGCG 270-12 KARA539 PGC 42007
NGC 4549	H807-3	Glxy	16.4	MCG 10-18-70 CGCG 293-30 PGC 41954
NGC 4547	H802-3	Glxy E/S0		MCG 10-18-69 CGCG 293-30 PGC 41896
NGC 4511	H834-3	Glxy Sbc	14.7	MCG 10-18-63 CGCG 293-27 SBS1229+567 PGC 41560
NGC 4500	H234-1	Glxy SB(s)a	13.1	UGC 7667 MCG 10-18-62 MK 213 CGCG 293-26 IRAS 12290+5814 PGC 41436
NGC 4384	H879-3	Glxy Sa	13.5	UGC 7506 MCG 9-20-168 MK 207 CGCG 269-55 IRAS 12227+5446 PGC 40475
NGC 4364	H801-3	Glxy S0	14.2	UGC 7479 MCG 10-18-38 CGCG 293-17 PGC 40309
NGC 4362	H800-3	Glxy S?	15.3	MCG 10-18-39 CGCG 293-18 PGC 40350
NGC 4358	H799-3	Glxy S0	16.4	MCG 10-18-37 CGCG 293-17 PGC 40314
NGC 3931	H769-3	Glxy SA0-:	14.4	NGC 3917A PGC 37073 UGC 6825 MCG 9-20-11 CGCG 269-9 CGCG 268-96
NGC 3924	H825-2	Glxy Sm:	15	UGC 6849 MCG 8-22-26 CGCG 243-23 PGC 37217
NGC 3922	H716-3	Glxy S0/a	13.8	UGC 6824 MCG 8-22-17 CGCG 243-17 CGCG 269-8 PGC 37072
NGC 3921	H788-2	Glxy (R')SA(s)0/a p	13.1	UGC 6823 MCG 9-20-9 MK 430 CGCG 268-95 CGCG 269-7 1ZW28 VV 31 ARP 224 PGC 37063
NGC 3917	H824-2	Glxy SAcd:	12.5	UGC 6815 MCG 9-20-8 CGCG 269-5 CGCG 268-93 IRAS 11481+5206 PGC 37036
NGC 3916	H787-2	Glxy SAB: sp	14.7	UGC 6819 MCG 9-20-5 CGCG 269-6 CGCG 268-94 IRAS 11481+5525 PGC 37047
NGC 3913	H786-2	Glxy (R')SA(rs)d:	13.2	IC 740 PGC 37024 UGC 6813 MCG 9-20-1 CGCG 268-92 CGCG 269-4 IRAS 11480+5537 KUG 1148+556
NGC 3898	H228-1	Glxy SA(s)ab	11.6	UGC 6787 MCG 9-19-204 CGCG 268-88 CGCG 269-2 IRAS 11465+5621 PGC 36921
NGC 3895	H832-2	Glxy SB(rs)a:	14	UGC 6785 MCG 10-17-80 CGCG 292-35 PGC 36907
NGC 3894	H248-1	Glxy E4-5	12.6	UGC 6779 MCG 10-17-78 CGCG 292-33 PGC 36889
NGC 3893	H738-2	Glxy SAB(rs)c:	11.2	UGC 6778 MCG 8-22-7 CGCG 243-8 PGC 36875
NGC 3889		Glxy S0	15.8	PGC 36662

## Ursa Major - The Great Bear

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 3888	H785-2	Glxy SAB(rs)c	12	UGC 6765 MCG 9-19-189 MK 188 CGCG 268-85 VV 455 IRAS 11449+5614 KUG 1144+562 PGC 36789
NGC 3877	H201-1	Glxy SA(s)c:	11.8	UGC 6745 MCG 8-22-2 CGCG 243-4 IRAS 11434+4746 PGC 36699
NGC 3870	H833-3	Glxy S0?	13.5	UGC 6742 MCG 8-22-1 MK 186 CGCG 268-81 IRAS 11432+5028 PGC 36686
NGC 3850	H776-3	Glxy SB(s)c:	14	UGC 6733 MCG 9-19-174 CGCG 268-79 PGC 36660
NGC 3846A		Glxy SB(s)m:	13.8	UGC 6706 MCG 9-19-169 CGCG 268-76 VV 320 KUG 1141+553B PGC 36506
NGC 3846		Glxy SAc:	14.6	UGC 6710 MCG 9-19-171 CGCG 268-78 IRAS 11417+5556 PGC 36539
NGC 3838	H831-2	Glxy SA0/a?	13.3	UGC 6707 MCG 10-17-56 CGCG 292-22 PGC 36505
NGC 3835		Glxy Sab: sp	13.2	UGC 6703 MCG 10-17-55 CGCG 292-21 IRAS 11413+6023 PGC 36493
NGC 3829	H775-3	Glxy SB(s)b:	14.8	UGC 6690 MCG 9-19-164 CGCG 268-74 IRAS 11407+5259 KUG 1140+529 PGC 36439
NGC 3824	H774-3	Glxy SA(s)a? sp	14.5	UGC 6676 MCG 9-19-161 CGCG 268-73 IRAS 11400+5303 PGC 36370
NGC 3813	H94-1	Glxy SA(rs)b:	12.2	UGC 6651 MCG 6-26-19 CGCG 186-24 PGC 36266
NGC 3809		Glxy S0	13.7	UGC 6649 MCG 10-17-40 CGCG 292-20 ARAK310 PGC 36263
NGC 3804	H830-2	Glxy SAB	13.5	
NGC 3410		Glxy S?	15.1	MCG 9-18-42 CGCG 267-21 ARAK261 PGC 32594
NGC 3408	H913-3	Glxy Sc:	14.1	UGC 5977 MCG 10-16-16 CGCG 291-6 IRAS 10490+5842 PGC 32616
NGC 3407	H919-3	Glxy S0-:	14.6	UGC 5978 MCG 10-16-17 CGCG 291-7 PGC 32626
NGC 3406		Glxy E	13.7	UGC 5970 MCG 9-18-40 CGCG 267-20 PGC 32580
NGC 3398	H792-3	Glxy Sa?	15.3	IC 646 MCG 9-18-39 CGCG 267-19 PGC 32568
NGC 3394	H872-2	Glxy SA(rs)c	13.1	UGC 5937 MCG 11-13-41 CGCG 313-36 IRAS 10473+6559 PGC 32495
NGC 3392	H881-3	Glxy E?	14.7	MCG 11-13-42 CGCG 313-37 PGC 32512
NGC 3364	H318-3	Glxy SAB(rs)c	13.5	UGC 5890 MCG 12-10-82 CGCG 333-56 IRAS 10448+7241 PGC 32314
NGC 3266	H871-2	Glxy SAB0^?	13.4	UGC 5725 MCG 11-13-30 CGCG 313-22 PGC 31198
NGC 3264		Glxy SBdm:	12.5	UGC 5719 MCG 9-17-69 CGCG 266-54 IRAS 10291+5620 PGC 31125
NGC 3259	H870-2	Glxy SAB(rs)bc:	12.9	UGC 5717 MCG 11-13-27 CGCG 313-21 IRAS 10291+6517 PGC 31145
NGC 3238	H883-2	Glxy SA(r)0^:	13.9	UGC 5649 MCG 10-15-80 CGCG 290-41 PGC 30686
NGC 3237	H631-3	Glxy (R)SAB0^	14	UGC 5640 MCG 7-22-3 CGCG 212-7 PGC 30610
NGC 3236		Glxy E/S0	15.3	MCG 10-15-81 CGCG 290-40 PGC 30711
NGC 3225	H882-2	Glxy Scd:	13.3	UGC 5631 MCG 10-15-77 CGCG 290-37 IRAS 10218+5824 PGC 30569
NGC 3220	H911-3	Glxy Sb: sp	13.8	IC 604 PGC 30462 UGC 5614 MCG 10-15-73 CGCG 290-34
NGC 3182	H265-1	Glxy SA(r)a?	13	UGC 5568 MCG 10-15-62 CGCG 290-27 PGC 30176
NGC 3168		Glxy E	14.4	UGC 5536 MCG 10-15-52 CGCG 290-23 PGC 30001
NGC 3164		Glxy S?	14.6	UGC 5527 MCG 10-15-36 CGCG 290-18 PGC 29928
NGC 3148		Glxy SB	16	MCG 8-19-11 PGC 29779
NGC 3102	H916-3	Glxy S0-:	14.3	UGC 5418 MCG 10-15-7 CGCG 289-30 CGCG 290-4 KARA396 PGC 29220
NGC 3079	H47-5	Glxy SB(s)c sp	11.5	UGC 5387 MCG 9-17-10 CGCG 266-8 IRAS 9585+5555 PGC 29050
NGC 3077	H286-1	Glxy l0 pec	9.9	UGC 5398 MCG 12-10-17 CGCG 333-13 IRAS 9592+6858 PGC 29146
NGC 3073	H853-3	Glxy SAB0-	14.1	UGC 5374 MCG 9-17-7 MK 131 CGCG 266-6 CGCG 265-54 PGC 28974
NGC 3006		Glxy Spiral	15.7	MCG 7-20-55 CGCG 210-37 PGC 28235
NGC 3005		Glxy Sb	15.8	MCG 7-20-54 IRAS 9461+4421 PGC 28232
NGC 2998	H717-2	Glxy SAB(rs)c	12.5	UGC 5250 MCG 7-20-51 CGCG 210-36 IRAS 9455+4418 PGC 28196
NGC 2985	H78-1	Glxy (R')SA(rs)ab	11.2	UGC 5253 MCG 12-10-6 CGCG 333-4 CGCG 332-67 IRAS 9459+7230 PGC 28316
NGC 2976	H285-1	Glxy SAc pec	10.8	UGC 5221 MCG 11-12-25 CGCG 312-23 KUG 943+681 PGC 28120
NGC 2961		Glxy Sb:	15.5	NGC 2959A PGC 27958 MCG 12-9-63 CGCG 332-63
NGC 2959		Glxy (R')SAB(rs)ab p	13.6	UGC 5202 MCG 12-9-62 CGCG 332-61 IRAS 9409+6849 PGC 27939

## Ursa Major - The Great Bear

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 2950	H68-4	Glxy (R)SB(r)0 <sup>^</sup>	11.8	UGC 5176 MCG 10-14-32 CGCG 289-16 PGC 27765
NGC 2814	H868-2	Glxy Sb:	13.7	UGC 4952 MCG 11-12-4 CGCG 312-3 IRAS 9170+6428 PGC 26469
NGC 2810	H749-3	Glxy E	13.2	UGC 4954 MCG 12-9-42 CGCG 332-45 PGC 26514
NGC 2805	H878-3	Glxy SAB(rs)d	11.5	UGC 4936 MCG 11-12-3 CGCG 312-2 PGC 26410
NGC 2800	H832-3	Glxy E	13.8	UGC 4920 MCG 9-15-117 CGCG 264-94 PGC 26302
NGC 2787	H216-1	Glxy SB(r)0+	11.8	UGC 4914 MCG 12-9-39 CGCG 332-41 IRAS 9148+6924 PGC 26341
NGC 2771		Glxy (R')SB(r)ab	13.6	UGC 4817 MCG 8-17-51 CGCG 264-77 PGC 25875
NGC 2769		Glxy Sa	13.9	UGC 4816 MCG 8-17-50 CGCG 264-76 PGC 25870
NGC 2768	H250-1	Glxy E6:	10.8	UGC 4821 MCG 10-13-65 CGCG 288-26 PGC 25915
NGC 5007	H848-3	Glxy S0-:	14.3	UGC 8240 MCG 10-19-42 CGCG 294-21 PGC 45605
NGC 5001		Glxy SB	14.6	UGC 8243 MCG 9-22-22 CGCG 271-20 IRAS 13074+5345 PGC 45631
NGC 4977	H780-3	Glxy SA(r)b	14.1	UGC 8196 MCG 9-22-10 CGCG 271-9 CGCG 270-53 PGC 45339
NGC 4974	H782-3	Glxy E/S0	13.9	MCG 9-22-11 CGCG 270-52 CGCG 271-8 PGC 45299
NGC 4973	H781-3	Glxy E/S0	15	IC 847 MCG 9-22-6 PGC 45280
NGC 4967	H783-3	Glxy E	15.2	MCG 9-22-5 CGCG 270-50 CGCG 271-6 PGC 45281
NGC 4964	H779-3	Glxy S?	14.2	UGC 8184 MCG 9-22-7 CGCG 294-11 KARA571 PGC 45278
NGC 4814	H243-1	Glxy SA(s)b	12.8	UGC 8051 MCG 10-19-3 CGCG 294-3 CGCG 293-44 IRAS 12532+5836 PGC 44025
NGC 4801	H816-3	Glxy L	15.4	MCG 9-21-60 CGCG 270-30 PGC 43946
NGC 4732	H814-2	Glxy E	14.9	UGC 7988 MCG 9-21-53 CGCG 270-26 PGC 43430
NGC 4695	H796-2	Glxy S	14.4	IC 3791 PGC 43173 UGC 7966 MCG 9-21-48 CGCG 270-23
NGC 4686	H795-2	Glxy Sa	13.6	UGC 7946 MCG 9-21-44 CGCG 270-21 PGC 43101
NGC 4675	H778-3	Glxy SBb:	15.2	UGC 7935 MCG 9-21-39 CGCG 270-19 IRAS 12432+5500 PGC 42998
NGC 4669		Glxy S	14.1	UGC 7925 MCG 9-21-38 CGCG 270-18 PGC 42942
NGC 4652		Glxy Sb	15.6	MCG 10-18-78 CGCG 293-35 PGC 42802
NGC 4646	H794-2	Glxy S0?	14.4	UGC 7892 MCG 9-21-31 CGCG 270-15 PGC 42740
NGC 4644	H794-2	Glxy SBb:	14.6	UGC 7887 MCG 9-21-30 CGCG 270-14 PGC 42708
NGC 2684	H712-3	Glxy S?	13.6	UGC 4662 MCG 8-16-35 CGCG 237-24 IRAS 8514+4921 PGC 25024
NGC 2681	H242-1	Glxy (R')SAB(rs)0/a	11.1	UGC 4645 MCG 9-15-41 CGCG 264-26 ARAK185 IRAS 8500+5130 PGC 24961
NGC 2675		Glxy E	14.3	UGC 4629 MCG 9-15-37 CGCG 264-21 PGC 24909
NGC 2656		Glxy SA0- pec:	14.9	MCG 9-15-25 CGCG 264-15 VV 703 PGC 24707
NGC 2654		Glxy SBab: sp	12.7	UGC 4605 MCG 10-13-17 CGCG 288-6 IRAS 8451+6024 KARA285 PGC 24784
NGC 2650	H908-2	Glxy SB(rs)b:	14.1	UGC 4603 MCG 12-9-20 CGCG 332-18 PGC 24817
NGC 2641	H983-3	Glxy S0:	14.6	UGC 4577 MCG 12-9-12 CGCG 331-65 CGCG 332-12 PGC 24722
NGC 2639	H204-1	Glxy (R)SA(r)a:?	12.6	UGC 4544 MCG 8-16-24 CGCG 237-14 IRAS 8400+5023 PGC 24506
NGC 2710	H841-3	Glxy SB(rs)b	13.7	UGC 4705 MCG 9-15-66 CGCG 264-46 IRAS 8560+5554 PGC 25258
NGC 2701	H66-4	Glxy SAB(rs)c:	12.7	UGC 4695 MCG 9-15-63 CGCG 264-43 IRAS 8554+5357 PGC 25237
NGC 2694		Glxy E1	15.4	MCG 9-15-56 CGCG 264-34 PGC 25143
NGC 2693	H823-2	Glxy E3:	12.8	UGC 4674 MCG 9-15-55 CGCG 264-35 PGC 25144
NGC 2692	H831-3	Glxy SBab:	14.2	UGC 4675 MCG 9-15-57 CGCG 264-36 PGC 25142
NGC 2687B		Glxy S	17.4	NGC 2687-2 PGC 25030 MCG 8-16-39 VV 765
NGC 2687A		Glxy S	18	NGC 2687-1 PGC 25031 MCG 8-16-38 VV 765
NGC 2686B		Glxy		NGC 2686-2 PGC 25025 MCG 8-16-37 VV 765
NGC 2686A		Glxy	16.2	NGC 2686-1 PGC 25026 MCG 8-16-36 VV 765
NGC 2603		Glxy S	15.2	
NGC 2606		Glxy Sbc	15.1	NGC 2603 MCG 9-14-72 CGCG 263-59 PGC 24117

## Ursa Major - The Great Bear

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 2614		Glxy SA(r)c:	13.6	UGC 4523 MCG 12-9-5 CGCG 331-58 CGCG 332-5 IRAS 8373+7309 PGC 24473
NGC 2630		Glxy Sbc	15.2	
NGC 2629	H982-3	Glxy SA(r)0^:	13.3	UGC 4569 MCG 12-9-10 CGCG 331-62 CGCG 332-9 PGC 24682
NGC 2602		Glxy	15.6	MCG 9-14-69 CGCG 263-56 ARAK169 PGC 24099
IC 2458		Glxy I0 pec:	15	MCG 11-12-5 UGC A159 MK 108 CGCG 312-4 7ZW276 PGC 26485
IC 2600		Glxy S	15.6	MCG 12-10-75 CGCG 333-52 PGC 32151
IC 2601		Glxy S	15.5	MCG 12-10-78 CGCG 333-53 PGC 32187
IC 2738		Glxy S?	15.3	MCG 6-25-49 CGCG 185-42 PGC 34797
IC 2751		Glxy Sb	15.7	MCG 6-25-54 CGCG 185-47 PGC 34873
IC 2978		Glxy Sc	15.1	UGC 6915 MCG 5-28-51 CGCG 157-57 KUG 1153+323 PGC 37515
IC 2979		Glxy SB0	14.5	UGC 6925 MCG 5-28-54 CGCG 157-59 PGC 37559
IC 2943		Glxy Sa?	15.3	MK 41 CGCG 268-62 KUG 1133+551 PGC 35926
MAC 1052+5524		Glxy	16	
MAC 1052+5050		Glxy	16	
MAC 1051+5523		Glxy	16	
MAC 1051+5055		Glxy	16	
MAC 1047+7221		Glxy	16	
MAC 1047+7220A		Glxy	16	
MAC 1046+7227		Glxy	15	
MAC 1043+4053		Glxy	16	
MAC 1039+4754		Glxy	16.5	
MAC 1110+2841A		Glxy	15.5	
MAC 1110+2840		Glxy	15.5	
MAC 1110+2837		Glxy	16	
MAC 1110+2834		Glxy	16	
MAC 1110+2833		Glxy	15.5	
MAC 1110+2830		Glxy	16.5	
MAC 1110+2829		Glxy	16	
MAC 1110+2828C		Glxy	15.5	
MAC 1110+2828B		Glxy	17	
MAC 1110+2848		Glxy	17	
MAC 1110+2847		Glxy	15.5	
MAC 1110+2845B		Glxy	16.5	
MAC 1110+2845A		Glxy	16	
MAC 1110+2844A		Glxy	16	
MAC 1110+2844		Glxy	16	
MAC 1110+2843B		Glxy	17	
MAC 1110+2843A		Glxy	17	
MAC 1110+2842D		Glxy	17	
MAC 1115+2904		Glxy	15.5	
MAC 1111+2849		Glxy	16	
MAC 1111+2848		Glxy	16	
MAC 1111+2845B		Glxy	16	
MAC 1111+2843B		Glxy	16.5	
MAC 1111+2842		Glxy	16.5	

## Ursa Major - The Great Bear

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC 1111+2841		Glxy	17	
MAC 1111+2840		Glxy	16	
MAC 1111+2838		Glxy	16.5	
MAC 1116+2915A		Glxy	15	
MAC 1116+2914		Glxy	15	
MAC 1116+2912		Glxy	17	
MAC 1116+2911		Glxy	17.5	
MAC 1116+2910		Glxy	15.5	
MAC 1116+2909B		Glxy	16	
MAC 1116+2909A		Glxy	17	
MAC 1116+2909		Glxy	17	
MAC 1116+2908		Glxy	16.5	
MAC 1404+5423B		Glxy	15.5	
MAC 1355+5930		Glxy	16	
MAC 1355+5927A		Glxy	16.5	
MAC 1354+5428		Glxy	16.5	
MAC 1354+5416		Glxy	16.5	
MAC 1353+5838		Glxy	16.5	
MAC 1344+5542		Glxy	16.5	
MAC 1344+5537		Glxy	16	
MAC 1343+5538C		Glxy	17	
MAC 1343+5538B		Glxy	16.5	
MAC 1343+5538A		Glxy	16.5	
MAC 1343+5537A		Glxy	16.5	
MAC 1342+5536		Glxy	16	
MAC 1342+5531B		Glxy	16	
MAC 1342+5531A		Glxy	16.5	
MAC 1332+6240		Glxy	16.5	
MAC 1332+6234		Glxy	15.5	
MAC 1330+5829		Glxy	16	
MAC 1329+5826		Glxy	16.5	
MAC 1326+5529		Glxy	16	
MAC 1309+5322		Glxy	15.5	
MAC 1306+5339		Glxy	16	
MAC 1306+5332		Glxy	16	
MAC 1306+5331		Glxy	16	
MAC 1306+5328		Glxy	16	
MAC 1305+5342		Glxy	17	
MAC 1305+5341		Glxy	16.5	
MAC 1243+5453		Glxy	16.1	
MAC 1223+5814		Glxy	16	
MAC 1219+5643		Glxy	17	
MAC 1204+5150		Glxy	15.5	
MAC 1204+5147		Glxy	16	
MAC 1203+5149		Glxy	16	

## Ursa Major - The Great Bear

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC 1158+4349A		Glxy	16.5	
MAC 1157+4349C		Glxy	16	
MAC 1157+3622		Glxy	15.5	ARP 194
MAC 1157+3621		Glxy	16	
MAC 1151+5200		Glxy	17	
MAC 1150+5157		Glxy	15.5	
MAC 1147+5559		Glxy	16	
MAC 1145+5548		Glxy	15.5	
MAC 1144+5537		Glxy	15.5	
MAC 1144+5534		Glxy	16	
MAC 1136+5508B		Glxy	15.5	
MAC 1136+5503		Glxy	15	
MAC 1135+5457B		Glxy	16	
MAC 1135+5457A		Glxy	16.5	
MAC 1135+5456B		Glxy	16	
MAC 1135+5456A		Glxy	16.5	
MAC 1135+5455		Glxy	15.5	
MAC 1135+4917		Glxy	16	
MAC 1135+4912		Glxy	17	
MAC 1135+4905C		Glxy	16	
MAC 1135+4905B		Glxy	16	
MAC 1135+4904		Glxy	16.5	
MAC 1135+4856		Glxy	16	
MAC 1134+4907B		Glxy	16	
MAC 1134+4907A		Glxy	17	
MAC 1134+4906B		Glxy	16	
MAC 1134+4905B		Glxy	16	
MAC 1134+4904B		Glxy	16	
MAC 1134+4904A		Glxy	18	
MAC 1133+5308		Glxy	16.5	
MAC 1133+5307B		Glxy	16.5	
MAC 1133+5307A		Glxy	16.5	
MAC 1132+5307		Glxy	16.5	
MAC 1128+5837		Glxy	16.5	ARP 296
MAC 1126+5706		Glxy	15.5	
MAC 1125+5423		Glxy	16	
MAC 1123+5350		Glxy	15.5	
MAC 1122+3749		Glxy	15.5	
MAC 1122+3438		Glxy	17	
MAC 1122+3423		Glxy	16	
MAC 1122+3421		Glxy	15	
MAC 1122+3416		Glxy	16	
MAC 1122+3411		Glxy	15	
MAC 1122+3406		Glxy	15.5	
MAC 1122+3401		Glxy	14.5	

