

Bootes - The Herdsman

Observed: No

| Object | Her | Type | Mag | Alias/Notes |
|----------|--------|--------------------|------|--|
| NGC 5239 | H101-3 | Glxy SB(rs)bc | 13.6 | UGC 8589 MCG 1-35-15 CGCG 45-40 IRAS 13339+737 PGC 48023 |
| IC 4307 | | Glxy S0? | 15.1 | MCG 5-32-43 CGCG 161-88 PGC 48032 |
| NGC 5251 | H369-3 | Glxy S? | 14.8 | MCG 5-32-44 CGCG 161-90 KUG 1335+276 PGC 48119 |
| NGC 5249 | H72-3 | Glxy S0? | 13.9 | UGC 8618 MCG 3-35-15 CGCG 102-28 PGC 48134 |
| IC 4313 | | Glxy C | 15.6 | MCG 5-32-46 CGCG 161-94 PGC 48186 |
| IC 4314 | | Glxy S? | 14.6 | MCG 5-32-47 CGCG 161-96 PGC 48197 |
| IC 905 | | Glxy C | 14.9 | MCG 4-32-20 CGCG 131-19 PGC 48349 |
| IC 906 | | Glxy S | 15.7 | MCG 4-32-21 CGCG 131-20 PGC 48348 |
| IC 909 | | Glxy Compact | 15 | MCG 4-32-23 CGCG 131-22 KUG 1338+247 PGC 48408 |
| IC 910 | | Glxy S? | 15.4 | MCG 4-32-25 CGCG 131-24 PGC 48424 |
| IC 912 | | Glxy S | 15.2 | UGC 8665 MCG 4-32-28 CGCG 131-26 PGC 48448 |
| IC 911 | | Glxy Double System | 15.8 | UGC 8665 MCG 4-32-27 CGCG 131-26 PGC 48449 |
| IC 913 | | Glxy SBb | 15.2 | UGC 8664 MCG 4-32-29 CGCG 131-25 IRAS 13391+2325 PGC 48458 |
| IC 914 | | Glxy S | 15.2 | MCG 4-32-30 CGCG 131-27 PGC 48475 |
| IC 4317 | | Glxy | | |
| IC 916 | | Glxy C | 15.3 | MCG 4-32-31 CGCG 131-28 PGC 48564 |
| IC 4322 | | Glxy SA(r)0-: | 15.1 | CGCG 131-30 PGC 48635 |
| IC 933 | | Glxy S0 | 14.3 | UGC 8697 MCG 4-32-36 CGCG 131-35 PGC 48760 |
| IC 941 | | Glxy S | 15.2 | MCG 4-33-7 CGCG 132-16 PGC 48998 |
| IC 4331 | | Glxy | | |
| IC 4332 | | Glxy S | 15.1 | MCG 4-33-8 CGCG 132-18 PGC 49081 |
| IC 944 | | Glxy Sa | 14.3 | UGC 8766 MCG 2-35-19 CGCG 73-85 IRAS 13490+1420 KUG 1349+143 PGC 49204 |
| IC 946 | | Glxy Sa | 14.4 | UGC 8772 MCG 2-35-21 CGCG 73-89 PGC 49244 |
| IC 949 | | Glxy S-Irr | 15.1 | UGC 8777 MCG 4-33-15 CGCG 132-26 IRAS 13499+2246 PGC 49265 |
| IC 4337 | | Glxy | 15.2 | CGCG 102-71 PGC 49253 |
| IC 948 | | Glxy E | 14.1 | UGC 8779 MCG 2-35-23 CGCG 73-92 PGC 49281 |
| IC 950 | | Glxy S | 15.1 | UGC 8780 MCG 3-35-32 CGCG 102-73 PGC 49280 |
| IC 4342 | | Glxy S | 15.4 | MCG 4-33-21 CGCG 132-39 PGC 49425 |
| IC 956 | | Glxy | 15.7 | CGCG 132-42 PGC 49444 |
| IC 4343 | | Glxy E/S0 | 15.5 | MCG 4-33-24 CGCG 132-44 PGC 49470 |
| IC 4344 | | Glxy SB | 15.4 | MCG 4-33-26 CGCG 132-45 PGC 49492 |
| IC 4345 | | Glxy E? | 15.9 | MCG 4-33-25 CGCG 132-46 Hickson 69B PGC 49507 |
| IC 4349 | | Glxy S | 15.3 | MCG 4-33-32 CGCG 132-51 PGC 49530 |
| IC 4346 | | Glxy S | 15.3 | MCG 4-33-29 CGCG 132-49 PGC 49523 |
| IC 961 | | Glxy S | 15.4 | MCG 4-33-31 MK 664 CGCG 132-52 PGC 49522 |
| IC 4348 | | Glxy S | 15.8 | MCG 4-33-30 CGCG 132-50 PGC 49531 |
| IC 960 | | Glxy Double System | 14.6 | UGC 8849 MCG 3-36-3 CGCG 103-13 VV 335 PGC 49535 |
| IC 959 | | Glxy Sa | 13.8 | UGC 8848 MCG 2-36-1 CGCG 74-7 PGC 49540 |
| IC 962 | | Glxy S? | 14.2 | UGC 8868 MCG 2-36-3 CGCG 74-15 PGC 49626 |
| IC 963 | | Glxy S | 15.2 | MCG 3-36-9 CGCG 103-23 KUG 1355+176 PGC 49647 |
| IC 964 | | Glxy | 15.5 | MCG 3-36-10 CGCG 103-24 ARAK433 PGC 49661 |
| IC 965 | | Glxy S | 15.1 | MCG 3-36-11 CGCG 103-26 PGC 49667 |
| IC 967 | | Glxy Spiral | 14.8 | MCG 3-36-15 CGCG 103-31 IRAS 13559+1442 KUG 1355+147 PGC 49721 |
| NGC 5405 | | Glxy S? | 14.4 | UGC 8928 MCG 1-36-14 CGCG 46-36 IRAS 13586+756 PGC 49906 |
| NGC 5409 | | Glxy (R')SAB(s)b | 14.1 | UGC 8938 MCG 2-36-9 CGCG 74-44 PGC 49952 |

