

Observations Listing by Catalog Number

| | | |
|------------------|------------|---|
| ABELL 31 | Cnc | Planetary Neb 3a |
| Mar 15 2005 8" | 11mmT6 | VF,PATCHY,LARGE,R=F |
| ABELL 36 | Vir | Planetary Neb |
| Jul 13 2013 18" | 11mmT6 | VF,VS,R=F. NO CENTRAL STAR NOTED. USED OIII FILTER. |
| ABELL 56 | Aql | Planetary Neb 4 |
| Jul 03 2005 8" | 19mmW | DIFF,MF,VL,PATCHY,R=G |
| ABELL 67 | Aql | Planetary Neb 2b |
| Aug 13 2010 31" | 17mmT4 | VF,VS,AV,R=P. NO CENTRAL STAR NOTED. |
| B 33 | Ori | Nebula Ir |
| Dec 12 2012 36" | 31mmT5 | OUTSTANDING OBJECT W/HYDROGEN-BETA FILTER.AND VERY GOOD TRANSPARENCY. |
| Dec 28 2008 31" | 17mmT4 | MB,VL,R=E!!!, HYDROGEN BETA FILTER. |
| Dec 19 2006 31" | 31mmT5 | PB,VL,R=E!!!, H.BETA FILTER |
| Nov 21 2006 8" | 11mmT6 | VF,L,AV,JUST A HINT OF THE HORSEHEAD |
| Feb 20 2006 31" | 31mmT5 | MB,VL,R=E!!!, HYDROGEN BETA FILTER. |
| Dec 07 2005 31" | 31mmT5 | VDARK,LIGHTBACKGROUND, AWESOME! |
| B 326 | Aql | Galaxy |
| Jul 13 2007 8" | 11mmT6 | PB,PL,FAINT GLOW-NO FILTER,R=G |
| BOL 119 | And | Globular |
| Aug 02 2005 8" | 11mmT6 | MB,ML,OVAL,MSB,R=G |
| CR 21 | Tri | Open Cluster III3p |
| Oct 29 2008 16" | 17mmT4 | B,CS,15+ STARS,R=F |
| CR 39 | Per | Open Cluster III3m |
| Oct 30 2007 1.9" | 12x50 | PB,EL,R=G, MASSIVE CLUSTER |
| Nov 09 2006 8" | 19mmW | VL,NO COMPRESSION,R=F |
| CR 62 | Aur | Galaxy IV3p |
| Dec 28 2006 1.9" | 12x50 | PF,S,PATCHY,UNRESOLVED,R=F |
| CR 89 | Gem | Galaxy IV2pn |
| Dec 28 2006 1.9" | 12x50 | LARGE,FEW STARS,R=F |
| CR 256 | Com | Open Cluster III3r |
| Sep 19 2014 12" | 35mm A | B,VL,R=G, NICE LOOSE GROUP, HOME - 8/14/14 |
| Jul 21 2007 1.9" | 12x50 | B,VL,PRETTY LOOSE,R=G |
| Nov 26 2006 1.9" | 12x50 | B,PL,LOOSE,R=F |
| CR 285 | UMa | Open Cluster IV1p |
| Jul 21 2007 1.9" | 12x50 | EB,EL,VERY LOOSE,R=G |
| CR 331 | Oph | Open Cluster II 1m |
| Jul 31 2005 8" | 11mmT6 | MF,FS,OVAL SHAPE, R=F, LOOSE GROUPING |

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| | | |
|--------------------|--|----------------------------|
| CR 350 | Oph | Open Cluster IV1p |
| Jul 21 2007 1.9" | 12x50 PB,VL,NICE CLUSTER,R=G | |
| Jul 03 2005 8" | 19mmW VB,ML,R=F, LOOSE GROUPING | |
| CR 399 | Vul | Open Cluster III3m |
| Jul 19 2017 12" | 17mmT4 VERY NICE. R=G | |
| Nov 14 2006 1.9" | 12x50 B,L,NO COMPRESSION,R=G | |
| CR 401 | Aql | Open Cluster IV2m |
| Jul 03 2005 8" | 19mmW VERY LOOSE GROUP, R=F | |
| CR 419 | Cyg | Open Cluster IV2p |
| Aug 24 2005 8" | 19mmW R=F,LOOSE GROUP, SOME NEBULASITY | |
| CR 421 | Cyg | Open Cluster III1pn |
| Aug 24 2005 8" | 19mmW R=F, LOOSE GROUP, FEWER STARS | |
| CR 428 | Cyg | Open Cluster IV1pn |
| Aug 24 2005 8" | 19mmW R=F, LOOSE GROUP, FEWER STARS | |
| CR 463 | Cas | Galaxy III2m |
| Oct 13 2006 1.9" | 12x50 B,S,R=F | |
| CR 470 | Cyg | Galaxy |
| Jun 20 2007 1.9" | 12x50 F,S,R=F, HINT-NEBULOSITY, INV. W/IC 5146 | |
| Jun 26 2004 8" | 25mmPL INVOLVED W/ IC 5146 | |
| ESO 456-38 | Sgr | Globular |
| Jul 13 2007 8" | 7.5mmW PB,PS,RESOLVE OUTER STARS,R=G | |
| Jul 09 2005 8" | 11mmT6 VF,VS,R=F | |
| HAFF 6 | CMa | Open Cluster IV2rn |
| Dec 19 2006 31" | 17mmT4 PF,PS,R=F,VMCOMPRESSED | |
| HENIZ 2-260 | FIX | Planetary Neb |
| Jul 24 2006 8" | 7.5mmW VF,VS,R,AV,R=F | |
| HENIZ 2-438 | Cyg | Planetary Neb 4 |
| Aug 18 2010 12" | 26mm PF,VS,R=F,STELLAR IN APPEARANCE,OIII FILTER | |
| HENIZ 2-441 | FIX | Planetary Neb 4 |
| Aug 12 2005 8" | 7.5mmW VF,VS,AV,R=F | |
| HP 1 | Oph | Globular |
| Jul 23 2016 12" | 8mm Et VF,VS,R=P. | |
| Jul 13 2007 8" | 7.5mmW VF,VS,R,PATCHY,R=F | |
| IC 2 | Cet | Galaxy Sb |
| Dec 12 2012 36" | 17mmT4 VF,VS,OVAL,UB,NND,R=F | |

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| | | |
|-----------------|---|---------------------------------|
| IC 3 | Psc | Galaxy E/S0 |
| Dec 12 2012 36" | 17mmT4 PG,PD,OVAL,MEXT,FNUC,R=F | |
| IC 8 | Psc | Galaxy Sc |
| Oct 09 2007 8" | 11mmT6 VF,VS,OVAL,NND,AV,R=F | |
| IC 10 | Cas | Galaxy IBm |
| Oct 05 2016 12" | 11mmT6 PF,S,OVAL,DIFF,NND,R=F | |
| Nov 11 2009 12" | 7.5mmW VF,PS,R,NND,AV,R=F | |
| Oct 25 2009 12" | 11mmT6 F,PS,OVAL,NND,AV,R=F | |
| Aug 21 2004 8" | 11mmT6 CLEAR SKIES - H.H. LITE. 1ST REAL TEST | |
| IC 43 | And | Galaxy SABc |
| Sep 12 2010 12" | 7mm TV DIFF,VF,PS,R,NND,R=F | |
| IC 59 | Cas | Nebula E+R |
| Sep 05 2007 8" | 11mmT6 PF,L,R=F | |
| IC 63 | Cas | Nebula E+R |
| Oct 21 2012 8" | 11mmT6 PF,PS,Y-SHAPED,R=F | |
| Sep 05 2007 8" | 11mmT6 PF,PS,R=P | |
| IC 65 | And | Galaxy SAB(s)bc |
| Oct 17 2004 8" | 7.5mmW MF,EL,EON,NND,AV,R=G | |
| IC 101 | Psc | Galaxy S? |
| Dec 12 2012 36" | 17mmT4 VF,VS,OVAL,UB,NND,R=F | |
| IC 102 | Psc | Galaxy S0/a |
| Dec 12 2012 36" | 17mmT4 VF,VS,OVAL,MEXT,UB,NND,R=F | |
| IC 114 | Psc | Galaxy S0 |
| Dec 12 2012 36" | 17mmT4 PF,PS,OVAL,UUD,R=F,BRIGHTER TOWARDS THE MIDDLE | |
| IC 154 | Psc | Galaxy Sb |
| Nov 10 2007 31" | 17mmT4 VF,VS,EON,NND,R=F | |
| IC 156 | Psc | Galaxy S? |
| Nov 10 2007 31" | 17mmT4 PB,PS,OVAL,BNUC,R=G | |
| IC 166 | Cas | Open Cluster 17.0 II 1 r |
| Sep 05 2007 8" | 11mmT6 B,S,LOOSE GROUPD,R=F | |
| IC 171 | Tri | Galaxy E? |
| Nov 24 2006 31" | 20mmUW B,CS,OVAL,FNUC,R=F | |
| IC 176 | Cet | Galaxy Sc: |
| Dec 12 2012 36" | 17mmT4 VF,PS,EON,UB,NND,R=P,PA=95 | |

Observations Listing by Catalog Number

| | | |
|-----------------|--|--------------------------|
| IC 179 | And | Galaxy E |
| Nov 08 2010 12" | 5.5mmN PF,PS,OVAL,UB,NND,R=F | |
| IC 194 | Cet | Galaxy Sb: sp |
| Dec 12 2012 36" | 17mmT4 VFR,VS,EON,UB,NND,R=P,PA=10 | |
| IC 200 | Tri | Galaxy |
| Nov 02 2005 31" | 19mmW PF,ML,R,NND,R=F | |
| IC 221 | Tri | Galaxy Sc |
| Dec 19 2006 31" | 17mmT4 PF,L,OVAL,NND,R=F | |
| IC 226 | Tri | Galaxy S? |
| Dec 19 2006 31" | 17mmT4 CF,PS,OVAL,NND,R=F | |
| IC 227 | Tri | Galaxy E |
| Dec 19 2006 31" | 17mmT4 PB,L,OVAL,FNUC,MHISB,R=G | |
| IC 235 | Ari | Galaxy Pec |
| Oct 30 2005 31" | 17mmT4 MF,MS,R,NND,R=F | |
| IC 238 | Ari | Galaxy S0 |
| Oct 30 2005 31" | 17mmT4 MB,ML,EL,OVAL,RNUC,R=G | |
| IC 239 | And | Galaxy SAB(rs)cd |
| Oct 29 2006 8" | 19mmW PF,PS,OVAL,NND,R=F | |
| IC 240 | And | Non-Existent |
| Oct 10 2012 18" | 8.8 ES NON-EXISTENT | |
| IC 248 | Ari | Galaxy Sa: |
| Oct 30 2005 31" | 17mmT4 MB,ML,OVAL,FNUC,R=G | |
| IC 257 | Per | Galaxy S0-: |
| Oct 10 2012 18" | 8.8 ES PF,S,OVAL,UB,NND,R=G | |
| IC 284 | Per | Galaxy SAdm |
| Oct 10 2012 18" | 8.8 ES PF,S,OVAL,MEXT,UB,NND,AV,R=F | |
| Nov 21 2006 8" | 11mmT6 VF,S,OVAL,NND,AV,R=F | |
| Nov 09 2004 8" | 7.5mmW VF,EL,OVAL,NND,AV,R=F | |
| IC 289 | Cas | Planetary Neb 4+2 |
| Aug 31 2010 12" | 7mm TV PF,PS,R=F. NO CENTRAL STAR NOTED. | |
| IC 293 | Per | Galaxy E-S0 |
| Dec 13 2012 18" | 7mm TV VF,VS,R,UB,NND,R=F | |

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| | | |
|-----------------|---|---|
| IC 301 | Per | Galaxy E |
| Dec 13 2012 18" | 8.8 ES PF,PS,R,FNUC,AV,R=F,NUCLEUS POPS IN/OUT WITH AV. | |
| Oct 10 2012 18" | 8.8 ES DIFF,PF,PS,R,UB,NND,R=F | |
| IC 309 | Per | Galaxy SA(s)0^ |
| Dec 13 2012 18" | 7mm TV PF,PS,R,FNUC,R=F | |
| IC 329 | Tau | Galaxy S? |
| Dec 13 2012 18" | 7mm TV PF,PS,OVAL,UB,NND,R=F | |
| IC 330 | Tau | Galaxy Sab |
| Dec 13 2012 18" | 7mm TV VF,VS,OVAL,PEXT,UB,NND,AV,R=F | |
| IC 331 | Tau | Galaxy S? |
| Dec 13 2012 18" | 7mm TV PF,PS,R,UB,NND,R=F | |
| IC 334 | Cam | Galaxy S? |
| Oct 12 2012 18" | 7mm TV F,S,OVAL,BNUC,R=G | |
| IC 342 | Cam | Galaxy SAB(rs)cd |
| Oct 12 2012 18" | 7mm TV DIFF,F,L,R,UB,NND,R=G | |
| IC 347 | Eri | Galaxy SAB(r)0^: |
| Nov 24 2006 8" | 11mmT6 VF,VS,OVAL,NND,AV,R=F | |
| IC 348 | Per | Open Cluster 10.0 III 2 p n |
| Nov 09 2004 8" | 11mmT6 LOOSE GROUP - NOT MANY STARS | |
| IC 351 | Per | Planetary Neb 2a |
| Dec 18 2006 31" | 20mmUW PB,VS,R,R=G | |
| IC 356 | Cam | Galaxy SA(s)ab pec |
| Oct 12 2012 18" | 7mm TV F,L,OVAL,BNUC,R=G, SPIRAL ARM NORTH | |
| IC 361 | Cam | Open Cluster 14.0 II 2 r F,L (NEB CL?) |
| Oct 12 2012 18" | 7mm TV R=F | |
| IC 374 | Tau | Galaxy |
| Dec 18 2006 31" | 20mmUW PF,S,EON,NND,R=F | |
| IC 381 | Cam | Galaxy SAB(rs)bc |
| Oct 12 2012 18" | 7mm TV PF,PS,OVAL,PEXT,UB,NND,R=F,PA=90 | |
| IC 391 | Cam | Galaxy SA(s)c |
| Oct 12 2012 18" | 7mm TV PF,PS,R,FNUC,R=F | |
| IC 396 | Cam | Galaxy S? |
| Oct 12 2012 18" | 7mm TV PF,PS,OVAL,FNUC,R=F | |