## Ursa Major - The Great Bear

Observed: Yes

<b>Object</b>	<b>Her</b>	<b>Type</b>	<b>Mag</b>	<b>Alias/Notes</b>
MAC 1121+3437		Glxy	16.5	
MAC 1121+3434		Glxy	16.5	
MAC 1121+3432		Glxy	15.5	
MAC 1121+3430		Glxy	16	
MAC 1121+3421		Glxy	16	
MAC 1121+3418		Glxy	16.5	
MAC 1121+3415		Glxy	16.5	
MAC 1121+3412B		Glxy	15.5	
MAC 1121+3412A		Glxy	15.5	
MAC 1121+3411		Glxy	14.5	
MAC 1121+3408		Glxy	16	
MAC 1121+3406		Glxy	17	
MAC 1121+3402		Glxy	16	
MAC 1121+3357A		Glxy	17	
MAC 1121+3357		Glxy	16	
MAC 1120+5749		Glxy	16	
MAC 1120+3437A		Glxy	16.5	
MAC 1120+3437		Glxy	15.5	
MAC 1120+3435		Glxy	16.5	
MAC 1120+3433A		Glxy	16.5	
MAC 1120+3433		Glxy	17	
MAC 1120+3429		Glxy	14.5	
MAC 1120+3424		Glxy	15	
MAC 1120+3408		Glxy	16	
MAC 1120+3407		Glxy	15.5	
MAC 1120+3110		Glxy	16	
MAC 1119+3419		Glxy	16	
MAC 1117+2908		Glxy	15.5	
MAC 1117+2905		Glxy	15.5	
MAC 1116+2926		Glxy	15.5	
MAC 1116+2922		Glxy	16	
MAC 1116+2919B		Glxy	16.5	
MAC 1116+2919A		Glxy	16	
MAC 1116+2918		Glxy	16	
MAC 1116+2915B		Glxy	16	
MAC 1116+2906		Glxy	17	
MAC 1116+2904		Glxy	16	
MAC 1115+5548		Glxy	16	
MAC 1115+5539B		Glxy	16	
MAC 1115+2918		Glxy	16.5	
MAC 1115+2916B		Glxy	16	
MAC 1115+2915		Glxy	16	
MAC 1115+2914		Glxy	16.5	
MAC 1111+2836B		Glxy	16.5	
MAC 1111+2836A		Glxy	16	

## Ursa Major - The Great Bear

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC 1111+2835D		Glxy	17	
MAC 1111+2835A		Glxy	16	
MAC 1111+2834		Glxy	16	
MAC 1111+2832		Glxy	16	
MAC 1111+2831		Glxy	16	
MAC 1111+2830		Glxy	16	
MAC 1110+2842C		Glxy	15.5	
MAC 1110+2842B		Glxy	15.5	
MAC 1110+2842A		Glxy	15	
MAC 1110+2841F		Glxy	16	
MAC 1110+2841E		Glxy	15.5	
MAC 1110+2841D		Glxy	17	
MAC 1110+2841C		Glxy	15.5	
MAC 1110+2841B		Glxy	15.5	
MAC 1110+2828A		Glxy	16	
MAC 1110+2827		Glxy	15	
MAC 1109+2816A		Glxy	17	
MAC 1108+5721		Glxy	16.5	
MAC 1108+5708		Glxy	16.5	
MAC 1107+5720		Glxy	16	
MAC 1103+4050		Glxy	16.5	ARP 148
MAC 1100+5743		Glxy	16	
MAC 1027+6826		Glxy	15.1	
MAC 1002+5355		Glxy	16	
MAC 0932+5730		Glxy	15	
MAC 0900+5040		Glxy	16	
MAC 0855+4904A		Glxy	16.5	
MAC 0835+5247		Glxy	16.5	
IC 2744		Glxy S0?	15.4	MCG 6-25-52 CGCG 185-45 PGC 34833
IC 2735		Glxy Sab	15.4	UGC 6364 MCG 6-25-48 CGCG 185-41 IRAS 11184+3436 PGC 34772
IC 2574		Glxy SAB(s)m	10.8	UGC 5666 MCG 12-10-38 DDO81 CGCG 333-31 7ZW330 IRAS 10251+6843 PGC 30819

**Sub Total: 769****Total: 951**

## Ursa Minor - The Little Bear

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 5385		Non-Existent		
IC 1164		Non-Existent		(STAR)
IC 1204		Non-Existent		
IC 1114		Non-Existent		(STAR)
IC 4404		Non-Existent		NGC 5547
IC 1005		Non-Existent		
NGC 5808		Non-Existent		

**Sub Total: 7**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 945		Glxy S	15.7	MCG 12-13-12 CGCG 336-19 PGC 48940
IC 1129		Glxy Scd:	13.8	UGC 9899 MCG 11-19-10 CGCG 319-19 IRAS 15316+6825 PGC 55330
IC 1143		Glxy E	14.2	UGC 9932 MCG 14-7-22 CGCG 366-18 PGC 55279
IC 1187		Glxy L	15.7	MCG 12-15-40 CGCG 338-34 PGC 56589
IC 1154		Glxy E	14.3	UGC 10088 MCG 12-15-35 CGCG 338-29 PGC 56273
IC 1145		Glxy Sbc	15	UGC 10032 MCG 12-15-15 CGCG 338-15 IRAS 15445+7235 PGC 55904
IC 1139		Glxy	15.6	CGCG 366-17 PGC 55236
IC 1110		Glxy Sa	14.9	UGC 9773 MCG 11-19-1 CGCG 318-22 CGCG 319-4 KARA666 PGC 54265
IC 954		Glxy Pec	14.5	UGC 8765 MCG 12-13-18 CGCG 336-24 7ZW527 PGC 49083
IC 1046		Glxy Sc	14.8	MCG 12-14-11 CGCG 337-17 PGC 52284
IC 1083		Glxy S	15.3	MCG 12-14-14 CGCG 337-24 PGC 53362
IC 4470		Glxy S	15	MCG 13-10-19 CGCG 354-3 CGCG 353-40 PGC 51696
MAC 1348+7234		Glxy	16	
IC 4660		Glxy S	14.5	UGC 10848 MCG 13-12-23 CGCG 355-32 IRAS 17235+7553 PGC 60124
MAC 1349+7239		Glxy	15	
MAC 1642+8134		Glxy	16	
MAC 1646+8122		Glxy	16	
MAC 1647+8134		Glxy	16.5	
MAC 1705+7828		Glxy	15.5	
MAC 1704+7848		Glxy	15.5	
MAC 1704+7837		Glxy	16.5	
MAC 1703+7837A		Glxy	16	
MAC 1703+7837		Glxy	16.1	
MAC 1702+7845B		Glxy	16.1	
MAC 1702+7845A		Glxy	16.5	
MAC 1701+7905		Glxy	16.5	
MAC 1701+7841		Glxy	16.1	
MAC 1710+7832		Glxy	16.1	
MAC 1709+7852		Glxy	16.5	
MAC 1709+7842		Glxy	15.5	
MAC 1708+7850		Glxy	15.5	
MAC 1708+7829		Glxy	15.5	
MAC 1707+7853		Glxy	16.1	

## Ursa Minor - The Little Bear

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
MAC 1707+7841		Glxy	16.1	
MAC 1707+7836		Glxy	16.5	
MAC 1706+7830		Glxy	16	
MAC 1706+7825		Glxy	16.1	
MAC 1705+7851		Glxy	16.1	
MAC 1705+7838B		Glxy	16.5	
MAC 1705+7838A		Glxy	16.5	
MAC 1701+7836		Glxy	16.5	
MAC 1701+7831		Glxy	16.5	
MAC 1700+7905		Glxy	16	
MAC 1700+7847		Glxy	16	
MAC 1658+7831		Glxy	16.5	
MAC 1658+7829		Glxy	16.1	
MAC 1658+7825		Glxy	16.5	
MAC 1657+7833		Glxy	15.5	
MAC 1653+8138		Glxy	16	
MAC 1651+8130		Glxy	15	
MAC 1649+8136		Glxy	16.5	
MAC 1649+8128B		Glxy	17.5	
MAC 1649+8128		Glxy	16	
MAC 1648+8136		Glxy	15	
MAC 1648+8125A		Glxy	16	
MAC 1648+8125		Glxy	15.5	
MAC 1646+8125		Glxy	15.5	
MAC 1643+8127		Glxy	16	
MAC 1352+7818		Glxy	16	
NGC 3172		Glxy Sb	14.8	Polarissima Borealis PGC 36847
NGC 5344		Glxy	15.4	CGCG 336-26 PGC 49085
NGC 5712	H950-3	Glxy	15.3	MCG 13-10-21 CGCG 353-42 CGCG 354-5 7ZW553 PGC 51799
NGC 5671	H882-3	Glxy SB(r)b	14.1	UGC 9297 MCG 12-14-6 CGCG 337-14 IRAS 14268+6955 PGC 51641
NGC 5620	H319-3	Glxy	15	MCG 12-14-2 CGCG 337-10 PGC 51356
NGC 5607	H331-2	Glxy Pec	13.9	UGC 9189 MCG 12-14-1 MK 286 CGCG 337-7 7ZW547 IRAS 14188+7148 PGC 51182
NGC 5547	H948-3	Glxy Double System	14.5	IC 4404 UGC 9095 CGCG 353-31 IRAS 14101+7850 PGC 50543
NGC 5479		Glxy E/S0	15.1	MCG 11-17-19 CGCG 317-16 PGC 50282
NGC 5452	H947-3	Glxy SAB(s)d	13.9	UGC 8867 MCG 13-10-14 CGCG 353-28 PGC 49426
NGC 5415		Glxy	15	CGCG 336-32 PGC 49610
NGC 5412		Glxy S0-	14.4	UGC 8905 CGCG 336-33 PGC 49644
NGC 6068	H973-3	Glxy SBbc?	13.6	UGC 10126 MCG 13-11-19 CGCG 354-31 CGCG 355-5 ARAK492 IRAS 15575+7908 KAZ53 PGC 56388
NGC 6048	H873-2	Glxy E	13.3	UGC 10124 MCG 12-15-38 CGCG 338-32 PGC 56484
NGC 6011	H313-3	Glxy Sb	14.3	UGC 10047 MCG 12-15-16 CGCG 338-17 PGC 56008
NGC 5939		Glxy S?	14	UGC 9854 MCG 12-15-7 CGCG 338-8 IRAS 15244+6854 PGC 55022
NGC 5912	H944-3	Glxy E?	14.7	MCG 13-11-11 CGCG 354-22 PGC 54237
NGC 5909	H943-3	Glxy S?	14.7	UGC 9778 MCG 13-11-10 CGCG 354-21 PGC 54223
NGC 5836	H312-3	Glxy SB(rs)b	14.7	UGC 9664 MCG 12-14-16 CGCG 337-26 7ZW576 PGC 53554

## Ursa Minor - The Little Bear

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 5832	H332-2	Glxy SB(rs)b?	12.9	UGC 9649 MCG 12-14-15 CGCG 337-25 IRAS 14575+7152 KAZ409 KARA656 PGC 53469
NGC 5819	H311-3	Glxy SAB(rs)bc	14.3	UGC 9609 CGCG 337-23 IRAS 14540+7319 PGC 53251
NGC 6331	H951-3	Glxy E	15.4	MCG 13-12-15 CGCG 355-24 PGC 59513
NGC 6324	H945-3	Glxy S?	13.8	UGC 10725 MCG 13-12-16 CGCG 355-25 ARAK517 IRAS 17070+7528 KAZ120 PGC 59583
NGC 6252	H975-3	Glxy S R	15.2	MCG 14-8-11 CGCG 367-14 PGC 58456
NGC 6251	H974-3	Glxy E	13.6	UGC 10501 MCG 14-8-10 CGCG 367-13 PGC 58472
NGC 6217	H280-1	Glxy (R)SB(rs)bc	11.8	UGC 10470 MCG 13-12-8 CGCG 355-14 ARP 185 IRAS 16350+7818 KAZ73 PGC 58477
NGC 6094	H314-3	Glxy S0	14.2	UGC 10228 MCG 12-15-52 CGCG 338-45 PGC 57167
NGC 6091		Glxy	14.7	MCG 12-15-54 CGCG 338-47 PGC 57242
NGC 6079	H884-3	Glxy E	13.7	IC 1200 PGC 56946 UGC 10206 MCG 12-15-50 CGCG 338-43
NGC 6071	H883-3	Glxy SB(s)b	14.8	UGC 10157 MCG 12-15-43 CGCG 338-37 IRAS 16011+7044 PGC 56674
NGC 6068A		Glxy S0? sp	15	MCG 13-11-17 CGCG 354-30 CGCG 355-4 KAZ52 PGC 56363
NGC 5340		Glxy S	15.2	MCG 12-13-13 CGCG 336-22 PGC 49012
NGC 5034	H909-3	Glxy S?	14.2	UGC 8295 MCG 12-13-1 CGCG 336-3 IRAS 13107+7054 PGC 45859
NGC 5262		Glxy S0-:	14.8	UGC 8606 CGCG 353-22 PGC 47923
NGC 5314		Glxy S?	14.7	MCG 12-13-9 CGCG 336-17 PGC 48810
NGC 5323	H899-2	Glxy Sab	14.4	UGC 8719 MCG 13-10-12 CGCG 353-25 IRAS 13451+7704 PGC 48785
NGC 5144	H70-4	Glxy SA? pec	13.4	UGC 8420 MCG 12-13-5 MK 256 CGCG 336-8 7ZW511 IRAS 13214+7046 KUG 1321+707 PGC 46742
NGC 4972	H937-3	Glxy S0?	14.2	NGC 4954 PGC 44988 UGC 8157 MCG 13-9-44 CGCG 353-8 CGCG 352-53 IRAS 13009+7540 KAZ248
PGC 47875		Glxy Sab	15.6	UGC 8595 CGCG 353-21
PGC 58861		Glxy S	17.2	Hickson 84D
PGC 59480		Glxy		
PGC 59458		Glxy S	15.3	UGC 10704 MCG 13-12-14 CGCG 355-23
PGC 59443		Glxy		
PGC 59212		Glxy E	15.4	UGC 10638 MCG 14-8-17 CGCG 367-21
PGC 59211		Glxy L		UGC 10638 MCG 14-8-18
PGC 59179		Glxy E	15.6	UGC 10638 MCG 14-8-16
PGC 59174		Glxy		UGC 10638
PGC 59157		Glxy Chain	15.7	UGC 10638 MCG 14-8-13 CGCG 367-18
PGC 59143		Glxy E	15.5	UGC 10638 MCG 14-8-15 CGCG 367-19
QSO 1458+718		Glxy Quasar	16.8	Quasar 3C 309.1
PGC 59693		Glxy		IRAS 17118+7849
PGC 59590		Glxy		
PGC 59584		Glxy S	16	MCG 13-12-20
PGC 59563		Glxy E		MCG 13-12-19
PGC 59545		Glxy E	15	UGC 10726 MCG 13-12-18 CGCG 355-27
PGC 59539		Glxy L	15.6	MCG 13-12-17 CGCG 355-26
PGC 59530		Glxy		
PGC 59523		Glxy		
PGC 59122		Glxy		UGC 10638 CGCG 367-19
PGC 59120		Glxy		UGC 10638 CGCG 367-19
PGC 59011		Glxy S	15.6	UGC 10604 MCG 14-8-14 CGCG 367-17
PGC 58953		Glxy S	16.4	MCG 14-8-12

## Ursa Minor - The Little Bear

Observed: Yes

<b>Object</b>	<b>Her</b>	<b>Type</b>	<b>Mag</b>	<b>Alias/Notes</b>
PGC 58884		Glxy S	16.2	Hickson 84C
PGC 58881		Glxy S	17.2	Hickson 84E
PGC 58877		Glxy S0?	15.4	CGCG 355-20 Hickson 84A
PGC 58873		Glxy S	16.5	Hickson 84B
PGC 58856		Glxy S	17.2	Hickson 84F
PGC 48793		Glxy C	15.6	CGCG 336-16 7ZW524
PGC 49217		Glxy	16.4	7ZW531
PGC 55378		Glxy Sbc	15.1	UGC 9950 MCG 14-7-23 CGCG 366-19
PGC 55677		Glxy Sc	15.4	UGC 10008 MCG 14-7-27 CGCG 366-22 CGCG 367-3
PGC 48867		Glxy Sb	15	UGC 8732 MCG 12-13-10 CGCG 336-18

**Sub Total: 130****Total: 137**

## Vela - The Sails of the Argo

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 2547		Open Cl 7.0 I 3 r n	4.7	
IC 2391		Open Cl 4.0 II 3 m	2.6	the Omicron Vel Cl.
NGC 2659		Open Cl 10.0 III 2 r	8.6	
NGC 3256B		Glxy SB(s)bc:	13.8	ESO 263-39 MCG -7-22-14 IRAS 10268-4408 PGC 30867
NGC 3256		Glxy Pec	12.2	ESO 263-38 MCG -7-22-10 VV 65 IRAS 10257-4338 PGC 30785
NGC 3250B		Glxy SBa pec?	13.7	ESO 317-29 MCG -7-22-9 IRAS 10255-4010 PGC 30775
NGC 3256A		Glxy SB(s)m pec:	15	ESO 263-34 PGC 30626
NGC 3228		Open Cl 7.9 II 3 p	6	
NGC 3201		Globular	6.9	
NGC 3105		Open Cl 12.4 I 2 p	9.7	
NGC 3033		Open Cl 10.6 II 2 m	8.8	
NGC 2910		Open Cl 9.3 III 3 m	7.2	
NGC 3482		Glxy (R')SB(rs)a	13.2	ESO 264-56 PGC 33025
NGC 3446		Open Cl cluster?		
NGC 3330		Open Cl 8.8 III 2 m	7.4	
NGC 3318B		Glxy SB(s)c	13.9	ESO 317-53 MCG -7-22-27 IRAS 10353-4112 PGC 31565
NGC 3318		Glxy SAB(rs)b	12.2	ESO 317-52 MCG -7-22-26 IRAS 10350-4122 PGC 31533
NGC 3318A		Glxy SAB(rs)c:	15.8	ESO 317-50 PGC 31373
NGC 3366		Glxy (R')SB(r)b:	12	IC 2592 PGC 31335 ESO 264-7 MCG -7-22-24 IRAS 10329-4325
IC 2592		Non-Existent		NGC 3366 ESO 264-7 MCG -7-22-24 IRAS 10329-4325 PGC 31335
NGC 3283		Non-Existent		
NGC 3263		Glxy SB(rs)cd: sp	12.5	ESO 263-43 MCG -7-22-18 IRAS 10270-4351 PGC 30887
NGC 3262		Glxy SAB(rs)0+ pec	14.2	ESO 263-42 MCG -7-22-17 PGC 30876
NGC 3256C		Glxy SB(rs)d	13.3	ESO 263-41 MCG -7-22-16 FAIR431 IRAS 10269-4335 PGC 30873
NGC 3261		Glxy SB(rs)b	12	ESO 263-40 MCG -7-22-15 IRAS 10268-4423 PGC 30868
IC 2488		Open Cl 10.0 II 3 r	7.4	
NGC 2899		PI Neb	12.2	
IC 2484		Non-Existent		
NGC 2866		Open Cl I 2 m	10.2	
NGC 2849		Open Cl I 1 m	12.5	
NGC 2845		Glxy SA(r)0/a:	12.9	ESO 314-10 MCG -6-21-2 IRAS 9166-3747 PGC 26306
NGC 2792		PI Neb 4	13.5	ESO 314-6 Henize 2-20 Sanduleak 2-36
NGC 2736		Nebula E		
NGC 2999		Non-Existent		
NGC 2995		Non-Existent		
NGC 2982		Open Cl 10.0 III 1 p		
NGC 2972		Open Cl 11.4 II 1 p	9.9	
NGC 2932		Non-Existent		
NGC 2925		Open Cl II 3 m	8.3	
NGC 2671		Open Cl I 2 m	11.6	
NGC 2669		Open Cl 7.7 III 3 m	6.1	
NGC 2670		Open Cl 13.0 III 2 m	7.8	
NGC 2660		Open Cl 13.0 I 1 r	8.8	
IC 2395		Open Cl 5.5 II 3 m	4.6	
NGC 2626		Nebula E+R		

## Vela - The Sails of the Argo

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 2645		Open Cl 9.0 II 3 p	7	
<i>Sub Total: 46</i>				

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 3132		PI Neb 4+2	8.2	Eight-burst Planetary
<i>Sub Total: 1</i>				
<i>Total: 47</i>				

## Virgo - The Virgin

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 1480		Non-Existent		
NGC 3979		Glxy SB0 <sup>^</sup> pec:	13.7	IC 2976 PGC 37488 UGC 6907 MCG 0-31-3 CGCG 13-5
IC 2976		Non-Existent		NGC 3979 UGC 6907 MCG 0-31-3 CGCG 13-5 PGC 37488
NGC 3976	H132-2	Glxy SAB(s)b	12.3	UGC 6906 MCG 1-31-1 CGCG 41-6 IRAS 11533+701 PGC 37483
IC 745		Glxy S0	14.2	UGC 6877 MCG 0-30-34 MK 1308 CGCG 12-114 ARAK332 UM465 PGC 37339
IC 2975		Non-Existent		
IC 2974		Glxy SA(s)c? sp	13.5	MCG -1-30-45 IRAS 11512-453 PGC 37304
NGC 3952	H612-3	Glxy IBm: sp	13.5	IC 2972 PGC 37285 MCG -1-30-44 IRAS 11510-342
IC 2972		Non-Existent		NGC 3952 MCG -1-30-44 IRAS 11510-342 PGC 37285
IC 2969		Glxy SB(r)bc?	14	MCG -1-30-40 IRAS 11499-335 PGC 37196
NGC 4063		Glxy SAB0 <sup>^</sup> :	14.9	UGC 7042 MCG 0-31-26 CGCG 13-55 PGC 38154
NGC 4058		Glxy SAB(r)0 <sup>+</sup> :	14.1	UGC 7036 MCG 1-31-17 CGCG 41-32 PGC 38124
IC 2988		Non-Existent		(STAR)
IC 756		Glxy (R')SA(s)c:	14.3	UGC 7026 MCG 1-31-15 CGCG 41-29 PGC 38054
NGC 4045A		Glxy SB(r)0 <sup>^</sup> pec sp	14.4	MCG 0-31-21 CGCG 13-45 ARAK343 PGC 38033
NGC 4046		Non-Existent		NGC 4045 PGC 38031 UGC 7021 MCG 0-31-22 CGCG 13-46 IRAS 12001+215
NGC 4044	H491-3	Glxy E+:	14	UGC 7018 MCG 0-31-20 CGCG 13-43 PGC 38018
NGC 4043		Glxy (R)SB(r)0 <sup>^</sup> :	14.6	UGC 7015 MCG 1-31-12 CGCG 41-26 IRAS 11597+437 PGC 38010
NGC 4029		Glxy Sb:	14.3	UGC 6990 MCG 1-31-8 CGCG 41-17 PGC 37816
NGC 4116		Glxy SB(rs)dm	12.4	UGC 7111 MCG 1-31-22 CGCG 41-41 UM476 IRAS 12050+258 PGC 38492
IC 3006		Non-Existent		(STAR)
IC 3004		Glxy S R	15.6	MCG 2-31-30 CGCG 69-54 PGC 38457
NGC 4107		Non-Existent		
IC 2994		Glxy	15.5	CGCG 69-47 PGC 38291
NGC 4083		Glxy L	15.3	MCG 2-31-24 CGCG 69-44 PGC 38275
IC 2991		Glxy S	15.9	MCG 2-31-25 CGCG 69-45 PGC 38273
NGC 4082		Glxy	15.4	MCG 2-31-26 CGCG 69-46 PGC 38274
NGC 4079		Glxy (R')SAB(rs)bc:	13.2	UGC 7067 MCG 0-31-34 CGCG 13-67 IRAS 12022-206 PGC 38240
IC 3315		Glxy		
NGC 4376	H530-2	Glxy Im	13.9	UGC 7498 MCG 1-32-53 CGCG 42-93 VCC787 IRAS 12227+601 PGC 40494
IC 3303		Glxy E+?	14.8	UGC 7500 MCG 2-32-35 CGCG 70-60 VCC781 PGC 40485
IC 3305		Glxy S	15.1	UGC 7499 MCG 2-32-36 CGCG 70-59 VCC786 PGC 40488
IC 3291		Glxy		
NGC 4368	H38-3	Non-Existent		
IC 3284		Glxy SBR	15.3	CGCG 70-55 VCC736 PGC 40400
NGC 4367		Non-Existent		
IC 3281		Non-Existent		
IC 3280		Glxy S?	15	
IC 3279		Non-Existent		(STAR)
NGC 4360A		Non-Existent		
NGC 4360		Glxy E	13.3	UGC 7484 MCG 2-32-28 CGCG 70-52 VCC722 PGC 40363
IC 3275		Glxy		
IC 3273		Non-Existent		UGC 7482 MCG 2-32-26 CGCG 70-48 VCC713 IRAS 12217+848 PGC 40342
IC 3274		Glxy S0?	15.6	MCG 2-32-27 CGCG 70-50 VCC715 PGC 40344
NGC 4360B		Non-Existent		