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| NGC 5411 | | Glxy S0-: | 14.4 | UGC 8940 MCG 2-36-11 CGCG 74-47 PGC 49967 |
| NGC 5418 | | Glxy SB? | 14.4 | UGC 8946 MCG 1-36-16 CGCG 46-40 IRAS 13597+755 PGC 49997 |
| IC 970 | | Glxy S0/a | 15.1 | UGC 8949 MCG 3-36-28 CGCG 103-49 KUG 1400+147 PGC 50010 |
| NGC 5424 | | Glxy S0 | 14 | UGC 8956 MCG 2-36-19 CGCG 74-63 PGC 50035 |
| NGC 5431 | | Glxy S? | 14.8 | MCG 2-36-20 CGCG 74-65 PGC 50046 |
| NGC 5434 | | Glxy SAc | 13.2 | UGC 8965 MCG 2-36-22 CGCG 74-68 PGC 50077 |
| NGC 5436 | | Glxy S0/a | 13.8 | UGC 8971 MCG 2-36-25 CGCG 74-71 PGC 50104 |
| IC 4365 | | Non-Existent | | |
| NGC 5437 | | Glxy Sb | 15.1 | IC 4365 PGC 50113 MCG 2-36-28 CGCG 74-74 |
| NGC 5438 | | Glxy E/S0 | 14.7 | NGC 5446 PGC 50112 MCG 2-36-29 CGCG 74-75 |
| NGC 5454 | | Glxy S0 | 13.7 | UGC 8997 MCG 3-36-42 CGCG 103-64 PGC 50192 |
| NGC 5456 | | Glxy S0 | 13.9 | UGC 9004 MCG 2-36-36 CGCG 74-89 PGC 50213 |
| NGC 5459 | | Glxy S0 | 14.1 | UGC 9005 MCG 2-36-37 CGCG 74-90 PGC 50215 |
| NGC 5446 | H57-3 | Non-Existent | | NGC 5438 PGC 50239 CGCG 74-93 |
| IC 4373 | | Glxy | 15.3 | CGCG 132-75 PGC 50274 |
| NGC 5463A | | Non-Existent | | |
| NGC 5463 | H58-3 | Glxy S? | 13.8 | UGC 9017 MCG 2-36-40 CGCG 74-102 PGC 50299 |
| NGC 5463B | | Glxy E3 | 15 | |
| NGC 5469 | | Glxy | 15.5 | PGC 50309 |
| IC 975 | | Glxy E | 15.6 | MCG 3-36-48 CGCG 103-72 PGC 50362 |
| NGC 5482 | H59-3 | Glxy S0 | 13.9 | UGC 9038 MCG 2-36-43 CGCG 74-115 PGC 50459 |
| IC 979 | | Glxy SBab | 14.5 | UGC 9053 MCG 3-36-61 CGCG 103-90 PGC 50530 |
| NGC 5487 | | Glxy SBbc | 14.7 | MCG 1-36-21 CGCG 46-61 IRAS 14072+818 PGC 50537 |
| NGC 5490A | | Non-Existent | | |
| IC 4380 | | Glxy Spiral | 15.1 | MCG 6-31-75 CGCG 191-59 KUG 1407+377 PGC 50565 |
| NGC 5490B | | Glxy Sc | 14.9 | |
| IC 984 | | Glxy Sb | 14.4 | UGC 9062 MCG 3-36-70 CGCG 103-99 IRAS 14077+1835 PGC 50580 |
| NGC 5500 | H674-3 | Glxy E | 14.3 | UGC 9070 MCG 8-26-8 MK 806 CGCG 247-7 PGC 50588 |
| NGC 5499 | | Glxy S? | 14.5 | UGC 9074 MCG 6-31-76 CGCG 191-60 IRAS 14086+3609 PGC 50623 |
| 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 4382 | | Glxy S? | 15.4 | CGCG 132-79 CGCG 133-2 Hickson 71B PGC 50635 |
| NGC 5498 | | Glxy S0-: | 14.6 | UGC 9075 MCG 4-33-43 CGCG 132-80 CGCG 133-3 PGC 50639 |
| IC 987 | | Glxy S | 15.2 | MCG 3-36-78 CGCG 103-112 PGC 50663 |
| IC 4384 | | Glxy S0/a | 14.9 | UGC 9082 MCG 5-33-54 CGCG 163-3 PGC 50690 |
| NGC 5504B | | Non-Existent | | |
| NGC 5504 | | Glxy SAB(s)bc | 13.8 | UGC 9085 MCG 3-36-81 CGCG 103-114 KUG 1409+160 PGC 50718 |
| IC 4383 | | Glxy Sc-Irr | 15.3 | UGC 9086 MCG 3-36-82 CGCG 103-115 KUG 1409+161 PGC 50713 |
| NGC 5504C | | Glxy Sd | 14.7 | |
| NGC 5508 | | Glxy S0 | 14.1 | UGC 9094 MCG 4-34-2 CGCG 133-9 PGC 50741 |
| NGC 5505 | | Glxy SBa | 14.1 | UGC 9092 MCG 2-36-48 CGCG 74-138 IRAS 14101+1332 KUG 1410+135 PGC 50745 |
| NGC 5512 | | Glxy E | 15.2 | CGCG 163-6 PGC 50749 |
| NGC 5517 | | Glxy S0/a | 14.8 | UGC 9100 MCG 6-31-79 CGCG 191-63 PGC 50758 |
| NGC 5511B | | Non-Existent | | |
| NGC 5511A | | Glxy C M | 14 | |

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| NGC 5511 | | Glxy Sm | 15 | MCG 2-36-51 CGCG 74-142 VV 299 8ZW382 PGC 50778 |
| NGC 5514 | | Glxy S? | 13.7 | UGC 9102 MCG 1-36-23 CGCG 46-66 VV 70 IRAS 14111+753 PGC 50809 |
| NGC 5514A | | Glxy C | 14.5 | |
| NGC 5518 | | Glxy E/S0 | 15 | MCG 4-34-6 CGCG 133-13 PGC 50817 |
| NGC 5519 | | Glxy Sa | 14 | NGC 5570 PGC 50865 UGC 9111 MCG 1-36-25 CGCG 46-70 |
| NGC 5524 | | Glxy Spiral | 15.2 | MCG +6-31-81 CGCG 191-67 PGC 50868 |
| NGC 5522 | H644-3 | Glxy Sb | 14.3 | UGC 9116 MCG 3-36-89 CGCG 103-125 IRAS 14124+1522 PGC 50889 |
| NGC 5527 | | Glxy SB | 16 | MCG 6-31-85A PGC 50925 |
| NGC 5525 | | Glxy S0 | 13.8 | UGC 9124 MCG 3-36-96 CGCG 103-132 PGC 50946 |
| IC 990 | | Glxy L | 15.2 | MCG 7-29-56 CGCG 219-63 PGC 50958 |
| NGC 5528 | | Glxy Sb | 14.9 | MCG 2-36-60 CGCG 74-153 PGC 50981 |
| IC 4394 | | Non-Existent | | |
| NGC 5531 | | Glxy S0 | 14.7 | MCG 2-36-61 CGCG 74-155 PGC 50999 |
| 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 5545 | | Glxy SA(s)bc: | 16 | UGC 9143 MCG 6-31-91 VV 210 ARP 199 IRAS 14149+3648 PGC 51023 |
| 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 |
| IC 4396 | | Glxy S | 15.6 | MCG 5-34-8 CGCG 163-16 PGC 51050 |
| NGC 5535 | | Glxy C | 15 | |
| NGC 5539 | | Glxy S | 15.4 | NGC 5535 MCG 1-36-33 CGCG 46-84 PGC 51054 |
| NGC 5538 | | Glxy | 15.4 | CGCG 46-83 PGC 51056 |
| NGC 5542 | | Glxy Sb | 15.2 | MCG 1-36-34 CGCG 46-85 ARAK445 PGC 51066 |
| IC 4397 | | Glxy S? | 14.1 | UGC 9150 MCG 5-34-12 CGCG 163-18 IRAS 14156+2638 KUG 1415+266 PGC 51073 |
| IC 4398 | | Glxy S? | 15.3 | MCG 5-34-13 CGCG 163-20 PGC 51082 |
| NGC 5543 | | Glxy | 15.5 | CGCG 46-88 PGC 51079 |
| NGC 5546 | H551-3 | Glxy E | 13.3 | UGC 9148 MCG 1-36-35 CGCG 46-89 PGC 51084 |
| IC 4403 | | Glxy S? | 14.8 | UGC 9158 MCG 5-34-16 CGCG 163-23 IRAS 14160+3153 KARA622 PGC 51091 |
| IC 993 | | Glxy S | 15.7 | MCG 2-36-63 CGCG 74-160 CGCG 75-1 ARAK446 PGC 51093 |
| IC 994 | | Glxy Sa | 14.3 | UGC 9153 MCG 2-36-64 CGCG 74-161 CGCG 75-2 PGC 51095 |
| IC 4399 | | Glxy Sb | 14.9 | UGC 9157 MCG 5-34-14 CGCG 163-22 PGC 51100 |
| NGC 5550 | | Glxy S? | 14.1 | UGC 9154 MCG 2-36-65 CGCG 75-3 CGCG 74-162 PGC 51108 |
| NGC 5553 | | Glxy Sa: | 15 | UGC 9160 MCG 5-34-17 CGCG 163-24 PGC 51105 |
| IC 4405 | | Glxy S? | 14.7 | MCG 5-34-19 CGCG 163-28 PGC 51167 |
| NGC 5567 | | Glxy S0/a | 14.8 | MCG 6-31-96 CGCG 191-75 PGC 51161 |
| NGC 5568 | | Glxy Sc | 15.7 | MCG 6-31-98 CGCG 191-77 PGC 51168 |
| NGC 5570 | H12-3 | Non-Existent | | NGC 5519 PGC 51185 CGCG 47-7 |
| IC 999 | | Glxy S0? | 14.9 | UGC 9168 MCG 3-37-1 CGCG 104-3 PGC 51189 |
| NGC 5571 | | Non-Existent | | |
| NGC 5572 | | Glxy Sb | 15 | UGC 9173 MCG 6-31-99 CGCG 191-79 CGCG 192-2 KUG 1417+363 PGC 51196 |
| IC 1000 | | Glxy S0 | 14.7 | UGC 9170 MCG 3-37-3 CGCG 104-4 PGC 51201 |
| NGC 5562 | | Glxy S? | 14.5 | UGC 9174 MCG 2-37-2 CGCG 75-11 PGC 51227 |
| NGC 5579 | H415-3 | Glxy Sc | 13.7 | |
| IC 1004 | | Glxy L | 16 | MCG 3-37-7 PGC 51273 |
| IC 4408 | | Glxy S | 15 | UGC 9191 MCG 5-34-24 CGCG 163-31 IRAS 14190+3013 PGC 51283 |
| NGC 5581 | | Glxy E/S0 | 15.1 | MCG 4-34-21 CGCG 133-38 PGC 51282 |