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| | | | | |
|-----------|------------------|------------|--------------------------------------|-------------------------|
| IC | 405 | Aur | Nebula E | |
| | Dec 07 2005 8" | 11mmT6 | DARK DUSTLANE LOW SURFACE BRIGHTNESS | |
| IC | 410 | Aur | Nebula E | DIF, MANY ST INV |
| | Nov 26 2006 1.9" | 19mmW | NEBULA ASSOCIATED WITH NGC 1893 | |
| | Nov 21 2006 8" | 11mmT6 | PB,L,IRREGULARSHAPE,R=G | |
| | Jan 26 2006 8" | 19mmW | NEBULA ASSOCIATED WITH NGC 1893 | |
| IC | 418 | Lep | Planetary Neb 4 | |
| | Dec 28 2008 31" | 17mmT4 | VB,VS,R,R=G, CENTRAL STAR | |
| IC | 420 | Ori | Nebula R | |
| | Feb 20 2006 31" | 31mmT5 | F,VS,R=F, OIII | |
| IC | 424 | Ori | Nebula R | |
| | Feb 20 2006 31" | 31mmT5 | VF,VS,R=F, OIII | |
| IC | 426 | Ori | Nebula R | |
| | Feb 20 2006 31" | 31mmT5 | MB.ML,R=F, OIII | |
| IC | 431 | Ori | Nebula R | |
| | Jan 24 2009 31" | 17mmT4 | PF,PS, HINT OF NEBULOSITY,R=F | |
| | Nov 21 2006 8" | 11mmT6 | PF,S,R=F | |
| IC | 432 | Ori | Nebula R | |
| | Jan 24 2009 31" | 17mmT4 | PF,PS, HINT OF NEBULOSITY,R=F | |
| | Nov 21 2006 8" | 11mmT6 | F,L,R=F | |
| IC | 434 | Ori | Nebula E | |
| | Nov 21 2006 8" | 11mmT6 | PF,VL,R=F | |
| IC | 435 | Ori | Nebula R | |
| | Jan 24 2009 31" | 17mmT4 | PF,PS, HINT OF NEBULOSITY,R=F | |
| IC | 440 | Cam | Galaxy SA(r)ab | |
| | Oct 12 2012 18" | 7mm TV | PF,PS,OVAL,UB,NND,R=F,PA=120 | |
| IC | 442 | Cam | Galaxy S? | |
| | Oct 12 2012 18" | 7mm TV | PF,PS,R,FNUC,R=F | |
| IC | 443 | Gem | Nebula E | |
| | Nov 25 2006 8" | 11mmT6 | F,EL,R=F | |
| IC | 445 | Cam | Galaxy S0? | |
| | Oct 12 2012 18" | 7mm TV | PF,PS,OVAL,UB,NND,R=F | |
| IC | 446 | Mon | Nebula bipolar | |
| | Dec 15 2004 8" | 11mmT6 | F,PATCH,R-F | |

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| | | | |
|-------------|------------|------------|---|
| IC | 449 | Cam | Galaxy E: |
| Oct 12 2012 | 18" | 7mm TV | PF,PS,OVAL,MEXT,NND,R=F,BRIGHTER TO NE. |
| IC | 450 | Cam | Galaxy SAB0+: |
| Oct 12 2012 | 18" | 7mm TV | VF,VS,OVAL,UB,NND,AV2,R=P |
| IC | 451 | Cam | Galaxy SAB(r)b: |
| Nov 10 2012 | 18" | 7mm TV | VF,VS,OVAL,UB,NND,AV2,R=F |
| IC | 455 | Cep | Galaxy S0 |
| Nov 16 2012 | 18" | 5mm TV | VF,VS,OVAL,NND,R=F |
| IC | 456 | CMa | Galaxy SB(rs)0^ |
| Dec 20 2006 | 31" | 17mmT4 | PB,FL,OVAL,FNC,R=G |
| IC | 458 | Lyn | Galaxy S0-: |
| Nov 10 2012 | 18" | 7mm TV | PF,PS,OVAL,UB,NND,R=F |
| Feb 01 2005 | 31" | 17mmT4 | MB,R,FNUC,MSB,R=G |
| IC | 459 | Lyn | Galaxy C |
| Feb 01 2005 | 31" | 17mmT4 | VF,OVAL,NND,AV,R=F |
| IC | 460 | Lyn | Galaxy |
| Feb 01 2005 | 31" | 17mmT4 | VF,MS,EL,NND,LSB,R=F |
| IC | 461 | Lyn | Galaxy S |
| Feb 01 2005 | 31" | 17mmT4 | MF,OVAL,NND,R=F |
| IC | 464 | Lyn | Galaxy E? |
| Feb 01 2005 | 31" | 17mmT4 | MB,S,EON,OVAL,NND,R=G |
| IC | 465 | Lyn | Galaxy S? |
| Feb 01 2005 | 31" | 17mmT4 | MB,MS,EL,FNUC,MSB,R=G |
| IC | 467 | Cam | Galaxy SAB(s)c: |
| Feb 01 2005 | 31" | 17mmT4 | MB,ML,OVAL,PATCH,NND,R=G |
| IC | 468 | CMa | Nebula E |
| Dec 19 2006 | 31" | 31mmT5 | NORTHERN PART OF NGC2359 - NO FILTER |
| Dec 19 2006 | 31" | 31mmT5 | NORTHERN PART OF NGC2359 - OIII FILTER!!! |
| Nov 22 2006 | 8" | 11mmT6 | F,L,IRREGULARSHAPE,R=F |
| IC | 469 | Cep | Galaxy SAB(rs)ab: |
| Nov 16 2012 | 18" | 5mm TV | VF,VS,OVAL,VEXT,NND,AV2,R=F |
| IC | 499 | Cam | Galaxy Sa |
| Nov 16 2012 | 18" | 7mm TV | PF,PS,OVAL,MEXT,UB,NND,R=G |

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| | | | |
|-------------|------------|------------|--------------------------------|
| IC | 511 | Cam | Galaxy S0/a: |
| May 25 2014 | 18" | 8mm Ds | PF,PS,OVAL,PEXT,UB,NND,AV1,R=F |
| IC | 512 | Cam | Galaxy SAB(s)cd |
| May 25 2014 | 18" | 8mm Ds | PF,PS,OVAL,UB,NND,R=F |
| IC | 520 | Cam | Galaxy SAB(rs)ab? |
| Mar 08 2013 | 18" | 7mm TV | PF,PS,OVAL,UB,NND,R=F |
| IC | 529 | Cam | Galaxy SA(s)c: |
| May 25 2014 | 18" | 8mm Ds | PF,PS,OVL,PEXT,UB,NND,R=F |
| IC | 601 | Leo | Galaxy S? |
| Apr 19 2006 | 31" | 19mmW | PF,PS,EON,NND,R=F |
| IC | 602 | Leo | Galaxy S: |
| Apr 19 2006 | 31" | 19mmW | VB,PL,OVAL,BNUC,HISB,R=G |
| IC | 606 | Leo | Non-Existent |
| Apr 19 2006 | 31" | 19mmW | PB,PL,OVAL,BNUC,MSB,R=G |
| IC | 607 | Leo | Galaxy SB(rs)bc |
| Apr 19 2006 | 31" | 19mmW | DIFF,PF,PL,OVAL,NND,R=F |
| IC | 610 | Leo | Galaxy Sbc |
| Apr 19 2006 | 31" | 19mmW | PB,VL,EON,UB,HISB,R=G |
| IC | 612 | Leo | Galaxy S |
| Apr 19 2006 | 31" | 19mmW | B,PS,OVAL,UB,R=F |
| IC | 613 | Leo | Galaxy E |
| Apr 19 2006 | 31" | 19mmW | PB,PL,R,FNUC,R=G |
| IC | 615 | Leo | Galaxy S |
| Apr 19 2006 | 31" | 19mmW | PB,VL,EON,FNUC,MSB,R=G |
| IC | 616 | Leo | Galaxy Scd: |
| Apr 19 2006 | 31" | 19mmW | PF,PL,R,NND,R=F |
| IC | 620 | Leo | Galaxy |
| Apr 19 2006 | 31" | 19mmW | F,PS,OVAL,UB,NND,R=F |
| IC | 635 | Leo | Galaxy S? |
| Apr 19 2006 | 31" | 19mmW | F,PL,EON,UB,NND,R=F |
| IC | 637 | Leo | Galaxy |
| Apr 19 2006 | 31" | 19mmW | F,PS,R,NND,R=F |

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| | | |
|-----------------|---|----------------------------|
| IC 638 | Leo | Galaxy SAB(s)bc |
| Apr 19 2006 31" | 19mmW PF,PS,OVAL,NND,R=F | |
| IC 639 | Leo | Galaxy Sb |
| Apr 19 2006 31" | 19mmW PF,PS,CE,UB,NND,R=F | |
| IC 642 | Leo | Galaxy E? |
| Apr 19 2006 31" | 19mmW PB,PL,R,FNUC,MSB,R=G | |
| IC 643 | Leo | Galaxy |
| Apr 19 2006 31" | 19mmW B,PL,CE,FNUC,MSB,R=G | |
| IC 648 | Leo | Galaxy Sc |
| Apr 19 2006 31" | 19mmW F,PL,OVAL,NND,R=F | |
| IC 663 | Leo | Galaxy |
| Apr 19 2007 31" | 17mmT4 PF,PS,OVAL,UB,NND,R=F | |
| IC 664 | Leo | Galaxy S0? |
| Apr 19 2007 31" | 17mmT4 FB,L,OVAL,UB,NND,R=F | |
| IC 666 | Leo | Galaxy |
| Apr 19 2007 31" | 17mmT4 B,PS,OVAL,UB,NND,R=F | |
| IC 676 | Leo | Galaxy (R)SB(r)0+ |
| Mar 08 2013 18" | 7mm TV PF,PS,OVAL,UB,NND,R=F | |
| IC 677 | Leo | Galaxy Sbc |
| Mar 08 2013 18" | 7mm TV PF,PS,OVAL,PEXT,UB,NND,R=F | |
| IC 683 | Leo | Galaxy D |
| Apr 15 2007 31" | 17mmT4 PF,PS,R,UB,NND,R=F | |
| IC 694 | UMA | Galaxy SBm? pec |
| Jun 22 2012 18" | 8.8 ES PF,PS,R,UB,NND,R=F,PAIRED W/NGC-3690 | |
| IC 700 | Leo | Galaxy S0? |
| Apr 26 2008 31" | 17mmT4 VF,VS,OVAL,UB,NND,R=F | |
| IC 732 | Leo | Galaxy S0? |
| May 07 2007 31" | 17mmT4 PF,PS,OVAL,UB,NND,R=F | |
| IC 761 | Crv | Galaxy S0 |
| Apr 07 2008 31" | 17mmT4 B,VS,OVAL,UB,NND,R=F | |
| IC 766 | Crv | Galaxy SAB(r)0+? sp |
| Apr 07 2008 31" | 17mmT4 B,PS,EON,UB,FNUC,R=G | |

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| | | | |
|-----------------|-------------|--|-----------------------|
| IC | 834 | Com | Galaxy S |
| May 18 2009 31" | 17mmT4 | PF,CS,OVAL,FNUC,MHISB,R=F | |
| IC | 835 | Com | Galaxy S? |
| May 18 2009 31" | 17mmT4 | CF,CL,R,UB,NND,R=F | |
| IC | 836 | Dra | Galaxy S |
| Feb 23 2006 31" | 17mmT4 | PB,PL,EON,FNUC,HISB,R=G | |
| IC | 858 | Com | Galaxy S0? |
| May 12 2005 31" | 19mmW | MB,ML,OVAL,FNUC,MHISB,R=G | |
| IC | 859 | Com | Galaxy |
| May 12 2005 31" | 19mmW | MB,FS,R,FNUC,R=F | |
| IC | 982 | Boo | Galaxy SA0+ |
| May 22 2006 31" | 19mmW | F,CS,R,NND,R=F | |
| IC | 983 | Boo | Galaxy SB(r)bc |
| Sep 19 2014 12" | 17mmAT | 5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14 | |
| May 22 2006 31" | 19mmW | VF,PL,OVAL,PATCHY,NND,R=F | |
| IC | 1042 | Vir | Galaxy S0? |
| May 23 2012 18" | 8.8 ES | PF,PS,R,UB,NND,R=F | |
| IC | 1152 | Her | Galaxy E |
| May 21 2009 16" | 11mmT6 | CF,CS,R,UB,NND,R=F | |
| IC | 1153 | Her | Galaxy S0 |
| May 21 2009 16" | 11mmT6 | CF,CS,R,UB,NND,R=F | |
| IC | 1156 | Her | Galaxy E |
| May 21 2009 16" | 11mmT6 | VF,CS,OVAL,NND,AV,R=F | |
| IC | 1231 | Dra | Galaxy Scd: |
| Sep 05 2010 12" | 5.5mmN | CF,CS,OVAL,MEXT,UB,NND,R=F,PA=10 | |
| IC | 1257 | Oph | Globular |
| Jul 03 2005 8" | 11mmT6 | VF,VS,AV,R=F | |
| IC | 1276 | Ser | Globular |
| Jul 09 2005 8" | 11mmT6 | VF,ML,R=F | |
| IC | 1283 | Sgr | Nebula E+R |
| Sep 05 2007 8" | 11mmT6 | F,PL,R=F | |
| IC | 1288 | Lyr | Galaxy SBa |
| Aug 16 2009 31" | 17mmT4 | CF,CS,OVAL,UB,NND,R=F | |