## Virgo - The Virgin

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 3271		Glxy SABc	14.5	UGC 7481 MCG 1-32-47 CGCG 42-82 VCC712 PGC 40337
IC 3268		Glxy Pec	14.1	UGC 7477 MCG 1-32-45 CGCG 42-80 VCC699 IRAS 12215+653 PGC 40321
IC 3267		Glxy SA(s)cd	14.2	UGC 7474 MCG 1-32-44 CGCG 42-79 VCC697 PGC 40317
NGC 4352	H64-2	Glxy SA0: sp	13.5	UGC 7475 MCG 2-32-23 CGCG 70-44 VCC698 PGC 40313
NGC 4354		Non-Existent		NGC 4351 PGC 40306 UGC 7476 MCG 2-32-24 CGCG 70-45 VCC692 IRAS 12214+1229 KUG 1221+124
NGC 4351		Glxy SBab/	12.2	
NGC 4353		Glxy IBm:	14.4	IC 3266 PGC 40303 IC 3265 MCG 1-32-43 CGCG 42-77 VCC688
IC 3266		Non-Existent		IC 3265 MCG 1-32-43 CGCG 42-77 VCC688 PGC 40303
IC 3265		Non-Existent		(STAR)
NGC 4347		Non-Existent		
IC 3261		Glxy		
NGC 4348	H625-2	Glxy SABc: sp	13.3	MCG 0-32-3 CGCG 14-23 IRAS 12213-310 KARA527 PGC 40284
NGC 4341	H95-3	Glxy SAB(s)0^ sp	14.2	IC 3260 PGC 40280 UGC 7472 MCG 1-32-42 CGCG 42-76 VCC672
IC 3260		Non-Existent		UGC 7472 MCG 1-32-42 CGCG 42-76 VCC672 PGC 40280
IC 3259		Glxy SAB(s)dm?	14.2	UGC 7469 MCG 1-32-40 CGCG 42-72 VCC667 PGC 40273
IC 3257		Non-Existent		
IC 3258		Glxy IB(s)m pec:	13.6	UGC 7470 MCG 2-32-21 CGCG 70-42 VCC664 IRAS 12211+1245 KUG 1221+127 PGC 40264
IC 3256		Non-Existent		UGC 7466 MCG 1-32-39 CGCG 42-71 ARAK361 VCC657 PGC 40252
IC 3255		Glxy C	15	CGCG 70-40 VCC649 8ZW185 PGC 40241
NGC 4334		Glxy SB(s)ab	13.9	UGC 7458 MCG 1-32-35 CGCG 42-66 VCC638 IRAS 12208+744 PGC 40218
NGC 4333	H142-2	Glxy SB(s)ab	14.5	MCG 1-32-34 CGCG 42-65 VCC637 PGC 40217
IC 3246		Glxy		
IC 3245		Non-Existent		
IC 3240		Glxy		
NGC 4326	H141-2	Glxy SAB(r)ab:	14.2	UGC 7454 MCG 1-32-33 CGCG 42-64 VCC623 PGC 40192
IC 3239		Glxy S?	15.7	CGCG 70-38 VCC620 PGC 40187
NGC 4325		Glxy E?	14.3	NGC 4368 PGC 40183 MCG 2-32-19 CGCG 70-37 VCC616
IC 3236		Glxy		
NGC 4320		Glxy S?	14.8	UGC 7452 MCG 2-32-18 CGCG 70-36 VCC599 IRAS 12204+1049 8ZW184 PGC 40160
IC 3233		Glxy		
IC 3229		Glxy Sb-c	15.2	UGC 7448 MCG 1-32-30 CGCG 42-61 VCC593 PGC 40147
NGC 4318		Glxy E?	14.2	UGC 7446 MCG 2-32-15 CGCG 42-59 CGCG 70-33 ARAK359 VCC575 PGC 40122
NGC 4316		Glxy Scd?	13.6	UGC 7447 MCG 2-32-17 CGCG 70-35 VCC576 IRAS 12201+936 PGC 40119
NGC 4315		Non-Existent		
IC 3225		Glxy Sdm:	14.5	UGC 7441 MCG 1-32-28 CGCG 42-54 VCC567 PGC 40111
IC 3224		Glxy		
IC 784		Glxy SAB(rs)bc:	13.8	MCG -1-32-6 IRAS 12199-422 PGC 40092
IC 3223		Non-Existent		(STAR)
NGC 4303A		Non-Existent		NGC 4301 PGC 40087 UGC 7439 MCG 1-32-27 CGCG 42-53 VCC552 IRAS 12198+450
IC 3220		Glxy		
IC 3218		Glxy E?	15.2	MCG 1-32-26 CGCG 42-52 VCC542 PGC 40067
NGC 4309A		Glxy C	15	
NGC 4309		Glxy SAB(r)0+	13.7	UGC 7435 MCG 1-32-25 CGCG 42-51 VCC534 IRAS 12196+725 PGC 40051

## Virgo - The Virgin

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 4307A		Non-Existent		
IC 3211		Glxy Sd	15.1	UGC 7430 MCG 2-32-12 CGCG 70-28 VCC526 PGC 40034
IC 3209		Glxy S?	15.7	CGCG 70-30 VCC527 PGC 40038
NGC 4306		Glxy SB(s)0^:	13.6	UGC 7433 MCG 2-32-14 CGCG 70-32 VCC523 PGC 40032
NGC 4305		Glxy SA(r)a	13.3	UGC 7432 MCG 2-32-13 CGCG 70-31 VCC522 PGC 40030
IC 3208		Glxy		
IC 3199		Glxy S	14.9	UGC 7417 CGCG 70-26 VCC500 PGC 39983
NGC 4300	H572-2	Glxy Sa	13.9	UGC 7413 MCG 1-32-21 CGCG 42-44 VCC492 PGC 39972
IC 782		Glxy SB0/SBa(r)	14.5	MCG 1-32-20 CGCG 42-43 VCC486 PGC 39962
NGC 4301		Glxy SA(r)0/a: sp	14.6	NGC 4303A PGC 39951 UGC 7411 MCG 1-32-19 CGCG 42-42 VCC482
IC 3196		Glxy		
NGC 4296	H92-3	Glxy S0	13.7	UGC 7409 MCG 1-32-17 CGCG 42-41 VCC475 PGC 39943
NGC 4297	H93-3	Glxy S0	15.2	MCG 1-32-18 CGCG 42-41 VCC473 PGC 39940
IC 3412		Glxy I?	15.3	CGCG 70-119 VCC1179 PGC 41152
IC 3413		Glxy E?	14.7	UGC 7620 MCG 2-32-88 CGCG 70-120 VCC1183 PGC 41155
IC 3408		Non-Existent		(STAR)
IC 3404		Non-Existent		
IC 3400		Non-Existent		(STAR)
NGC 4458	H121-2	Glxy E0-1	12	UGC 7610 MCG 2-32-82 CGCG 70-114 VCC1146 PGC 41095
NGC 4484		Glxy SA(s)c pec:	14	MCG -2-32-13 IRAS 12262-1122 PGC 41087
NGC 4453	H26-2	Glxy S?	15.8	MCG 1-32-73 CGCG 42-121 VCC1130 IRAS 12262+647 PGC 41072
NGC 4452	H23-1	Glxy S0?	12.9	UGC 7601 MCG 2-32-80 CGCG 70-112 VCC1125 PGC 41060
IC 3393		Glxy S0+:	14.9	MCG 2-32-81 CGCG 70-113 VCC1122 PGC 41054
NGC 4451		Glxy Sbc:	13.3	UGC 7600 MCG 2-32-79 CGCG 70-111 ARAK368 VCC1118 IRAS 12260+932 PGC 41050
IC 3388		Glxy E?	15.4	CGCG 70-109 VCC1104 PGC 41018
IC 3386		Glxy		
NGC 4445		Glxy Sab: sp	13.7	UGC 7587 MCG 2-32-72 CGCG 70-104 VCC1086 PGC 40987
IC 3381		Glxy E+:	14.4	UGC 7589 MCG 2-32-74 CGCG 70-106 VCC1087 PGC 40985
IC 3383		Glxy E	15	MCG 2-32-75 CGCG 70-105 VCC1075 PGC 40970
IC 794		Glxy E+:	14.1	UGC 7585 MCG 2-32-70 CGCG 70-102 VCC1073 PGC 40964
NGC 4443		Non-Existent		
IC 793		Non-Existent		
NGC 4440	H173-2	Glxy SB(rs)a	12.7	UGC 7581 MCG 2-32-67 CGCG 70-99 VCC1047 PGC 40927
NGC 4436	H172-2	Glxy S0	13.9	UGC 7573 MCG 2-32-66 CGCG 70-96 VCC1036 PGC 40903
NGC 4434	H497-2	Glxy E	12.1	UGC 7571 MCG 1-32-69 CGCG 42-115 VCC1025 PGC 40886
IC 3374		Glxy I?	15.2	CGCG 70-95 VCC1021 PGC 40876
NGC 4432		Glxy Sbc	14.8	UGC 7570 MCG 1-32-68 CGCG 42-114 VCC1018 PGC 40875
NGC 4428		Glxy SAB(rs)c	13.3	MCG -1-32-12 IRAS 12248-753 PGC 40860
NGC 4431	H171-2	Glxy SA(r)0	13.7	UGC 7569 MCG 2-32-62 CGCG 70-94 VCC1010 PGC 40852
NGC 4430	H146-2	Glxy SB(rs)b:	12.8	UGC 7566 MCG 1-32-67 CGCG 42-111 VCC1002 IRAS 12248+632 PGC 40851
IC 3371		Glxy Scd:	15.4	UGC 7565 MCG 2-32-60 CGCG 70-92 VCC995 PGC 40839
IC 3366		Glxy		
NGC 4422	H114-3	Glxy SA0- pec?	14.5	MCG -1-32-10 PGC 40813
NGC 4423	H145-2	Glxy Sdm:	14	UGC 7556 MCG 1-32-65 CGCG 42-107 VCC971 IRAS 12246+609 PGC 40801
IC 3363		Glxy E?	15.3	CGCG 70-88 VCC965 PGC 40786

## Virgo - The Virgin

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 3361		Glxy		
NGC 4420	H23-2	Non-Existent		
NGC 4409	H17-3	Glxy SB(r)bc:	12.9	NGC 4420 PGC 40775 UGC 7549 MCG 1-32-64 CGCG 42-106 VCC957 IRAS 12244+246
NGC 4355		Glxy (R')SAB(s)a	14	NGC 4418 PGC 40762 UGC 7545 MCG 0-32-12 CGCG 14-39 IRAS 12243-36
NGC 4418	H492-3	Non-Existent		
IC 3358		Glxy E?	14.3	UGC 7550 MCG 2-32-57 CGCG 70-86 VCC951 PGC 40764
IC 3354		Non-Existent		(STAR)
IC 3357		Glxy S	15.4	CGCG 70-83 VCC946 PGC 40757
IC 3355		Glxy Im	15.2	UGC 7548 MCG 2-32-56 DDO124 CGCG 70-85 VV 511 VCC945 KUG 1224+134 PGC 40754
IC 3356		Glxy Im	15.2	UGC 7547 CGCG 70-84 VCC950 PGC 40761
IC 3352		Non-Existent		
IC 3350		Non-Existent		(STAR)
NGC 4411B		Non-Existent		NGC 4411-2 PGC 40745 UGC 7546 MCG 2-32-55 CGCG 70-82 VCC939 IRAS 12242+909
IC 3349		Glxy E?	14.8	CGCG 70-81 VCC940 PGC 40744
NGC 4416		Glxy SB(rs)cd:	13.1	UGC 7541 MCG 1-32-63 MK 1326 CGCG 42-105 VCC938 IRAS 12242+811 PGC 40743
IC 3347		Glxy		
IC 3346		Glxy		
NGC 4415	H482-3	Glxy S0/a	13.1	UGC 7540 MCG 2-32-52 CGCG 70-78 VCC929 PGC 40727
IC 3343		Non-Existent		(STAR)
IC 790		Glxy S0?	15.5	MCG 2-32-51 CGCG 70-75 VCC919 PGC 40713
NGC 4413	H169-2	Non-Existent		NGC 4407 PGC 40705 UGC 7538 MCG 2-32-49 CGCG 70-76 VCC912 IRAS 12239+1253
NGC 4411A		Glxy SBdm	12.9	
IC 3339		Non-Existent		
NGC 4410A		Non-Existent		NGC 4410-1 PGC 40694 UGC 7535 MCG 2-32-47 MK 1325 CGCG 70-73 VCC904
NGC 4411		Non-Existent		UGC 7537 MCG 2-32-48 CGCG 70-74 VCC905 PGC 40695
NGC 4410		Glxy Sab/P	13.8	
NGC 4410B		Non-Existent		NGC 4410-2 PGC 40697 UGC 7535 MCG 2-32-47 MK 1325 CGCG 70-73 VCC907
IC 789		Glxy S0?	14.9	UGC 7533 MCG 1-32-61 CGCG 42-102 VCC889 PGC 40673
NGC 4407		Glxy		
NGC 4404	H756-3	Glxy SA(r)0- pec:	12	MCG -1-32-9 PGC 40666
NGC 4403	H755-3	Glxy SA(r)ab pec sp	13.8	MCG -1-32-8 IRAS 12236-724 PGC 40656
IC 3333		Non-Existent		(STAR)
NGC 4398		Non-Existent		
IC 3331		Glxy S?	15.3	MCG 2-32-43 CGCG 70-70 VCC870 KUG 1223+120 PGC 40638
IC 3328		Glxy E?	14.7	MCG 2-32-42 CGCG 70-69 VCC856 PGC 40616
IC 3322		Glxy SAB(s)cd: sp	14.2	UGC 7518 MCG 1-32-57 CGCG 42-98 VCC851 IRAS 12233+750 PGC 40607
IC 3319		Non-Existent		
NGC 4390	H39-3	Glxy SAB(s)c:	13.3	IC 3320 PGC 40597 UGC 7519 MCG 2-32-40 CGCG 70-67 IRAS 12233+1044
IC 3320		Non-Existent		
IC 3318		Non-Existent		(STAR)
NGC 4385		Glxy SB(rs)0+:	13.2	UGC 7515 MCG 0-32-9 MK 52 CGCG 14-34 UM499 IRAS 12231+50 PGC 40564
IC 3537		Non-Existent		(STAR)

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Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 4543		Glxy E3	14.5	MCG 1-32-109 CGCG 42-167 VCC1608 PGC 41923
NGC 4541	H493-3	Glxy (R')SAB(r)bc:	13.8	UGC 7749 MCG 0-32-24 CGCG 14-71 IRAS 12326+3 PGC 41911
IC 3525		Glxy		
NGC 4538		Glxy S?	15.3	MCG 1-32-105 CGCG 42-161 ARAK378 VCC1576 IRAS 12320+336 PGC 41850
IC 3521		Glxy lBm	13.8	UGC 7736 MCG 1-32-106 CGCG 42-162 VCC1575 IRAS 12321+726 PGC 41847
IC 3518		Glxy l m:	14.8	UGC 7734 CGCG 70-177 VCC1567 PGC 41828
IC 3517		Glxy Sdm:	15.4	UGC 7733 MCG 2-32-143 CGCG 70-176 VCC1566 PGC 41829
NGC 4533		Glxy SA d: sp	14.4	UGC 7725 MCG 1-32-102 CGCG 42-157 VCC1557 PGC 41816
NGC 4531	H175-2	Glxy SB0+:	12.4	UGC 7729 MCG 2-32-141 CGCG 70-175 VCC1552 IRAS 12317+1321 PGC 41806
IC 3510		Glxy S?	14.9	UGC 7728 MCG 2-32-142 CGCG 70-173 VCC1549 PGC 41803
NGC 4535A		Glxy S	15.2	
IC 3506		Glxy		
IC 3509		Glxy E	14.9	CGCG 70-174 VCC1545 PGC 41797
NGC 4528	H67-2	Glxy S0^:	13	UGC 7722 MCG 2-32-140 CGCG 70-172 VCC1537 PGC 41781
IC 3504		Non-Existent		(STAR)
NGC 4520	H757-3	Glxy SA0- pec sp	14.8	IC 799 PGC 41748
IC 799		Non-Existent		PGC 41748
IC 3499		Glxy S0/a	14.1	UGC 7712 MCG 2-32-138 CGCG 70-169 VCC1521 PGC 41738
NGC 4519A		Glxy dS0?	15.3	MCG 2-32-134 CGCG 70-165 VCC1501 PGC 41706
IC 3493		Non-Existent		(STAR)
IC 3492		Glxy S0?	15.5	MCG 2-32-131 CGCG 70-164 ARAK376 VCC1499 PGC 41698
IC 3490		Glxy E?	15.9	CGCG 70-162 VCC1489 PGC 41681
IC 3489		Glxy S?	15.3	MCG 2-32-130 CGCG 70-163 VCC1490 IRAS 12307+1231 PGC 41683
IC 3487		Glxy E6:	15	MCG 2-32-133 CGCG 70-161 VCC1488 PGC 41680
IC 3486		Glxy		
IC 3485		Non-Existent		(STAR)
NGC 4518		Glxy SB0_2/3_(r)/a	14.7	MCG 1-32-95 CGCG 42-150 VCC1484 IRAS 12306+806 PGC 41674
NGC 4518A		Non-Existent		
NGC 4518B		Glxy Sab	14.2	
NGC 4517		Non-Existent		NGC 4437
IC 3475		Glxy E:	13.8	UGC 7692 MCG 2-32-123 DDO132 CGCG 70-156 VCC1448 PGC 41606
NGC 4517A		Glxy SB(rs)dm:	12.5	UGC 7685 MCG 0-32-19 CGCG 14-62 PGC 41578
IC 3467		Glxy Sc	15.3	UGC 7686 MCG 2-32-121 CGCG 70-154 VCC1429 PGC 41572
NGC 4508		Non-Existent		
IC 3470		Glxy E?	14.3	MCG 2-32-122 CGCG 70-153 VCC1431 PGC 41573
NGC 4505	H18-3	Non-Existent		
IC 3468		Glxy E	14.1	UGC 7681 MCG 2-32-119 CGCG 70-151 VCC1422 PGC 41552
IC 3465		Glxy		
IC 3463		Non-Existent		(STAR)
IC 3466		Glxy S?	15.7	MCG 2-32-117 CGCG 70-150 VCC1411 PGC 41536
IC 3461		Glxy E?	15	MCG 2-32-116 CGCG 70-148 VCC1407 PGC 41529
IC 3459		Glxy l m:	14.8	UGC 7674 MCG 2-32-115 CGCG 70-147 VCC1392 PGC 41505
IC 3457		Glxy E3:	13.9	UGC 7672 MCG 2-32-114 CGCG 70-146 VCC1386 PGC 41494
NGC 4496	H36-2	Glxy	19.5	VCC1364 PGC 41450
NGC 4496B		Glxy lB(s)m:	14.5	CGCG 42-144 VV 76 VCC1376 PGC 41473

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Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 4496A		Glxy SB(rs)m	11.9	UGC 7668 MCG 1-32-90 CGCG 42-144 VV 76 VCC1375 PGC 41471
NGC 4497	H42-3	Glxy SAB(s)0+:	13.2	IC 3452 PGC 41457 UGC 7665 MCG 2-32-113 CGCG 70-145 VCC1368
IC 3452		Non-Existent		
IC 3447		Glxy		
IC 3446		Glxy S?	15.6	CGCG 70-142 VCC1356 PGC 41440
IC 3445		Glxy		
IC 3443		Glxy E?	15.7	MCG 2-32-112 CGCG 70-143 VCC1348 PGC 41421
NGC 4493		Glxy E+ pec:	14.3	MCG 0-32-17 CGCG 14-56 PGC 41409
IC 3440		Glxy E	15.9	
NGC 4492	H499-2	Glxy SA(s)a?	12.6	IC 3438 PGC 41383 UGC 7656 MCG 1-32-89 CGCG 42-141 VCC1330
IC 3438		Non-Existent		UGC 7656 MCG 1-32-89 CGCG 42-141 VCC1330 PGC 41383
NGC 4486A		Glxy E2	13.5	UGC 7658 MCG 2-32-110 CGCG 70-141 ARAK372 VCC1327 PGC 41377
NGC 4491	H41-3	Glxy SB(s)a:	13.5	UGC 7657 MCG 2-32-107 CGCG 70-140 VCC1326 IRAS 12284+1145 PGC 41376
NGC 4488	H484-3	Glxy SB(s)0/a pec:	12.2	UGC 7653 MCG 2-32-104 CGCG 70-137 VCC1318 PGC 41363
IC 3437		Glxy E?	15.4	CGCG 70-138 VCC1308 PGC 41350
NGC 4486B		Glxy cE0	13.3	MCG 2-32-101 UGC A283 1ZW38 VCC1297 PGC 41327
NGC 4480	H531-2	Glxy SAB(s)c	13.2	UGC 7647 MCG 1-32-87 CGCG 42-139 VCC1290 IRAS 12278+431 PGC 41317
IC 3431		Glxy		
IC 3430		Glxy I	15.3	UGC 7643 CGCG 70-132 VCC1273 PGC 41294
NGC 4482	H40-3	Glxy E	13.7	IC 3427 PGC 41272 UGC 7640 MCG 2-32-98 CGCG 70-130 VCC1261
IC 3427		Non-Existent		UGC 7640 MCG 2-32-98 CGCG 70-130 VCC1261 PGC 41272
IC 3425		Glxy S0?	14.6	UGC 7633 MCG 2-32-95 CGCG 70-126 VCC1243 PGC 41244
IC 3418		Glxy IBm:	14	UGC 7630 MCG 2-32-92 DDO130 VCC1217 PGC 41207
NGC 4471		Non-Existent		
IC 3417		Non-Existent		(STAR)
IC 3416		Glxy I?	15.2	MCG 2-32-91 CGCG 70-124 VCC1200 PGC 41178
IC 3414		Glxy SABdm?	13.9	UGC 7621 MCG 1-32-79 CGCG 42-129 VCC1189 PGC 41166
NGC 4678		Glxy Sc	13.5	IC 824-2 PGC 43385 MCG -1-33-18 IRAS 12471-418
IC 824		Non-Existent		MCG -1-33-18 IRAS 12471-418 PGC 43385
NGC 4708	H722-3	Glxy SA(r)ab pec?	14.6	MCG -2-33-16 IRAS 12470-1049 PGC 43382
IC 3807		Non-Existent		
IC 3803		Non-Existent		(STAR)
IC 3801		Non-Existent		
IC 3798		Non-Existent		(STAR)
IC 3797		Non-Existent		
IC 3792		Non-Existent		
NGC 4694	H72-2	Glxy SB0 pec	11.4	UGC 7969 MCG 2-33-23 CGCG 71-44 VCC2066 IRAS 12457+1115 PGC 43241
IC 3790		Non-Existent		(STAR)
NGC 4688	H543-3	Glxy SB(s)cd	12.6	UGC 7961 MCG 1-33-13 CGCG 43-28 IRAS 12452+436 PGC 43189
IC 3777		Non-Existent		(STAR)
IC 3779		Glxy E	15.4	CGCG 71-41 VCC2050 PGC 43154
IC 3775		Glxy		
IC 3770		Non-Existent		
NGC 4682	H523-3	Glxy SAB(s)cd	12.9	MCG -2-33-8 IRAS 12446-947 PGC 43147
IC 3773		Glxy E	13.9	UGC 7952 MCG 2-33-21 CGCG 71-40 VCC2048 PGC 43146