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| NGC 5589 | H416-3 | Glxy SBa | 14.2 | PGC 51300 UGC 9197 MCG 6-32-5 CGCG 192-4 |
| NGC 5665A | | Glxy Sbc: | 14.8 | |
| NGC 5588 | | Non-Existent | | |
| IC 4409 | | Glxy S? | 15.3 | MCG 5-34-26 CGCG 163-33 IRAS 14193+3148 PGC 51306 |
| NGC 5583 | | Glxy S? | 14.4 | UGC 9196 MCG 2-37-4 CGCG 75-18 PGC 51313 |
| NGC 5586 | | Non-Existent | | |
| IC 4410 | | Glxy S | 15.7 | MCG 3-37-9 CGCG 104-9 PGC 51338 |
| 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 5591 | | Glxy S? | 14.1 | UGC 9207 MCG 2-37-6 MK 809 CGCG 75-23 IRAS 14201+1356 PGC 51360 |
| NGC 5601 | | Glxy Sb | 15.6 | MCG 7-30-6 CGCG 220-9 PGC 51370 |
| NGC 5603B | | Glxy Sc | 14.4 | |
| IC 4413 | | Glxy C | 14.6 | |
| IC 1006 | | Glxy S | 15.2 | MCG 4-34-23 CGCG 133-45 KUG 1420+240 PGC 51378 |
| NGC 5603A | | Non-Existent | | |
| IC 4412 | | Non-Existent | | MCG 4-34-24 CGCG 133-46 PGC 51391 |
| NGC 5594 | H135-3 | Glxy S | 15 | IC 4412 PGC 51391 MCG 4-34-24 CGCG 133-46 |
| NGC 5608 | H673-2 | Glxy Im: | 13.9 | UGC 9219 MCG 7-30-9 CGCG 220-12 KARA627 PGC 51396 |
| IC 1008B | | Non-Existent | | |
| IC 4414B | | Non-Existent | | |
| IC 4414A | | Non-Existent | | |
| NGC 5609 | | Glxy | | |
| NGC 5615 | | Glxy | 15.5 | MCG 6-32-23 VV 77 ARP 178 PGC 51435 |
| IC 4416 | | Glxy C | 15.7 | MCG 5-34-31 CGCG 163-39 PGC 51452 |
| NGC 5616 | H419-3 | Glxy Sbc | 14.6 | UGC 9231 MCG 6-32-26 CGCG 192-15 IRAS 14222+3641 PGC 51448 |
| NGC 5610 | H136-3 | Glxy SB(s)ab | 14.1 | UGC 9230 MCG 4-34-25 CGCG 133-49 IRAS 14221+2450 PGC 51450 |
| IC 4415 | | Glxy | | |
| IC 4417 | | Glxy E/S0 | 15.5 | MCG 3-37-14 CGCG 104-17 PGC 51480 |
| IC 4418 | | Glxy C | 15 | CGCG 133-52 PGC 51510 |
| IC 1008 | | Glxy SB | 16.5 | MCG 5-34-38 MK 680 PGC 51518 |
| IC 4420 | | Glxy SB | 15.4 | MCG 4-34-27 CGCG 133-53 KUG 1423+256 PGC 51520 |
| IC 4419 | | Glxy | | |
| IC 4422 | | Glxy E? | 14.9 | MCG 5-34-39 CGCG 163-48 PGC 51530 |
| NGC 5622 | H677-3 | Glxy Sb | 14 | UGC 9248 MCG 8-26-32 CGCG 247-28 IRAS 14244+4847 KARA630 PGC 51541 |
| IC 4423 | | Glxy S | 15 | UGC 9247 MCG 4-34-28 CGCG 133-55 PGC 51549 |
| IC 1009 | | Glxy S | 15.5 | MCG 2-37-7 CGCG 75-31 PGC 51550 |
| NGC 5624 | | Glxy S? | 14.1 | UGC 9256 MCG 9-24-6 CGCG 273-6 IRAS 14248+5148 PGC 51568 |
| IC 4425 | | Glxy S? | 15.2 | CGCG 163-49 KUG 1424+274 PGC 51575 |
| IC 4427 | | Glxy S? | 15.5 | MCG 5-34-41 CGCG 163-50 IRAS 14247+2705 PGC 51591 |
| NGC 5625 | | Glxy Sbc | 14.8 | MCG 7-30-13 CGCG 220-17 VV 25 PGC 51592 |
| IC 1012 | | Glxy Sc | 13.9 | IC 4431 IC 1012 UGC 9257 MCG 5-34-43 CGCG 163-52 PGC 51600 |
| IC 4431 | | Non-Existent | | IC 4431 IC 1012 UGC 9257 MCG 5-34-43 CGCG 163-52 PGC 51600 |
| IC 4426 | | Glxy S0? | 15.5 | MCG 3-37-16 CGCG 104-28 PGC 51607 |
| IC 4428 | | Glxy | | |
| IC 4437 | | Non-Existent | | (STAR) |
| IC 4435 | | Glxy E/S0 | 15.3 | MCG 6-32-37 CGCG 192-22 PGC 51615 |

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| IC 4429 | | Glxy S? | 15.2 | MCG 3-37-17 CGCG 104-29 PGC 51637 |
| IC 1013 | | Non-Existent | | |
| NGC 5621 | H14-3 | Non-Existent | | |
| IC 4434 | | Glxy | | |
| IC 4433 | | Glxy | 15.3 | CGCG 104-30 PGC 51651 |
| IC 4436 | | Glxy E? | 14.6 | MCG 5-34-45 CGCG 163-54 PGC 51654 |
| IC 1017 | | Glxy S0? | 14.7 | UGC 9276 MCG 4-34-32 CGCG 133-62 PGC 51668 |
| IC 1018 | | Glxy C | 15.7 | CGCG 133-63 PGC 51675 |
| IC 1019 | | Glxy S | 15.4 | MCG 4-34-33 CGCG 133-64 PGC 51667 |
| NGC 5629 | | Glxy S0 | 13 | UGC 9281 MCG 4-34-34 CGCG 133-65 PGC 51681 |
| IC 1014 | | Glxy Sdm | 13 | UGC 9275 MCG 2-37-12 CGCG 75-45 IRAS 14259+1400 PGC 51685 |
| IC 1015 | | Glxy C | 15.2 | MCG 3-37-18 CGCG 104-31 1ZW90 VV 717 IRAS 14259+1538 8ZW422 PGC 51686 |
| NGC 5628 | | Glxy E | 14.3 | UGC 9278 MCG 3-37-19 CGCG 104-33 PGC 51699 |
| NGC 5627 | | Glxy S0 | 13.9 | UGC 9280 MCG 2-37-13 CGCG 75-46 PGC 51705 |
| IC 4438 | | Glxy Sbc | 15.7 | MCG 3-37-20 CGCG 104-34 PGC 51709 |
| IC 4439 | | Glxy | 15.7 | CGCG 104-35 PGC 51720 |
| IC 4442 | | Glxy SBa | 14.9 | UGC 9287 MCG 5-34-50 CGCG 163-60 VV 15 PGC 51725 |
| NGC 5639 | | Glxy Scd: | 14.2 | UGC 9290 MCG 5-34-51 CGCG 163-61 PGC 51730 |
| NGC 5639A | | Non-Existent | | |
| IC 1020 | | Glxy S0 | 15.1 | UGC 9289 MCG 4-34-35 CGCG 133-68 PGC 51728 |
| NGC 5639B | | Glxy S | 15.4 | |
| IC 4440 | | Glxy L | 15.4 | MCG 3-37-22 CGCG 104-37 PGC 51734 |
| 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 4446 | | Glxy Sbc | 15.8 | MCG 6-32-44 PGC 51742 |
| 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 |
| IC 1021 | | Glxy SBa | 14.7 | UGC 9296 MCG 4-34-38 CGCG 133-71 PGC 51764 |
| IC 4443 | | Glxy | | |
| IC 4447 | | Glxy S0/a | 14.4 | UGC 9306 MCG 5-34-56 CGCG 163-66 PGC 51754 |
| IC 1027 | | Glxy S | 15.2 | UGC 9331 MCG 9-24-9 CGCG 273-8 PGC 51796 |
| NGC 5654 | H420-3 | Glxy S? | 13.9 | UGC 9319 MCG 6-32-50 CGCG 192-32 PGC 51807 |
| NGC 5644 | | Glxy S0 | 13.5 | UGC 9321 MCG 2-37-16 CGCG 75-57 PGC 51834 |
| NGC 5648 | | Glxy Sbc | 13.3 | NGC 5649 PGC 51840 UGC 9330 MCG 2-37-19 CGCG 75-59 IRAS 14281+1414 |
| NGC 5649 | H645-3 | Non-Existent | | NGC 5648 PGC 51857 UGC 9333 MCG 2-37-20 CGCG 75-60 IRAS 14284+1411 |
| NGC 5647 | | Glxy Sa | 14.9 | UGC 9329 MCG 2-37-17 CGCG 75-58 PGC 51843 |
| NGC 5657 | | Glxy SBb: | 14.1 | UGC 9335 MCG 5-34-60 MK 814 CGCG 163-69 IRAS 14285+2924 PGC 51850 |
| NGC 5655 | | Glxy Scd? | 13.9 | PGC 51863 |
| NGC 5659 | | Glxy Sb | 14.7 | UGC 9342 MCG 4-34-44 CGCG 133-82 PGC 51875 |
| IC 1026 | | Non-Existent | | |
| IC 4449 | | Glxy | | |
| IC 4450 | | Glxy S | 15 | UGC 9349 MCG 5-34-65 CGCG 163-73 IRAS 14300+2846 PGC 51939 |
| IC 4452 | | Glxy E? | 15.4 | CGCG 163-76 KARA633 PGC 51951 |
| 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 |
| NGC 5669 | H79-2 | Glxy SAB(rs)cd | 12 | UGC 9353 MCG 2-37-21 CGCG 75-64 IRAS 14302+1006 PGC 51973 |