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| | | | |
|-----------------|---|----------------------------------|-------------------------|
| IC 1289 | Lyr | Galaxy S | |
| Aug 16 2009 31" | 17mmT4 CF,S,R,UB,NND,R=F | | |
| IC 1296 | Lyr | Galaxy SBbc | |
| Aug 16 2009 31" | 17mmT4 VF,S,EL,OVAL,NND,AV,R=F | | |
| IC 1297 | CrA | Planetary Neb | |
| Aug 29 2010 12" | 7mm TV PF,VS,R=F. NO CENTRAL STAR NOTED | | |
| IC 1298 | Aql | Open Cluster | VS CL, 6778 P 3' |
| Sep 01 2008 31" | 17mmT4 OPEN CLUSTER?? NOTHING ELSE THERE. | | |
| IC 1301 | Cyg | Galaxy Scd: | |
| Aug 13 2010 31" | 17mmT4 CF,PS,OVAL,UB,NND,R=F | | |
| Jul 27 2009 16" | 11mmT6 VF,VS,OVAL,NND,AV,R=F | | |
| IC 1302 | Cyg | Galaxy SAB(s)c? | |
| Aug 13 2010 31" | 17mmT4 PF,CS,OVAL,MEXT,UB,NND,R=F | | |
| Jul 27 2009 16" | 11mmT6 VF,VS,OVAL,NND,AV,R=F | | |
| IC 1303 | Cyg | Galaxy SAc: | |
| Aug 13 2010 31" | 17mmT4 PF,CS,OVAL,PEXT,UB,NND,R=F | | |
| Jul 27 2009 16" | 11mmT6 VF,VS,OVAL,NND,AV,R=F | | |
| IC 1311 | Cyg | Open Cluster 17.0 I 1 r n | |
| Aug 02 2005 8" | 19mmW NICE CLUSTER, NICER NEBULA | | |
| IC 1313 | Cap | Galaxy (R')SB(r)ab | |
| Sep 28 2008 31" | 17mmT4 F,S,OVAL,UB,NND,R=F | | |
| IC 1317 | Aql | Galaxy E+? | |
| Aug 31 2008 31" | 17mmT4 CF,CS,R,UB,NND,R=F | | |
| IC 1318 | Cyg | Nebula E | |
| Aug 18 2010 12" | 26mm F,PL,R=G,IRREGULAR SHAPE,LARGE,OIII FILTER | | |
| IC 1319 | Cap | Galaxy Sb | |
| Sep 28 2008 31" | 17mmT4 VF,S,R,UB,NND,R=F | | |
| IC 1320 | Del | Galaxy SB(s)b? | |
| Sep 25 2006 31" | 19mmW PF,S,OVAL,NND,R=F | | |
| IC 1321 | Cap | Galaxy (R')SB(r)bc | |
| Sep 28 2008 31" | 17mmT4 CF,VS,R,NND,R=F | | |
| IC 1324 | Cap | Galaxy (R')SA(rs)0/a: | |
| Sep 28 2008 31" | 17mmT4 F,S,R,UB,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|-----------|-----------------|----------------------------------|-----------------------------|---------------------|
| IC | 1327 | Aqr | Galaxy S0+? | |
| | Aug 31 2008 31" | 17mmT4 VF,VS,R,NND,AV,R=F | | |
| IC | 1328 | Cap | Galaxy S | |
| | Sep 28 2008 31" | 17mmT4 EF,ES,OVAL,NND,AV,R=F | | |
| IC | 1330 | Aqr | Galaxy Sc? sp | |
| | Sep 27 2005 31" | 17mmT4 VB,M<EL,EON,FNUC,MSB,R=G | | |
| IC | 1331 | Aqr | Galaxy (R')SB(r)0/a: | |
| | Sep 27 2005 31" | 17mmT4 MB,ML,EL,EON,FNUC,MSB,R=G | | |
| IC | 1334 | Cap | Galaxy SAa: | F, S |
| | Sep 28 2008 31" | 17mmT4 F,S,EL,OVAL,NND,R=F | | |
| IC | 1336 | Cap | Galaxy Sa? | |
| | Sep 28 2008 31" | 17mmT4 EF,ES,R,NND,AV,R=P | | |
| IC | 1341 | Aqr | Galaxy S0 | |
| | Sep 27 2005 31" | 17mmT4 VF,ML,OVAL,NND,R=F | | |
| IC | 1342 | Aqr | Galaxy S? | |
| | Sep 27 2005 31" | 17mmT4 VB,VL,OVAL,FNUC,MSB,R=G | | |
| IC | 1344 | Aqr | Galaxy | |
| | Sep 27 2005 31" | 17mmT4 MB,ML,EL,EON,FNUC,MSB,R=G | | |
| IC | 1347 | Aqr | Galaxy S0^ pec: | |
| | Sep 27 2005 31" | 17mmT4 MB,ML,R,FNUC,R=G | | |
| IC | 1348 | Aqr | Galaxy | F, VS, R, BM |
| | Sep 27 2005 31" | 17mmT4 VF,MS,R,NND,R=F | | |
| IC | 1350 | Aqr | Galaxy S | |
| | Sep 27 2005 31" | 17mmT4 MB,ML,R,FNUC,MSB,R=F | | |
| IC | 1356 | Cap | Galaxy S | |
| | Sep 28 2008 31" | 17mmT4 F,VS,R,UB,NND,R=F | | |
| IC | 1357 | Aqr | Galaxy (R')SB(s)a: | |
| | Sep 27 2005 31" | 17mmT4 MF,ML,EL,NND,R=F | | |
| IC | 1359 | Del | Galaxy S? | |
| | Sep 25 2006 31" | 19mmW FB,FS,EON,NND,R=G | | |
| IC | 1368 | Aqr | Galaxy Sa? sp | |
| | Oct 05 2005 31" | 17mmT4 VF,VS,EL,EON,NND,R=F | | |

Observations Listing by Catalog Number

| | | | |
|-----------|-----------------|------------|---------------------------------|
| IC | 1369 | Cyg | Open Cluster 12.1 II 2 m |
| | Jun 26 2004 8" | 25mmPL | CLOUDS EARLY - GIBBOUS MOON |
| IC | 1370 | Aqr | Galaxy C |
| | Oct 05 2005 31" | 17mmT4 | VF,VS,R,NND,R=F |
| | Oct 05 2005 31" | 17mmT4 | VF,VS,EL,EON,NND,R=F |
| IC | 1373 | Aqr | Galaxy |
| | Oct 05 2005 31" | 17mmT4 | VF,VS,OVAL,NND,R=F |
| IC | 1374 | Aqr | Galaxy S |
| | Oct 05 2005 31" | 17mmT4 | VF,VVS,OVAL,NND,R=F |
| IC | 1380 | Peg | Galaxy |
| | Sep 25 2006 31" | 19mmW | PF,VS,R,NND,R=F |
| IC | 1381 | Aqr | Galaxy SB |
| | Oct 05 2005 31" | 17mmT4 | EF,VS,R,NND,AV,R=F |
| IC | 1383 | Aqr | Galaxy |
| | Oct 05 2005 31" | 17mmT4 | VF,ES,R,NND,R=F |
| IC | 1384 | Aqr | Galaxy Irr |
| | Oct 05 2005 31" | 17mmT4 | VF,VS,R,NND,R=F |
| IC | 1385 | Aqr | Galaxy SBcd |
| | Oct 05 2005 31" | 17mmT4 | VVF,VS,R,NND,AV,R=F |
| IC | 1386 | Cap | Galaxy SA0-: |
| | Sep 28 2008 31" | 17mmT4 | CF,CS,OVAL,UB,NND,R=F |
| IC | 1387 | Aqr | Galaxy |
| | Oct 05 2005 31" | 17mmT4 | VF,ML,OVAL,NND,R=F |
| | Oct 05 2005 31" | 17mmT4 | F,PS,OVAL,NND,R=F |
| IC | 1388 | Aqr | Galaxy |
| | Oct 05 2005 31" | 17mmT4 | PF,VS,R,FNUC,R=F |
| IC | 1390 | Aqr | Galaxy B R |
| | Oct 05 2005 31" | 17mmT4 | PF,PS,R,NND,AV,R=F |
| IC | 1391 | Aqr | Galaxy E |
| | Oct 05 2005 31" | 17mmT4 | PF,PS,OVAL,NND,R=F |
| IC | 1392 | Cyg | Galaxy S0-: |
| | Jul 23 2006 8" | 7.5mmW | VF,ES,OVAL,NND,AV,R=F |
| IC | 1393 | Cap | Galaxy S0 |
| | Sep 28 2008 31" | 17mmT4 | VF,VS,OVAL,NND,R=F |

Observations Listing by Catalog Number

| | | | | |
|-----------|-----------------|------------|-------------------------------------|---------------------------|
| IC | 1394 | Peg | | Galaxy C |
| | Sep 25 2006 31" | 19mmW | F,S,R,NND,R=F | |
| IC | 1395 | Peg | | Galaxy C |
| | Sep 25 2006 31" | 19mmW | PF,PS,OVAL,NND,R=F | |
| IC | 1396 | Cep | | Open Cluster II3mn |
| | Sep 07 2005 8" | 19mmW | **STARS,BRIGHT, NICE DUST LANES,R=G | |
| | May 22 2004 8" | 25mmPL | DECENT NIGHT - MEGASTAR CONTROL | |
| IC | 1398 | Peg | | Galaxy Sc |
| | Nov 03 2013 36" | 17mmT4 | PF,PS,R,UB,NND,R=F | |
| | Sep 25 2006 31" | 19mmW | PF,PS,EL,OVAL,NND,R=F | |
| IC | 1399 | Peg | | Galaxy C |
| | Sep 25 2006 31" | 19mmW | PF,PS,R,NND,R=F | |
| IC | 1401 | Aqr | | Galaxy SAB(r)bc: |
| | Oct 05 2005 31" | 17mmT4 | MF,ML,EL,NND,MHISB,R=F | |
| IC | 1405 | Aqr | | Galaxy SBab |
| | Oct 05 2005 31" | 17mmT4 | F,ML,OVAL,NND,R=F | |
| IC | 1406 | Aqr | | Galaxy |
| | Oct 05 2005 31" | 17mmT4 | PF,VS,OVAL,NND,R=F | |
| IC | 1408 | Cap | | Galaxy S0 |
| | Sep 28 2008 31" | 17mmT4 | PF,VS,EL,OVAL,UB,NND,R=F | |
| IC | 1411 | Aqr | | Galaxy E |
| | Oct 05 2005 31" | 17mmT4 | PB,ML,OVAL,BNUC,HISB,R=G | |
| IC | 1414 | Peg | | Galaxy CB |
| | Sep 25 2006 31" | 19mmW | F,L,R,NND,R=F | |
| IC | 1417 | Aqr | | Galaxy Sb? sp |
| | Oct 05 2005 31" | 17mmT4 | PB,PL,EL,FNUC,R=G | |
| IC | 1418 | Peg | | Galaxy S? |
| | Sep 25 2006 31" | 19mmW | VF,VS,R,NND,AV,R=F | |
| IC | 1420 | Peg | | Galaxy SB? |
| | Sep 25 2006 31" | 19mmW | B,PS,OVAL,NND,R=F | |
| IC | 1421 | Aqr | | Galaxy |
| | Oct 05 2005 31" | 17mmT4 | PF,PS,R,NND,R=F | |
| IC | 1422 | Peg | | Galaxy |
| | Sep 25 2006 31" | 19mmW | VF,CS,R,NND,AV,R=F | |

Observations Listing by Catalog Number

| | | | | | |
|-----------|-----------------|------------|-----------------------------|----------------------------------|-------------------|
| IC | 1423 | Peg | | Galaxy SBb | |
| | Sep 25 2006 31" | 19mmW | CF,PS,OVAL,NND,R=F | | |
| IC | 1425 | Peg | | Galaxy | |
| | Sep 25 2006 31" | 19mmW | VF,PS,R,NND,R=F | | |
| IC | 1427 | Peg | | Galaxy E | |
| | Sep 25 2006 31" | 19mmW | PF,PS,OVAL,NND,AV,R=F | | |
| IC | 1428 | Peg | | Galaxy | |
| | Sep 25 2006 31" | 19mmW | VF,VS,OVAL,NND,AV,R=F | | |
| IC | 1433 | Aqr | | Galaxy S | |
| | Nov 02 2010 31" | 17mmT4 | CF,PS,OVAL,UB,FNUC,R=F | | |
| IC | 1434 | Lac | | Open Cluster 12.0 III 2 m | |
| | Nov 16 2012 18" | 11mmT6 | LOOSE GROUP,15-20 STARS,R=F | | |
| IC | 1438 | Aqr | | Galaxy (R')SAB(rs)a: | |
| | Oct 31 2010 12" | 5.5mmN | DIFF,CF,PS,R,UB,NND,R=F | | |
| IC | 1442 | Lac | | Open Cluster 12.0 III 1 p | |
| | Nov 16 2012 18" | 11mmT6 | TIGHT GROUP, STARS=20+,R=F | | |
| IC | 1444 | Peg | | Galaxy | |
| | Sep 25 2006 31" | 19mmW | VF,CS,R,NND,AV,R=F | | |
| IC | 1461 | Peg | | Galaxy S? | |
| | Nov 03 2013 36" | 17mmT4 | PF,PS,OVAL,FNUC,R=F | | |
| IC | 1478 | Peg | | Galaxy Sb | VF, S, DIF |
| | Nov 03 2013 36" | 17mmT4 | CF,CS,OVAL,UB,NND,R=F | | |
| IC | 1487 | Peg | | Galaxy SB? | |
| | Oct 25 2006 31" | 17mmT4 | PF,PS,OVAL,NND,R=F | | |
| IC | 1495 | Aqr | | Galaxy Sb | |
| | Oct 09 2007 8" | 11mmT6 | PF,PS,OVAL,NND,AV,R=F | | |
| IC | 1529 | Cet | | Galaxy (R')SA(r)0^ p | |
| | Nov 10 2012 18" | 7mm TV | VF,PS,OVAL,UB,NND,R=F | | |
| IC | 1534 | And | | Galaxy S0 | |
| | Oct 12 2012 18" | 7mm TV | VF,VS,EON,UB,NND,R=F,PA=160 | | |
| IC | 1535 | And | | Galaxy S | |
| | Oct 12 2012 18" | 7mm TV | VF,VS,EON,UB,NND,R=F,PA=45 | | |