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Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 3767		Glxy		
IC 3764		Non-Existent		IC 3764 IC 817 MCG 2-33-20 CGCG 71-39 VCC2046 PGC 43126
IC 817		Glxy E-S0	13.9	IC 3764 IC 817 MCG 2-33-20 CGCG 71-39 VCC2046 PGC 43126
IC 816		Glxy SB?	14.9	UGC 7944 MCG 2-33-19 CGCG 71-38 VCC2044 PGC 43111
IC 815B		Glxy S		IC 815 MCG 2-33-15 CGCG 71-35 PGC 43086
IC 3760		Glxy		
IC 815		Non-Existent		
IC 815A		Glxy	15.2	IC 815 MCG 2-33-14 CGCG 71-35 PGC 43076
IC 3754		Glxy Sab	14.6	UGC 7937 MCG 2-33-13 CGCG 71-34 VCC2036 PGC 43074
IC 3756		Glxy S/P	15.2	
NGC 4674		Glxy SAB(s)a pec sp	14.2	MCG -1-33-5 PGC 43050
IC 3743		Non-Existent		(STAR)
IC 814		Glxy		
NGC 4668	H663-3	Glxy SB(s)d:	13.6	UGC 7931 MCG 0-33-9 CGCG 15-16 IRAS 12429-15 PGC 42999
IC 3739		Non-Existent		
NGC 4667		Non-Existent		
IC 3733		Non-Existent		(STAR)
IC 3732		Glxy		
IC 3731		Glxy		
NGC 4665		Non-Existent		
IC 3727		Glxy Scd:	14.6	UGC 7927 MCG 2-33-9 CGCG 71-28 VCC2012 PGC 42969
IC 3722		Non-Existent		(STAR)
IC 3724		Glxy S	15.4	CGCG 71-27 VCC2009 PGC 42960
IC 812		Glxy	14.1	PGC 42952
IC 3719		Glxy I?	16.1	IC 3719 IC 3716 CGCG 43-16 VCC2007 PGC 42947
IC 3720		Glxy E?	15	UGC 7919 DDO145 VCC2008 PGC 42949
IC 811		Non-Existent		MCG -2-33-2 PGC 42946
IC 3718		Glxy S	14.1	UGC 7920 MCG 2-33-8 CGCG 71-26 VCC2006 PGC 42944
IC 3716		Non-Existent		IC 3719 IC 3716 CGCG 43-16 VCC2007 PGC 42947
IC 3714		Glxy SB	15.2	MCG 2-33-5 CGCG 71-22 VCC1997 PGC 42899
IC 3712		Non-Existent		
IC 3711		Glxy		
IC 3710		Glxy Dwarf Irr	15.1	
IC 3709		Glxy S?	15.3	CGCG 71-20 VCC1988 PGC 42869
IC 3708		Knt in Glxy SAB(rs)cd	11.1	UGC 7902 MCG 2-33-4 CGCG 71-19 VCC1987 IRAS 12414+1324 PGC 42857
IC 3706		Non-Existent		(STAR)
IC 3704		Glxy Sbc	14.8	UGC 7899 MCG 2-33-3 CGCG 71-17 VCC1979 IRAS 12412+1102 PGC 42836
IC 3701		Glxy		
IC 3702		Glxy SB?	15.9	CGCG 71-14 VCC1969 PGC 42810
IC 3698		Glxy S?	15.4	MCG 2-32-193 CGCG 71-12 VCC1961 IRAS 12408+1128 PGC 42790
NGC 4641		Glxy S0	14.2	UGC 7889 MCG 2-32-191 CGCG 71-11 VCC1955 PGC 42769
IC 3694		Glxy S?	15.3	MCG 2-32-192 CGCG 71-10 VV 505 VCC1954 PGC 42766
NGC 4640B		Glxy S0	16.2	
IC 3693		Glxy		
NGC 4640A		Non-Existent		

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Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 4640		Glxy SB?	14.4	UGC 7888 MCG 2-32-190 CGCG 71-9 VCC1949 PGC 42753
NGC 4624		Glxy E0-1	10.4	NGC 4636 PGC 42734 UGC 7878 MCG 1-32-137 CGCG 43-2 VCC1939
IC 3690		Glxy S	15.2	UGC 7879 CGCG 71-4 VCC1940 IRAS 12402+1037 PGC 42732
IC 3686		Glxy Sc(s)II	15	MCG 2-32-186 CGCG 71-1 CGCG 70-227 VCC1927 PGC 42698
NGC 4629		Glxy SAB(s)m pec	13.8	UGC 7869 MCG 0-32-37 CGCG 14-109 PGC 42692
NGC 4632	H14-1	Glxy SAc	12.4	UGC 7870 MCG 0-32-38 CGCG 14-110 UM514 IRAS 12399+11 PGC 42689
NGC 4630	H532-2	Glxy IB(s)m?	13.2	UGC 7871 MCG 1-32-136 CGCG 42-208 CGCG 43-1 VCC1923 IRAS 12399+414 PGC 42688
IC 3685		Non-Existent		
NGC 4628	H773-2	Glxy SA(s)b: sp	14.5	MCG -1-32-41 MK 1333 IRAS 12398-641 PGC 42681
NGC 4626	H772-2	Glxy SB(s)bc: sp	12.7	MCG -1-32-40 IRAS 12398-646 PGC 42680
NGC 5072		Non-Existent		NGC 5070 PGC 46432 MCG -2-34-22
NGC 5075		Glxy	15.1	CGCG 44-65 PGC 46424
IC 880		Non-Existent		(STAR)
IC 4224		Glxy Scd	14.6	MCG 0-34-27 CGCG 16-51 PGC 46420
IC 878		Non-Existent		(STAR)
IC 877		Non-Existent		
IC 4223		Glxy	15.4	CGCG 44-64 PGC 46397
NGC 5071		Glxy	15.5	CGCG 44-62 PGC 46375
IC 876		Glxy Sa	14.9	MCG 1-34-17 CGCG 44-61 IRAS 13160+445 PGC 46370
IC 4221		Glxy SA(r)c pec?	13.5	MCG -2-34-21 IRAS 13158-1420 PGC 46366
NGC 5069		Non-Existent		NGC 5066 PGC 46360 MCG -2-34-20
NGC 5066		Glxy Sa	13.5	
NGC 5067		Non-Existent		
IC 873		Glxy	15.3	CGCG 44-59 PGC 46345
IC 872		Glxy		
IC 871		Glxy Sb	14.2	UGC 8358 MCG 1-34-16 CGCG 44-58 IRAS 13155+439 PGC 46321
IC 4220		Glxy Sab	14.5	MCG -2-34-17 PGC 46316
IC 865		Glxy		
NGC 5060		Glxy SB(s)b	14.1	UGC 8351 MCG 1-34-15 CGCG 44-53 IRAS 13147+618 PGC 46278
IC 4217		Glxy Scd	16.1	MCG -2-34-14 PGC 46275
IC 863		Glxy SB(rs)0/a? pec	14.5	MCG -3-34-43 IRAS 13145-1659 PGC 46270
IC 4218		Glxy S?	14.6	UGC 8348 MCG 0-34-22 CGCG 16-39 PGC 46254
IC 4216		Glxy SAB(rs)cd	13.7	MCG -2-34-13 IRAS 13144-1030 PGC 46252
NGC 5059		Glxy Sc	15.6	UGC 8344 CGCG 44-50 PGC 46244
NGC 5058		Glxy S?	14.6	UGC 8345 MCG 2-34-6 MK 786 CGCG 72-42 PGC 46241
NGC 5050		Glxy S0/a	14.7	UGC 8329 MCG 1-34-12 CGCG 44-43 PGC 46138
NGC 5038		Glxy S0: sp	13.1	MCG -3-34-31 IRAS 13123-1541 PGC 46081
NGC 5039		Glxy Sa? pec	15.2	PGC 46064
NGC 5036		Glxy S0-: pec?	15.6	PGC 46057
NGC 5031		Glxy S0+: sp	14.4	MCG -3-34-24 PGC 46006
NGC 5028		Glxy E6	13.7	MCG -2-34-11 PGC 45976
NGC 5027		Glxy SB(r)b:	14.2	UGC 8297 MCG 1-34-10 CGCG 44-28 IRAS 13108+619 PGC 45936
NGC 5017	H669-3	Glxy E+?	12.6	MCG -3-34-16 PGC 45900
NGC 5019	H545-3	Glxy SB?	14.5	UGC 8288 MCG 1-34-9 CGCG 44-27 IRAS 13101+459 PGC 45885
NGC 5010		Glxy S0+ pec sp	13.4	MCG -3-34-15 IRAS 13097-1531 2SZ8 PGC 45868

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Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 5015	H637-2	Glxy (R)SB(r)a:	12.9	MCG -1-34-12 IRAS 13097-404 PGC 45862
NGC 5013		Glxy Sbc	15	MCG 1-34-7 CGCG 44-24 PGC 45838
IC 4212		Glxy SB(s)cd	14.5	MCG -1-34-11 UGC A333 PGC 45845
NGC 5006		Glxy (R)SB(r)0+	13.3	ESO 576-6 MCG -3-34-11 PGC 45806
IC 855		Glxy	14.9	PGC 45725
IC 4209		Glxy SB(rs)bc?	14.5	MCG -1-34-9 IRAS 13077-654 PGC 45702
NGC 4997		Glxy S0-	13.5	MCG -3-34-5 PGC 45667
NGC 4996		Glxy (R)SB0+	13.6	UGC 8235 MCG 0-34-9 CGCG 16-11 PGC 45629
NGC 4994		Non-Existent		NGC 4993 PGC 45623 ESO 575-65
NGC 4990		Glxy S0 pec?	14.5	MCG -1-34-4 MK 1344 IRAS 13067-500 PGC 45608
NGC 4989	H185-2	Glxy S0^:	13.6	MCG -1-34-5 PGC 45606
NGC 4991		Glxy Sb	15.5	CGCG 44-13 PGC 45604
NGC 4992		Glxy Sa	14.3	UGC 8232 MCG 2-34-1 CGCG 72-6 PGC 45593
NGC 4982		Non-Existent		
NGC 4975		Glxy SAB(rs)0^ pec?	15.5	MCG -1-34-2 PGC 45492
IC 850		Glxy Sd pec sp	15.2	MCG 0-34-3 CGCG 16-4 IRAS 13052-36 PGC 45491
IC 849		Glxy SAB(rs)cd pec?	13.6	UGC 8202 MCG 0-34-2 CGCG 16-3 IRAS 13050-40 PGC 45480
NGC 4969		Glxy E/S0	14.9	MCG 2-33-55 CGCG 72-4 PGC 45425
IC 4177		Glxy Sc	15.8	MCG -2-33-107 PGC 45365
IC 4176		Non-Existent		
IC 4173		Glxy		
IC 845		Glxy		
NGC 4951	H188-2	Glxy SAB(rs)cd:	12.6	MCG -1-33-81 IRAS 13025-613 PGC 45246
NGC 4948A		Glxy SB(s)dm	13.9	MCG -1-33-80 DDO162 PGC 45242
NGC 4948		Glxy SB(s)dm: sp	15.2	IC 4156 PGC 45224 MCG -1-33-79
IC 4156		Non-Existent		MCG -1-33-79 PGC 45224
NGC 4942	H761-3	Glxy SAB(s)d:	14.6	IC 4136 PGC 45177 MCG -1-33-78 IRAS 13017-723
IC 4136		Non-Existent		MCG -1-33-78 IRAS 13017-723 PGC 45177
NGC 4933	H191-2	Glxy S0-a	12.1	
NGC 4924		Glxy (R')SAB(s)0/a p	13.5	MCG -2-33-96 IRAS 12595-1442 PGC 44977
NGC 4925	H779-2	Glxy S0	15.1	MCG -1-33-74 PGC 44967
NGC 4920		Glxy IB(s)m	14	IC 4134 PGC 44958 MCG -2-33-94
IC 4071		Glxy	14	MCG -1-33-73 IRAS 12594-720 PGC 44956
NGC 4910	H3-5	Non-Existent		
NGC 4899	H300-2	Glxy SAB(rs)c:	12.6	MCG -2-33-90 IRAS 12583-1340 PGC 44841
NGC 4891		Non-Existent		
NGC 4879	H759-3	Non-Existent		STAR UGC 878 MCG 6-4-3 CGCG 521-4 PGC 44787
NGC 4888	H778-2	Glxy Sab	12.8	MCG -1-33-66 PGC 44766
NGC 5420		Glxy Sb:	13.5	MCG -2-36-6 IRAS 14012-1422 PGC 50121
IC 971		Glxy SB(s)c	13.3	MCG -2-36-5 IRAS 14012-954 PGC 50120
NGC 5435		Non-Existent		
NGC 5432		Non-Existent		
IC 4358		Glxy Sbc pec sp	15	MCG -2-36-4 PGC 50092
NGC 5429		Non-Existent		
NGC 5428		Non-Existent		

## Virgo - The Virgin

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 969		Glxy		
NGC 5404		Non-Existent		
NGC 5400	H667-3	Glxy (R')S0-?	13.9	MCG 0-36-8 CGCG 18-20 PGC 49869
IC 968		Glxy S0	14.8	MCG 0-36-7 CGCG 18-19 PGC 49866
NGC 5392	H666-3	Glxy S0+?	14.4	MCG 0-36-5 CGCG 18-13 PGC 49792
NGC 5388		Non-Existent		
IC 4354		Glxy Sb	16.2	MCG -2-36-1 IRAS 13558-1221 PGC 49731
NGC 5387		Glxy Sbc: sp	14.6	UGC 8891 MCG 1-36-11 CGCG 46-26 IRAS 13559+618 PGC 49724
NGC 5386	H547-3	Glxy S0/a	14.2	UGC 8890 MCG 1-36-10 CGCG 46-24 IRAS 13558+634 PGC 49719
NGC 5382	H546-3	Glxy S0	13.5	UGC 8885 MCG 1-36-7 CGCG 46-22 PGC 49711
IC 966		Glxy S0	14.1	UGC 8884 MCG 1-36-6 CGCG 46-21 PGC 49704
NGC 5384		Glxy S0	14.1	UGC 8886 MCG 1-36-8 CGCG 46-23 ARAK434 PGC 49707
NGC 5374	H889-2	Glxy SB(r)bc?	13.3	UGC 8874 MCG 1-36-4 CGCG 46-16 IRAS 13549+620 PGC 49650
NGC 5373		Glxy C	15.2	CGCG 46-14 PGC 49620
NGC 5369	H285-3	Glxy E	14.6	PGC 49583
NGC 5366		Glxy (R')SB(rs)0+?	14.7	MCG 0-36-2 CGCG 18-7 IRAS 13538+0 PGC 49569
IC 958		Non-Existent		
NGC 5360		Glxy I0	14.1	UGC 8838 MCG 1-36-1 CGCG 46-3 PGC 49513
NGC 5356	H506-3	Glxy SABbc: sp	13.4	UGC 8831 MCG 1-35-52 CGCG 46-1 IRAS 13524+534 PGC 49468
NGC 5345	H686-2	Glxy SA(r)a pec:	13.3	UGC 8820 MCG 0-35-26 CGCG 17-94 IRAS 13516-111 PGC 49415
NGC 5343	H308-2	Glxy SA(r)0-?	13.5	MCG -1-35-19 PGC 49412
NGC 5348		Glxy SBbc: sp	13.9	UGC 8821 MCG 1-35-51 CGCG 45-137 PGC 49411
NGC 5339		Glxy SB(rs)a pec	16.5	MCG -1-35-18 MK 1363 IRAS 13513-741 PGC 49388
IC 952		Glxy SBbc	14.8	UGC 8808 MCG 1-35-49 CGCG 45-133 IRAS 13511+337 PGC 49373
NGC 5338		Glxy SB0:	13.4	UGC 8800 MCG 1-35-48 CGCG 45-132 PGC 49353
NGC 5335		Glxy SB(r)b	13.6	UGC 8791 MCG 1-35-46 CGCG 45-129 PGC 49310
NGC 5334	H665-3	Glxy SB(rs)c:	12	IC 4338 PGC 49308 UGC 8790 MCG 0-35-24 CGCG 17-88 IRAS 13502-51
IC 4338		Non-Existent		UGC 8790 MCG 0-35-24 CGCG 17-88 IRAS 13502-51 PGC 49308
IC 947		Glxy S0- pec?	13.6	UGC 8784 MCG 0-35-23 CGCG 17-85 PGC 49287
NGC 5331A	H929-3	Glxy Double System	14.9	UGC 8774 MCG 0-35-22 CGCG 17-82 VV 253 PGC 49264
NGC 5329	H549-3	Glxy E:	13.4	UGC 8771 MCG 1-35-44 CGCG 45-121 PGC 49248
NGC 5324	H307-2	Glxy SA(rs)c:	12.4	MCG -1-35-16 IRAS 13494-548 PGC 49236
NGC 5327	H685-2	Glxy SAB(rs)b:	13.4	UGC 8768 MCG 0-35-21 CGCG 17-78 IRAS 13494-157 PGC 49234
NGC 5317		Glxy		
IC 943		Glxy Sb	14.8	MCG 1-35-41 CGCG 45-115 PGC 49130
NGC 5309		Non-Existent		
NGC 5310		Non-Existent		STAR ESO 296-28 MCG -7-4-5 PGC 49167
NGC 5300	H533-2	Glxy SAB(r)c	12.1	UGC 8727 MCG 1-35-38 CGCG 45-108 IRAS 13457+411 PGC 48959
IC 940		Glxy	15.3	CGCG 45-104 PGC 48933
IC 939		Glxy S	14.4	MCG 1-35-36 CGCG 45-103 PGC 48914
IC 927		Glxy		
IC 924		Glxy		
IC 920		Glxy E	15.8	MCG -2-35-15 PGC 48779
NGC 5285		Glxy E+ pec	14.9	CGCG 17-65 PGC 48688
IC 915		Glxy		

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Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 5270		Glxy (R')SB(s)b	14.3	UGC 8673 MCG 1-35-31 CGCG 45-75 PGC 48527
NGC 5268		Non-Existent		
IC 908		Glxy SBcd	15.5	MCG -1-35-9 PGC 48443
NGC 5261		Glxy	15.3	CGCG 45-67 PGC 48360
NGC 5254		Glxy SA(rs)c:	13.1	MCG -2-35-12 IRAS 13369-1114 PGC 48307
IC 904		Glxy S0+?	14.6	UGC 8628 MCG 0-35-14 CGCG 17-47 PGC 48217
IC 903		Glxy (R')Sab:	14	UGC 8625 MCG 0-35-13 CGCG 17-45 PGC 48207
NGC 5252	H505-3	Glxy S0	14	UGC 8622 MCG 1-35-22 CGCG 45-56 VV 100 PGC 48189
NGC 5247	H297-2	Glxy SA(s)bc	10.5	ESO 577-14 MCG -3-35-11 UGC A368 IRAS 13353-1737 PGC 48171
NGC 5246		Glxy (R')SB(s)b	14.4	UGC 8612 MCG 1-35-17 CGCG 45-50 IRAS 13349+421 PGC 48128
NGC 5245		Glxy	15.3	CGCG 45-48 PGC 48110
NGC 5242		Non-Existent		
NGC 5241		Glxy SB(rs)ab:	15	MCG -1-35-6 IRAS 13340-808 PGC 48043
NGC 5232		Glxy SA(rs)0/a:	13.9	MCG -1-35-3 IRAS 13335-814 PGC 47998
NGC 5235	H100-3	Glxy SB	14.8	UGC 8582 MCG 1-35-12 CGCG 45-36 IRAS 13335+650 PGC 47984
NGC 5231		Glxy SBa	14.3	UGC 8574 MCG 1-35-11 CGCG 45-34 IRAS 13332+315 PGC 47953
IC 901		Glxy Sab	14.9	MCG 2-35-11 CGCG 73-45 PGC 47954
NGC 5230	H87-3	Glxy SA(s)c	12.8	UGC 8573 MCG 2-35-9 CGCG 73-43 IRAS 13330+1355 PGC 47932
NGC 5227	H928-3	Glxy (R')SB(r)b	13.7	UGC 8566 MCG 0-35-10 CGCG 17-29 IRAS 13328+140 PGC 47915
NGC 5224	H926-3	Glxy S	15	MCG 1-35-9 CGCG 45-30 PGC 47884
IC 899		Glxy	15	
IC 1102		Glxy Sb:	14.8	UGC 9754 MCG 1-39-0 MK 1395 CGCG 49-25 PGC 54188
IC 1101		Glxy S0-:	14.7	UGC 9752 CGCG 49-23 PGC 54167
NGC 5871		Non-Existent		
NGC 5869	H545-2	Glxy S0^:	12.9	NGC 5865 UGC 9742 MCG 0-39-6 CGCG 21-22 PGC 54119
NGC 5868		Non-Existent		
NGC 5865	H684-2	Glxy E-S0	14.1	NGC 5868 PGC 54118 UGC 9743 MCG 0-39-7 CGCG 21-23
NGC 5855		Glxy C	15.4	CGCG 49-10 PGC 54014
IC 1089		Glxy	15.4	CGCG 49-7 PGC 53989
IC 1088		Non-Existent		(STAR) UGC 9710 MCG 1-38-32 CGCG 49-2 PGC 53951
IC 1087		Glxy L	15.6	MCG 1-38-31 CGCG 49-2 PGC 53952
NGC 5848		Non-Existent		
NGC 5841		Glxy S0+ pec sp	14.8	NGC 5848 PGC 53941 MCG 0-39-1 CGCG 21-1
NGC 5847		Glxy Sb	15.1	MCG 1-38-30 CGCG 48-120 IRAS 15039+633 PGC 53928
NGC 5811		Glxy SB(s)m:	14.5	MCG 0-38-15 CGCG 20-43 PGC 53597
IC 1082		Glxy	15.2	CGCG 48-87 PGC 53523
NGC 5776		Glxy S	14.7	MCG 1-38-18 CGCG 48-67 PGC 53289
IC 1073		Glxy	15.6	CGCG 48-63 PGC 53259
IC 1072		Glxy S	15.3	MCG 1-38-16 CGCG 48-64 PGC 53258
IC 1071		Glxy S0	14.2	UGC 9582 MCG 1-38-15 CGCG 48-62 PGC 53260
IC 1068		Glxy L	14.9	MCG 1-38-12 CGCG 48-56 PGC 53223
NGC 5770	H576-2	Glxy SB0	13.2	UGC 9575 MCG 1-38-11 CGCG 48-52 PGC 53201
IC 1067		Glxy SB(s)b	13	UGC 9574 MCG 1-38-10 CGCG 48-50 PGC 53178
IC 1066		Glxy S?	14.1	UGC 9573 MCG 1-38-9 CGCG 48-49 IRAS 14505+330 PGC 53176
IC 1064		Non-Existent		IC 1064 UGC 9565 MCG 1-38-7 CGCG 48-36 IRAS 14496+453 PGC 53094