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| NGC 5666 | | Glxy S? | 13.8 | UGC 9360 MCG 2-37-23 CGCG 75-66 IRAS 14307+1043 PGC 51995 |
| IC 1028 | | Glxy S | 14.7 | UGC 9368 MCG 7-30-25 CGCG 220-28 PGC 52005 |
| IC 4454 | | Glxy | | |
| IC 1030 | | Non-Existent | | |
| IC 4456 | | Glxy | | |
| 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 1031 | | Glxy | 15.4 | CGCG 248-5 PGC 52082 |
| IC 4457 | | Glxy | | |
| IC 4459 | | Glxy S | 15.5 | MCG 5-34-74 CGCG 163-83 PGC 52087 |
| IC 4460 | | Glxy Sa | 13.2 | MCG 5-34-75 CGCG 163-84 PGC 52089 |
| IC 1032 | | Glxy C | 15.6 | CGCG 248-6 1ZW91 PGC 52097 |
| IC 1033 | | Glxy | 15.3 | CGCG 248-7 PGC 52099 |
| NGC 5682 | | Glxy SB(s)b | 14.6 | UGC 9388 MCG 8-27-2 CGCG 248-8 IRAS 14329+4853 PGC 52107 |
| NGC 5683 | | Glxy SB(s)0/a? | 15.7 | MCG 8-27-3 MK 474 CGCG 248-9 PGC 52114 |
| IC 4461 | | Glxy Double System | 15.2 | UGC 9384 MCG 5-34-77 CGCG 163-85 VV 303 ARP 95 PGC 52119 |
| IC 4462 | | Glxy L | 16.9 | UGC 9384 MCG 5-34-78 CGCG 163-85 VV 303 ARP 95 PGC 52123 |
| NGC 5681 | | Glxy S | 14.3 | UGC 9393 MCG 2-37-25 CGCG 75-83 IRAS 14332+831 PGC 52169 |
| IC 4463 | | Glxy | 15.4 | CGCG 104-46 PGC 52175 |
| IC 4465 | | Glxy | | |
| NGC 5693 | | Glxy SB(rs)d | 14.1 | UGC 9406 MCG 8-27-6 CGCG 248-11 PGC 52194 |
| NGC 5685 | | Glxy E: | 14.3 | UGC 9403 MCG 5-34-81 CGCG 163-87 PGC 52192 |
| IC 4471 | | Non-Existent | | UGC 9407 MCG 7-30-31 CGCG 220-33 IRAS 14345+4154 PGC 52207 |
| 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 4466 | | Glxy | 15.5 | CGCG 104-48 PGC 52228 |
| IC 4467 | | Glxy E | 15.6 | |
| NGC 5696 | H648-2 | Glxy Sbc | 13.8 | UGC 9415 MCG 7-30-36 CGCG 220-36 IRAS 14350+4202 PGC 52235 |
| NGC 5700 | | Glxy SB | 15.2 | UGC 9423 MCG 8-27-7 CGCG 248-13 PGC 52237 |
| IC 1034 | | Glxy | 15.6 | CGCG 104-49 PGC 52244 |
| NGC 5698 | H700-2 | Glxy SBb | 13.8 | UGC 9419 MCG 7-30-38 CGCG 220-37 IRAS 14352+3840 PGC 52251 |
| IC 4469 | | Glxy Scd: | 15.6 | UGC 9414 MCG 3-37-26 CGCG 104-51 PGC 52258 |
| NGC 5707 | | Glxy Sab: sp | 13.4 | UGC 9428 MCG 9-24-23 CGCG 273-15 PGC 52266 |
| NGC 5704 | H649-2 | Glxy | | |
| IC 4473 | | Glxy S | 15.2 | MCG 3-37-27 CGCG 104-52 VV 732 PGC 52287 |
| IC 1035 | | Glxy L | 14.9 | MCG 2-37-28 CGCG 75-97 PGC 52305 |
| NGC 5714 | H675-3 | Glxy Scd: | 14.1 | UGC 9431 MCG 8-27-11 CGCG 248-14 IRAS 14363+4651 PGC 52307 |
| NGC 5708 | | Non-Existent | | NGC 5704 PGC 52315 UGC 9430 MCG 7-30-44 CGCG 220-42 IRAS 14363+4040 |
| NGC 5699 | H127-3 | Glxy | | |
| IC 1036 | | Glxy | 15.6 | CGCG 104-56 PGC 52320 |
| IC 4475 | | Glxy L | 15 | MCG 4-35-1 CGCG 134-6 PGC 52325 |
| IC 4474 | | Glxy | | |
| IC 1037 | | Glxy L | 14.8 | MCG 3-37-28 CGCG 104-57 PGC 52319 |
| NGC 5703 | H128-3 | Glxy | | |
| NGC 5720 | | Glxy Sb | 14.2 | UGC 9439 MCG 9-24-25 CGCG 273-17 PGC 52328 |
| IC 4477 | | Glxy | 15.6 | CGCG 164-3 PGC 52327 |