Observations Listing by Catalog Number

| | | | |
|-----------|-----------------|------------|---|
| IC | 1536 | And | Galaxy E/S0 |
| | Oct 12 2012 18" | 7mm TV | PF,VS,OVAL,UB,NND,R=F,15.4 MAG. |
| IC | 1590 | Cas | Open Cluster 9.0 n |
| | Oct 31 2010 12" | 11mmT6 | R=F, SMALL GROUP SOME NEBULOSITY |
| | Sep 12 2010 12" | 11mmT6 | PF,PS,R=P,STARS 6+ SOME ASSOCIATED NEBULOSITY |
| IC | 1718 | Tri | Galaxy Compact |
| | Nov 24 2006 31" | 20mmUW | PF,S,R,NND,R=F |
| IC | 1727 | Tri | Galaxy SB(s)m |
| | Oct 29 2008 16" | 17mmT4 | PF,CS,EON,UB,NND,R=F |
| | Nov 10 2007 31" | 17mmT4 | DIFF,PF,CL,OVAL,NND,R=F |
| | Nov 24 2006 31" | 20mmUW | PF,CL,EON,NND,R=F |
| | Nov 09 2004 8" | 11mmT6 | VF,EL,NND,AV,R=F |
| IC | 1747 | Cas | Planetary Neb 3b |
| | Oct 31 2010 12" | 7mm TV | VF,VS,R=P. STELLAR |
| | Sep 12 2010 12" | 5.5mmN | PF,VVS,R=P,STELLAR |
| IC | 1784 | Tri | Galaxy SA(rs)bc pec: |
| | Dec 19 2006 31" | 17mmT4 | DIFF,PF,PL,OVAL,NND,R=F |
| IC | 1785 | Tri | Galaxy E |
| | Dec 19 2006 31" | 17mmT4 | CF,PS,OVAL,NND,AV,R=F |
| IC | 1789 | Tri | Galaxy Sa: |
| | Dec 19 2006 31" | 17mmT4 | PB,PL,ME,EON,FNUC,R=G |
| IC | 1792 | Tri | Galaxy Compact |
| | Dec 19 2006 31" | 17mmT4 | CB,PS,R,BNUC,R=G |
| IC | 1793 | Tri | Galaxy Sab |
| | Dec 19 2006 31" | 17mmT4 | CF,L,PME,OVAL,FNUC,R=F |
| IC | 1795 | Cas | Non-Existent |
| | Sep 05 2007 8" | 11mmT6 | PF,PL,DIM,R=F |
| IC | 1799 | And | Galaxy S? |
| | Oct 10 2012 18" | 8.8 ES | F,PS,OVAL,PEXT,BNUC,R=G |
| IC | 1805 | Cas | Open Cluster E |
| | Aug 12 2005 8" | 19mmW | MB,ML,R=G |
| IC | 1809 | Ari | Galaxy (R')SB(s)ab |
| | Oct 30 2005 31" | 17mmT4 | MF,MS,OVAL,NND,R=F |

Observations Listing by Catalog Number

| | | | | |
|-----------|-----------------|------------|--------------------------|---------------------------------|
| IC | 1815 | Tri | | Galaxy SB0 |
| | Dec 12 2012 36" | 17mmT4 | PF,PS,OVAL,FNUC,R=G | |
| | Dec 19 2006 31" | 17mmT4 | PB,PL,R,BNUC,HISB,R=E | |
| IC | 1817 | Ari | | Galaxy Sm |
| | Oct 30 2005 31" | 17mmT4 | VF,VS,R,NND,AV,R=F | |
| IC | 1821 | Ari | | Galaxy |
| | Oct 30 2005 31" | 17mmT4 | VF,VS,OVAL,NND,AV,R=F | |
| IC | 1832 | Ari | | Galaxy S0 |
| | Oct 30 2005 31" | 17mmT4 | VF,VS,R,NND,R=F | |
| IC | 1835 | Ari | | Galaxy |
| | Oct 30 2005 31" | 17mmT4 | VF,VS,R,NND,R=F | |
| IC | 1838 | Ari | | Galaxy S |
| | Oct 30 2005 31" | 17mmT4 | VF,ML,OVAL,NND,R=F | |
| IC | 1839 | Ari | | Galaxy Sb-c |
| | Oct 30 2005 31" | 17mmT4 | MF,MS,EL,NND,R=F | |
| IC | 1841 | Ari | | Galaxy SBb |
| | Oct 30 2005 31" | 17mmT4 | MF,MS,OVAL,NND,R=F | |
| IC | 1842 | Ari | | Galaxy |
| | Oct 30 2005 31" | 17mmT4 | MF,MS,EL,NND,R=F | |
| IC | 1847 | Ari | | Galaxy |
| | Oct 30 2005 31" | 17mmT4 | VF,VS,R,NND,AV,R=F | |
| IC | 1848 | Cas | | Open Cluster 7.1 I 3 p n |
| | Sep 05 2007 8" | 11mmT6 | B,L,FEW STARS,R=F | |
| IC | 1871 | Cas | | Nebula E |
| | Sep 05 2007 8" | 11mmT6 | PF,PS,R=F | |
| IC | 1898 | Eri | | Galaxy SB(s)c: sp |
| | Nov 24 2006 8" | 11mmT6 | VF,S,EON,NND,AV,R=F | |
| IC | 1907 | Per | | Galaxy E? |
| | Nov 10 2012 18" | 7mm TV | DIFF,VF,PS,R,UB,NND,R=F | |
| | Oct 07 2010 12" | 5.5mmN | CF,CS,R,UB,NND,R=F,AV-1 | |
| IC | 1918 | Tau | | Galaxy |
| | Dec 13 2012 18" | 7mm TV | VF,VS,OVAL,UB,NND,AV,R=F | |
| IC | 1924 | Hor | | Galaxy S |
| | Dec 07 2005 31" | 19mmW | MB,ML,OVAL,NND,MSB,R=G | |

Observations Listing by Catalog Number

| | | | |
|-----------|-----------------|---|---|
| IC | 1931 | Tau | Galaxy D |
| | Dec 13 2012 18" | 7mm TV VF,VS,R,UB,NND,AV3,R=P | |
| IC | 1953 | Eri | Galaxy SB(rs)d |
| | Nov 24 2006 8" | 11mmT6 VF,S,OVAL,NND,AV,R=F | |
| IC | 1995 | Tau | Non-Existent |
| | Nov 23 2006 8" | 19mmW F,PS,DIM PATCH,R=F | |
| IC | 2003 | Per | Planetary Neb 2 |
| | Dec 18 2006 31" | 20mmUW B,VS,R,R=G | |
| IC | 2118 | Eri | Non-Existent |
| | Mar 06 2005 8" | 25mmPL MF,VL,LSB,R=G OIII FILTER | |
| IC | 2120 | Aur | Planetary Neb Planetary? 5 18.2 +37 36 |
| | Nov 21 2006 8" | 11mmT6 VF,VS,AV,R=F | |
| IC | 2149 | Aur | Planetary Neb 3b+2 |
| | Nov 11 2009 12" | 7.5mmW PB,PS,R=G, NO CENTRAL STAR NOTED | |
| IC | 2157 | Gem | Open Cluster 12.0 II 1 p |
| | Nov 25 2006 8" | 11mmT6 F,S,LOSE GROUPING,R=F | |
| IC | 2163 | CMa | Galaxy SB(rs)c pec |
| | Dec 19 2006 31" | 17mmT4 R,PL,OVAL,NND,R=F | |
| | Feb 10 2005 8" | 11mmT6 VF,VS,EL,NND,AV,R=F | |
| IC | 2165 | CMa | Planetary Neb 3b |
| | Dec 19 2006 31" | 17mmT4 VB,PS,R=G, NO CENTRAL STAR | |
| IC | 2166 | Lyn | Galaxy SAB(s)bc |
| | Nov 10 2012 18" | 7mm TV DIFF,PF,PS,OVAL,UB,NND,R=F | |
| IC | 2171 | CMa | Galaxy IB(s)m: |
| | Dec 19 2006 31" | 17mmT4 PF,CS,OVAL,NND,R=F | |
| IC | 2172 | Mon | Non-Existent |
| | Nov 25 2006 8" | 11mmT6 F,S,R-F | |
| IC | 2174 | Cam | Galaxy SBa |
| | Feb 01 2005 31" | 17mmT4 MF,OVAL,PATCHY,NND,R=G | |
| IC | 2179 | Cam | Galaxy E1-2 |
| | Feb 01 2005 31" | 17mmT4 MB,ML,EL,NUC,HISB,R=G | |
| IC | 2184 | Cam | Galaxy I? |
| | Feb 01 2005 31" | 17mmT4 DIFF,MB,MF,PATCH,NND,R=G | |

Observations Listing by Catalog Number

| | | | | | |
|-----------|-----------------|------------|--|------------------------|----------------------------|
| IC | 2209 | Cam | | Galaxy SB(rs)b: | |
| | Oct 12 2012 18" | 7mm TV | VF,VS,R,UB,NND,AV,R=F | | |
| IC | 2389 | Cam | | Galaxy SB(s)b? | |
| | Mar 08 2013 18" | 7mm TV | PF,VS,EON,,UB,NND,R=F | | |
| IC | 2438 | Cam | | Open Cluster | CL, 5 OR 6 ST 13... |
| | Apr 14 2016 12" | 8mm Ds | F,S, JUST A COUPLE OF STARS | | |
| IC | 2551 | Leo | | Galaxy S? | |
| | Apr 19 2006 31" | 19mmW | B,S,OVAL,FNUC,MSB,R=G | | |
| IC | 2562 | Leo | | Galaxy S | |
| | Apr 19 2006 31" | 19mmW | B,S,OVAL,NND,R=F | | |
| IC | 2567 | Leo | | Galaxy LB | |
| | Apr 19 2006 31" | 19mmW | PF,CS,OVAL,NND,R=F | | |
| IC | 2574 | UMa | | Galaxy SAB(s)m | |
| | Aug 21 2004 8" | 11mmT6 | CLEAR SKIES - H.H. LITE. 1ST REAL TEST | | |
| IC | 2579 | Leo | | Non-Existent | |
| | Apr 19 2006 31" | 19mmW | PB,PL,EON,BNUC,MSB,R=G | | |
| IC | 2583 | Leo | | Galaxy | |
| | Apr 19 2006 31" | 19mmW | PB,PS,OVAL,BNUC,MSB,R=G | | |
| IC | 2590 | Leo | | Galaxy S0 | |
| | Apr 19 2006 31" | 19mmW | PB,PL,R,BNUC,MSB,R=G | | |
| IC | 2626 | Leo | | Galaxy | |
| | Apr 19 2007 31" | 17mmT4 | F,PS,EON,NND,R=F | | |
| | Apr 19 2006 31" | 19mmW | PF,PS,EON,NND,R=F | | |
| IC | 2759 | Leo | | Galaxy S? | |
| | Apr 26 2008 31" | 17mmT4 | PB,S,OVAL,UB,NND,R=F | | |
| IC | 2914 | Leo | | Galaxy S | |
| | May 14 2010 31" | 17mmT4 | CF,CS,OVAL,MEXT,NND,R=F | | |
| IC | 2955 | Leo | | Galaxy | |
| | May 07 2007 31" | 17mmT4 | PB,PS,OVAL,UB,NND,R=G | | |
| IC | 2982 | Leo | | Galaxy L | |
| | Apr 28 2006 31" | 19mmW | PF,PS,OVAL,NND,R=F | | |
| IC | 3011 | Vir | | Non-Existent | |
| | Mar 08 2010 12" | 11mmT6 | PF,PS,EON,UB,NND,R=F | | |

Observations Listing by Catalog Number

| | | | |
|-----------------|--------------|-----------------------------|----------------------------|
| IC | 3074 | Vir | Galaxy SB(s)dm: sp |
| May 30 2014 18" | 8mm Ds | VF,PS,EON,UB,NND,R=F,PA=160 | |
| IC | 3259 | Vir | Galaxy SAB(s)dm? |
| Mar 30 2014 18" | 7mm TV | VF,VS,OVAL,UB,NND,AV1,R=P | |
| IC | 3322A | Vir | Galaxy SB(s)cd: sp |
| May 25 2014 18" | 8mm Ds | PF,PS,EON,FNUC,R=F,PA=160 | |
| IC | 3414 | Vir | Galaxy SABdm? |
| May 25 2014 18" | 8mm Ds | VF,VS,OVAL,UB,NND,AV1,R=P | |
| IC | 3446 | Vir | Galaxy S? |
| May 18 2007 31" | 17mmT4 | VF,VS,R,NND,AV,R=F | |
| May 14 2007 31" | 17mmT4 | PB,PS,EON,FNUC,MSB,R=G | |
| IC | 3470 | Vir | Galaxy E? |
| May 14 2007 31" | 17mmT4 | PB,PS,R,UB,NND,R=G | |
| IC | 3476 | Com | Galaxy IB(s)m: |
| Jun 09 2007 8" | 11mmT6 | PF,PS,R,NND,R=F | |
| IC | 3481 | Vir | Galaxy SAB0-: pec |
| May 18 2007 31" | 17mmT4 | PB,PS,OVAL,UB,NND,R=F | |
| IC | 3481A | Vir | Galaxy E pec: |
| May 18 2007 31" | 17mmT4 | CF,VS,R,NND,AV,R=F | |
| IC | 3483 | Vir | Galaxy SAB(s)b pec: |
| May 18 2007 31" | 17mmT4 | PF,PS,OVAL,UB,NND,R=F | |
| IC | 3499 | Vir | Galaxy S0/a |
| May 14 2007 31" | 17mmT4 | PF,PL,EON,UB,NND,R=F | |
| IC | 3510 | Vir | Galaxy S? |
| May 14 2007 31" | 17mmT4 | CF,CS,OVAL,NND,AV,R=F | |
| IC | 3568 | Cam | Planetary Neb 2+2a |
| Jun 07 2010 12" | 7.5mmW | PB,VS,R=F. ALMOST STELLER | |
| IC | 3583 | Vir | Galaxy IBm |
| May 18 2007 31" | 17mmT4 | PF,PL,EL,OVAL,NND,R=F | |
| IC | 3900 | Com | Galaxy SB0: |
| May 18 2009 31" | 17mmT4 | PB,CS,OVAL,UB,NND,R=F | |
| IC | 3913 | Com | Galaxy S? |
| May 18 2009 31" | 17mmT4 | DIFF,CF,VS,OVAL,NND,R=F | |