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Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 1063		Glxy SBb	14.2	IC 1063 UGC 9565 MCG 1-38-7 CGCG 48-36 IRAS 14496+453 PGC 53094
NGC 5765A		Non-Existent		
NGC 5765B		Glxy Sab	15.4	UGC 9554 MCG 1-38-5 CGCG 48-24 PGC 53012
NGC 5765		Glxy Sb:	14.6	UGC 9554 MCG 1-38-4 CGCG 48-24 PGC 53011
IC 1054		Glxy S0	14.8	UGC 9514 CGCG 20-14 PGC 52752
NGC 5740	H538-2	Glxy SAB(rs)b	11.9	UGC 9493 MCG 0-38-3 CGCG 20-8 IRAS 14418+153 PGC 52641
NGC 5738		Glxy S0 <sup>+</sup> : sp	14.9	MCG 0-38-2 CGCG 20-4 PGC 52614
IC 1048		Glxy S	13.6	UGC 9483 MCG 1-37-51 CGCG 48-4 IRAS 14404+506 PGC 52564
NGC 5733		Glxy Scd? sp	14.6	MCG 0-38-1 CGCG 20-2 PGC 52550
NGC 5725		Glxy SB(s)d:	14.3	UGC 9466 MCG 0-37-25 CGCG 19-80 IRAS 14384+224 PGC 52456
NGC 5719	H682-2	Glxy SAB(s)ab pec	13.1	UGC 9462 MCG 0-37-24 CGCG 19-79 IRAS 14383-6 PGC 52455
IC 1043		Non-Existent		
NGC 5713	H182-1	Glxy SAB(rs)bc pec	11.8	UGC 9451 MCG 0-37-22 CGCG 19-77 IRAS 14376-4 8ZW447 PGC 52412
NGC 5705		Glxy SB(rs)d	13.3	UGC 9447 MCG 0-37-21 CGCG 19-76 IRAS 14371-29 PGC 52395
NGC 5701	H575-2	Glxy (R)SB(rs)0/a	11.8	UGC 9436 MCG 1-37-42 CGCG 47-127 IRAS 14368+534 PGC 52365
NGC 5692		Glxy S?	13.9	UGC 9427 MCG 1-37-39 CGCG 47-123 ARAK454 IRAS 14357+337 PGC 52317
NGC 5691	H681-2	Glxy SAB(s)a: pec	12.3	UGC 9420 MCG 0-37-20 CGCG 19-73 IRAS 14353-11 PGC 52291
NGC 5690	H582-2	Glxy Sc? sp	12.5	UGC 9416 MCG 0-37-19 CGCG 19-72 IRAS 14351+230 KARA638 PGC 52273
NGC 5680		Glxy S0-:	14.7	CGCG 19-68 PGC 52173
NGC 5679C		Glxy C	16	
NGC 5679B		Non-Existent		NGC 5679
NGC 5679D		Glxy S	15	
NGC 5674	H893-2	Glxy SABc	13.7	UGC 9369 MCG 1-37-31 CGCG 47-96 IRAS 14313+540 8ZW434 PGC 52042
NGC 5658		Non-Existent		STAR ESO 542-22 MCG -3-4-79 PGC 51957
NGC 5661	H892-2	Glxy SBb:	14.1	UGC 9346 MCG 1-37-23 CGCG 47-81 IRAS 14294+628 PGC 51921
IC 1025		Glxy	15.3	CGCG 47-78 PGC 51898
IC 1024		Glxy S0?	13.9	UGC 9341 MCG 1-37-22 CGCG 47-76 IRAS 14289+313 PGC 51895
NGC 5651		Non-Existent		
NGC 5652	H891-2	Non-Existent		NGC 5650 PGC 51865 UGC 9334 MCG 1-37-20 CGCG 47-72 IRAS 14285+611 8ZW427
NGC 5650		Glxy		
NGC 5645	H150-2	Glxy SB(s)d	13	UGC 9328 MCG 1-37-19 CGCG 47-70 IRAS 14281+729 PGC 51846
IC 1022		Glxy S	15.1	UGC 9311 CGCG 47-66 PGC 51808
IC 1016		Glxy		IC 1016 MCG 1-37-14 CGCG 47-48 PGC 51624
NGC 5632		Non-Existent		STAR CGCG 459-71 PGC 51693
IC 1011		Glxy	15.4	MCG 0-37-8 CGCG 19-36 ARAK451 IRAS 14255+113 PGC 51662
IC 4424		Non-Existent		IC 4424 MCG 1-37-14 CGCG 47-48 PGC 51624
NGC 5619B		Non-Existent		
NGC 5619C		Glxy Sbc	14.3	
IC 1010		Glxy SB(r)b pec	13.6	UGC 9254 MCG 0-37-6 CGCG 19-28 PGC 51612
NGC 5619A		Non-Existent		
NGC 5619		Glxy SAB(rs)b	13.4	UGC 9255 MCG 1-37-12 CGCG 47-44 VV 408 IRAS 14248+501 PGC 51610
NGC 5618	H763-3	Glxy SB(rs)c	14.1	UGC 9250 MCG 0-37-5 CGCG 19-26 PGC 51603
NGC 5604	H668-3	Glxy Sa pec?	13.5	MCG 0-37-3 CGCG 19-16 IRAS 14221-259 PGC 51471
IC 1007		Glxy C	15	CGCG 47-34 8ZW412 PGC 51465
NGC 5599	H927-3	Glxy Sb	14.4	UGC 9218 MCG 1-37-10 CGCG 47-30 IRAS 14213+647 PGC 51423

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Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 4407		Non-Existent		MCG -1-37-5 PGC 51404
NGC 5584		Glxy SAB(rs)cd	12.1	UGC 9201 MCG 0-37-1 CGCG 19-8 IRAS 14198-9 KARA626 PGC 51344
NGC 5577		Glxy SA(rs)bc:	13.1	UGC 9187 MCG 1-37-9 CGCG 47-22 IRAS 14187+339 PGC 51286
NGC 5578		Non-Existent		
NGC 5575		Glxy S0	14.3	NGC 5578 PGC 51272 UGC 9184 MCG 1-37-8 CGCG 47-21
NGC 5574	H145-1	Glxy SB0:-? sp	12.4	UGC 9181 MCG 1-37-6 CGCG 47-18 PGC 51270
IC 1003		Non-Existent		
IC 1002		Non-Existent		
IC 1001		Non-Existent		
NGC 5573		Glxy S	15.1	MCG 1-37-5 CGCG 47-16 PGC 51257
NGC 5563		Glxy	15.3	CGCG 47-11 PGC 51226
NGC 5565		Non-Existent		
NGC 5564		Non-Existent		
IC 998		Glxy		
IC 997		Glxy Sbc	14.5	MCG -1-37-1 IRAS 14173-413 PGC 51220
NGC 5558		Non-Existent		
IC 4401		Glxy (R')SAB(r)a?	15.1	MCG -1-36-15 PGC 51173
NGC 5554		Glxy	15.2	NGC 5564 PGC 51160 CGCG 47-6
NGC 5552		Glxy	15.2	NGC 5558 PGC 51140 CGCG 47-4
NGC 5551		Glxy	15.3	MCG 1-36-37 CGCG 47-3 IRAS 14164+540 PGC 51139
NGC 5555		Glxy Sb	15.7	ESO 579-15 MCG -3-36-11 IRAS 14160-1854 PGC 51124
NGC 5549	H552-3	Glxy S0	13.9	UGC 9156 MCG 1-36-36 CGCG 47-1 PGC 51118
IC 992		Glxy SAB(r)c:	14.3	UGC 9147 MCG 0-36-33 CGCG 18-114 IRAS 14156+107 PGC 51090
IC 991		Glxy SB(s)c:	13.6	MCG -2-36-19 IRAS 14151-1338 PGC 51059
NGC 5534		Glxy (R')SAB(s)ab p:	13	MCG -1-36-14 MK 1379 VV 615 IRAS 14150-711 PGC 51055
NGC 5537		Glxy Sb	15.1	MCG 1-36-32 CGCG 46-82 IRAS 14151+717 PGC 51047
IC 4392		Non-Existent		
NGC 5521		Glxy S?	14.7	UGC 9122 MCG 1-36-30 CGCG 46-77 ARAK443 PGC 50931
IC 989		Glxy E	14	UGC 9114 MCG 1-36-27 CGCG 46-72 PGC 50891
IC 988		Glxy E?	15.1	MCG 1-36-26 CGCG 46-71 PGC 50873
NGC 5510		Glxy IB(s)m pec:	13.5	ESO 579-3 MCG -3-36-10 IRAS 14108-1744 PGC 50807
NGC 5501		Glxy (R')SA(r)0+?	14.5	MCG 0-36-27 CGCG 18-78 PGC 50724
IC 985		Glxy Sb	15	MCG 0-36-24 CGCG 18-72 PGC 50671
IC 986		Glxy L	14.8	MCG 0-36-25 CGCG 18-73 PGC 50662
NGC 5491B		Glxy C	15.7	
NGC 5491A		Glxy Sb	13.1	
NGC 5491	H890-2	Glxy S?	13.8	UGC 9072 MCG 1-36-22 CGCG 46-63 IRAS 14084+636 PGC 50630
IC 981		Glxy	15	
IC 980		Glxy		
IC 978		Glxy Sb	15.1	MCG 0-36-21 CGCG 18-60 PGC 50493
IC 976		Glxy S0^	14	UGC 9040 MCG 0-36-20 CGCG 18-59 UM639 PGC 50479
IC 977		Glxy	15.3	CGCG 18-58 PGC 50477
NGC 5478	H762-3	Glxy SAB(s)bc	14.4	UGC 9034 MCG 0-36-19 CGCG 18-55 UM636 IRAS 14055-127 PGC 50430
NGC 5476	H287-3	Glxy SAB(rs)dm?	13	MCG -1-36-9 IRAS 14055-551 PGC 50429
NGC 5472		Glxy SA(r)ab? sp	15.1	MCG -1-36-8 IRAS 14042-513 PGC 50345

## Virgo - The Virgin

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 974		Non-Existent		
NGC 5468	H286-3	Glxy SAB(rs)cd	13	MCG -1-36-7 UGC A384 IRAS 14039-512 PGC 50323
NGC 5470		Glxy Sb	14.2	UGC 9020 MCG 1-36-19 CGCG 46-50 IRAS 14040+615 PGC 50317
NGC 5467		Non-Existent		
IC 973		Non-Existent		
NGC 5465		Non-Existent		
IC 4372		Glxy		
NGC 5442		Glxy SB(s)b pec?	14.5	MCG -1-36-6 VV 691 PGC 50189
IC 4368		Glxy		
IC 972		PI Neb 2c	14.9	ABELL 37 PK 326+42.1 PNG 326.7+42.2
IC 4364		Glxy Sbc	15.5	MCG -2-36-9 PGC 50149
IC 4363		Glxy		
IC 4361		Glxy Sb	15.6	MCG -2-36-7 PGC 50131
IC 4360		Glxy		
IC 900		Glxy SAB(s)bc	13.6	UGC 8555 MCG 2-35-4 CGCG 73-37 IRAS 13322+935 PGC 47855
NGC 5213		Glxy SBb	14.5	UGC 8552 MCG 1-35-8 CGCG 45-28 VV 18 IRAS 13321+423 PGC 47842
IC 898		Glxy	15.6	CGCG 73-31 PGC 47797
NGC 5211		Glxy (R')SAB(rs)ab p	13.2	UGC 8530 MCG 0-35-9 CGCG 17-21 IRAS 13305-46 PGC 47709
NGC 5210	H99-3	Glxy Sa	13.9	UGC 8523 MCG 1-35-3 CGCG 45-10 PGC 47678
NGC 5209	H10-3	Glxy E	14	UGC 8522 MCG 1-35-2 CGCG 45-9 PGC 47654
NGC 5212		Glxy	15.5	CGCG 45-8 PGC 47640
NGC 5208	H9-3	Glxy S0	14.1	UGC 8519 MCG 1-35-1 CGCG 45-7 PGC 47637
NGC 5207	H643-3	Glxy SAB(r)b	14	UGC 8518 MCG 2-35-1 CGCG 73-18 PGC 47612
NGC 5203	H507-3	Glxy S0- sp	13.3	MCG -1-35-1 PGC 47610
NGC 5202		Glxy Sb:	15.3	CGCG 17-10 PGC 47589
IC 893		Glxy Sab	15	UGC 8513 MCG 0-35-2 CGCG 17-6 PGC 47566
IC 892		Glxy S0 pec	13.9	UGC 8512 MCG 0-35-1 CGCG 17-5 PGC 47564
NGC 5200		Non-Existent		
NGC 5197		Glxy S0/a	15.5	CGCG 17-3 PGC 47546
NGC 5196		Glxy S0-	15	CGCG 17-2 PGC 47540
NGC 5192		Glxy Sa?	15.5	CGCG 17-1 PGC 47503
NGC 5191		Glxy Sb	15	MCG 2-34-26 CGCG 73-3 PGC 47498
NGC 5184	H680-2	Glxy SAB(r)c	13.3	UGC 8487 MCG 0-34-41 CGCG 16-81 PGC 47438
NGC 5183	H679-2	Glxy Sb pec	13.5	UGC 8485 MCG 0-34-39 CGCG 16-79 IRAS 13275-127 PGC 47432
NGC 5186		Glxy	15.6	CGCG 72-103 PGC 47426
NGC 5185	H642-3	Glxy Sb	14.1	UGC 8488 MCG 2-34-25 CGCG 72-104 PGC 47422
IC 891		Glxy E/S0	14.7	MCG 0-34-40 CGCG 16-80 PGC 47418
NGC 5181		Glxy S0	14.6	MCG 2-34-24 CGCG 72-98 PGC 47373
NGC 5175	H46-3	Non-Existent		STAR FAIR695 PGC 47346
NGC 5174	H45-3	Non-Existent		
NGC 5162		Glxy S0	15.1	NGC 5174 PGC 47318 UGC 8472 CGCG 72-84
NGC 5167		Glxy Sc	14.6	MCG 2-34-17 CGCG 72-80 IRAS 13261+1258 PGC 47277
NGC 5165		Glxy L	14.6	MCG 2-34-16 CGCG 72-78 PGC 47281
IC 890		Glxy		
NGC 5160		Non-Existent		

## Virgo - The Virgin

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 5159		Glxy Sd	14.8	UGC 8460 MCG 1-34-22 CGCG 44-88 PGC 47235
NGC 5148		Glxy SB(s)d?	14.8	MCG 1-34-21 CGCG 44-86 PGC 47060
IC 889		Glxy	15.5	CGCG 72-74 PGC 47050
NGC 5146	H115-3	Glxy E/S0	13.1	MCG -2-34-49 PGC 47055
NGC 5147	H25-2	Glxy SB(s)dm	12.3	UGC 8443 MCG 0-34-33 CGCG 16-69 IRAS 13237+221 PGC 47027
IC 888		Non-Existent		
NGC 5133		Glxy E/S0	12.6	MCG -1-34-15 IRAS 13222-346 PGC 46909
NGC 5136	H84-3	Glxy	15	IC 888 PGC 46905 MCG 2-34-15 CGCG 72-70 ARAK416 IRAS 13223+1359
IC 4237		Glxy SB(r)b?	13.2	ESO 576-48 MCG -3-34-68 IRAS 13218-2052 PGC 46878
NGC 5130		Glxy S0	14.5	MCG -2-34-44 PGC 46866
IC 887		Non-Existent		
NGC 5125		Glxy Sb	13.2	UGC 8421 MCG 2-34-11 CGCG 72-62 IRAS 13214+958 PGC 46827
NGC 5119		Glxy S0/a	13	MCG -2-34-42 PGC 46826
IC 4235		Glxy		
IC 886		Glxy		
IC 4236		Non-Existent		
NGC 5118	H925-3	Glxy Scd:	14.4	IC 4236 PGC 46782 UGC 8413 MCG 1-34-19 CGCG 44-78 IRAS 13209+639
NGC 5115		Glxy SBcd:	14.4	UGC 8408 MCG 2-34-10 CGCG 72-57 PGC 46754
NGC 5111	H119-3	Non-Existent		NGC 5110 PGC 46737 MCG -2-34-41
IC 884		Non-Existent		
NGC 5110		Glxy E		NGC 5111 PGC 46719
IC 4229		Glxy (R')SB(r)b pec:	14.2	UGC 8404 MCG 0-34-32 CGCG 16-62 IRAS 13198-209 PGC 46717
NGC 5105		Glxy SB(rs)c	11.7	MCG -2-34-39 IRAS 13191-1256 PGC 46664
NGC 5106	H22-2	Glxy		
NGC 5104		Glxy Sa:	14.6	UGC 8391 MCG 0-34-31 CGCG 16-57 IRAS 13188+36 PGC 46633
NGC 5099		Glxy E	15.6	PGC 46627
NGC 5097		Glxy E	16.5	2SZ37 PGC 46602
NGC 5100		Non-Existent		NGC 5106-1 PGC 46599 UGC 8389 MCG 2-34-9 CGCG 72-50 IRAS 13184+914
NGC 5094	H539-3	Glxy E	14.2	MCG -2-34-37 PGC 46580
NGC 5095		Glxy (R')SB(r)0+:	14.7	UGC 8381 MCG 0-34-29 CGCG 16-54 PGC 46561
NGC 5088		Glxy SAB(s)bc:	13.2	MCG -2-34-34 IRAS 13176-1218 PGC 46535
NGC 5080		Glxy E/S0	14.6	MCG 2-34-7 CGCG 72-46 PGC 46440
NGC 5070		Glxy S0/a	15.5	NGC 5072 PGC 46437 MCG -2-34-23
NGC 4885		Glxy Pec	13.9	MCG -1-33-65 IRAS 12579-635 PGC 44781
NGC 4877	H299-2	Glxy SA(s)ab:	13.2	MCG -2-33-86 IRAS 12577-1500 PGC 44761
NGC 4878	H758-3	Glxy SB(r)0+	14.5	MCG -1-33-64 PGC 44747
NGC 4863		Glxy SB(rs)0+	14.4	MCG -2-33-81 PGC 44650
NGC 4862		Glxy SB(s)c	15.7	IC 3999 PGC 44610 MCG -2-33-79
IC 3999		Non-Existent		
NGC 4855		Glxy (R')SB(s)0- pec	13.1	MCG -2-33-77 PGC 44572
IC 840		Glxy SBa:	14.5	UGC 8090 MCG 2-33-40 CGCG 71-86 PGC 44495
NGC 4847		Glxy E	17.7	PGC 44464
NGC 4844		Non-Existent		
NGC 4843	H613-3	Glxy SA(r)0/a?	14	MCG 0-33-24 CGCG 15-48 PGC 44388
NGC 4838		Glxy (R')SB(r)b:	13.5	MCG -2-33-74 IRAS 12552-1247 PGC 44383

## Virgo - The Virgin

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 4836		Glxy SAB(rs)d pec:	13.3	MCG -2-33-72 IRAS 12549-1228 PGC 44328
NGC 4830		Glxy SAB0-	13.1	ESO 575-37 MCG -3-33-24 PGC 44313
NGC 4829		Glxy S0/a	17.4	PGC 44305
NGC 4823		Glxy E	17.2	PGC 44299
NGC 4825	H563-2	Glxy SA0-	12.7	MCG -2-33-70 PGC 44261
NGC 4822		Glxy S0-	14.3	MCG -2-33-69 PGC 44236
NGC 4820		Glxy S0 sp	15.6	MCG -2-33-67 PGC 44227
NGC 4818	H549-2	Glxy SAB(rs)ab pec:	12	MCG -1-33-57 IRAS 12542-815 PGC 44191
IC 833		Glxy		
IC 3908		Glxy SB(s)d?	14.5	MCG -1-33-56 IRAS 12540-717 PGC 44166
NGC 4813	H777-2	Glxy S0^	14.5	MCG -1-33-55 PGC 44160
NGC 4808	H141-1	Glxy SA(s)cd:	12.4	UGC 8054 MCG 1-33-28 CGCG 43-71 IRAS 12532+434 PGC 44086
NGC 4803		Glxy Compact	15.4	MCG 2-33-36 CGCG 71-73 CGCG 43-69 PGC 44061
NGC 4799	H548-3	Glxy S?	14.3	UGC 8043 MCG 1-33-25 CGCG 43-66 IRAS 12526+310 PGC 44017
IC 3883		Glxy Sb	15	MCG -1-33-49 IRAS 12526-750 PGC 44016
NGC 4796		Glxy (R')SB(r)a pec:	12.1	NGC 4795 UGC 8037 MCG 1-33-24 CGCG 43-64 PGC 43998
NGC 4795	H21-2	Glxy SB0-a	12.2	
NGC 4790	H560-2	Glxy SB(rs)c:?	12.8	MCG -2-33-56 IRAS 12522-958 PGC 43972
NGC 4791		Glxy S	14.5	MCG 1-33-21 CGCG 43-60 PGC 43950
NGC 4784	H526-3	Glxy S0 sp	15	MCG -2-33-53 PGC 43929
NGC 4786	H187-2	Glxy E+ pec	12.7	MCG -1-33-46 PGC 43922
IC 3859		Glxy		
NGC 4780		Glxy SAB(rs)c	14.6	MCG -1-33-45 IRAS 12515-821 PGC 43870
NGC 4780A		Glxy Sb	14.8	
NGC 4777	H517-3	Glxy (R)SAB(s)a:	14.5	MCG -1-33-44 PGC 43852
NGC 4779	H106-3	Glxy SB(rs)bc	13.2	UGC 8022 MCG 2-33-34 MK 781 CGCG 71-68 IRAS 12513+958 PGC 43837
NGC 4775	H186-2	Glxy SA(s)d	11.7	MCG -1-33-43 UGC A306 IRAS 12511-621 PGC 43826
NGC 4773	H516-3	Glxy E+ pec:	14.9	MCG -1-33-41 PGC 43810
NGC 4770	H525-3	Glxy S0/a:	13.8	MCG -1-33-40 PGC 43804
NGC 4772	H24-2	Glxy SA(s)a	12	UGC 8021 MCG 0-33-18 CGCG 15-32 PGC 43798
NGC 4771	H535-2	Glxy SAd? sp	12.9	UGC 8020 MCG 0-33-17 CGCG 15-31 IRAS 12507+132 PGC 43784
NGC 4769		Non-Existent		
NGC 4768		Non-Existent		
NGC 4765	H544-3	Glxy S0/a?	13.4	UGC 8018 MCG 1-33-20 CGCG 43-54 ARAK391 VV 366 IRAS 12507+444 PGC 43775
NGC 4759B		Non-Existent		
NGC 4776		Non-Existent		NGC 4759
NGC 4759A		Non-Existent		
IC 828		Glxy		
NGC 4746		Glxy Sb: sp	13.4	UGC 8007 MCG 2-33-29 CGCG 71-60 IRAS 12494+1221 PGC 43601
NGC 4739	H515-3	Glxy E+ pec:	13.4	MCG -1-33-29 PGC 43571
NGC 4731A		Glxy Irr	11.8	
NGC 4734		Glxy Sc?	14.2	UGC 7998 MCG 1-33-19 CGCG 43-45 IRAS 12486+507 PGC 43525
NGC 4733	H73-2	Glxy E+:	11.8	UGC 7997 MCG 2-33-28 CGCG 71-54 VCC2087 PGC 43516
NGC 4731	H41-1	Glxy SB(s)cd	11.9	MCG -1-33-26 UGC A302 IRAS 12484-607 PGC 43507
NGC 4720	H611-3	Glxy E/S0	15	MCG -1-33-24 IRAS 12481-352 PGC 43478