Bootes - The Herdsman

Observed: No

| Object | Her | Type | Mag | Alias/Notes |
|----------|--------|----------------|------|--|
| NGC 5717 | | Glxy S | 15.3 | MCG 8-27-12 CGCG 248-15 PGC 52332 |
| NGC 5706 | | Non-Existent | | NGC 5699 PGC 52334 MCG 5-35-2 CGCG 164-4 |
| IC 4479 | | Glxy Scd: | 14.1 | UGC 9433 MCG 5-35-1 CGCG 164-5 IRAS 14365+2842 PGC 52338 |
| NGC 5709 | | Non-Existent | | NGC 5703 PGC 52343 UGC 9435 MCG 5-35-3 CGCG 164-6 IRAS 14366+3039 |
| NGC 5721 | | Glxy | 16.9 | MCG 8-27-13 CGCG 248-16 PGC 52346 |
| NGC 5722 | | Glxy | 14.4 | MCG 8-27-14 PGC 52355 |
| NGC 5702 | H894-3 | Glxy S0 | 14.3 | UGC 9434 MCG 4-35-2 CGCG 134-7 PGC 52347 |
| NGC 5723 | | Glxy E/S0 | 15.6 | MCG 8-27-15 CGCG 248-16 PGC 52354 |
| NGC 5724 | | Glxy | 18 | MCG 8-27-16 PGC 52360 |
| IC 4478 | | Glxy C | 15.2 | CGCG 104-59 PGC 52363 |
| NGC 5710 | H895-3 | Glxy E | 14 | UGC 9440 MCG 3-37-32 CGCG 104-60 PGC 52369 |
| NGC 5711 | | Glxy S? | 14.9 | UGC 9445 MCG 3-37-33 CGCG 104-62 IRAS 14370+2012 PGC 52376 |
| IC 4480 | | Glxy R | 15.4 | MCG 3-37-34 CGCG 104-63 PGC 52394 |
| NGC 5730 | H657-3 | Glxy Im: | 14.6 | UGC 9456 MCG 7-30-46 CGCG 220-44 IRAS 14379+4257 PGC 52396 |
| IC 4481 | | Glxy | | |
| IC 1038 | | Glxy | 15.5 | CGCG 75-105 PGC 52403 |
| 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 4482 | | Glxy D | 15.3 | CGCG 104-64 PGC 52408 |
| IC 4483 | | Glxy Sb | 14.7 | UGC 9455 MCG 3-37-35 CGCG 104-66 PGC 52417 |
| NGC 5727 | | Glxy SABdm | 14.2 | UGC 9465 MCG 6-32-83 CGCG 192-52 KARA642 PGC 52424 |
| IC 4485 | | Glxy | 15.7 | CGCG 164-10 PGC 52419 |
| IC 1040 | | Glxy | 15.5 | CGCG 75-107 PGC 52437 |
| NGC 5732 | H686-3 | Glxy Sbc | 14.3 | UGC 9467 MCG 7-30-48 CGCG 220-46 IRAS 14386+3851 PGC 52438 |
| IC 1045 | | Non-Existent | | |
| IC 1044 | | Glxy S | 14.8 | MCG 2-37-29 CGCG 75-111 PGC 52477 |
| IC 4486 | | Glxy | 15.2 | CGCG 104-68 CGCG 105-1 PGC 52481 |
| IC 4487 | | Glxy S | 15.5 | MCG 3-37-37 CGCG 105-3 CGCG 104-70 PGC 52496 |
| IC 1047 | | Glxy S | 15.6 | MCG 3-37-38 CGCG 105-4 CGCG 104-71 PGC 52522 |
| 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 5735 | H133-3 | Glxy SB(rs)bc | 13.1 | UGC 9481 MCG 5-35-7 CGCG 164-13 IRAS 14403+2856 PGC 52535 |
| IC 4492 | | Glxy C | 15.8 | MCG 6-32-88 CGCG 192-54 ARAK455 PGC 52536 |
| IC 4488 | | Glxy | | |
| NGC 5737 | H896-3 | Glxy SBb | 14.3 | UGC 9488 MCG 3-37-39 CGCG 105-7 PGC 52582 |
| IC 4489 | | Glxy | | |
| NGC 5736 | | Glxy Sa | 14.7 | MCG 2-38-1 CGCG 76-7 PGC 52597 |
| NGC 5751 | H809-2 | Glxy Scd: | 13.9 | UGC 9498 MCG 9-24-33 CGCG 273-24 IRAS 14422+5336 PGC 52607 |
| IC 4496 | | Glxy S0 | 15 | MCG 6-32-90 CGCG 192-56 PGC 52610 |
| IC 1050 | | Glxy Sb | 15 | MCG 3-38-2 CGCG 105-11 PGC 52630 |
| IC 1051 | | Glxy | 15.4 | CGCG 105-12 PGC 52629 |
| IC 1052 | | Glxy SB:c | 15.3 | UGC 9494 MCG 4-35-7 CGCG 134-25 IRAS 14419+2049 PGC 52632 |
| IC 4495 | | Glxy | 15.7 | CGCG 134-27 PGC 52634 |
| IC 4493 | | Non-Existent | | UGC 9496 MCG 2-38-2 CGCG 76-13 IRAS 14419+1220 PGC 52638 |
| 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 4497 | | Glxy S0? | 14.8 | MCG 5-35-9 CGCG 164-15 PGC 52636 |
| IC 4494 | | Glxy C | 15.1 | MCG 3-38-3 CGCG 105-13 PGC 52644 |