Observations Listing by Catalog Number

| | | | |
|-----------|------------------|---|---------------------------------|
| IC | 4277 | CVn | Galaxy |
| | May 14 2017 12" | 11mmT6 B,PS,R,BNUC,R=G | |
| IC | 4501 | Lib | Galaxy SB(s)dm |
| | Jul 06 2010 12" | 7.5mmW VF,VS,OVAL,UB,NND,R=F | |
| IC | 4592 | Sco | Nebula R |
| | Jul 21 2007 1.9" | 12x50 PF,PL,JUST DETECTED,R=F | |
| IC | 4593 | Her | Planetary Neb 2+2 |
| | Jun 03 2005 31" | 19mmW VB,VS,R,HISB,R=G | |
| IC | 4604 | Oph | Nebula R |
| | Jul 21 2007 1.9" | 12x50 PF,PS,AV,JUST DETECTED,R=F | |
| IC | 4615 | Her | Non-Existent |
| | May 21 2009 16" | 11mmT6 PF,PS,OVAL,UB,NND,R=F | |
| IC | 4634 | Oph | Planetary Neb 2a+3 |
| | Jul 31 2005 8" | 7.5mmW VVF,VS,AV,R=F | |
| IC | 4665 | Oph | Open Cluster 6.0 III 2 m |
| | Jun 17 2016 12" | 8mm Ds WIDE/OPEN CLUSTER | |
| | Oct 08 2006 1.9" | 12x50 B,PL,R=G, LOOSE GROUPING | |
| | May 22 2004 8" | 25mmPL DECENT NIGHT - MEGASTAR CONTROL | |
| IC | 4673 | Sgr | Planetary Neb 4 |
| | Sep 05 2007 8" | 11mmT6 VF,VS,NO CENTRAL STAR,R=F | |
| IC | 4715 | Sgr | Non-Existent |
| | Aug 21 2015 12" | 35mm A | |
| | Mar 08 2010 12" | 26mm M.M. 2010 MANUAL SETTING CIRCLES | |
| | Mar 20 2009 16" | 26mm MESSIER MARATHON - 2009 | |
| | Aug 16 2006 1.9" | 12x50 B,PL,R=G | |
| | Mar 27 2006 8" | 19mmW R=F | |
| | Jun 14 2004 8" | 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL | |
| IC | 4725 | Sgr M25 | Open Cluster 8.0 I 3 m |
| | Mar 16 2012 18" | 17mmAT 2012 M.M. | |
| | Mar 01 2011 12" | 17mmAT M.M. 2011 - MANUAL SETTING CIRCLES | |
| | Mar 08 2010 12" | 26mm M.M. 2010 MANUAL SETTING CIRCLES | |
| | Aug 12 2006 1.9" | 12x50 B,L,R=G | |
| | Mar 27 2006 8" | 19mmW S,R=F | |
| | Jun 14 2004 8" | 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL | |
| IC | 4732 | Sgr | Planetary Neb 1 |
| | Sep 05 2007 8" | 11mmT6 VF,ES,AV,NO CENTRAL STAR,R=F | |

Observations Listing by Catalog Number

| | | | |
|-----------|------------------|------------|---|
| IC | 4756 | Ser | Open Cluster 8.0 II 3 r |
| | Sep 19 2014 12" | 17mmAT | B,L,R=G, LOOSE, HOME - 8/14/14 |
| | Jun 20 2007 1.9" | 12x50 | F,PL,R=F |
| IC | 4763 | Dra | Galaxy S? |
| | Sep 05 2010 12" | 5.5mmN | CF,PS,EON,UB,NND,R=F,PA=165 |
| IC | 4772 | Lyr | Galaxy C |
| | Aug 16 2009 31" | 17mmT4 | VF,S,OVAL,UB,NND,R=F |
| IC | 4776 | Sgr | Planetary Neb 2a |
| | Aug 24 2012 18" | 8.8 ES | PF,PS, R=F, OIII FILTER, |
| IC | 4846 | Aql | Planetary Neb 2 |
| | Jul 19 2017 12" | 11mmT6 | VF,VS, R=F. LP2 FILTER |
| | Jul 03 2005 8" | 11mmT6 | VB,VS,R,R=F |
| IC | 4867 | Cyg | Galaxy S0 |
| | Aug 13 2010 31" | 17mmT4 | PF,PS,OVAL,MEXT,FNUC,R=F |
| | Jul 27 2009 16" | 11mmT6 | PF,PS,OVAL,NND,AV,R=F |
| IC | 4954 | Vul | Nebula R |
| | Nov 16 2012 18" | 11mmT6 | FAINT,SMALL,R=F |
| IC | 4996 | Cyg | Open Cluster 8.0 II 3 p n APPROX 15 STARS |
| | Jun 26 2004 8" | 25mmPL | CLOUDS EARLY - GIBBOUS MOON |
| IC | 4997 | Sge | Planetary Neb 1 |
| | Sep 01 2008 31" | 17mmT4 | PB,ES,R=F. NO CENTRAL STAR |
| IC | 5050 | Aqr | Galaxy SAB(r)b: |
| | Sep 27 2005 31" | 17mmT4 | MF,VS,OVAL,NND,R=G |
| IC | 5067 | Cyg | Nebula EN |
| | Jul 24 2006 8" | 25mmPL | PF,CL,R=F |
| IC | 5068 | Cyg | Nebula E |
| | Aug 18 2010 12" | 26mm | PF,PL,R=P,ROUGHLY-RECTANGULAR SHAPE,DIM,OIII FILTER |
| IC | 5070 | Cyg | Non-Existent |
| | Jul 19 2017 12" | 27m PN | F,PL,R=F. |
| | Jul 15 2015 12" | 35mm A | LP2 FILTER - VERY NICE OBJECT |
| | Jun 20 2007 1.9" | 12x50 | PF,VL,R=F, HINT OF NEBULOSITY |
| | Aug 02 2005 8" | 19mmW | L,F,R=F |
| IC | 5076 | Cyg | Nebula E |
| | Nov 13 2007 8" | 11mmT6 | PF,PS,HINT OF NEBULOSITY,R=F |

Observations Listing by Catalog Number

| | | | |
|-----------|------------------|---|------------------------|
| IC | 5078 | Cap | Galaxy SA(s)c: |
| | Sep 05 2007 8" | 11mmT6 VF,VS,NND,AV,R=F | |
| | Sep 19 2004 8" | 7.5mmW VF,NND,AV,R=F | |
| IC | 5080 | Del | Galaxy |
| | Sep 25 2006 31" | 19mmW PF,PS,R,NND,R=F | |
| IC | 5090 | Aqr | Galaxy Sa pec? |
| | Sep 27 2005 31" | 17mmT4 VB,ML,OVAL,RNUC,R=G | |
| IC | 5111 | Aqr | Galaxy Sa |
| | Oct 05 2005 31" | 17mmT4 EF,VS,OVAL,NND,AV,R=F | |
| IC | 5117 | Cyg | Planetary Neb 2 |
| | Jul 23 2006 8" | 11mmT6 F,VS,R,AV,R=F | |
| IC | 5122 | Cap | Galaxy S0: |
| | Sep 28 2008 31" | 17mmT4 F,S,EON,NND,AV,R=P | |
| IC | 5146 | Cyg | Nebula E |
| | Jun 20 2007 1.9" | 12x50 F,S,R=F, HINT OF NEBULOSITY | |
| | Jun 26 2004 8" | 7.5mmW INVOLVED WITH CR 470 | |
| IC | 5180 | Lac | Galaxy E: |
| | Sep 14 2012 18" | 7mm TV VF,PS,UB,NND,AV1,R=F | |
| IC | 5217 | Lac | Planetary Neb 2 |
| | Nov 16 2012 18" | 11mmT6 VS,VF,R=F | |
| IC | 5254 | Peg | Galaxy |
| | Nov 03 2013 36" | 17mmT4 PF,PS,OVAL,UB,NND,R=F | |
| IC | 5258 | Peg | Galaxy S0-: |
| | Nov 02 2010 31" | 17mmT4 F,PS,OVAL,MEXT,BNUC,R=G,TRIANGULAR AST. TO NORTH | |
| | Sep 12 2010 12" | 5.5mmN PF,PS,OVAL,MEXT,FNUC,R=F,PA=135 | |
| IC | 5274 | Peg | Galaxy S0: |
| | Nov 02 2010 31" | 17mmT4 PF,PS,R,FNUC,R=G | |
| IC | 5276 | Peg | Galaxy S |
| | Nov 02 2010 31" | 17mmT4 CF,CS,OVAL,MEXT,UB,NND,R=F | |
| IC | 5285 | Peg | Galaxy S? |
| | Oct 15 2006 31" | 19mmW PB,PL,OVAL,FNUC,R=G | |
| IC | 5293 | Peg | Galaxy |
| | Nov 02 2010 31" | 17mmT4 PF,CS,OVAL,UB,NND,R=F | |

Observations Listing by Catalog Number

| | | | |
|-------------|-------------|---------------------------------------|-----------------------|
| IC | 5295 | Peg | Galaxy |
| Nov 02 2010 | 31" | 17mmT4 CF,ES,OVAL,UB,NND,R=F | |
| IC | 5296 | Peg | Galaxy SBb |
| Nov 02 2010 | 31" | 17mmT4 DIFF,VF,CS,R,UB,NND,R=F | |
| IC | 5297 | Peg | Galaxy C |
| Nov 02 2010 | 31" | 17mmT4 PF,ES,OVAL,FNUC,R=F | |
| IC | 5298 | Peg | Galaxy S? |
| Nov 02 2010 | 31" | 17mmT4 PF,PS,R,UB,NND,R=F | |
| IC | 5305 | Peg | Galaxy S |
| Nov 03 2013 | 36" | 17mmT4 PF,PS,OVAL,UB,NND,R=F | |
| IC | 5309 | Psc | Galaxy Sb |
| Nov 03 2013 | 36" | 17mmT4 PF,PS,EON,UB,NND,AV,R=F,PA=34 | |
| IC | 5312 | Peg | Galaxy Sb |
| Oct 30 2005 | 31" | 17mmT4 MF,MS,R,NND,R=F | |
| IC | 5314 | Peg | Galaxy C |
| Oct 30 2005 | 31" | 17mmT4 MF,MS,R,NND,R=F | |
| IC | 5315 | Peg | Galaxy E? |
| Nov 02 2010 | 31" | 17mmT4 PF,ES,R,FNUC,HSB,R=G | |
| Oct 30 2005 | 31" | 17mmT4 MB,VS,R,FNUC,MSB,R=G | |
| IC | 5369 | And | Galaxy |
| Aug 24 2012 | 18" | 5mm TV VF,VS,OVAL,MEXT,UB,NND,R=F | |
| IC | 5370 | And | Galaxy S0/a |
| Oct 12 2012 | 18" | 7mm TV VF,PS,R,UB,NND,AV2,R=F | |
| Aug 24 2012 | 18" | 5mm TV PF,VS,R,UB,NND,R=F | |
| IC | 5371 | And | Galaxy S |
| Oct 12 2012 | 18" | 7mm TV PF,PS,R,FNUC,R=F | |
| Aug 24 2012 | 18" | 5mm TV VF,VS,R,UB,NND,R=F | |
| IC | 5373 | And | Galaxy Sb |
| Oct 12 2012 | 18" | 7mm TV PF,PS,OVAL,FNUC,R=F | |
| IC | 5376 | And | Galaxy Sab |
| Oct 12 2012 | 18" | 7mm TV PF,PS,EON,UB,NND,R=F,REAL THIN | |
| IC | 5381 | Peg | Galaxy Sab? sp |
| Oct 30 2008 | 16" | 17mmT4 CF,CS,OVAL,NND,AV,R=F | |