## Virgo - The Virgin

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 3826		Glxy S0^	13.6	MCG -1-33-25 PGC 43473
NGC 4717		Glxy SB(rs)a pec?	15.1	MCG -1-33-23 PGC 43467
NGC 4716		Glxy S0^ pec?	14.3	MCG -1-33-21 PGC 43464
NGC 4718		Glxy SB(rs)b? sp	14.7	MCG -1-33-20 IRAS 12479-500 PGC 43463
IC 825		Glxy		
NGC 4713	H140-1	Glxy SAB(rs)d	12.2	UGC 7985 MCG 1-33-18 CGCG 43-41 IRAS 12474+534 PGC 43413
IC 3812		Glxy Sc	15.8	MCG -1-33-19 IRAS 12472-626 PGC 43409
IC 3684		Glxy		
IC 810		Glxy S0?	14.4	UGC 7864 MCG 2-32-185 CGCG 70-226 VCC1912 PGC 42643
IC 3672		Non-Existent		IC 809 IC 3672 UGC 7863 MCG 2-32-184 CGCG 70-225 VCC1910 PGC 42638
IC 809		Glxy E	14.5	IC 809 IC 3672 UGC 7863 MCG 2-32-184 CGCG 70-225 VCC1910 PGC 42638
NGC 4620		Glxy S0	13.2	UGC 7859 MCG 2-32-182 CGCG 70-224 VCC1902 PGC 42619
IC 3670		Glxy		
IC 3666		Non-Existent		(STAR)
IC 3665		Glxy Im:	15.1	UGC 7855 MCG 2-32-180 CGCG 70-220 VCC1890 PGC 42598
IC 3663		Glxy		
NGC 4610	H19-2	Non-Existent		
IC 3653		Glxy E?	14.8	MCG 2-32-178 CGCG 70-215 VCC1871 PGC 42550
IC 804		Glxy		
NGC 4607		Glxy SBb? sp	13.8	UGC 7843 MCG 2-32-176 CGCG 70-216 VCC1868 IRAS 12386+1209 PGC 42544
IC 3652		Glxy E	14.7	UGC 7838 MCG 2-32-175 CGCG 70-212 VCC1861 PGC 42521
NGC 4606	H43-3	Glxy SB(s)a:	12.7	UGC 7839 MCG 2-32-174 CGCG 70-213 VCC1859 IRAS 12384+1211 PGC 42516
IC 3648		Non-Existent		(STAR)
IC 3647		Glxy Im:	14.5	UGC 7834 MCG 2-32-173 CGCG 70-211 VCC1857 PGC 42503
NGC 4604		Glxy Im: sp	13.2	MCG -1-32-37 IRAS 12381-501 PGC 42489
IC 3643		Glxy		
NGC 4599	H509-3	Glxy SA0/a sp	13.6	UGC 7833 MCG 0-32-34 CGCG 14-99 PGC 42453
NGC 4600	H577-2	Glxy S0	13.7	UGC 7832 MCG 1-32-128 CGCG 42-198 VCC1834 PGC 42447
IC 3638		Glxy Sbc(r)II	14.5	MCG 2-32-172 CGCG 70-210 VCC1830 PGC 42435
IC 3635		Glxy Scd?	15	UGC 7830 CGCG 70-209 VCC1828 PGC 42430
NGC 4598	H105-3	Glxy SB0	13.7	UGC 7829 MCG 2-32-171 CGCG 70-207 VCC1827 PGC 42427
IC 3634		Glxy		
IC 3633		Glxy E	15.2	CGCG 70-208 VCC1826 PGC 42426
IC 3631		Glxy S?	14.6	UGC 7825 MCG 2-32-169 CGCG 70-204 VCC1809 PGC 42389
IC 3625B		Glxy E	16.7	MCG 2-32-166 VCC1803 PGC 42372
IC 3624		Glxy		
IC 3625		Glxy L	15.5	CGCG 70-203 VCC1799 PGC 42364
IC 3625A		Glxy	15.5	MCG 2-32-165 ARAK384 PGC 42361
IC 3617		Glxy Im	14.4	UGC 7822 MCG 1-32-127 DDO140 CGCG 42-194 VCC1791 PGC 42348
NGC 4591	H504-3	Glxy S?	14	NGC 4577 PGC 42319 UGC 7821 MCG 1-32-125 CGCG 42-191 VCC1780 IRAS 12366+617
NGC 4588	H98-3	Glxy Scd:	15	UGC 7810 MCG 1-32-124 CGCG 42-189 VCC1772 PGC 42277
NGC 4587		Glxy SA(r)0^:	14.5	UGC 7805 MCG 1-32-123 CGCG 42-188 VCC1763 PGC 42253
IC 3607		Glxy		
IC 3606		Glxy		

## Virgo - The Virgin

Observed: No

Object	No	Her	Type	Mag	Alias/Notes
IC	3604		Glxy		
NGC	4584		Glxy SAB(s)a?	13.8	UGC 7803 MCG 2-32-162 CGCG 70-199 VCC1757 PGC 42223
NGC	4582		Non-Existent		
IC	3602		Glxy E	15.3	CGCG 70-198 VCC1743 PGC 42205
NGC	4581		Glxy E+	13.3	UGC 7801 MCG 0-32-28 CGCG 14-83 PGC 42199
NGC	4576		Glxy SAB(rs)bc:	14.2	UGC 7792 MCG 1-32-116 CGCG 42-182 VCC1721 PGC 42152
NGC	4577	H13-3	Non-Existent		
IC	3591		Glxy IBm	14.4	IC 3589 UGC 7790 MCG 1-32-115 MK 1329 CGCG 42-179 VCC1699 PGC 42108
IC	3589		Non-Existent		
IC	3586		Glxy dS0:	14.6	MCG 2-32-157 CGCG 70-193 VCC1695 PGC 42099
IC	3584		Non-Existent		
IC	3578		Glxy Sc	15.3	UGC 7782 MCG 2-32-153 CGCG 70-190 VCC1684 PGC 42079
IC	3577		Non-Existent		(STAR)
IC	3576		Glxy Sm	14	UGC 7781 MCG 1-32-112 DDO138 CGCG 42-176 VCC1678 PGC 42074
IC	3574		Glxy		
IC	3573		Glxy		
IC	3572		Non-Existent		
IC	3566		Non-Existent		
IC	3558		Glxy		
IC	3562		Glxy I?	15.7	CGCG 70-185 VCC1654 PGC 42021
NGC	4560	H119-1	Non-Existent		
IC	3548		Glxy		
IC	3542		Glxy		
NGC	4554		Non-Existent		
NGC	4551	H37-1	Glxy E:	13	UGC 7759 MCG 2-32-148 CGCG 70-183 VCC1630 PGC 41963
NGC	4544		Glxy SB0/a? sp	14	UGC 7756 MCG 1-32-110 CGCG 42-168 VCC1624 PGC 41958
IC	3540		Glxy S0?	14.9	MCG 2-32-146 CGCG 70-180 ARAK379 VCC1614 PGC 41936
NGC	4292A		Glxy E-S0	15	
IC	3192		Glxy		
IC	3191		Non-Existent		(STAR)
IC	3190		Non-Existent		
IC	3188		Glxy S?	15.3	MCG 2-32-8 CGCG 70-22 VCC442 PGC 39872
IC	3187		Glxy S R	15.4	CGCG 70-23 VCC443 PGC 39871
NGC	4287		Glxy S (on-edge)	14.9	MCG 1-32-14 CGCG 42-37 VCC434 PGC 39860
IC	3183		Non-Existent		
IC	3182		Non-Existent		(STAR)
NGC	4285		Glxy Sa	14.5	MCG -2-32-4 PGC 39842
IC	3175		Glxy S?	16	CGCG 70-19 VCC424 PGC 39831
IC	3173		Glxy S	15.3	CGCG 70-21 VCC420 PGC 39823
IC	3174		Glxy S R	15.2	CGCG 70-20 VCC419 PGC 39822
IC	3170		Glxy Sbc(s)I-II	14.9	MCG 2-32-7 CGCG 70-18 VCC417 PGC 39816
NGC	4279		Glxy (R)SB(r)0+:	14.5	MCG -2-32-3 PGC 39812
IC	3114		Non-Existent		
NGC	4280		Non-Existent		
IC	3167		Glxy dSB0(3),N:	14.8	CGCG 70-17 VCC407 PGC 39795

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Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 4276		Glxy SB?	13.4	UGC 7385 MCG 1-32-10 CGCG 42-32 VCC393 IRAS 12175+757 PGC 39765
IC 3162		Non-Existent		(STAR)
IC 3163		Non-Existent		(STAR)
IC 3161		Non-Existent		(STAR)
IC 3160		Non-Existent		(STAR)
IC 3159		Glxy		
IC 3158		Non-Existent		(STAR)
IC 3157		Glxy L	15.2	CGCG 70-12 VCC374 PGC 39716
IC 3156		Glxy SBc(s):	14.8	MCG 2-32-3 CGCG 70-11 VCC363 PGC 39703
IC 3151		Glxy SBa(r)l	14.9	MCG 2-32-2 CGCG 70-10 VCC356 PGC 39682
IC 3150		Glxy	16.2	CGCG 42-17 VCC352 PGC 39673
IC 3149		Glxy SB?	15.1	MCG 2-31-93 CGCG 70-9 VCC348 PGC 39664
IC 3148		Glxy SB?	15	MCG 1-31-55 CGCG 42-16 VCC343 PGC 39658
IC 3147		Non-Existent		
IC 776		Glxy Sdm	14.3	UGC 7352 MCG 2-31-88 CGCG 70-5 VV 614 VCC318 PGC 39613
IC 3139		Non-Existent		(STAR)
IC 3138		Glxy		
IC 3137		Glxy		
IC 3136		Glxy S	14.9	UGC 7349 MCG 1-31-48 CGCG 42-5 VCC314 IRAS 12163+627 PGC 39601
IC 3134		Glxy S	15.2	CGCG 70-3 VCC313 PGC 39593
NGC 4255		Glxy SB(r)0^	13.8	UGC 7348 MCG 1-31-47 CGCG 42-4 ARAK355 VCC312 PGC 39592
IC 3133		Non-Existent		(STAR)
IC 775		Glxy SB0- pec:	13.3	UGC 7350 MCG 2-31-87 CGCG 70-4 VCC311 PGC 39587
IC 3132		Non-Existent		IC 3132 IC 3131 MCG 1-31-46 CGCG 42-3 VCC308 PGC 39583
IC 3131		Glxy S0-a	13.8	IC 3132 IC 3131 MCG 1-31-46 CGCG 42-3 VCC308 PGC 39583
IC 3130		Non-Existent		(STAR)
IC 774		Glxy		
IC 3129		Non-Existent		
IC 3128		Glxy Sc	14.2	
IC 3127		Glxy Sbc(s)l-II	15.4	MCG 2-31-84 CGCG 69-138 CGCG 70-1 VCC295 PGC 39546
NGC 4252		Glxy Sb? sp	14.8	UGC 7343 MCG 1-31-45 CGCG 41-76 VCC289 PGC 39537
IC 3124		Non-Existent		(STAR)
IC 3123		Non-Existent		
IC 3121		Glxy Sc	17.5	
IC 3118		Glxy Im:	14.7	UGC 7339 MCG 2-31-83 CGCG 69-135 VCC275 PGC 39503
NGC 4202		Glxy SAB(rs)bc	14.4	UGC 7337 MCG 0-31-46 CGCG 13-121 PGC 39495
IC 773		Glxy SB0+?	14.5	MCG 1-31-44 CGCG 41-73 VCC271 IRAS 12155+625 PGC 39493
IC 3117		Non-Existent		(STAR)
IC 3115		Non-Existent		UGC 7333 MCG 1-31-40 CGCG 41-69 VV 431 VCC267 PGC 39483
NGC 4249		Glxy S0_1_(0)	14.9	MCG 1-31-39 CGCG 41-68 VCC266 PGC 39481
NGC 4246	H91-3	Glxy SA(s)c	13.4	IC 3113 PGC 39479 UGC 7334 MCG 1-31-41 CGCG 41-70 VCC264
IC 3113		Non-Existent		UGC 7334 MCG 1-31-41 CGCG 41-70 VCC264 PGC 39479
NGC 4247		Glxy (R)SAB(s)ab pec	14.4	MCG 1-31-42 CGCG 41-71 VCC265 IRAS 12153+733 PGC 39480
IC 3111		Glxy S	15.2	CGCG 69-132 VCC259 PGC 39464
IC 3106		Non-Existent		(STAR)

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Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 3107		Glxy S?	14.2	UGC 7330 MCG 2-31-82 CGCG 69-133 VCC257 PGC 39458
IC 3109		Glxy Sc(s)l	15	CGCG 69-134 VCC251 PGC 39451
IC 3105		Glxy Im:	14.7	UGC 7326 MCG 2-31-80 CGCG 69-130 VV 432 VCC241 PGC 39431
IC 3103		Non-Existent		(STAR)
IC 3102		Non-Existent		UGC 7319 MCG 1-31-38 CGCG 41-65 VCC234 PGC 39412
NGC 4243		Non-Existent		NGC 4240 PGC 39411 MCG -2-31-29
NGC 4240		Glxy E	12.7	
IC 3101		Glxy E	15.3	CGCG 69-128 VCC230 PGC 39405
IC 3098		Non-Existent		UGC 7310 MCG 1-31-36 CGCG 41-62 VCC222 PGC 39389
NGC 4234		Glxy (R')SB(s)m	13.3	UGC 7309 MCG 1-31-35 CGCG 41-61 VCC221 IRAS 12146+357 PGC 39388
IC 3100		Glxy S0?	14.8	UGC 7312 CGCG 69-125 VCC218 PGC 39381
IC 3097		Glxy E	15.2	CGCG 69-124 VCC216 PGC 39375
IC 3092		Glxy		
NGC 4223	H137-2	Glxy		
IC 3090		Non-Existent		(STAR)
IC 3088		Non-Existent		(STAR)
IC 3086		Non-Existent		(STAR)
IC 3085		Non-Existent		(STAR)
IC 3087		Non-Existent		(STAR) UGC 7291 MCG 2-31-75 CGCG 69-119 VCC187 IRAS 12138+1334 PGC 39308
IC 3083		Non-Existent		
IC 3081		Glxy E	15.4	MCG 2-31-74 CGCG 69-117 VCC178 PGC 39282
IC 3076		Non-Existent		(STAR)
IC 3079		Glxy SB	15.4	CGCG 69-116 VCC177 PGC 39273
IC 3078		Glxy Sb(r) l;	15.1	MCG 2-31-73 MK 764 CGCG 69-114 VCC174 KUG 1213+129 PGC 39263
NGC 4215	H135-2	Glxy SA(r)0+: sp	13	UGC 7281 MCG 1-31-31 CGCG 41-55 ARAK352 VCC166 PGC 39251
IC 3072		Non-Existent		(STAR)
NGC 4207		Glxy S?	13.5	UGC 7268 MCG 2-31-69 CGCG 69-107 VCC152 IRAS 12129+951 PGC 39206
IC 3071		Non-Existent		
IC 3070		Non-Existent		(STAR)
IC 3069		Glxy		
IC 3068		Glxy		
IC 3064		Non-Existent		UGC 7260 MCG 2-31-66 CGCG 69-104 VCC145 IRAS 12127+1318 PGC 39183
IC 3063		Glxy Sa	14.8	UGC 7259 MCG 2-31-64 CGCG 69-102 VCC135 PGC 39160
IC 3060		Glxy Sab	14.8	MCG 2-31-61 CGCG 69-99 VCC129 PGC 39147
NGC 4200	H164-2	Glxy S0	13.9	UGC 7251 MCG 2-31-57 CGCG 69-96 VCC122 PGC 39124
NGC 4201		Glxy S0	14.4	MCG -2-31-24 IRAS 12120-1118 PGC 39120
IC 3055		Glxy		
IC 3052		Glxy		
NGC 4193	H163-2	Glxy SAB(s)c:?	12.3	IC 3051 PGC 39040 UGC 7234 MCG 2-31-53 CGCG 69-91 VCC97 IRAS 12113+1326
IC 3051		Non-Existent		UGC 7234 MCG 2-31-53 CGCG 69-91 VCC97 IRAS 12113+1326 PGC 39040
NGC 4191		Glxy S0	13.8	UGC 7233 MCG 1-31-26 CGCG 41-49 VCC94 PGC 39034
NGC 4182		Non-Existent		
IC 3048		Non-Existent		(STAR)
IC 3047		Glxy		

## Virgo - The Virgin

Observed: No

Object	Her	Type	Mag	Alias/Notes
IC 3046		Glxy S?	15.3	UGC 7220 MCG 2-31-52 CGCG 69-90 VCC76 PGC 38977
NGC 4180	H133-2	Glxy Sab:	13.5	NGC 4182 PGC 38964 UGC 7219 MCG 1-31-25 CGCG 41-48 VCC73 IRAS 12104+719 (STAR)
IC 3045		Non-Existent		
IC 770		Glxy		
IC 3043		Glxy		
IC 3042		Non-Existent		NGC 4178 UGC 7215 MCG 2-31-50 CGCG 69-88 VCC66 PGC 38943
IC 3041		Glxy		
NGC 4176		Glxy Sb	15.8	PGC 38928
IC 3040		Glxy S?	15.3	MCG 2-31-49 CGCG 69-86 VCC60 PGC 38922
IC 3038		Glxy S	15.3	CGCG 69-82 VCC57 PGC 38920
IC 3039		Glxy S?	15.4	MCG 2-31-48 CGCG 69-84 VCC59 KUG 1209+125 PGC 38919
IC 769		Glxy SA(rs)bc	13.4	UGC 7209 MCG 2-31-47 CGCG 69-83 VCC58 IRAS 12099+1224 PGC 38916
IC 3037		Glxy S	15.4	CGCG 69-80 VCC51 PGC 38894
IC 3036		Glxy Sm	14.3	UGC 7200 CGCG 69-77 VCC48 PGC 38888
IC 3035		Non-Existent		NGC 4165 UGC 7201 MCG 2-31-45 CGCG 69-78 VCC47 KUG 1209+135 PGC 38885
IC 768		Glxy Scd:	14.5	UGC 7192 MCG 2-31-44 CGCG 69-75 VCC38 KUG 1209+124 PGC 38848
IC 767		Glxy E?	14.8	MCG 2-31-42 MK 760 CGCG 69-73 VCC32 PGC 38792
IC 3028		Glxy		
IC 3025		Glxy S0?	15.4	MCG 2-31-40 CGCG 69-69 VCC21 PGC 38726
IC 3024		Glxy S?	15.1	UGC 7161 MCG 2-31-39 CGCG 69-68 VCC18 IRAS 12076+1236 PGC 38709
IC 3021		Glxy Sm	14.9	UGC 7149 CGCG 69-67 VCC15 PGC 38684
IC 3016		Glxy SB	15.2	CGCG 69-63 VCC7 PGC 38620
NGC 4130		Non-Existent		NGC 4129 PGC 38580 MCG -1-31-6 IRAS 12063-845
NGC 4129	H548-2	Glxy SBab	12.5	
IC 3013		Glxy S R	15.1	MCG 2-31-37 CGCG 69-60 PGC 38547
IC 3012		Glxy	15.2	CGCG 69-61 PGC 38546
IC 3011		Non-Existent		NGC 4124 UGC 7117 MCG 2-31-36 CGCG 69-58 IRAS 12055+1039 PGC 38527
IC 3009		Non-Existent		
NGC 4119	H14-2	Glxy		
NGC 4078		Glxy S0?	14.2	NGC 4107 PGC 38238 UGC 7066 MCG 2-31-23 CGCG 69-43
IC 2990		Glxy	15.4	MCG 2-31-22 CGCG 69-42 PGC 38219
NGC 4140		Non-Existent		NGC 4077 PGC 38218 UGC 7063 MCG 0-31-31 CGCG 13-63
NGC 4077	H258-3	Glxy S0	13.3	
NGC 4075		Glxy SA(r)0+	14.5	MCG 0-31-32 CGCG 13-64 PGC 38216
NGC 4139		Glxy SB(rs)0^	14.7	IC 2989 PGC 38213 MCG 0-31-30 CGCG 13-61
IC 2989		Non-Existent		NGC 4139 MCG 0-31-30 CGCG 13-61 PGC 38213
NGC 4067	H37-3	Glxy SA(s)b:	13.3	UGC 7048 MCG 2-31-19 CGCG 69-36 IRAS 12016+1107 PGC 38168
IC 754		Glxy E+	14.1	UGC 6984 MCG 0-31-13 CGCG 13-25 PGC 37757
IC 753		Glxy SB(r)0^	15.2	UGC 6979 MCG 0-31-12 CGCG 13-23 ARAK340 PGC 37745
NGC 4012		Glxy Sb	14.3	UGC 6960 MCG 2-31-6 CGCG 69-9 PGC 37686
NGC 4006		Glxy E pec:	13.6	IC 2983 UGC 6951 MCG 0-31-6 CGCG 13-15 PGC 37655
IC 2983		Non-Existent		NGC 4006 UGC 6951 MCG 0-31-6 CGCG 13-15 PGC 37655
IC 748		Glxy	16	MCG 1-31-6 CGCG 41-11 ARAK336 IRAS 11548+744 PGC 37600
IC 747		Glxy		

## Virgo - The Virgin

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 3976A		Glxy S0-a	14.9	
NGC 3914	H90-3	Glxy (R')SB(rs)b	14	UGC 6809 MCG 1-30-17 CGCG 40-50 IRAS 11479+650 PGC 37014
IC 741		Glxy S0/a	14	MCG -1-30-37 PGC 37008
NGC 3907		Glxy SB(s)0-:	13.1	UGC 6796 MCG 0-30-28 CGCG 12-94 PGC 36941
NGC 3907A		Non-Existent		
IC 2963		Glxy S0+: sp	14.5	MCG -1-30-36 IRAS 11468-450 PGC 36933
NGC 3907B		Glxy Sb	13.8	
NGC 3915	H113-3	Glxy Sm	15.9	IC 2963 PGC 36895
IC 724		Glxy Sa	13.4	UGC 6695 MCG 2-30-22 CGCG 68-45 IRAS 11409+913 PGC 36450
IC 725		Glxy E:	14.9	CGCG 12-65 PGC 36444
IC 722		Glxy S?	14.5	MCG 2-30-19 CGCG 68-39 PGC 36365
IC 720		Glxy S?	14.3	MCG 2-30-16 CGCG 68-35 PGC 36333
NGC 3818	H284-3	Glxy E5	12.7	MCG -1-30-23 UGC A243 PGC 36304
IC 719		Glxy S0?	14.1	UGC 6633 MCG 2-30-8 CGCG 68-21 ARAK308 IRAS 11377+917 PGC 36205
IC 718		Glxy Im:	14.5	UGC 6626 MCG 2-30-7 CGCG 68-18 PGC 36174
NGC 3792		Non-Existent		
IC 716		Glxy Sbc pec sp	14.8	UGC 6612 MCG 0-30-18 CGCG 12-47 KARA492 PGC 36102
IC 738		Glxy Sm	15.9	PGC 36895
NGC 3874	H104-3	Non-Existent		
IC 730		Non-Existent		MCG 1-30-13 CGCG 40-40 IRAS 11430+330 PGC 36658
NGC 3876	H103-3	Glxy Sab:	13.7	UGC 6730 MCG 2-30-29 CGCG 68-55 IRAS 11428+926 PGC 36644
NGC 3863		Glxy Sbc	13.6	UGC 6722 MCG 2-30-28 CGCG 68-54 IRAS 11425+844 PGC 36607
IC 728		Glxy SB(rs)b	14.4	UGC 6720 MCG 0-30-21 CGCG 12-71 IRAS 11422-119 PGC 36580
NGC 3852	H36-3	Non-Existent		
NGC 3849		Glxy		
NGC 3843		Glxy S0/a	14.5	UGC 6699 MCG 1-30-11 CGCG 40-34 PGC 36471
NGC 3776		Glxy Sb	15.8	CGCG 12-45 PGC 36048

**Sub Total: 964**

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
ABELL 36		PI Neb	11.8	PK 318+41.1
IC 1039		Glxy L	15.5	CGCG 47-133 PGC 52428
IC 1041		Glxy Sb	15.2	MCG 1-37-45 CGCG 47-134 PGC 52434
IC 896		Glxy E	13.8	UGC 8545 MCG 1-35-7 CGCG 45-27 PGC 47794
IC 771		Glxy SB?	14.8	MCG 2-31-67 CGCG 69-105 VCC142 KUG 1212+134 PGC 39176
IC 1042		Glxy S0?	14.3	UGC 9457 MCG 1-37-46 CGCG 47-135 ARP 171 PGC 52433
IC 1070		Glxy	15.6	CGCG 48-59 PGC 53245
PGC 36325		Glxy Pec	14.7	UGC 6665 MCG 0-30-19 MK 1304 CGCG 12-61 ARAK312 UM448 ARP 161 IRAS 11396+36
PGC 43728		Glxy Sab	14.2	UGC 8015 MCG 2-33-32 CGCG 71-64 ANON 1250+10
PGC 43690		Glxy SAB(s)ab pec?	15	MCG -1-33-34 MK 1337 IRAS 12499-930
PGC 43679		Glxy Scd: sp	16	MCG -1-33-32 UGC A304
PGC 42846		Glxy E	15.6	CGCG 71-18 VCC1982
PGC 42230		Glxy Scd:	15	UGC 7802 MCG 1-32-121 CGCG 42-186 CGCG 48-186 VCC1758