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Observed: No

| Object | Her | Type | Mag | Alias/Notes |
|----------|--------|--------------------|------|---|
| IC 4500 | | Glxy | 15.8 | MCG 6-32-91 CGCG 192-57 ARAK457 PGC 52656 |
| IC 4498 | | Glxy S0? | 15.3 | MCG 5-35-10 CGCG 164-16 PGC 52667 |
| NGC 5748 | | Glxy | 15.4 | CGCG 134-29 PGC 52672 |
| NGC 5752 | | Glxy Sb | 16.6 | MCG 7-30-60 CGCG 220-52 ARP 297 PGC 52685 |
| IC 4502 | | Glxy | | |
| NGC 5755 | | Glxy SBd | 16 | UGC 9507 MCG 7-30-63 CGCG 220-53 ARP 297 PGC 52690 |
| IC 1053 | | Glxy Sb | 15.2 | MCG 3-38-8 CGCG 105-20 PGC 52709 |
| 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 1057 | | Non-Existent | | IC 1057 IC 1056 UGC 9516 MCG 8-27-23 CGCG 273-25 IRAS 14441+5036 KARA645 PGC 52713 |
| IC 4505 | | Glxy S0-: | 14.7 | UGC 9520 MCG 6-32-99 CGCG 192-61 PGC 52754 |
| IC 4504 | | Glxy E | 15.3 | CGCG 164-23 PGC 52750 |
| IC 4503 | | Glxy S | 14.8 | MCG 3-38-10 CGCG 105-23 PGC 52763 |
| IC 4506 | | Glxy | 15.5 | CGCG 192-62 PGC 52764 |
| NGC 5758 | | Glxy S0-: | 14.5 | UGC 9524 MCG 2-38-11 CGCG 76-39 PGC 52787 |
| NGC 5759 | | Glxy Double System | 14.9 | UGC 9525 MCG 2-38-12 CGCG 76-44 ARAK460 IRAS 14448+1339 PGC 52797 |
| IC 4507 | | Glxy S | 15.6 | MCG 3-38-16 CGCG 105-27 PGC 52834 |
| NGC 5760 | H885-3 | Glxy Sa | 14.2 | UGC 9531 MCG 3-38-15 CGCG 105-28 IRAS 14453+1841 PGC 52833 |
| IC 4508 | | Glxy | 15.3 | CGCG 164-25 PGC 52843 |
| IC 4509 | | Glxy S | 15.2 | UGC 9536 MCG 5-35-16 CGCG 164-29 PGC 52874 |
| NGC 5762 | | Glxy S? | 13.7 | UGC 9535 MCG 2-38-14 CGCG 76-63 PGC 52887 |
| NGC 5763 | | Glxy | 15.3 | CGCG 76-64 PGC 52905 |
| IC 1058 | | Glxy S | 14.9 | UGC 9538 MCG 3-38-29 CGCG 105-35 PGC 52915 |
| NGC 5767 | | Glxy SBab: | 14.9 | UGC 9549 CGCG 248-22 PGC 52942 |
| IC 4512 | | Glxy | | |
| IC 1069 | | Glxy S0 | 14.8 | UGC 9563 MCG 9-24-44 CGCG 273-29 PGC 53000 |
| IC 4514 | | Glxy SB(s)ab | 15 | UGC 9557 MCG 5-35-19 CGCG 164-34 PGC 53010 |
| IC 4515 | | Glxy S | 15.7 | MCG 6-33-3 CGCG 193-5 PGC 53026 |
| IC 1061 | | Non-Existent | | |
| IC 1062 | | Glxy E/S0 | 15.5 | MCG 3-38-41 CGCG 105-47 PGC 53044 |
| IC 1074 | | Glxy S | 15.1 | UGC 9572 MCG 9-24-47 CGCG 273-30 PGC 53084 |
| NGC 5771 | H129-3 | Glxy E? | 14.6 | MCG 5-35-21 CGCG 164-37 PGC 53088 |
| NGC 5773 | H130-3 | Glxy S? | 14.5 | UGC 9571 MCG 5-35-22 CGCG 164-38 PGC 53124 |
| NGC 5769 | | Glxy E | 15.4 | MCG 1-38-8 CGCG 48-47 ARAK462 PGC 53145 |
| NGC 5788 | | Glxy | 15.6 | MCG 9-24-49 CGCG 273-32 PGC 53189 |
| NGC 5785 | | Non-Existent | | NGC 5783 PGC 53217 UGC 9586 MCG 9-24-50 CGCG 273-33 IRAS 14519+5216 |
| NGC 5783 | | Glxy SBc | 12.9 | |
| NGC 5784 | H676-2 | Glxy S0 | 13.4 | UGC 9592 MCG 7-31-6 CGCG 221-9 IRAS 14524+4245 PGC 53265 |
| NGC 5780 | | Glxy S? | 15 | MCG 5-35-24 CGCG 164-41 PGC 53275 |
| IC 4516 | | Glxy E | 14.2 | UGC 9587 MCG 3-38-49 CGCG 105-64 PGC 53274 |
| NGC 5778 | | Glxy E? | 14.8 | NGC 5825 PGC 53279 UGC 9590 MCG 3-38-50 CGCG 105-66 VV 766 |
| IC 4517 | | Glxy | 15.5 | CGCG 134-50 PGC 53291 |
| IC 4519 | | Glxy S | 15.3 | MCG 6-33-7 CGCG 193-9 PGC 53311 |
| IC 1075 | | Glxy SBb | 14.6 | UGC 9593 MCG 3-38-53 CGCG 105-69 PGC 53314 |
| 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 4520 | | Glxy Sb | 15.1 | MCG 6-33-8 CGCG 193-10 IRAS 14530+3355 PGC 53328 |
| NGC 5787 | H677-2 | Glxy S? | 14.1 | UGC 9599 MCG 7-31-8 CGCG 221-13 1ZW98 PGC 53339 |
| NGC 5794 | | Glxy S? | 14.4 | UGC 9610 MCG 8-27-32 CGCG 248-27 PGC 53378 |
| NGC 5782 | | Glxy S0 | 14.6 | MCG 2-38-21 CGCG 76-94 PGC 53322 |
| NGC 5795 | | Glxy S? | 14.8 | UGC 9617 MCG 8-27-35 CGCG 248-29 IRAS 14546+4935 PGC 53402 |
| NGC 5797 | H678-3 | Glxy S0/a | 13.8 | UGC 9619 MCG 8-27-36 CGCG 248-30 PGC 53408 |
| IC 1078 | | Glxy Sa | 14.4 | UGC 9608 MCG 2-38-25 CGCG 76-102 PGC 53411 |
| NGC 5789 | H976-3 | Glxy Sdm | 14.2 | UGC 9615 MCG 5-35-26 CGCG 164-43 IRAS 14545+3025 PGC 53414 |
| IC 1079 | | Glxy E | 13.9 | UGC 9611 MCG 2-38-26 CGCG 76-103 IRAS 14542+931 PGC 53418 |
| NGC 5804 | H679-3 | Glxy SB(s)b | 13.9 | UGC 9627 MCG 8-27-38 CGCG 248-32 IRAS 14554+4952 PGC 53437 |
| NGC 5805 | | Glxy | 15.9 | PGC 53381 |
| NGC 5790 | | Glxy (R)SA0/a | 14.6 | UGC 9624 MCG 1-38-22 CGCG 48-76 CGCG 76-110 PGC 53459 |
| NGC 5798 | H131-3 | Glxy Im: | 13.6 | UGC 9628 MCG 5-35-28 CGCG 164-47 IRAS 14555+3009 PGC 53463 |
| 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 5818 | | Glxy S0 | 14.7 | UGC 9643 MCG 8-27-46 CGCG 248-39 PGC 53530 |
| NGC 5821 | H811-3 | Glxy S? | 14.5 | UGC 9648 MCG 9-25-2 CGCG 273-39 CGCG 274-5 PGC 53532 |
| IC 4521 | | Glxy S | 15.4 | MCG 4-35-22 CGCG 134-62 PGC 53558 |
| IC 4528 | | Glxy S? | 15.1 | MCG 8-27-49 IRAS 14588+4922 PGC 53607 |
| NGC 5828A | | Glxy Sb | 16.1 | |
| NGC 5828B | | Non-Existent | | |
| NGC 5828 | | Glxy S | 14.3 | UGC 9658 MCG 8-27-51 CGCG 248-43 PGC 53618 |
| NGC 5830 | | Glxy Sb | 15 | UGC 9670 MCG 8-27-56 CGCG 248-47 IRAS 15001+4804 PGC 53674 |
| NGC 5827 | | Glxy Sab pec: | 13.9 | UGC 9662 MCG 4-35-24 CGCG 134-66 IRAS 14597+2609 PGC 53676 |
| NGC 5825 | | Non-Existent | | |
| IC 4524 | | Glxy | 15.6 | CGCG 134-68 PGC 53684 |
| IC 4525 | | Glxy B R | 15.7 | MCG 4-35-25 CGCG 134-69 PGC 53705 |
| NGC 5835 | | Glxy Sa | 15.3 | UGC 9674 MCG 8-27-57 CGCG 248-48 PGC 53699 |
| IC 4526 | | Glxy S | 16.6 | UGC 9673 MCG 4-35-26 CGCG 134-70 IRAS 15004+2332 Hickson 73B ARP 42 PGC 53707 |
| 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 |
| IC 1085 | | Glxy S | 14.7 | MCG 3-38-74 CGCG 105-98 PGC 53710 |
| IC 1086 | | Glxy | 15.5 | MCG 3-38-77 CGCG 105-101 PGC 53734 |
| IC 4530 | | Glxy S | 15.3 | UGC 9679 MCG 4-36-1 CGCG 135-2 PGC 53752 |
| IC 1090 | | Non-Existent | | (STAR) MCG 7-31-25 CGCG 221-22 ARAK467 1ZW101 PGC 53753 |
| NGC 5840 | | Non-Existent | | |
| IC 4531 | | Glxy C | 15.5 | CGCG 135-3 PGC 53792 |
| IC 4532 | | Glxy | | |
| IC 4533 | | Glxy Sa | 14.7 | UGC 9687 MCG 5-36-4 CGCG 165-10 PGC 53803 |
| NGC 5837 | | Glxy S | 14.5 | UGC 9686 MCG 2-38-36 CGCG 76-144 IRAS 15022+1249 PGC 53817 |
| NGC 5842 | | Glxy | 15.3 | MCG 4-36-3 CGCG 135-5 PGC 53831 |
| NGC 5853 | | Glxy SB | 14.5 | UGC 9707 MCG 7-31-30 CGCG 221-27 IRAS 15039+3942 PGC 53894 |
| NGC 5860 | | Glxy S? | 14.2 | UGC 9717 MCG 7-31-33 MK 480 CGCG 221-28 1ZW102 IRAS 15047+4249 PGC 53939 |
| NGC 5851 | H886-3 | Glxy S? | 15 | UGC 9714 MCG 2-38-44 CGCG 77-8 PGC 53965 |
| NGC 5852 | H887-3 | Glxy S? | 14.5 | MCG 2-38-45 CGCG 77-10 PGC 53974 |
| NGC 5856 | H71-4 | Non-Existent | | |