Observations Listing by Catalog Number

| | | | |
|----------------|------------------|------------|------------------------------------|
| J | 320 | Ori | Planetary Neb 2+4 |
| | Dec 28 2008 31" | 17mmT4 | F,VS,OVAL,R=F, NO CENTRAL STAR |
| | Dec 15 2004 8" | 7.5mmW | VF,R=F |
| KEMBI 1 | Cam | | Open Cluster |
| | Nov 26 2006 1.9" | 12x50 | BRIGHT-STRING,R=F |
| M | 45 | Tau | M45 |
| | Mar 16 2012 18" | 17mmAT | 2012 M.M. |
| | Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES |
| | Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES |
| | Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 |
| | Oct 29 2006 1.9" | 12x50 | VB,VL,LOOSE CLUSTER,R,R=G |
| | Mar 19 2006 8" | 25mmPL | PB,VL,R=E. PRETTY NICE |
| | Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS |
| | Dec 26 2003 8" | 25mmPL | Q/M COLD |
| | Dec 26 2003 8" | 25mmPL | COMPTER = ARGO NAVIS |
| MAC | 0007+2733 | Peg | Galaxy |
| | Nov 02 2005 31" | 19mmW | VF,VS,OVAL,NND,R=F |
| MAC | 0009+3316 | And | Galaxy |
| | Oct 30 2005 31" | 17mmT4 | VF,VS,R,NND,AV,R=F |
| MAC | 0048+3157 | And | Galaxy |
| | Oct 30 2005 31" | 17mmT4 | VF,VS,OVAL,NND,AV,R=F |
| MAC | 0124+3319 | Psc | Galaxy |
| | Oct 30 2005 31" | 17mmT4 | MF,VS,OVAL,NND,R=F |
| MAC | 0135+3417 | Tri | Galaxy |
| | Nov 24 2006 31" | 20mmUW | VF,VS,OVAL,NND,R=F |
| MAC | 0137+3309 | Tri | Galaxy |
| | Nov 24 2006 31" | 20mmUW | VF,VS,R,NND,R=F |
| MAC | 0147+3523 | Tri | Galaxy |
| | Nov 24 2006 31" | 20mmUW | VF,PS,OVAL,NND,R=F |
| MAC | 0149+3237 | Tri | Galaxy |
| | Dec 12 2012 36" | 17mmT4 | VF,VS,OVAL,UB,NND,R=P |
| MAC | 0205+3043 | Tri | Galaxy |
| | Nov 02 2005 31" | 19mmW | PF,FL,EL,OVAL,NND,AV,R=F |
| MAC | 0206+3107 | Tri | Galaxy |
| | Nov 02 2005 31" | 19mmW | VF,VS,EL,NND,AV,R=F |

Observations Listing by Catalog Number

| | | |
|----------------------|------------------------------|---------------|
| MAC 0214+3051 | Tri | Galaxy |
| Dec 19 2006 31" | 17mmT4 VF,VS,OVAL,NND,R=F | |
| MAC 0214+3051 | Tri | Galaxy |
| Dec 19 2006 31" | 17mmT4 VF,VS,OVAL,NND,R=F | |
| MAC 0215+3041 | Tri | Galaxy |
| Dec 19 2006 31" | 17mmT4 VF,VS,OVAL,NND,AV,R=F | |
| MAC 0215+3047 | Tri | Galaxy |
| Dec 19 2006 31" | 17mmT4 VF,PS,OVAL,NND,AV,R=F | |
| MAC 0216+2837 | Tri | Galaxy |
| Dec 19 2006 31" | 17mmT4 VF,PS,EON,NND,AV,R=F | |
| MAC 0217+3220 | Tri | Galaxy |
| Dec 19 2006 31" | 17mmT4 VF,PS,OVAL,NND,R=F | |
| MAC 0219+3424 | Tri | Galaxy |
| Dec 19 2006 31" | 17mmT4 PF,PS,R,NND,AV,R=F | |
| MAC 0219+3433 | Tri | Galaxy |
| Dec 19 2006 31" | 17mmT4 VF,PS,OVAL,NND,R=F | |
| MAC 0219+3437 | Tri | Galaxy |
| Dec 19 2006 31" | 17mmT4 VF,PS,OVAL,NND,R=F | |
| MAC 0227+2802 | Tri | Galaxy |
| Dec 19 2006 31" | 17mmT4 VF,VS,R,NND,AV,R=F | |
| MAC 0228+3118 | Tri | Galaxy |
| Dec 19 2006 31" | 17mmT4 VF,PS,R,NND,AV,R=F | |
| MAC 0234+3247 | Tri | Galaxy |
| Dec 19 2006 31" | 17mmT4 PF,CS,R,NND,AV,R=F | |
| MAC 0234+3253 | Tri | Galaxy |
| Dec 19 2006 31" | 17mmT4 VF,VS,R,NND,AV,R=F | |
| MAC 0237+0716 | Cet | Galaxy |
| Dec 12 2012 36" | 17mmT4 VF,VS,R,NND,AV2,R=F | |
| MAC 0244+1924 | Ari | Galaxy |
| Oct 30 2005 31" | 17mmT4 VF,VS,R,NND,R=F | |
| MAC 0245+1855 | Ari | Galaxy |
| Oct 30 2005 31" | 17mmT4 VF,VS,OVAL,NND,AV,R=F | |

Observations Listing by Catalog Number

| | | |
|----------------------|------------------------------|---------------|
| MAC 0310+4200 | Per | Galaxy |
| Dec 13 2012 18" | 8.8 ES VFR,VS,R,NND,AV3,R=P | |
| MAC 0405+2526 | Tau | Galaxy |
| Dec 18 2006 31" | 20mmUW VF,VS,EL,OVAL,NND,R=F | |
| MAC 0447-0208 | Ori | Galaxy |
| Feb 03 2005 31" | 11mmT6 MF,MS,EL,FNUC,R=F | |
| MAC 0448-0134 | Ori | Galaxy |
| Feb 03 2005 31" | 11mmT6 MF,VS,OVAL,FNUC,R=G | |
| Feb 03 2005 31" | 11mmT6 MF,VS,OVAL,FNUC,R=G | |
| MAC 0511-1505 | Lep | Galaxy |
| Feb 20 2006 31" | 17mmT4 VF,VS,OVAL,NND,AV,R=F | |
| MAC 0710+4956 | Lyn | Galaxy |
| Feb 01 2005 31" | 17mmT4 VF,MS,R,NND,AV,R=F | |
| MAC 0711+4949 | Lyn | Galaxy |
| Feb 01 2005 31" | 17mmT4 MB,S,OVAL,NND,R=G | |
| MAC 0711+5007 | Lyn | Galaxy |
| Feb 01 2005 31" | 17mmT4 MF,S,EL,NND,R=F | |
| MAC 1012+1243 | Leo | Galaxy |
| Apr 15 2007 31" | 17mmT4 PF,PS,R,NND,R=F | |
| MAC 1013+1702 | Leo | Galaxy |
| Apr 15 2007 31" | 17mmT4 F,PS,EON,NND,R=F | |
| MAC 1018+0708 | Leo | Galaxy |
| Apr 19 2006 31" | 19mmW VF,VS,R,NND,AV,R=F | |
| MAC 1018+2742 | Leo | Galaxy |
| Apr 21 2007 31" | 17mmT4 CF,CS,R,NND,AV,R=F | |
| MAC 1021+1927 | Leo | Galaxy |
| Apr 21 2007 31" | 17mmT4 F,S,OVAL,NND,AV,R=F | |
| MAC 1022+1947 | Leo | Galaxy |
| Apr 21 2007 31" | 17mmT4 F,CS,OVAL,NND,AV,R=F | |
| MAC 1023+1056 | Leo | Galaxy |
| Apr 19 2006 31" | 19mmW VF,VS,R,NND,AV,R=F | |
| MAC 1023+2001 | Leo | Galaxy |
| Apr 21 2007 31" | 17mmT4 VF,CS,OVAL,NND,AV,R=F | |

Observations Listing by Catalog Number

| | | |
|----------------------|-------------------------------|---------------|
| MAC 1039+4754 | UMa | Galaxy |
| Feb 23 2006 31" | 17mmT4 VF,VS,R,NND,AV,R=F | |
| MAC 1043+4053 | UMa | Galaxy |
| Feb 23 2006 31" | 17mmT4 VF,VS,R,NND,AV,R=F | |
| MAC 1044+1403 | Leo | Galaxy |
| Apr 07 2008 31" | 17mmT4 VF,VS,EON,NND,AV,R=F | |
| MAC 1044+1406 | Leo | Galaxy |
| Apr 07 2008 31" | 17mmT4 PF,VS,OVAL,NND,R=F | |
| MAC 1047+1238 | Leo | Galaxy |
| Apr 13 2005 31" | 17mmT4 MF,MS,EL,OVAL,ND,R=F | |
| MAC 1047+1246 | Leo | Galaxy |
| Apr 13 2005 31" | 17mmT4 MF,MS,OVAL,NND,R=F | |
| MAC 1049+1616 | Leo | Galaxy |
| Apr 07 2008 31" | 17mmT4 PF,PS,OVAL,NND,LSB,R=F | |
| MAC 1049+1617 | Leo | Galaxy |
| Apr 07 2008 31" | 17mmT4 VF,VS,R,NND,AV,R=F | |
| MAC 1104+0501 | Leo | Galaxy |
| Apr 19 2007 31" | 17mmT4 VF,VS,R,NND,AV,R=F | |
| MAC 1109+2157 | Leo | Galaxy |
| Apr 19 2007 31" | 17mmT4 PF,VS,OVAL,UB,NND,R=F | |
| MAC 1109+2158 | Leo | Galaxy |
| Apr 19 2007 31" | 17mmT4 PF,VS,EON,UB,NND,R=F | |
| MAC 1110+2158 | Leo | Galaxy |
| Apr 19 2007 31" | 17mmT4 PF,CS,OVAL,UB,NND,R=F | |
| MAC 1110+2206 | Leo | Galaxy |
| Apr 19 2007 31" | 17mmT4 VF,VS,OVAL,NND,R=F | |
| MAC 1110+2208 | Leo | Galaxy |
| Apr 19 2007 31" | 17mmT4 VF,VS,OVAL,NND,R=F | |
| MAC 1110+2213 | Leo | Galaxy |
| Apr 19 2007 31" | 17mmT4 VF,VS,OVAL,NND,AV,R=F | |
| MAC 1118+0937 | Leo | Galaxy |
| Apr 15 2007 31" | 17mmT4 VF,VS,OVAL,NND,AV,R=F | |

Observations Listing by Catalog Number

| | | |
|----------------------|-------------------------------|---------------|
| MAC 1120+0255 | Leo | Galaxy |
| Apr 15 2007 31" | 17mmT4 VF,VS,R,NND,R=F | |
| MAC 1120-0558 | Leo | Galaxy |
| Apr 15 2007 31" | 17mmT4 VF,VS,EON,NND,AV,R=F | |
| MAC 1120+1340 | Leo | Galaxy |
| Feb 23 2006 31" | 17mmT4 FB,FL,OVAL,NND,R=G | |
| MAC 1132+5307 | UMa | Galaxy |
| Feb 23 2006 31" | 17mmT4 PF,VS,R,NND,R=F | |
| MAC 1133+5307 | UMa | Galaxy |
| Feb 23 2006 31" | 17mmT4 VF,VS,OVAL,NND,AV,RF=F | |
| MAC 1133+5307 | UMa | Galaxy |
| Feb 23 2006 31" | 17mmT4 VF,VS,R,NND,AV,R=F | |
| MAC 1133+5308 | UMa | Galaxy |
| Feb 23 2006 31" | 17mmT4 VF,VS,R,NND,AV,R=F | |
| MAC 1141+1016 | Vir | Galaxy |
| May 18 2007 31" | 17mmT4 VF,VS,R,NND,AV,R=F | |
| MAC 1145+1952 | Leo | Galaxy |
| May 07 2007 31" | 17mmT4 VF,PS,R,NND,AV,R=F | |
| MAC 1145+2001 | Leo | Galaxy |
| May 07 2007 31" | 17mmT4 VF,VS,R,NND,AV,R=F | |
| MAC 1145+2026 | Leo | Galaxy |
| May 07 2007 31" | 17mmT4 PF,PS,OVAL,UB,NND,R=F | |
| MAC 1146+1944 | Leo | Galaxy |
| May 07 2007 31" | 17mmT4 CF,CS,R,UB,NND,R=F | |
| MAC 1146+2026 | Leo | Galaxy |
| May 07 2007 31" | 17mmT4 PF,PS,EON,NND,V,R=F | |
| MAC 1150+2111 | Leo | Galaxy |
| May 07 2007 31" | 17mmT4 CF,PS,EON,UB,NND,R=F | |
| MAC 1150+2116 | Leo | Galaxy |
| May 07 2007 31" | 17mmT4 PF,CS,OVAL,UB,NND,R=F | |
| MAC 1150+2119 | Leo | Galaxy |
| May 07 2007 31" | 17mmT4 VF,VS,R,NND,AV,R=F | |

Observations Listing by Catalog Number

| | | |
|----------------------|--------------------------------|---------------|
| MAC 1207-1408 | Crv | Galaxy |
| Apr 07 2008 31" | 17mmT4 VF,VS,OVAL,NND,AV,R=F | |
| MAC 1231+0036 | Vir | Galaxy |
| May 14 2007 31" | 17mmT4 CF,VS,OVAL,NND,R=F | |
| MAC 1231+0353 | Vir | Galaxy |
| May 14 2007 31" | 17mmT4 VF,CS,EON,NND,AV,R=P | |
| MAC 1234-0727 | Vir | Galaxy |
| May 14 2007 31" | 17mmT4 VF,CS,R,NND,AV,R=F | |
| MAC 1234-0732 | Vir | Galaxy |
| May 14 2007 31" | 17mmT4 CF,CS,R,UB,NND,R=F | |
| MAC 1236+7415 | Dra | Galaxy |
| Feb 23 2006 31" | 17mmT4 VF,VS,R,NND,AV,R=F | |
| MAC 1237+7417 | Dra | Galaxy |
| Feb 23 2006 31" | 17mmT4 VF,FS,R,NND,R=F | |
| MAC 1252+1001 | Vir | Galaxy |
| May 18 2007 31" | 17mmT4 VF,VS,OVAL,NND,AV,R=F | |
| MAC 1253+0956 | Vir | Galaxy |
| May 18 2007 31" | 17mmT4 EF,VS,R,NND,AV,R=F | |
| MAC 1255+2736 | Com | Galaxy |
| May 18 2009 31" | 17mmT4 DIFF,VF,VS,OVAL,NND,R=F | |
| MAC 1255+2756 | Com | Galaxy |
| May 18 2009 31" | 17mmT4 VF,VS,OVAL,NND,AV,R=F | |
| MAC 1255+2815 | Com | Galaxy |
| May 18 2009 31" | 17mmT4 VF,VS,OVAL,NND,AV,R=F | |
| MAC 1255+2824 | Com | Galaxy |
| May 18 2009 31" | 17mmT4 EF,VS,R,NND,AV,R=P | |
| MAC 1255+2900 | Com | Galaxy |
| May 18 2009 31" | 17mmT4 VF,VS,R,NND,AV,R=F | |
| MAC 1256+2725 | Com | Galaxy |
| May 18 2009 31" | 17mmT4 PF,PS,OVAL,FNUC,R=F | |
| MAC 1256+2726 | Com | Galaxy |
| May 18 2009 31" | 17mmT4 VF,VS,R,NND,R=F | |