## Virgo - The Virgin

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
PGC 41264		Glxy C	15	VCC1254 8ZW189
PGC 41185		Glxy E?	15.3	VCC1203
PGC 40659		Glxy E	16.7	VCC882
PGC 40621		Glxy Scd:	14.5	UGC 7522 MCG 1-32-58 CGCG 42-99 VCC859 IRAS 12234+342
PGC 47365		Glxy	15.7	CGCG 72-96
PGC 47341		Glxy	15.7	CGCG 72-88
PGC 47072		Glxy Sd? sp	14.5	MCG -2-34-51
PGC 46975		Glxy S?	15.4	Hickson 64A
PGC 46972		Glxy S	16.3	Hickson 64B
PGC 46971		Glxy S	17.5	Hickson 64D
PGC 46859		Glxy	15.4	CGCG 72-67
PGC 46850		Glxy S	15.6	MCG 2-34-13 CGCG 72-66 VV 513
PGC 46108		Glxy S0/a	15.1	MCG -3-34-33
PGC 52452		Glxy	15.5	CGCG 47-140
PGC 52451		Glxy	15.4	CGCG 47-141
PGC 52423		Glxy C	15.6	CGCG 47-131
PGC 52129		Glxy		MCG 1-37-36 VV 458 ARP 274
PGC 49040		Glxy S?	15.7	MCG -1-35-15 VV 135 Hickson 67C
PGC 49036		Glxy S0 pec?	15.8	Hickson 67D
PGC 49017		Glxy Sb sp	15.1	MCG -1-35-13 IRAS 13463-656 Hickson 67B
PGC 48118		Glxy SB	15	UGC 8613 MCG 1-35-18 CGCG 45-51 VV 6 ARP 33
PGC 48117		Glxy S	15.3	MCG 1-35-19 CGCG 45-52 VV 6 ARP 326
PGC 48105		Glxy Sa	15.4	UGC 8610 MCG 1-35-16 CGCG 45-49 VV 6 ARP 326
PGC 47784		Glxy Sb	14.5	UGC 8543 MCG 1-35-6 CGCG 45-25
PGC 45911		Glxy SB(s)cd? sp	14	ESO 576-11 MCG -3-34-18 IRAS 13103-1942
PGC 45084		Glxy IB(s)m sp	13.5	MCG -3-33-30 UGC A320 DDO161 ANON 1300-17
PGC 45006		Glxy Sc: sp	14.6	MCG -3-33-28 IRAS 12597-1724
PGC 44931		Glxy Sc: sp	15.2	MCG -1-33-71 IRAS 12591-804
PGC 44358		Glxy Sd: sp	13.5	MCG -1-33-60 UGC A311 IRAS 12551-921
PGC 44254		Glxy Sb pec sp	14.2	UGC 8067 MCG 0-33-22 CGCG 15-44 IRAS 12546-126
PGC 43944		Glxy S	14.1	UGC 8032 MCG 2-33-35 CGCG 71-71 ANON 1252+13
PGC 43762		Glxy	15.5	CGCG 71-66
PGC 46489		Glxy SA(rs)0^	13.9	ESO 576-31 MCG -4-32-2
PGC 46277		Glxy E+	15.5	MCG -3-34-42
PGC 46261		Glxy Sc: sp	15.9	MCG -3-34-41
PGC 36742		Glxy SB(s)c pec	14.3	Wild's Triplet MCG -1-30-34 VV 35 ARP 248 ANON 1144-3C
PGC 39247		Glxy L	15.1	CGCG 69-113 VCC165
PGC 39649		Glxy E	16.2	VCC336
PGC 39660		Glxy E	15.3	VCC344
PGC 39655		Glxy	15.4	MCG 1-31-53 CGCG 42-14 VCC340
PGC 36733		Glxy SB(s)b: pec	13.7	Wild's Triplet MCG -1-30-33 VV 35 ARP 248 ANON 1144-3B
PGC 36723		Glxy SAB(rs)b? pec	14.2	Wild's Triplet MCG -1-30-32 VV 35 ARP 248 ANON 1144-3A
IC 3074		Glxy SB(s)dm: sp	14.7	UGC 7279 MCG 2-31-71 CGCG 69-111 VCC162 PGC 39233
IC 3311		Glxy Sdm:	14.9	UGC 7510 MCG 2-32-38 CGCG 70-63 VCC809 KUG 1223+125 PGC 40530
IC 3474		Glxy Sd sp	14.8	UGC 7687 MCG 1-32-91 CGCG 42-145 VCC1442 PGC 41599

## Virgo - The Virgin

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 3481A		Glxy E pec:	14.4	MCG 2-32-128 VV 43 ARP 175 PGC 41646
IC 3583		Glxy IBm	13.3	UGC 7784 MCG 2-32-154 CGCG 70-191 ARP 76 VCC1686 IRAS 12341+1332 PGC 42081
MAC 1329+1143		Glxy	16.5	
MAC 1329+1141		Glxy	16.5	
MAC 1329+1138		Glxy	16	
MAC 1319-1239		Glxy	15.5	
MAC 1315-1629		Glxy	16	
MAC 1315-1628B		Glxy	16	
MAC 1315-1623		Glxy	15.5	
MAC 1253+0956		Glxy	15.5	
MAC 1252+1001		Glxy	16	
MAC 1440+0322		Glxy	15.5	
MAC 1337+0632		Glxy	16.5	ARP 326
MAC 1337+0628		Glxy	15.5	ARP 326
MAC 1337+0624		Glxy	15.5	ARP 326 ARP 33
MAC 1334+1344		Glxy	16.5	ARP 288
MAC 1329+1149		Glxy	16	
MAC 1329+1148B		Glxy	16.5	
MAC 1329+1148A		Glxy	16.5	
MAC 1329+1146		Glxy	16.5	
MAC 1440+0339		Glxy	15.5	
MAC 1440+0327		Glxy	15.5	
MAC 1252-0944		Glxy	16	
MAC 1221+0437		Glxy	15.5	
MAC 1215+1311		Glxy	16.5	
MAC 1142+1021		Glxy	16	
MAC 1142+1017A		Glxy	16	
IC 4134		Glxy S	16.1	MCG -2-33-105 PGC 45169
IC 3608		Glxy Sb:	14.6	UGC 7808 CGCG 70-201 VCC1768 PGC 42264
IC 3483		Glxy SAB(s)b pec:	15.7	MCG 2-32-129 CGCG 70-160 VV 43 ARP 175 VCC1486 PGC 41670
IC 3481		Glxy SAB0-: pec	14.4	MCG 2-32-127 CGCG 70-159 VV 43 ARP 175 VCC1462 PGC 41634
IC 3322A		Glxy SB(s)cd: sp	13.6	UGC 7513 MCG 1-32-54 CGCG 42-95 VCC827 IRAS 12231+729 PGC 40566
IC 3155		Glxy S0 sp	15	MCG 1-32-3 CGCG 42-22 VCC366 PGC 39708
IC 3099		Glxy Scd?	14.9	UGC 7313 MCG 2-31-79 CGCG 69-126 VCC224 PGC 39390
IC 3153		Glxy Sc(r)I-II	15.2	CGCG 42-19 VCC359 PGC 39693
NGC 3833	H102-3	Glxy Sc	14.2	UGC 6692 MCG 2-30-20 CGCG 68-43 PGC 36441
NGC 3848	H35-3	Glxy Sc	14.8	PGC 36456 MCG 2-30-23 CGCG 68-46 IRAS 11410+1031
NGC 4045	H276-2	Glxy SBa	11.9	
NGC 4123	H4-5	Glxy SB(r)c	12	UGC 7116 MCG 1-31-23 MK 1466 CGCG 41-42 UM477 IRAS 12056+309 PGC 38531
NGC 4164		Glxy E3	15.7	CGCG 69-76 VCC43 PGC 38877
NGC 4168	H105-2	Glxy E2	12.1	UGC 7203 MCG 2-31-46 CGCG 69-81 VCC49 PGC 38890
NGC 4179	H9-1	Glxy S0 sp	11.9	UGC 7214 MCG 0-31-38 CGCG 13-104 PGC 38950
NGC 4356	H481-3	Glxy Scd:	14	IC 3273 PGC 40342 UGC 7482 MCG 2-32-26 CGCG 70-48 VCC713 IRAS 12217+848
NGC 4343	H94-3	Glxy SA(rs)b:	13.1	UGC 7465 MCG 1-32-38 CGCG 42-70 VCC656 IRAS 12210+713 PGC 40251

## Virgo - The Virgin

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 4342	H96-3	Glxy S0- sp	13.4	IC 3256 PGC 40252 UGC 7466 MCG 1-32-39 CGCG 42-71 ARAK361 VCC657
NGC 4339	H143-2	Glxy E0	12.3	UGC 7461 MCG 1-32-36 CGCG 42-68 VCC648 PGC 40240
NGC 4330		Glxy Scd?	13.1	UGC 7456 MCG 2-32-20 CGCG 70-39 VCC630 IRAS 12207+1138 PGC 40201
NGC 4324		Glxy SA(r)0+	11.6	UGC 7451 MCG 1-32-32 CGCG 42-63 VCC613 IRAS 12205+531 PGC 40179
NGC 4313	H63-2	Glxy SA(rs)ab: sp	12.5	UGC 7445 MCG 2-32-16 CGCG 70-34 VCC570 IRAS 12200+1204 PGC 40105
NGC 4307		Glxy Sb sp	12.8	UGC 7431 MCG 2-32-12A CGCG 70-29 VCC524 IRAS 12195+919 PGC 40033
NGC 4303	H139-1	Glxy SAB(rs)bc	10.2	M 61 KUG 109+322 PGC 40001
NGC 4433		Glxy SAB(s)ab	13.3	MCG -1-32-13 IRAS 12250-800 PGC 40894
NGC 4429	H65-2	Glxy SA(r)0+	11	UGC 7568 MCG 2-32-61 CGCG 70-93 VCC1003 IRAS 12249+1123 PGC 40850
NGC 4425	H170-2	Glxy SB0+: sp	11.8	UGC 7562 MCG 2-32-59 CGCG 70-91 VCC984 PGC 40816
NGC 4424		Glxy SB(s)a:	12.3	UGC 7561 MCG 2-32-58 CGCG 70-90 VCC979 IRAS 12246+941 PGC 40809
NGC 4417	H155-2	Glxy SB0: sp	12	UGC 7542 MCG 2-32-53 CGCG 70-80 VCC944 PGC 40756
NGC 4412	H34-2	Glxy SB(r)b? pec	13.2	UGC 7536 MCG 1-32-62 CGCG 42-104 VCC921 IRAS 12240+414 PGC 40715
NGC 4406		Glxy E3	9.8	M 86 ESO 296-7 MCG -6-3-29 IRAS 1112-3810 PGC 40653
NGC 4402		Glxy Sb sp	12.6	UGC 7528 MCG 2-32-44 CGCG 70-71 VCC873 IRAS 12235+1323 PGC 40644
NGC 4388	H168-2	Glxy SA(s)b: sp	11.8	UGC 7520 MCG 2-32-41 CGCG 70-68 VCC836 IRAS 12232+1256 PGC 40581
NGC 4483		Glxy SB(s)0+:	13.1	UGC 7649 MCG 2-32-103 CGCG 70-136 VCC1303 PGC 41339
NGC 4478	H124-2	Glxy E2	12.4	UGC 7645 MCG 2-32-99 CGCG 70-133 VCC1279 PGC 41297
NGC 4476	H123-2	Glxy SA(r)0-:	13	UGC 7637 MCG 2-32-96 CGCG 70-128 VCC1250 IRAS 12274+1237 PGC 41255
NGC 4472		Glxy E2	9.4	M 49 MCG 6-3-25 CGCG 520-31 PGC 41220
NGC 4470	H18-2	Glxy Sa?	13	NGC 4610 PGC 41189 UGC 7627 MCG 1-32-82 CGCG 42-132 VCC1205 IRAS 12270+806
NGC 4469	H157-2	Glxy SB(s)0/a? sp	12.2	UGC 7622 MCG 2-32-89 CGCG 70-121 VCC1190 IRAS 12269+901 PGC 41164
NGC 4467		Glxy E2	14.8	MCG 1-32-80 CGCG 42-130 ARAK369 VCC1192 PGC 41169
NGC 4466		Glxy Sab? sp	14.4	UGC 7626 MCG 1-32-81 CGCG 42-131 VCC1193 PGC 41170
NGC 4465		Glxy Sc	15.6	CGCG 42-127 VCC1182 PGC 41157
NGC 4568	H9-4	Glxy SA(rs)bc	11.7	UGC 7776 MCG 2-32-152 CGCG 70-188 VV 219 VCC1676 IRAS 12340+1130 PGC 42069
NGC 4567	H8-4	Glxy SA(rs)bc	12.1	Siamese Twins PGC 42064
NGC 4564	H68-2	Glxy E	12.1	UGC 7773 MCG 2-32-150 CGCG 70-186 VCC1664 PGC 42051
NGC 4552		Glxy E0-1	10.7	M 89 MCG -2-4-16 PGC 41968
NGC 4550	H36-1	Glxy SB0^: sp	12.6	UGC 7757 MCG 2-32-147 CGCG 70-182 VCC1619 PGC 41943
NGC 4546	H160-1	Glxy SB(s)0-:	11.3	MCG -1-32-27 UGC A288 PGC 41939
NGC 4536	H2-5	Glxy SAB(rs)bc	11.2	UGC 7732 MCG 0-32-23 CGCG 14-68 UM506 VCC1562 IRAS 12318+227 PGC 41823
NGC 4535	H500-2	Glxy SAB(s)c	9.9	UGC 7727 MCG 1-32-104 CGCG 42-159 VCC1555 IRAS 12318+828 PGC 41812
NGC 4532	H147-2	Glxy IBm	12.3	UGC 7726 MCG 1-32-103 CGCG 42-158 VCC1554 IRAS 12317+644 PGC 41811
NGC 5306	H306-2	Glxy S0 pec?	13.1	MCG -1-35-14 VV 135 Hickson 67A PGC 49039
NGC 5258	H896-2	Glxy SA(s)b: pec	12.9	UGC 8645 MCG 0-35-16 CGCG 17-56 VV 55 ARP 240 PGC 48338
NGC 5257	H895-2	Glxy SAB(s)b pec	12.9	UGC 8641 MCG 0-35-15 CGCG 17-55 UM598 VV 55 ARP 240 PGC 48330
NGC 5226		Glxy		PGC 47877
NGC 5222	H85-3	Glxy E	14.1	UGC 8558 MCG 2-35-5 CGCG 73-39 VV 315 ARP 288 PGC 47871
NGC 5221	H86-3	Glxy Sb:	13.8	UGC 8559 MCG 2-35-6 CGCG 73-40 VV 315 ARP 288 8ZW325 PGC 47869
NGC 5179		Glxy Sb	15	MCG 2-34-23 MK 1349 CGCG 72-94 PGC 47363
NGC 5178		Glxy S(r)0/a	14.8	UGC 8478 MCG 2-34-22 CGCG 72-93 PGC 47358
NGC 5177		Glxy Sb	15.6	MCG 2-34-19 CGCG 72-91 PGC 47337
NGC 5176		Glxy E	15.4	MCG 2-34-21 CGCG 72-90 PGC 47338

## Virgo - The Virgin

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 5171		Glxy S0-:	12.7	UGC 8476 MCG 2-34-20 CGCG 72-89 PGC 47339
NGC 5170	H22-5	Glxy SA(s)c: sp	12.1	MCG -3-34-84 UGC A360 PGC 47396
NGC 5137		Glxy	15.6	CGCG 72-71 PGC 46907
NGC 5134	H314-2	Glxy SA(s)b?	12.1	ESO 576-52 MCG -3-34-73 IRAS 13225-2052 PGC 46938
NGC 5132		Glxy (R)SB(r)0+:	13.9	UGC 8428 MCG 2-34-14 CGCG 72-68 IRAS 13219+1421 PGC 46868
NGC 5129	H653-2	Glxy E	13	UGC 8423 MCG 2-34-12 CGCG 72-65 PGC 46836
NGC 5122		Glxy Sc	13.8	MCG -2-34-43 2SZ43 PGC 46848
NGC 5087	H724-3	Glxy SA0:	12.4	ESO 576-35 MCG -3-34-50 UGC A350 IRAS 13177-2021 PGC 46541
NGC 5084	H313-2	Glxy S0 sp	11.6	ESO 576-33 MCG -4-32-4 PGC 46525
NGC 5079	H118-3	Glxy SB(rs)bc pec:	13.8	MCG -2-34-30 IRAS 13169-1226 PGC 46473
NGC 5077	H193-2	Glxy E3-4	11.3	MCG -2-34-27 UGC A347 PGC 46456
NGC 5076	H117-3	Glxy SB(rs)0+	14	MCG -2-34-26 PGC 46453
NGC 5073	H282-3	Glxy SB(s)c? sp	13.1	MCG -2-34-25 UGC A346 IRAS 13167-1435 PGC 46441
NGC 5068	H312-2	Glxy SAB(rs)cd	10.7	ESO 576-29 MCG -3-34-46 UGC A345 PGC 46400
NGC 5054	H513-2	Glxy SA(s)bc	10.8	MCG -3-34-39 UGC A344 IRAS 13142-1622 PGC 46247
NGC 5049	H512-2	Glxy S0 sp	13	MCG -3-34-37 UGC A343 PGC 46166
NGC 5047	H670-3	Glxy S0 sp	13.5	MCG -3-34-36 PGC 46150
NGC 5046		Glxy E?	13.9	MCG -3-34-35 PGC 46141
NGC 5044	H511-2	Glxy E0	11.8	MCG -3-34-34 UGC A341 PGC 46115
NGC 5037	H510-2	Glxy SA(s)a:	12.2	MCG -3-34-29 IRAS 13123-1619 PGC 46078
NGC 5035		Glxy SAB(r)0+	12.8	MCG -3-34-28 PGC 46068
NGC 5030		Glxy SB(r)0+?	13.2	MCG -3-34-23 PGC 45991
NGC 5022		Glxy SBb pec sp	13.7	MCG -3-34-21 PGC 45952
NGC 5020	H129-2	Glxy SAB(rs)bc	12.5	UGC 8289 MCG 2-34-3 CGCG 72-24 IRAS 13102+1251 PGC 45883
NGC 5018	H746-2	Glxy E3:	11.7	ESO 576-10 MCG -3-34-17 UGC A335 IRAS 13103-1915 PGC 45908
NGC 4999	H537-2	Glxy SB(r)b	12.6	UGC 8236 MCG 0-34-10 CGCG 16-12 IRAS 13069+156 PGC 45632
NGC 4995	H42-1	Glxy SAB(rs)b	12	MCG -1-34-7 UGC A329 IRAS 13070-734 PGC 45643
NGC 4984	H301-2	Glxy (R)SAB(rs)0+	12.3	MCG -2-34-4 IRAS 13062-1514 2SZ6 PGC 45585
NGC 4981	H189-2	Glxy SAB(r)bc	12.1	MCG -1-34-3 IRAS 13062-630 PGC 45574
NGC 4958	H130-1	Glxy SB(r)0? sp	11.6	MCG -1-33-84 UGC A323 PGC 45313
NGC 4941	H40-1	Glxy (R)SAB(r)ab:	11.9	MCG -1-33-77 UGC A321 IRAS 13016-516 PGC 45165
NGC 4939	H561-2	Glxy SA(s)bc	11.9	MCG -2-33-104 PGC 45170
NGC 4933C		Glxy Sd	18.5	MCG -2-33-103 PGC 45143 ARP 176
NGC 4933B		Glxy E pec	13.4	PGC 45142 MCG -2-33-101 ARP 176
NGC 4933A		Glxy S0/a pec	12.7	PGC 45146 MCG -2-33-102 ARP 176
NGC 4928	H190-2	Glxy SA(s)bc pec	13.3	MCG -1-33-75 IRAS 13004-749 PGC 45052
NGC 4918		Glxy SA0+?	15.3	PGC 44934
NGC 4915	H47-4	Glxy E0	13	MCG -1-33-69 UGC A318 PGC 44891
NGC 4904	H517-2	Glxy SB(s)cd	12.6	UGC 8121 MCG 0-33-26 MK 1341 CGCG 15-55 IRAS 12584+14 PGC 44846
NGC 4902	H69-1	Glxy SB(r)b	11.6	MCG -2-33-92 UGC A315 IRAS 12583-1414 PGC 44847
NGC 4900	H143-1	Glxy SB(rs)c	11.9	UGC 8116 MCG 1-33-35 CGCG 43-93 IRAS 12580+246 PGC 44797
NGC 4890	H614-3	Glxy Sm	12.7	MCG -1-33-67 IRAS 12580-420 PGC 44793
NGC 4887		Glxy SA0+ pec?	14.5	MCG -2-33-87 IRAS 12580-1423 PGC 44796
NGC 4880	H83-3	Glxy SA(r)0+:	12.4	UGC 8109 MCG 2-33-47 CGCG 71-94 PGC 44719
NGC 4866	H162-1	Glxy SA(r)0+:	12.1	UGC 8102 MCG 2-33-45 CGCG 71-92 PGC 44600

## Virgo - The Virgin

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 4856	H68-1	Glxy SB(s)0/a	11.5	MCG -2-33-78 UGC A313 PGC 44582
NGC 4845	H536-2	Glxy SA(s)ab sp	12.1	NGC 4910 PGC 44392 UGC 8078 MCG 0-33-25 CGCG 15-49 IRAS 12554+150
NGC 4810		Glxy Im pec	14.9	UGC 8034 MCG 1-33-23 CGCG 43-62 VV 313 ARP 277 PGC 43971
NGC 4809		Glxy Im pec	14.4	MCG 1-33-22 CGCG 43-61 UM523 VV 313 ARP 277 IRAS 12523+255 PGC 43969
NGC 4781	H134-1	Glxy SB(rs)d	11.7	MCG -2-33-49 IRAS 12517-1015 PGC 43902
NGC 4778		Glxy S0+ sp	13.5	MCG -1-33-37 Hickson 62A PGC 43757
NGC 4766		Glxy S0 sp	15.3	MCG -2-33-42 PGC 43766
NGC 4764		Glxy S?	16	Hickson 62D PGC 43760
NGC 4762	H75-2	Glxy SB(r)0^? sp	10.2	UGC 8016 MCG 2-33-33 CGCG 71-65 VCC2095 PGC 43733
NGC 4761		Glxy E+	14.8	MCG -1-33-39 Hickson 62C PGC 43768
NGC 4760		Glxy E0?	11.4	MCG -2-33-41 PGC 43763
NGC 4759	H559-2	Glxy S0^ pec	14	MCG -1-33-36 Hickson 62B PGC 43754
NGC 4757		Glxy S0 sp	15.1	MCG -2-33-40 PGC 43715
NGC 4754	H25-1	Glxy SB(r)0-:	11.5	UGC 8010 MCG 2-33-30 CGCG 71-62 VCC2092 PGC 43656
NGC 4753	H16-1	Glxy I0	10.9	UGC 8009 MCG 0-33-16 CGCG 15-29 IRAS 12498-55 PGC 43671
NGC 4742	H133-1	Glxy E4:	12.1	MCG -2-33-32 UGC A303 IRAS 12490-1009 PGC 43594
NGC 4705	H610-3	Glxy SAB(s)bc: sp	13.6	MCG -1-33-16 IRAS 12468-455 PGC 43350
NGC 4703	H514-3	Glxy Sb sp	14.5	MCG -1-33-15 PGC 43342
NGC 4701	H578-2	Glxy SA(s)cd	12.8	UGC 7975 MCG 1-33-15 CGCG 43-34 IRAS 12466+339 PGC 43331
NGC 4700	H524-3	Glxy SB(s)c? sp	12.6	MCG -2-33-13 IRAS 12465-1108 PGC 43330
NGC 4699	H129-1	Glxy SAB(rs)b	10.4	MCG -1-33-13 UGC A301 IRAS 12464-823 PGC 43321
NGC 4698	H8-1	Glxy SA(s)ab	11.5	UGC 7970 MCG 2-33-24 M4698 CGCG 71-45 VCC2070 IRAS 12458+845 PGC 43254
NGC 4697	H39-1	Glxy E6	10.1	MCG -1-33-10 UGC A300 PGC 43276
NGC 4691	H182-2	Glxy (R)SB(s)0/a pec	11.7	MCG 0-33-13 UGC A299 CGCG 15-23 IRAS 12456-303 PGC 43238
NGC 4690	H664-3	Glxy (R')SA0-?	13.9	UGC 7964 MCG 0-33-12 CGCG 15-21 PGC 43202
NGC 4684	H181-2	Glxy SB(r)0+	12.4	UGC 7951 MCG 0-33-11 CGCG 15-19 IRAS 12447-227 PGC 43149
NGC 4680		Glxy Pec	13.4	MCG -2-33-7 IRAS 12443-1121 PGC 43118
NGC 4671	H774-2	Glxy E+ pec:	14	MCG -1-33-4 MK 1334 PGC 43029
NGC 4666	H15-1	Glxy SABc:	10.7	UGC 7926 MCG 0-33-8 CGCG 15-15 PGC 42975
NGC 4664	H142-1	Glxy SB(s)0/a	10.5	NGC 4665 PGC 42970 NGC 4665 UGC 7924 MCG 1-33-5 CGCG 43-18
NGC 4663		Glxy SB(s)0^?	14.5	IC 811 PGC 42946 MCG -2-33-2
NGC 4660	H71-2	Glxy E:	12.2	UGC 7914 MCG 2-33-6 CGCG 71-23 VCC2000 PGC 42917
NGC 4658	H558-2	Glxy SB(s)bc	13	MCG -2-33-1 IRAS 12420-948 PGC 42929
NGC 4654	H126-2	Glxy SAB(rs)cd	11.1	IC 3708 UGC 7902 MCG 2-33-4 CGCG 71-19 VCC1987 IRAS 12414+1324 PGC 42857
NGC 4653	H662-3	Glxy SAB(rs)cd	12.2	UGC 7900 MCG 0-33-6 CGCG 15-9 IRAS 12412-17 PGC 42847
NGC 4649		Glxy E2	9.8	M 60 ESO 151-39 PGC 42831
NGC 4647	H44-3	Glxy SAB(rs)c	11.9	UGC 7896 MCG 2-33-1 CGCG 71-15 VV 206 ARP 116 VCC1972 IRAS 12410+1151 PGC 42816
NGC 4643	H10-1	Glxy SB(rs)0/a	11.7	UGC 7895 MCG 0-33-5 CGCG 15-8 IRAS 12407+215 PGC 42797
NGC 4642	H494-3	Glxy SAB(rs)bc p sp	13.8	UGC 7893 MCG 0-33-4 CGCG 15-7 IRAS 12407-22 PGC 42791
NGC 4639	H125-2	Glxy SAB(rs)bc	12.2	UGC 7884 MCG 2-32-189 CGCG 70-230 CGCG 71-8 VCC1943 IRAS 12403+1331 PGC 42741
NGC 4638	H70-2	Glxy S0- sp	12.1	NGC 4667 PGC 42728 UGC 7880 MCG 2-32-187 CGCG 70-229 CGCG 71-6 VCC1938
NGC 4637		Glxy S0?	14.8	UGC 7881 MCG 2-32-188 CGCG 71-7 VCC1945 PGC 42744
NGC 4636	H38-2	Glxy E	9.4	