Bootes - The Herdsman

Observed: No

| Object | Her | Type | Mag | Alias/Notes |
|-----------|--------|---------------|------|---|
| NGC 5857 | H751-2 | Glxy SB(s)b | 13.9 | UGC 9724 MCG 3-39-4 CGCG 106-5 PGC 53995 |
| NGC 5859 | H572-2 | Glxy SB(s)bc | 13.3 | UGC 9728 MCG 3-39-5 CGCG 106-7 IRAS 15052+1946 PGC 54001 |
| IC 1093 | | Glxy SABbc | 14.6 | UGC 9727 MCG 3-39-2 CGCG 106-6 IRAS 15052+1444 PGC 54002 |
| IC 1092 | | Glxy | 15.1 | CGCG 77-15 PGC 53998 |
| IC 1094 | | Glxy C | 15.8 | MCG 3-39-6 CGCG 106-8 8ZW453 PGC 54011 |
| 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 |
| IC 4534 | | Glxy | | |
| IC 1096 | | Glxy S | 15 | MCG 3-39-9 CGCG 106-11 PGC 54055 |
| IC 1095 | | Non-Existent | | |
| IC 1097 | | Glxy S? | 14.8 | UGC 9735 MCG 3-39-10 CGCG 106-12 IRAS 15062+1922 PGC 54059 |
| NGC 5875A | | Glxy S? | 13.3 | |
| IC 4535 | | Glxy | | |
| NGC 5875 | H755-2 | Glxy SAB: | 13.2 | UGC 9745 MCG 9-25-27 CGCG 274-27 IRAS 15077+5243 PGC 54095 |
| NGC 5876 | | Glxy SB(r)ab: | 13.6 | UGC 9747 MCG 9-25-28 CGCG 274-28 PGC 54110 |
| NGC 5886 | | Glxy E/S0 | 15 | CGCG 221-36 PGC 54298 |
| NGC 5888 | H659-3 | Glxy SB(s)bc | 14.2 | UGC 9771 MCG 7-31-38 CGCG 221-37 PGC 54316 |
| NGC 5884 | | Non-Existent | | |
| NGC 5889 | | Glxy SBb? | 15.5 | PGC 54317 |
| 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 5895 | | Glxy Sc | 16.5 | MCG 7-31-43 CGCG 221-42 PGC 54366 |
| NGC 5896 | | Glxy | 16.3 | MCG 7-31-44 CGCG 221-42 PGC 54367 |
| NGC 5902 | H737-3 | Glxy S | 14 | MCG 8-28-11 CGCG 274-35 PGC 54394 |
| NGC 5900 | H660-3 | Glxy Sb: sp | 14.8 | UGC 9790 MCG 7-31-46 CGCG 221-44 IRAS 15132+4223 PGC 54431 |
| NGC 5901 | | Non-Existent | | |
| IC 1111 | | Glxy Sb | 15.2 | UGC 9800 MCG 9-25-39 CGCG 274-37 PGC 54473 |
| NGC 5914 | | Glxy Sb | 14.4 | CGCG 222-1 CGCG 221-51 PGC 57792 |
| NGC 5914A | | Glxy Sb | 15.3 | PGC 54654 MCG 7-31-55 |
| NGC 5914B | | Glxy S | 16.6 | MCG 7-31-56 PGC 54653 |
| NGC 5918 | | Glxy Scd: | 13.9 | UGC 9817 MCG 8-28-17 CGCG 249-16 IRAS 15177+4603 PGC 54690 |
| NGC 5922 | H661-3 | Non-Existent | | |
| 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 |
| IC 4542B | | Glxy S | 15.9 | MCG 6-34-7 PGC 54856 |
| IC 4542A | | Non-Existent | | |
| IC 4542 | | Glxy S0/a | 15.1 | MCG 6-34-6 CGCG 194-2 PGC 54855 |
| NGC 5929 | | Glxy Sab: pec | 14.4 | UGC 9851 MCG 7-32-6 CGCG 222-7 1ZW112 VV 823 ARP 90 PGC 55076 |
| 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 5932 | | Glxy S | 15.1 | MCG 8-28-33 CGCG 249-23 PGC 55109 |
| NGC 5933 | | Glxy L | 15.7 | MCG 8-28-34 CGCG 249-24 PGC 55117 |
| NGC 5934 | | Glxy S? | 14.8 | UGC 9862 MCG 7-32-11 CGCG 222-11 1ZW113 PGC 55178 |
| NGC 5935 | | Glxy Sb | 15.2 | MCG 7-32-13 CGCG 222-13 1ZW113 PGC 55183 |
| IC 1123 | | Non-Existent | | (STAR) |
| IC 4549 | | Glxy Sbc | 15.6 | MCG 6-34-11 CGCG 194-7 IRAS 15272+3259 PGC 55217 |
| NGC 5943 | | Glxy S0? | 14.2 | UGC 9870 MCG 7-32-16 CGCG 222-16 PGC 55242 |
| NGC 5945 | | Glxy SB(rs)ab | 13.7 | UGC 9871 MCG 7-32-17 CGCG 222-17 IRAS 15280+4305 PGC 55243 |

Bootes - The Herdsman

Observed: No

| Object | Her | Type | Mag | Alias/Notes |
|----------|--------|--------------|------|--|
| NGC 5947 | | Glxy SBbc | 14.5 | UGC 9877 MCG 7-32-19 CGCG 222-19 IRAS 15288+4253 PGC 55274 |
| NGC 5950 | | Glxy Sb | 14.5 | UGC 9884 MCG 7-32-21 CGCG 222-20 IRAS 15296+4036 PGC 55305 |
| IC 4557 | | Glxy | 15.7 | CGCG 222-26 PGC 55483 |
| IC 4560 | | Glxy | | |
| NGC 5966 | H634-3 | Glxy E | 13.1 | UGC 9923 MCG 7-32-32 CGCG 222-28 PGC 55552 |
| IC 4562 | | Glxy E? | 13.6 | UGC 9928 MCG 7-32-34 CGCG 222-30 1ZW118 PGC 55559 |
| IC 4562A | | Glxy | 15.7 | |
| IC 4563 | | Glxy S | 15.1 | MCG 7-32-33 CGCG 222-29 PGC 55565 |
| IC 4564 | | Glxy S? | 14.4 | UGC 9930 MCG 7-32-36 CGCG 222-33 IRAS 15347+4340 PGC 55584 |
| IC 4565 | | Glxy Sc | 14.8 | UGC 9931 MCG 7-32-37 CGCG 222-34 PGC 55592 |
| IC 4566 | | Glxy Sab | 14.1 | UGC 9933 MCG 7-32-38 CGCG 222-35 PGC 55601 |
| IC 4567 | | Glxy Scd? | 13.5 | UGC 9940 MCG 7-32-40 CGCG 222-37 IRAS 15354+4327 PGC 55620 |
| NGC 5992 | H635-3 | Glxy S | 14.3 | UGC 10003 MCG 7-32-49 MK 489 CGCG 222-47 IRAS 15425+4114 PGC 55913 |
| NGC 5993 | H636-3 | Glxy SB(r)b: | 13.9 | UGC 10007 MCG 7-32-50 CGCG 222-48 IRAS 15426+4116 PGC 55918 |

Sub Total: 457

Observed: Yes

| Object | Her | Type | Mag | Alias/Notes |
|---------------|--------|----------------|------|---|
| IC 982 | | Glxy SA0+ | 14 | UGC 9059 MCG 3-36-66 CGCG 103-96 ARP 117 PGC 50560 |
| 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 1029 | | Glxy SAB: sp | 12.2 | UGC 9361 MCG 8-26-42 CGCG 248-2 CGCG 247-41 IRAS 14307+5007 PGC 51955 |
| MAC 1423+4015 | | Glxy | 15 | |
| MAC 1432+3557 | | Glxy | 15 | |
| MAC 1432+3601 | | Glxy | 15.5 | |
| NGC 5248 | H34-1 | Glxy SAB(rs)bc | 11 | UGC 8616 MCG 2-35-15 CGCG 73-54 IRAS 13350+908 PGC 48130 |
| NGC 5293 | H6-5 | Glxy SA(r)c | 13.7 | UGC 8710 MCG 3-35-24 CGCG 102-57 PGC 48854 |
| NGC 5332 | | Glxy S0-: | 13.9 | UGC 8773 MCG 3-35-30 CGCG 102-70 PGC 49243 |
| NGC 5414 | | Glxy S? | 13.8 | UGC 8942 MCG 2-36-13 MK 800 CGCG 74-50 IRAS 13595+1010 PGC 49976 |
| NGC 5416 | H56-3 | Glxy Scd: | 13.3 | UGC 8944 MCG 2-36-14 CGCG 74-52 IRAS 13597+940 PGC 49991 |
| NGC 5417 | H11-3 | Glxy Sa | 13.9 | UGC 8943 MCG 1-36-15 CGCG 46-39 PGC 49995 |
| NGC 5423 | | Glxy S0-: | 13.7 | UGC 8952 MCG 2-36-17 CGCG 74-59 PGC 50028 |
| NGC 5434A | | Non-Existent | | |
| NGC 5434B | | Glxy Sc | 14 | |
| NGC 5466 | H9-6 | Globular | 9.2 | |
| NGC 5490 | H32-3 | Glxy E | 13.1 | UGC 9058 MCG 3-36-65 CGCG 103-95 PGC 50558 |
| NGC 5490C | | Glxy SB(s)bc | 14.7 | MCG 3-36-69 CGCG 103-100 ARP 79 PGC 50584 |
| 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 5504A | | Non-Existent | | |
| NGC 5509 | | Glxy E/S0 | 15.2 | PGC 50725 |
| NGC 5513 | H877-2 | Glxy S0 | 13.6 | UGC 9099 MCG 4-34-5 CGCG 133-11 PGC 50776 |
| 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 5520 | H676-3 | Glxy Sb | 13.3 | UGC 9097 MCG 8-26-13 CGCG 272-43 IRAS 14105+5034 PGC 50728 |
| 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 |