Observations Listing by Catalog Number

| | |
|--|---------------|
| MAC 1256+2730 Com | Galaxy |
| May 18 2009 31" 17mmT4 VF,VS,R,NND,AV,R=F | |
| MAC 1256+2732 Com | Galaxy |
| May 18 2009 31" 17mmT4 VF,VS,OVAL,NND,AV,R=F | |
| May 18 2009 31" 17mmT4 VF,VS,R,NND,AV,R=F | |
| MAC 1256+2738 Com | Galaxy |
| May 18 2009 31" 17mmT4 PF,VS,NND,UB,R=F | |
| MAC 1256+2741 Com | Galaxy |
| May 18 2009 31" 17mmT4 VF,VS,OVAL,NND,R=F | |
| MAC 1256+2743 Com | Galaxy |
| May 18 2009 31" 17mmT4 VF,VS,OVAL,NND,R=F | |
| MAC 1256+2749 Com | Galaxy |
| May 18 2009 31" 17mmT4 PB,CS,R,FNUC,R=F | |
| MAC 1256+2750 Com | Galaxy |
| May 18 2009 31" 17mmT4 PB,CS,R,FNUC,R=F | |
| MAC 1256+2802 Com | Galaxy |
| May 18 2009 31" 17mmT4 VF,VS,OVAL,NND,R=F | |
| MAC 1256+2818 Com | Galaxy |
| May 18 2009 31" 17mmT4 VF,VS,R,NND,AV,R=F | |
| MAC 1310+1817 Com | Galaxy |
| May 12 2005 31" 19mmW VF,ML,R,NND,AV,R=F | |
| MAC 1310+1818 Com | Galaxy |
| May 12 2005 31" 19mmW VF,ML,EL,EON,NND,R=F | |
| MAC 1310+1825 Com | Galaxy |
| May 12 2005 31" 19mmW VF,VS,OVAL,NND,AV,R=F | |
| MAC 1311+1825 Com | Galaxy |
| May 12 2005 31" 12mmT4 VF,VS,OVAL,NND,AV,R=F | |
| MAC 1314+1700 Com | Galaxy |
| May 12 2005 31" 19mmW MB,ML,OVAL,FNUC,R=G | |
| MAC 1354+4015 CVn | Galaxy |
| May 12 2005 31" 19mmW MB,VS,R,FNUC,R=F | |
| MAC 1354+4028 CVn | Galaxy |
| May 12 2005 31" 19mmW VF,VS,OVAL,NND,R=F | |

Observations Listing by Catalog Number

| | |
|---|---------------|
| MAC 1355+4002 CVn | Galaxy |
| May 12 2005 31" 19mmW VF,VS,OVAL,NND,AV,R=F | |
| MAC 1356+3817 CVn | Galaxy |
| May 12 2005 31" 19mmW VF,VS,OVAL,NND,R=F | |
| MAC 1356+3818 CVn | Galaxy |
| May 12 2005 31" 19mmW VF,VS,R,NND,AV,R=F | |
| MAC 1356+3818 CVn | Galaxy |
| May 12 2005 31" 19mmW VF,MS,EL,OVAL,NND,R=F | |
| MAC 1356+3821 CVn | Galaxy |
| May 12 2005 31" 19mmW MF,MS,OVAL,NND,R=F | |
| MAC 1356+3825 CVn | Galaxy |
| May 12 2005 31" 19mmW VF,MS,R,NND,AV,R=F | |
| MAC 1356+3829 CVn | Galaxy |
| May 12 2005 31" 19mmW VF,VS,R,NND,AV,R=F | |
| MAC 1423+4015 Boo | Galaxy |
| May 22 2006 31" 19mmW VF,VS,R,NND,AV,R=F | |
| MAC 1432+3557 Boo | Galaxy |
| Jun 05 2011 31" 17mmT4 CF,CS,OVAL,UB,NND,R=F | |
| MAC 1432+3601 Boo | Galaxy |
| Jun 05 2011 31" 17mmT4 VF,VS,OVAL,UB,NND,AV,R=P | |
| MAC 1644+4005 Her | Galaxy |
| Jul 16 2009 16" 17mmT4 VF,VS,R,NND,AV,R=F | |
| MAC 1828+3344 Lyr | Galaxy |
| Aug 16 2009 31" 17mmT4 PF,CS,R,UB,NND,R=F | |
| MAC 1828+3413 Lyr | Galaxy |
| Aug 16 2009 31" 17mmT4 VF,VS,OVAL,NND,AV,R=F | |
| MAC 1830+3403 Lyr | Galaxy |
| Aug 16 2009 31" 17mmT4 VF,VS,OVAL,NND,AV,R=F | |
| MAC 2033+0659 Del | Galaxy |
| Aug 31 2008 31" 17mmT4 VF,VS,R,NND,R=F | |
| MAC 2033+0951 Del | Galaxy |
| Sep 25 2006 31" 19mmW VF,VS,R,NND,AV,R=F | |

Observations Listing by Catalog Number

| | | |
|----------------------|--------------------------------------|---------------|
| MAC 2059-1421 | Aqr | Galaxy |
| Sep 27 2005 31" | 17mmT4 VF,VS,OVAL,NND,AV,R=F | |
| MAC 2100-1425 | Aqr | Galaxy |
| Sep 27 2005 31" | 17mmT4 VF,VS,OVAL,FNUC,MSB,R=F | |
| MAC 2100-1428 | Aqr | Galaxy |
| Sep 27 2005 31" | 17mmT4 VF,VS,R,NND,AV,R=F | |
| MAC 2101-1315 | Aqr | Galaxy |
| Sep 27 2005 31" | 17mmT4 MB,ML,R,FNUC,MSB,R=G | |
| MAC 2101-1315 | Aqr | Galaxy |
| Sep 27 2005 31" | 17mmT4 MB,ML,R,FNUC,MSB,R=G | |
| MAC 2101-1316 | Aqr | Galaxy |
| Sep 27 2005 31" | 17mmT4 MB,LS,R,NND,MSB,R=F | |
| MAC 2102+1913 | Del | Galaxy |
| Sep 25 2006 31" | 19mmW PF,VS,OVAL,NND,AV,R=F | |
| MAC 2103-1124 | Aqr | Galaxy |
| Sep 27 2005 31" | 17mmT4 VF,VS,OVAL,NND,R=F | |
| MAC 2104-1122 | Aqr | Galaxy |
| Sep 27 2005 31" | 17mmT4 VF,VS,OVAL,NND,R=F, 17TH MAG. | |
| MAC 2105-1037 | Aqr | Galaxy |
| Sep 27 2005 31" | 17mmT4 VF,VS,R,NND,AV,R=F | |
| MAC 2105-1040 | Aqr | Galaxy |
| Sep 27 2005 31" | 17mmT4 VF,VS,R,NND,AV,R=F | |
| MAC 2107+1802 | Del | Galaxy |
| Sep 25 2006 31" | 19mmW PF,PS,OVAL,NND,R=F | |
| MAC 2110-0351 | Aqr | Galaxy |
| Sep 27 2005 31" | 17mmT4 MB,ML,OVAL,FNUC,R=F | |
| MAC 2116-0046 | Aqr | Galaxy |
| Sep 13 2007 31" | 17mmT4 VF,ES,R,NND,AV,R=F | |
| MAC 2120-0448 | Aqr | Galaxy |
| Oct 05 2005 31" | 17mmT4 VF,VVS,R,NND,AV,R=F | |
| MAC 2131+0230 | Aqr | Galaxy |
| Sep 13 2007 31" | 17mmT4 VF,CS,OVAL,NND,AV,R=F | |

Observations Listing by Catalog Number

| | | |
|----------------------|-----------------------------------|---------------|
| MAC 2142-0646 | Aqr | Galaxy |
| Oct 05 2005 31" | 17mmT4 VVF,VS,R,NND,AV,R=F | |
| MAC 2144-0632 | Aqr | Galaxy |
| Sep 13 2007 31" | 17mmT4 VF,VS,R,NND,AV,R=F | |
| MAC 2153+0008 | Aqr | Galaxy |
| Sep 13 2007 31" | 17mmT4 VF,VS,OVAL,NND,R=F | |
| MAC 2153+0211 | Aqr | Galaxy |
| Oct 05 2005 31" | 17mmT4 VF,VS,R,NND,AV,R=F | |
| MAC 2159-1630 | Aqr | Galaxy |
| Sep 13 2007 31" | 17mmT4 VF,ES,R,NND,AV,R=F | |
| MAC 2202-0955 | Aqr | Galaxy |
| Oct 05 2005 31" | 17mmT4 PF,VS,R,NND,R=F | |
| MAC 2207+1014 | Peg | Galaxy |
| Sep 14 2012 36" | 17mmT4 VF,VS,OVAL,MEXT,UB,NND,R=F | |
| MAC 2214+1352 | Peg | Galaxy |
| Oct 23 2008 31" | 17mmT4 VF,VS,OVAL,NND,AV,R=P | |
| MAC 2221+3632 | Lac | Galaxy |
| Sep 11 2007 31" | 17mmT4 VF,ES,R,NND,AV,R=F | |
| MAC 2221+3635 | Lac | Galaxy |
| Sep 11 2007 31" | 17mmT4 VF,VS,R,NND,AV,R=F | |
| MAC 2223+3611 | Lac | Galaxy |
| Sep 11 2007 31" | 17mmT4 VF,ES,R,NND,V,R=F | |
| MAC 2238+2340 | Peg | Galaxy |
| Oct 21 2006 31" | 20mmUW VF,VS,R,NNUC,AV,R=F | |
| MAC 2243+3001 | Peg | Galaxy |
| Nov 02 2010 31" | 17mmT4 VF,VS,OVAL,UB,NND,R=F,AV4 | |
| MAC 2255+1910 | Peg | Galaxy |
| Nov 02 2010 31" | 17mmT4 VF,ES,OVAL,UB,NND,R=F,AV1 | |
| MAC 2256+1747 | Peg | Galaxy |
| Nov 02 2010 31" | 17mmT4 VF,VS,OVAL,UB,NND,R=F,AV2 | |
| MAC 2257+1454 | Peg | Galaxy |
| Nov 03 2013 36" | 17mmT4 VF,VS,R,UB,NND,R=F | |

Observations Listing by Catalog Number

| | | |
|----------------------|---------------------------------|---------------|
| MAC 2257+1457 | Peg | Galaxy |
| Nov 03 2013 36" | 17mmT4 VF,VS,R,NND,AV2,R=F | |
| MAC 2259+1755 | Peg | Galaxy |
| Nov 02 2010 31" | 17mmT4 VF,ES,OVAL,UB,NND,R=F | |
| MAC 2259+1757 | Peg | Galaxy |
| Nov 02 2010 31" | 17mmT4 VF,VS,R,UB,NND,R=F | |
| MAC 2300+1850 | Peg | Galaxy |
| Nov 02 2010 31" | 17mmT4 VF,VS,R,UB,NND,R=F,AV1 | |
| MAC 2300+1903 | Peg | Galaxy |
| Nov 02 2010 31" | 17mmT4 CF,VS,R,UB,NND,R=F,AV1 | |
| MAC 2301+1842 | Peg | Galaxy |
| Nov 02 2010 31" | 17mmT4 VF,VS,R,UB,NND,R=F,AV1 | |
| MAC 2301+1852 | Peg | Galaxy |
| Nov 02 2010 31" | 17mmT4 CF,CS,R,UB,NND,R=F | |
| MAC 2307+2813 | Peg | Galaxy |
| Oct 15 2006 31" | 19mmW VF,VS,EL,OVAL,NND,AV,R=F | |
| MAC 2307+3356 | Peg | Galaxy |
| Oct 15 2006 31" | 19mmW VF,VS,OVAL,NND,R=F | |
| MAC 2315+2540 | Peg | Galaxy |
| Nov 02 2010 31" | 17mmT4 CF,ES,R,UB,NND,R=F | |
| Nov 02 2010 31" | 17mmT4 CF,VS,R,UB,NND,R=F | |
| MAC 2316+2537 | Peg | Galaxy |
| Nov 02 2010 31" | 17mmT4 VF,EES,OVAL,UB,NND,R=F | |
| MAC 2319+0930 | Peg | Galaxy |
| Nov 03 2013 36" | 17mmT4 VF,VS,OVAL,UB,NND,AV,R=F | |
| MAC 2320+2712 | Peg | Galaxy |
| Oct 30 2005 31" | 17mmT4 VF,VS,OVAL,NND,R=F | |
| MAC 2320+2714 | Peg | Galaxy |
| Oct 30 2005 31" | 17mmT4 VF,VS,R,NND,AV,R=F | |
| MAC 2321+0815 | Peg | Galaxy |
| Oct 30 2005 31" | 17mmT4 F,VS,OVAL,FNUC,R=F | |
| MAC 2321+2551 | Peg | Galaxy |
| Nov 02 2010 31" | 17mmT4 CF,ES,OVAL,UB,NND,R=F | |
| Oct 30 2005 31" | 17mmT4 VF,VS,R,NND,R=F | |