## Virgo - The Virgin

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 4623	H149-2	Glxy SB0+: sp	13.2	UGC 7862 MCG 1-32-135 CGCG 42-207 VCC1913 PGC 42647
NGC 4621		Glxy E5	10.6	M 59 FAIR689 PGC 42628
NGC 4612	H148-2	Glxy (R)SAB0^	11.9	UGC 7850 MCG 1-32-134 CGCG 42-205 VCC1883 PGC 42574
NGC 4608	H69-2	Glxy SB(r)0^	12	UGC 7842 MCG 2-32-177 CGCG 70-214 VCC1869 PGC 42545
NGC 4602	H184-2	Glxy SAB(rs)bc	12.3	MCG -1-32-36 IRAS 12380-451 PGC 42476
NGC 4597	H636-2	Glxy SB(rs)m	12.6	MCG -1-32-34 IRAS 12376-531 PGC 42429
NGC 4596	H24-1	Glxy SB(r)0+	11.4	UGC 7828 MCG 2-32-170 CGCG 70-206 VCC1813 PGC 42401
NGC 4594	H43-1	Glxy SA(s)a sp	9	M 104 Sombrero Galaxy MCG 5-4-11 MK 976 CGCG 502-19 KUG 113+328B PGC 42407
NGC 5864	H585-2	Glxy SB(s)0^? sp	12.8	UGC 9740 MCG 1-39-2 CGCG 49-15 PGC 54111
NGC 5854	H544-2	Glxy SB(s)0+ sp	12.7	UGC 9726 MCG 1-39-1 CGCG 49-9 PGC 54013
NGC 5850	H543-2	Glxy SB(r)b	10.7	UGC 9715 MCG 0-39-2 CGCG 21-6 IRAS 15045+144 PGC 53979
NGC 5846A		Glxy cE2-3	13.8	MCG 0-38-26 PGC 53930
NGC 5846	H128-1	Glxy E0-1	10	UGC 9706 MCG 0-38-25 CGCG 20-61 PGC 53932
NGC 5845	H511-3	Glxy E:	12.5	UGC 9700 MCG 0-38-24 CGCG 20-59 ARAK468 PGC 53901
NGC 5839	H541-2	Glxy SAB(rs)0^:	13.7	UGC 9693 MCG 0-38-23 CGCG 20-58 PGC 53865
NGC 5838	H542-2	Glxy SA0-	11.9	UGC 9692 MCG 0-38-22 CGCG 20-57 IRAS 15029+217 PGC 53862
NGC 5831	H540-2	Glxy E3	11.5	UGC 9678 MCG 0-38-20 CGCG 20-54 PGC 53770
NGC 5814		Glxy (R')Sab	14.7	MCG 0-38-17 CGCG 20-46 IRAS 14588+149 PGC 53653
NGC 5813	H127-1	Glxy E1-2	11.5	UGC 9655 MCG 0-38-16 CGCG 20-45 PGC 53643
NGC 5806	H539-2	Glxy SAB(s)b	12.4	UGC 9645 MCG 0-38-14 CGCG 20-41 IRAS 14574+205 PGC 53578
NGC 5775	H554-3	Glxy SBc? sp	12.2	UGC 9579 MCG 1-38-14 CGCG 48-60 IRAS 14514+344 PGC 53247
NGC 5774		Glxy SAB(rs)d	12.7	UGC 9576 MCG 1-38-13 CGCG 48-57 IRAS 14511+347 PGC 53231
NGC 5750	H183-1	Glxy SB(r)0/a	12.5	UGC 9512 MCG 0-38-6 CGCG 20-13 IRAS 14436+0 PGC 52735
NGC 5746	H126-1	Glxy SAB(rs)b? sp	11.3	UGC 9499 MCG 0-38-5 CGCG 20-12 IRAS 14424+209 PGC 52665
NGC 5718	H550-3	Glxy S0-:	13.9	UGC 9459 MCG 1-37-47 CGCG 47-137 ARP 171 PGC 52441
NGC 5679A		Glxy Sc	14.5	MCG 1-37-34 VV 458 ARP 274 PGC 52130
NGC 5679	H894-2	Glxy Sb	13.8	UGC 9383 MCG 1-37-35 CGCG 47-110 VV 458 ARP 274 IRAS 14326+534 PGC 52132
NGC 5668	H574-2	Glxy SA(s)d	12.2	UGC 9363 MCG 1-37-28 CGCG 47-90 IRAS 14309+440 PGC 52018
NGC 5638	H581-2	Glxy E1	11.2	UGC 9308 MCG 1-37-18 CGCG 47-63 PGC 51787
NGC 5636	H580-2	Glxy SAB(r)0+	13.7	UGC 9304 MCG 1-37-17 CGCG 47-62 PGC 51785
NGC 5634	H70-1	Globular	9.5	
NGC 5576	H146-1	Glxy E3	11	UGC 9183 MCG 1-37-7 CGCG 47-20 PGC 51275
NGC 5569		Glxy SAB(rs)cd:	13.9	UGC 9176 MCG 1-37-3 CGCG 47-13 ARP 286 PGC 51241
NGC 5566	H144-1	Glxy SB(r)ab	11.5	UGC 9175 MCG 1-37-2 CGCG 47-12 ARP 286 IRAS 14178+409 PGC 51233
NGC 5560	H579-2	Glxy SB(s)b pec	12.4	UGC 9172 MCG 1-37-1 CGCG 47-10 ARP 286 IRAS 14175+413 PGC 51223
NGC 5507	H49-4	Glxy SAB(r)0^	13.5	MCG 0-36-29 UGC A388 CGCG 18-82 PGC 50786
NGC 5506	H687-2	Glxy Sa pec sp	12.8	MCG 0-36-28 UGC A387 MK 1376 CGCG 18-81 IRAS 14106-258 PGC 50782
NGC 5496		Glxy Sd: sp	12.7	UGC 9079 MCG 0-36-26 CGCG 18-74 IRAS 14090-55 KARA615 PGC 50676
NGC 5493	H46-4	Glxy S0 pec sp	12.3	MCG -1-36-13 UGC A386 PGC 50670
NGC 5427	H310-2	Glxy SA(s)c pec	11.9	MCG -1-36-3 UGC A381 VV 21 ARP 271 IRAS 14008-547 PGC 50084
NGC 5426	H309-2	Glxy SA(s)c pec	12.7	MCG -1-36-4 UGC A380 VV 21 ARP 271 PGC 50083
NGC 5364	H534-2	Glxy SA(rs)bc pec	11.2	PGC 49555 UGC 8853 MCG 1-36-3 CGCG 46-9 IRAS 13536+515
NGC 5363	H6-1	Glxy I0?	11.1	UGC 8847 MCG 1-36-2 CGCG 46-7 IRAS 13536+529 PGC 49547
NGC 4593	H183-2	Glxy (R)SB(rs)b	11.7	MCG -1-32-32 MK 1330 IRAS 12370-504 PGC 42375

## Virgo - The Virgin

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 4592	H31-2	Glxy SA(s)dm:	12.2	UGC 7819 MCG 0-32-32 CGCG 14-91 IRAS 12367-15 PGC 42336
NGC 4586	H125-1	Glxy SA(s)a: sp	12.6	UGC 7804 MCG 1-32-122 CGCG 42-187 VCC1760 IRAS 12359+435 PGC 42241
NGC 4580	H124-1	Glxy SAB(rs)a pec	11.8	UGC 7794 MCG 1-32-117 CGCG 42-183 VCC1730 IRAS 12352+538 PGC 42174
NGC 4579		Glxy SAB(rs)b	9.6	M 58 UGC 811 MCG 6-3-28 CGCG 520-34 PGC 42168
NGC 4578	H15-2	Glxy SA(r)0^:	12.4	UGC 7793 MCG 2-32-159 CGCG 70-195 VCC1720 PGC 42149
NGC 4570	H32-1	Glxy S0 sp	11.8	UGC 7785 MCG 1-32-114 CGCG 42-178 VCC1692 PGC 42096
NGC 4569		Glxy SAB(rs)ab	10.3	M 90 ESO 195-35 FAIR294 IRAS 1138-5027 PGC 42089
NGC 4527	H37-2	Glxy SAB(s)bc	10.4	UGC 7721 MCG 1-32-101 CGCG 42-156 VCC1540 IRAS 12315+255 PGC 41789
NGC 4526	H31-1	Glxy SAB(s)0^:	10.7	NGC 4560 PGC 41772 UGC 7718 MCG 1-32-100 CGCG 42-155 VCC1535 IRAS 12315+758
NGC 4522		Glxy SB(s)cd: sp	13	UGC 7711 MCG 2-32-137 CGCG 70-168 VCC1516 IRAS 12311+926 PGC 41729
NGC 4519	H158-2	Glxy SB(rs)d	12.3	UGC 7709 MCG 2-32-135 CGCG 70-167 VCC1508 IRAS 12308+856 PGC 41719
NGC 4504	H771-2	Glxy SA(s)cd	11.9	MCG -1-32-22 IRAS 12296-717 PGC 41555
NGC 4503	H66-2	Glxy SB0-:	12.1	UGC 7680 MCG 2-32-118 CGCG 70-149 VCC1412 PGC 41538
NGC 4487	H776-2	Glxy SAB(rs)cd	11.6	MCG -1-32-21 IRAS 12285-746 PGC 41399
NGC 4486		Glxy E+0-1 pec	9.6	M 87 UGC 791 MCG 0-4-52 CGCG 385-43 PGC 41361
NGC 4464	H483-3	Glxy S?	12.5	UGC 7619 MCG 1-32-78 CGCG 42-128 VCC1178 PGC 41148
NGC 4461	H122-2	Glxy SB(s)0+:	11.1	UGC 7613 MCG 2-32-84 CGCG 70-115 VCC1158 PGC 41111
NGC 4457	H35-2	Glxy (R)SAB(s)0/a	11.8	UGC 7609 MCG 1-32-75 CGCG 42-124 VCC1145 IRAS 12264+350 PGC 41101
NGC 4454	H180-2	Glxy (R)SB(r)0/a	12.7	UGC 7606 MCG 0-32-14 CGCG 14-48 IRAS 12262-139 PGC 41083
NGC 4442	H156-2	Glxy SB(s)0^	11.4	UGC 7583 MCG 2-32-68 CGCG 70-100 VCC1062 PGC 40950
NGC 4438	H28-1	Glxy SA(s)0/a pec:	11	UGC 7574 MCG 2-32-65 CGCG 70-97 VV 188 ARP 120 VCC1043 IRAS 12252+1317 PGC 40914
NGC 4437	H5-4	Glxy SA(s)cd: sp	11.1	NGC 4517 PGC 41618 UGC 7694 MCG 0-32-20 CGCG 14-63 UM505 IRAS 12301+23
NGC 4435	H28-1	Glxy SB(s)0^	11.7	The Eyes PGC 40898
NGC 4387	H167-2	Glxy E	13	UGC 7517 MCG 2-32-39 CGCG 70-65 VCC828 PGC 40562
NGC 4380		Glxy SA(rs)b:?	12.7	UGC 7503 MCG 2-32-37 CGCG 70-61 VCC792 IRAS 12228+1017 PGC 40507
NGC 4378	H123-1	Glxy (R)SA(s)a	12.6	UGC 7497 MCG 1-32-52 CGCG 42-92 VCC785 IRAS 12227+512 PGC 40490
NGC 4374		Glxy E1	10.1	M 84 MCG -3-4-28 VV 258 PGC 40455
NGC 4371	H22-1	Glxy SB(r)0+	11.8	UGC 7493 MCG 2-32-33 CGCG 70-57 VCC759 PGC 40442
NGC 4370	H144-2	Glxy Sa sp	13.5	UGC 7492 MCG 1-32-51 CGCG 42-89 VCC758 IRAS 12223+743 PGC 40439
NGC 4366	H97-3	Glxy E	15	MCG 1-32-50 CGCG 42-87 VCC745 PGC 40421
NGC 4365	H30-1	Glxy E3	10.5	UGC 7488 MCG 1-32-48 CGCG 42-83 VCC731 PGC 40375
NGC 4299	H62-2	Glxy SAB(s)dm:	12.9	UGC 7414 MCG 2-32-10 CGCG 70-25 VCC491 IRAS 12191+1146 PGC 39968
NGC 4294	H61-2	Glxy SB(s)cd	12.5	UGC 7407 MCG 2-32-9 CGCG 70-24 VCC465 IRAS 12187+1147 PGC 39925
NGC 4292		Glxy (R)SB(r)0^	12.2	UGC 7404 MCG 1-32-16 CGCG 42-40 VCC462 PGC 39922
NGC 4289		Glxy SA(s)cd: sp	14.6	UGC 7403 MCG 1-32-15 CGCG 42-38 VCC449 IRAS 12184+400 PGC 39886
NGC 4282		Glxy S0?	14.9	MCG 1-32-13 CGCG 42-35 VCC411 PGC 39809
NGC 4281	H573-2	Glxy S0+: sp	12.3	UGC 7389 MCG 1-32-12 CGCG 42-34 VCC408 IRAS 12177+539 PGC 39801
NGC 4277	H571-2	Glxy SAB(rs)0/a:	13.4	MCG 1-32-9 CGCG 42-29 VCC386 PGC 39759
NGC 4259		Glxy S0 sp	14.6	UGC 7359 MCG 1-31-51 CGCG 42-12 ARAK356 VCC342 PGC 39657
NGC 4257		Glxy Sab: sp	14.9	MCG 1-31-49 CGCG 42-6 VCC323 PGC 39624
NGC 4241	H480-3	Glxy SA(s)0+:	13	IC 3115 PGC 39412 UGC 7319 MCG 1-31-38 CGCG 41-65 VCC234
NGC 4235	H17-2	Glxy SA(s)a sp	12.6	IC 3098 PGC 39389 UGC 7310 MCG 1-31-36 CGCG 41-62 VCC222
NGC 4233	H496-2	Glxy S0^	12.9	UGC 7311 MCG 1-31-37 CGCG 41-63 VCC220 PGC 39384
NGC 4224	H136-2	Glxy SA(s)a: sp	12.9	UGC 7292 MCG 1-31-34 CGCG 41-60 VCC199 IRAS 12140+744 PGC 39328

## Virgo - The Virgin

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
NGC 4216	H35-1	Glxy SAB(s)b:	11	UGC 7284 MCG 2-31-72 CGCG 69-112 VCC167 IRAS 12133+1325 PGC 39246
NGC 4206	H165-2	Glxy SA(s)bc:	12.8	IC 3064 PGC 39183 UGC 7260 MCG 2-31-66 CGCG 69-104 VCC145 IRAS 12127+1318
NGC 4197	H134-2	Glxy Sd	13.4	UGC 7247 MCG 1-31-29 CGCG 41-52 VV 520 VCC120 IRAS 12121+605 PGC 39114
NGC 4273	H569-2	Glxy SB(s)c	11.9	UGC 7380 MCG 1-32-8 CGCG 42-28 VCC382 IRAS 12173+537 PGC 39738
NGC 4270	H568-2	Glxy S0	13.1	UGC 7376 MCG 1-32-7 CGCG 42-26 VCC375 PGC 39718
NGC 4269		Glxy S0+	13.9	UGC 7372 MCG 1-32-5 CGCG 42-24 VCC373 PGC 39719
NGC 4268		Glxy SB0/a: sp	12.8	UGC 7371 MCG 1-32-4 CGCG 42-23 VCC371 PGC 39712
NGC 4267	H166-2	Glxy SB(s)0-?	11.9	UGC 7373 MCG 2-32-4 CGCG 70-13 VCC369 PGC 39710
NGC 4266		Glxy SB(s)a? sp	14.6	UGC 7368 MCG 1-32-2 CGCG 42-21 VCC362 IRAS 12171+548 PGC 39699
NGC 4264	H140-2	Glxy SB(rs)0+	12.8	UGC 7364 MCG 1-32-1 CGCG 42-20 ARAK357 VCC358 PGC 39687
NGC 4261	H139-2	Glxy E2-3	10.4	UGC 7360 MCG 1-31-52 CGCG 42-13 VCC345 PGC 39659
NGC 4260	H138-2	Glxy SB(s)a	11.8	UGC 7361 MCG 1-31-54 CGCG 42-15 VCC341 PGC 39656
NGC 4178		Glxy SB(rs)dm	11.9	IC 3042 PGC 38943 UGC 7215 MCG 2-31-50 CGCG 69-88 VCC66
NGC 4165		Glxy SAB(r)a:?	14.4	IC 3035 PGC 38885 UGC 7201 MCG 2-31-45 CGCG 69-78 VCC47 KUG 1209+135
NGC 4124	H33-1	Glxy SA(r)0+	12.2	PGC 38527 UGC 7117 MCG 2-31-36 CGCG 69-58 IRAS 12055+1039
NGC 4073	H277-2	Glxy E+	11.4	UGC 7060 MCG 0-31-29 CGCG 13-59 PGC 38201
NGC 4030	H121-1	Glxy SA(s)bc	11.4	UGC 6993 MCG 0-31-16 CGCG 13-33 IRAS 11578-49 PGC 37845
NGC 3822	H153-2	Glxy S0?	14.1	UGC 6661 MCG 2-30-15 CGCG 68-33 IRAS 11395+1033 Hickson 58A PGC 36319
NGC 3825	H154-2	Glxy SBa	13	UGC 6668 MCG 2-30-18 CGCG 68-37 Hickson 58B PGC 36348

**Sub Total: 341****Total: 1305**

## Volans - The Flying Fish

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 2305		Glxy E2: pec	12.7	ESO 87-44 PGC 19641
NGC 2397A		Glxy SA(rs)cd:	14.8	ESO 58-29 IRAS 7212-6901 PGC 20754
NGC 2397		Glxy SB(s)b:	12.7	ESO 58-30 IRAS 7214-6854 PGC 20766
IC 2202		Glxy SA(s)bc:	13.6	ESO 88-16 IRAS 7278-6728 PGC 21057
NGC 2443		Non-Existent		NGC 2442 PGC 21373 ESO 59-8 IRAS 7367-6924
NGC 2466		Glxy SA(s)c:	13.5	ESO 59-18 IRAS 7456-7117 PGC 21714
NGC 2788A		Glxy Sb	13.1	
NGC 2788B		Glxy Sb pec?	14.5	ESO 60-25 PGC 25443
NGC 2601		Glxy SAB(r)a pec?	13.4	ESO 60-5 IRAS 8251-6757 PGC 23637
NGC 2442		Glxy SBbc	10.4	
NGC 2434		Glxy E0-1	12.3	ESO 59-5 PGC 21325
NGC 2397B		Glxy IB(s)m pec	14.9	
NGC 2307		Glxy SB(rs)b	12.9	ESO 87-45 IRAS 6485-6416 PGC 19648
NGC 2348		Open Cl 9.9 cluster?		

**Sub Total: 14****Total: 14**

## Vulpecula - The Fox

Observed: No

Object	Her	Type	Mag	Alias/Notes
NGC 6748		Non-Existent		
IC 4955		Non-Existent		IC 4954
IC 1314		Non-Existent		
NGC 6904		Non-Existent		
NGC 6938	H17-8	Non-Existent		
IC 1307		Non-Existent		
IC 1305		Non-Existent		
<b>Sub Total: 7</b>				

Observed: Yes

Object	Her	Type	Mag	Alias/Notes
IC 1299		Open Cl OCL		(STAR)
IC 4954		Nebula R		IC 4954
NGC 6793	H81-8	Open Cl III 2 p		
NGC 7080		Glxy SB(r)b	13.1	UGC 11756 MCG 4-50-12 CGCG 471-11 IRAS 21278+2629 PGC 66861
NGC 7052	H145-3	Glxy E	13.4	UGC 11718 MCG 4-50-6 CGCG 471-5 PGC 66537
NGC 6940	H8-7	Open Cl 11.0 III 2 r	6.3	
NGC 6921		Glxy SA(r)0/a:	14.4	UGC 11570 MCG 4-48-1 IRAS 20264+2533 PGC 64768
NGC 6885	H20-8	Open Cl 5.9 III 2 m	8.1	
NGC 6882	H22-8	Open Cl	8.1	
NGC 6853		PI Neb 3+2	7.6	M 27 Dumbbell Nebula Henize 2-452 PK 60-3.1 PNG 60.8-3.6
NGC 6842		PI Neb 3b	13.6	SH2 -95 LBN 19 Henize 2-451
NGC 6830	H9-7	Open Cl 10.0 II 2 p	7.9	
ROS 4		Open Cl II 3m	10	ROSLUND 4
PGC 64775		Glxy I	16.4	MCG 4-48-2
NGC 6800	H21-8	Open Cl 10.0 IV 1 p		
NGC 6813		Nebula E		
NGC 6820		Nebula E		
NGC 6827		Open Cl 13.0 I 1 m		
NGC 6823	H18-7	Open Cl 8.8 I 3 m n	7.1	
NGC 6815		Open Cl		
NGC 6802	H14-6	Open Cl 14.0 I 1 m	8.8	
<b>Sub Total: 21</b>				
<b>Total: 28</b>				