Bootes - The Herdsman

Observed: Yes

| Object | Her | Type | Mag | Alias/Notes |
|-----------|--------|--------------------|------|--|
| NGC 5529 | H414-3 | Glxy Sc: sp | 12.8 | UGC 9127 MCG 6-31-85 CGCG 191-69 IRAS 14134+3627 PGC 50942 |
| NGC 5532 | H47-3 | Glxy S0 | 12.9 | UGC 9137 MCG 2-36-62 CGCG 74-156 PGC 51006 |
| NGC 5532A | | Non-Existent | | |
| NGC 5532B | | Glxy S0 | 14.8 | |
| 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 5536 | H731-3 | Glxy SBa | 14.4 | UGC 9136 MCG 7-29-57 CGCG 219-64 IRAS 14143+3944 PGC 50986 |
| NGC 5541 | H732-3 | Glxy S? | 13.8 | UGC 9139 MCG 7-29-59 CGCG 219-65 ARAK444 IRAS 14144+3949 PGC 50991 |
| 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 5557 | H99-1 | Glxy E1 | 11.9 | UGC 9161 MCG 6-31-93 CGCG 191-74 PGC 51104 |
| NGC 5559 | H347-3 | Glxy SBb | 14.8 | UGC 9166 MCG 4-34-17 CGCG 133-32 IRAS 14169+2501 PGC 51155 |
| 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 5582 | H754-2 | Glxy E | 12.5 | UGC 9188 MCG 7-29-63 CGCG 220-3 CGCG 219-70 PGC 51251 |
| NGC 5587 | H110-3 | Glxy S0/a | 13.5 | UGC 9202 MCG 2-37-5 CGCG 75-20 PGC 51332 |
| NGC 5590 | H417-3 | Glxy S0 | 13.3 | PGC 51312 UGC 9200 MCG 6-32-6 CGCG 192-6 |
| NGC 5598 | H733-3 | Glxy S0 | 14 | UGC 9209 MCG 7-30-4 CGCG 220-7 PGC 51354 |
| 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 5602 | H694-2 | Glxy Sa | 13.6 | UGC 9210 MCG 9-24-2 CGCG 273-4 PGC 51340 |
| NGC 5603 | H734-3 | Glxy S0 | 14 | UGC 9217 MCG 7-30-8 CGCG 220-11 1ZW86 IRAS 14210+4036 PGC 51382 |
| NGC 5611 | | Glxy S0 | 13.6 | UGC 9227 MCG 6-32-20 CGCG 192-13 PGC 51431 |
| NGC 5613 | | Glxy (R)SAB(r)0+ | 14.5 | UGC 9228 MCG 6-32-21 VV 77 ARP 178 PGC 51433 |
| 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 5623 | H329-2 | Glxy E | 13.5 | UGC 9260 MCG 6-32-35 CGCG 192-21 PGC 51598 |
| NGC 5630 | H674-2 | Glxy Sdm: | 13.6 | UGC 9270 MCG 7-30-14 CGCG 220-18 IRAS 14256+4128 PGC 51635 |
| 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 5635 | H132-3 | Glxy S pec | 13.5 | UGC 9283 MCG 5-34-49 CGCG 163-58 IRAS 14263+2737 PGC 51706 |
| NGC 5646 | | Glxy SBb: | 15 | UGC 9312 MCG 6-32-45 CGCG 192-30 IRAS 14274+3540 PGC 51779 |
| 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 5656 | H421-2 | Glxy Sab | 12.7 | UGC 9332 MCG 6-32-53 CGCG 192-34 IRAS 14283+3532 PGC 51831 |
| 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 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 5673 | H696-2 | Glxy SBc? sp | 12.9 | UGC 9347 MCG 8-26-41 CGCG 247-39 CGCG 248-1 PGC 51901 |
| NGC 5675 | H422-2 | Glxy S? | 13.7 | UGC 9357 MCG 6-32-62 CGCG 192-38 IRAS 14305+3631 PGC 51965 |
| 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 5684 | H421-3 | Glxy S0 | 13.6 | UGC 9402 MCG 6-32-73 CGCG 192-46 PGC 52179 |
| NGC 5686 | | Glxy Sa | 15.3 | MCG 6-32-75 CGCG 192-48 PGC 52189 |
| NGC 5687 | H808-2 | Glxy S0-? | 12.6 | UGC 9395 MCG 9-24-20 CGCG 273-14 KARA637 PGC 52116 |
| 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 5695 | H423-2 | Glxy S? | 13.6 | UGC 9421 MCG 6-32-77 MK 686 CGCG 192-49 IRAS 14353+3647 PGC 52261 |
| NGC 5753 | | Glxy | 15.7 | MCG 7-30-62 CGCG 220-53 IRAS 14434+3859 ARP 297 PGC 52695 |
| 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 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 |
| NGC 5899 | H650-2 | Glxy SAB(rs)c | 12.5 | UGC 9789 MCG 7-31-45 CGCG 221-43 IRAS 15132+4214 PGC 54428 |
| PGC 50693 | | Glxy S0/a | 14.4 | UGC 9088 MCG 6-31-78 CGCG 191-62 IRAS 14097+3825 KARA616 |

Bootes - The Herdsman

Observed: Yes

| Object | Her | Type | Mag | Alias/Notes |
|-----------|-----|-----------|------|--|
| PGC 50828 | | Glxy S | 15.1 | MCG 4-34-7 CGCG 133-14 |
| PGC 51372 | | Glxy SAcD | 14.6 | UGC 9216 MCG 7-30-7 CGCG 220-10 |
| PGC 51417 | | Glxy S0 | 14.7 | UGC 9223 MCG 7-30-10 CGCG 220-13 |
| PGC 51443 | | Glxy L | 14.9 | MCG 6-32-24 |
| PGC 51447 | | Glxy L | 15.7 | MCG 6-32-25 |
| PGC 51464 | | Glxy S | 15.2 | UGC 9233 MCG 6-32-28 CGCG 192-16 |
| PGC 51470 | | Glxy SBa | 15.3 | UGC 9235 MCG 6-32-29 CGCG 192-17 |
| PGC 51477 | | Glxy Sc | 15.6 | UGC 9238 MCG 6-32-30 |
| PGC 51503 | | Glxy Sd | 14.1 | UGC 9242 MCG 7-30-11 CGCG 220-15 1ZW88 |
| PGC 51692 | | Glxy SBab | 15.1 | MCG 6-32-40 CGCG 192-27 |
| PGC 51792 | | Glxy S | 14.5 | UGC 9315 MCG 6-32-46 CGCG 192-31 |
| PGC 51800 | | Glxy Sa | 16.4 | MCG 6-32-47 CGCG 192-31 |
| PGC 51872 | | Glxy Sc | 14.7 | MCG 6-32-54 |
| PGC 51881 | | Glxy L | 14.9 | MCG 6-32-55 |
| PGC 51928 | | Glxy S | 15.3 | UGC 9350 MCG 6-32-60 CGCG 192-37 |
| PGC 52027 | | Glxy SBb | 15.2 | UGC 9372 MCG 6-32-67 CGCG 192-41 |
| PGC 52160 | | Glxy S0 | 15 | UGC 9397 MCG 6-32-71 CGCG 192-44 |
| PGC 52183 | | Glxy S0/a | 15.4 | MCG 6-32-74 CGCG 192-47 |
| PGC 52301 | | Glxy SBR | 15.5 | MCG 6-32-79 CGCG 192-50 |
| PGC 52358 | | Glxy | 14.5 | MK 475 ANON 1437+37 |
| PGC 52373 | | Glxy Sc | 15.7 | MCG 6-32-82 |

Sub Total: 90**Total: 547**