Observations Listing by Catalog Number

| | |
|--|---------------|
| MAC 2323+1649 Peg | Galaxy |
| Oct 25 2006 31" 17mmT4 EF,ES,OVAL,NND,R=F | |
| MAC 2323+1654 Peg | Galaxy |
| Oct 25 2006 31" 17mmT4 VF,CS,OVAL,NND,AV,R=F | |
| MAC 2323+1656 Peg | Galaxy |
| Oct 25 2006 31" 17mmT4 CF,CS,OVAL,NND,R=F | |
| MAC 2324+0929 Peg | Galaxy |
| Oct 25 2006 31" 17mmT4 VF,VS,R,AV,R=F | |
| MAC 2324+0931 Peg | Galaxy |
| Oct 25 2006 31" 17mmT4 VF,VS,OVAL,NND,R=F | |
| MAC 2324+0932 Peg | Galaxy |
| Oct 25 2006 31" 17mmT4 VF,VS,R,NND,AV,R=F | |
| MAC 2324+1357 Peg | Galaxy |
| Oct 25 2006 31" 17mmT4 VF,VS,OVAL,NND,AV,R=P | |
| MAC 2324+1357 Peg | Galaxy |
| Oct 25 2006 31" 17mmT4 VF,VS,OVAL,NND,R=F | |
| MAC 2324+1358 Peg | Galaxy |
| Oct 25 2006 31" 17mmT4 VF,CS,OVAL,NND,R=F | |
| MAC 2324+1359 Peg | Galaxy |
| Oct 25 2006 31" 17mmT4 VF,CS,OVAL,NND,R=F | |
| MAC 2324+1430 Peg | Galaxy |
| Oct 25 2006 31" 17mmT4 CF,CS,OVAL,NND,R=F | |
| MAC 2324+1437 Peg | Galaxy |
| Oct 25 2006 31" 17mmT4 VF,VS,OVAL,NND,AV,R=F | |
| MAC 2324+1438 Peg | Galaxy |
| Oct 25 2006 31" 17mmT4 VF,CS,OVAL,NND,R=F | |
| MAC 2324+1438 Peg | Galaxy |
| Oct 25 2006 31" 17mmT4 PF,CS,OVAL,NND,R=F | |
| MAC 2324+1439 Peg | Galaxy |
| Oct 25 2006 31" 17mmT4 VF,VS,OVAL,NND,R=F | |
| MAC 2324+1440 Peg | Galaxy |
| Oct 25 2006 31" 17mmT4 VF,VS,OVAL,NND,R=F | |

Observations Listing by Catalog Number

| | | | |
|----------------------|---|------------------------|------------------------------|
| MAC 2324+1440 | Peg | Galaxy | |
| Oct 25 2006 31" | 17mmT4 VF,VS,R,NND,R=F | | |
| MAC 2324+1647 | Peg | Galaxy | |
| Oct 25 2006 31" | 17mmT4 PF,PS,OVAL,FNUC,R=G | | |
| MAC 2340+2710 | Peg | Galaxy | |
| Nov 03 2013 36" | 17mmT4 VF,VS,R,UB,NND,R=F | | |
| MAC 2345+2728 | Peg | Galaxy | |
| Nov 03 2013 36" | 17mmT4 VF,VS,OVAL,NND,R=F | | |
| MCG +1-14-37 | Ori | Galaxy | |
| Sep 23 2004 8" | 7.5mmW B,OVAL,FNUC,R=G | | |
| MEL 25 | Tau | Open Cluster | |
| Nov 04 2007 1.9" | 12x50 VB,VL,SCATTERED,R=G | | |
| Oct 29 2006 8" | 19mmW B,L,LOOSE,R,R=G | | |
| Dec 15 2004 8" | 11mmT6 BRIGHT SCATTERED STARS | | |
| MERR 2-2 | FIX | Planetary Neb 1 | |
| Jul 24 2006 8" | 7.5mmW VF,VS,R,AV,R=F | | |
| MINK 1-70 | Aql | Planetary Neb 1 | |
| Aug 12 2005 8" | 7.5mmW VF,VS,AV,R=F | | |
| MINK 1-74 | FIX | Planetary Neb 1 | |
| Aug 12 2005 8" | 7.5mmW VF,VS,AV,R=F | | |
| MINK 3-34 | FIX | Planetary Neb 2 | |
| Jul 03 2005 8" | 11mmT6 DIFF,VF,VS,AV,R=F | | |
| NGC 1 | Peg | Galaxy SA(s)b: | F,S,R,BET*11\$*14 VF, |
| Sep 02 2016 12" | 8mm Et PF,PS,OVAL,NND,R=F. SQM-20.12. 53 DEGREES AT 2350 HOURS. | | |
| Nov 02 2005 31" | 19mmW MB,ML,OVAL,FNUC,MSB,R=G | | |
| Sep 01 2005 8" | 7.5mmW VF,VVS,OVAL,NND,AV,R=F | | |
| NGC 2 | Peg | Galaxy Sab | VF,S,S OF1 |
| Sep 02 2016 12" | 8mm Et PF,PS,OVAL,NND,R=F, PAIRED WITH NGC-1 | | |
| Nov 02 2005 31" | 19mmW F,ML,EL,NND,R=F | | |
| NGC 3 | Psc | Galaxy S0? | F,VS,R,ALMSTEL |
| Aug 24 2012 18" | 5mm TV VF,VS,OVAL,MEXT,UB,NND,R=F | | |
| NGC 5 | And | Galaxy E: | VF,VS,N=*13,14 |
| Oct 12 2012 18" | 7mm TV PF,PS,OVAL,FNUC,R=F,PA=10 | | |
| NGC 9 | Peg | Galaxy Sb: pec | F,R,*9,10 SF |
| Nov 02 2005 31" | 19mmW PF,FL,OVAL,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|--|---|--------------------------|
| NGC 11 | And | | Galaxy Sa | VF,VS,VLE,2VF*INV |
| Oct 12 2012 18" | 7mm TV | PF,PS,EON,UB,NND,R=F | | |
| NGC 12 | Psc | H868-3 | Galaxy SAB(rs)c: | EF,PL,VGLBM |
| Dec 12 2012 36" | 17mmT4 | PF,PS,R,NND,R=F,15TH MAG | STAR TO WEST,BRIGHTER TOWARDS THE MIDDLE. | |
| Nov 28 2010 12" | 7mm TV | VF,CS,R,UB,NND,R=F,AV2 | | |
| NGC 13 | And | H866-3 | Galaxy (R)Sab: | VF,VS,S ST+NEB |
| Aug 24 2012 18" | 5mm TV | VF,PS,OVAL,VEXT,UB,NND,R=F | | |
| Oct 17 2004 8" | 7.5mmW | MF,EL,EON,NND,AV,R=G | | |
| NGC 14 | Peg | H591-2 | Galaxy (R)IB(s)m pec | VF,PS,R,GLBM |
| Oct 30 2008 16" | 17mmT4 | F,VS,R,NND,R=F | | |
| Oct 06 2004 8" | 11mmT6 | EF,EL,EON,NND,AV,R=F | | |
| NGC 15 | Peg | | Galaxy Sa | VF,VS,R,BM |
| Nov 02 2005 31" | 19mmW | MB,ML,EL,OVAL,FNUC,MSB,R=G | | |
| NGC 16 | Peg | H15-4 | Galaxy SAB0- sp | PB,S,R,BM |
| Nov 02 2005 31" | 19mmW | VB,ML,EON,OVAL,BNUC,HISB,R=G | | |
| Sep 01 2005 8" | 7.5mmW | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 17 | Cet | | Galaxy Pec | VF,ES,IR,D*2'P |
| Dec 12 2012 36" | 17mmT4 | PB,PS,OVAL,PEXT,BNUC,R=G | | |
| NGC 20 | And | | Galaxy S0-: | F,*10ATT |
| Aug 24 2012 18" | 5mm TV | VF,PS,OVAL,UB,NND,AV2,R=P | | |
| Oct 30 2005 31" | 17mmT4 | VB,ML,OVAL,FNUC,MSB,R=G | | |
| NGC 21 | And | | Galaxy SBb | EF,S,LE |
| Sep 09 2010 12" | 5.5mmN | CF,PS,OVAL,MEXT,UB,NND,R=F,PA=95 | | |
| NGC 22 | Peg | | Galaxy Sb | VF,PS,R,LBM,R |
| Nov 02 2005 31" | 19mmW | MB,ML,R,NND,R=F | | |
| NGC 23 | Peg | H147-3 | Galaxy SB(s)a | 3S*+NEB |
| Sep 24 2016 12" | 8mm Et | F,S,R,UB,NND,R=F | | |
| Sep 15 2004 8" | 7.5mmW | EF,OVAL,PATCH,NND,AV,R=F | | |
| NGC 24 | Scl | H461-3 | Galaxy SA(s)c | VF,CL,ME,GBM |
| Oct 31 2010 12" | 11mmT6 | PF,PS,EON,UB,NND,R=F,PA=80. 13TH MAG. STR AT WEST END. | | |
| NGC 26 | Peg | | Galaxy SA(rs)ab | VF,PL,R,2F*N |
| Sep 24 2016 12" | 8mm Et | VF,S,R,UB,NND,AV,R=F | | |
| Sep 15 2004 8" | 7.5mmW | EF,PATCH,NND,AV,R=F, MAG=13.9 | | |
| NGC 27 | And | | Galaxy S? | EF,VS,E,B*NR |
| Oct 12 2012 18" | 7mm TV | VF,PS,OVAL,MEXT,UB,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|---|--|---|---------------------------|-----------------------------|
| NGC 29 Sep 09 2010 12" | And 5.5mmN | H853-2 CF,PS,OVAL,PEXT,UB,NND,R=F,PA=45 | Galaxy SAB(s)bc: | PB,PL,E0 |
| NGC 35 Dec 12 2012 36" | Cet 17mmT4 | PF,PS,OVAL,UB,NND,R=F | Galaxy Sb | EEF,PS,R |
| NGC 36 Dec 12 2012 36" Nov 28 2010 12" | Psc 17mmT4 7mm TV | H456-3 VF,VS,R,FNUC,R=F,SOME SPIRAL STRUTURE ON ARMS CF,CS,OVAL,UB,NND,R=F,PA=40 | Galaxy SAB(rs)b | VF,PS,IF |
| NGC 38 Dec 12 2012 36" | Psc 17mmT4 | PF,PS,R,FRNUC,R=F | Galaxy (R)SAa: | F,S,R,MBM |
| NGC 39 Oct 12 2012 18" | And 7mm TV | H861-3 VF,PS,R,UB,NND,AV,R=P | Galaxy SA(rs)c | VF,PS,R |
| NGC 40 Oct 05 2016 12" Nov 11 2009 12" Oct 06 2004 8" | Cep 11mmT6 7.5mmW 7.5mmW | H58-4 B,VS,R=G. OIII HELPS. NOT SURE ABOUT CENTRAL STAR B,PS,R=G, CENTRAL STAR VISIBLE MB,R,R=G | Planetary Neb 3b+3 | F,VS,R,VSMBM,*12SP |
| NGC 41 Nov 02 2005 31" | Peg 19mmW | MB,ML,OVAL,FNUC,MSB,R=G | Galaxy S? | PF,S,LE,GBM |
| NGC 42 Nov 02 2005 31" | Peg 19mmW | MB,FS,OVAL,NND,R=F | Galaxy S0-: | F,VS,STELL |
| NGC 43 Sep 09 2010 12" | And 5.5mmN | PF,PS,R,FNUC,R=F | Galaxy SB0 | EF,*12NP 45" |
| NGC 45 Dec 12 2012 36" | Cet 17mmT4 | DIFF,PF,PS,OVAL,UB.,NND,R=F | Galaxy SA(s)dm | EF,L,VGVLBM,L*CONT F |
| NGC 47 Dec 12 2012 36" | Cet 17mmT4 | PF,PS,R,FNUC,R=F,AKA NGC-58 | Galaxy SBbc | VF,VS |
| NGC 48 Oct 12 2012 18" | And 7mm TV | PF,PS,R,UB,NND,R=F | Galaxy SABbc pec: | EEF,PL,R,V DIFFIC |
| NGC 49 Oct 12 2012 18" | And 7mm TV | VF,PS,OVAL,UB.,NND.R=F | Galaxy S0? | EEF,S,R,2ND OF3 |
| NGC 50 Dec 12 2012 36" | Cet 17mmT4 | PF,PS,R,BNUC,R=F | Galaxy S0- pec | VF |
| NGC 51 Oct 12 2012 18" | And 7mm TV | PF,PS,R,UB,NND,R=F | Galaxy S0^ pec: | PF,PS,R,BM |

Observations Listing by Catalog Number

| | | | | |
|---|--|--|--------------------------|-------------------------|
| NGC 52 Nov 02 2005 31" | Peg 19mmW | H183-3 PF,PL,EON,NND,R=F | Galaxy S? | VF,S,E |
| NGC 57 Oct 06 2004 8" | Psc 7.5mmW | H241-2 F,EL,EON,FNUC,R=F | Galaxy E | F,S,R,SBM |
| NGC 62 Nov 10 2012 18" | Cet 7mm TV | PF,VS,OVAL,UB,NND,R=F | Galaxy (R)SB(r)a: | F,VS,R,GLBM |
| NGC 63 Oct 09 2007 8" | Psc 11mmT6 | PF,PS,R,UB,NND,R=F | Galaxy S pec | PF,S,R,SBM |
| NGC 64 Nov 10 2012 18" | Cet 7mm TV | VF,VS,OVAL,UB,NND,R=F | Galaxy SB(s)bc | EEF,VS,R,VDIFFIC |
| NGC 67 Oct 12 2012 18" | And 7mm TV | VF,VS,R,UB,NND,R=F | Galaxy E: | EF,VS,R |
| NGC 68 Oct 12 2012 18" Aug 24 2012 18" | And 7mm TV 5mm TV | H16-5 VF,VS,R,UB,NND,AV2,R=P VF,PS,R,UB,NND,R=F | Galaxy SA0- | EF,L,3OR4*+NEB |
| NGC 69 Oct 12 2012 18" | And 7mm TV | VF,VS,R,UB,NND,R=F | Galaxy SB(s)0- | EF,VS,R, |
| NGC 70 Oct 12 2012 18" Aug 24 2012 18" | And 7mm TV 5mm TV | VF,S,OVAL,UB,NND,R=F VF,PS,OVAL,UB,NND,AV,R=F | Galaxy SA(rs)c | EF,VS,R,BET2F* |
| NGC 71 Oct 12 2012 18" Aug 24 2012 18" | And 7mm TV 5mm TV | VF,PS,OVAL,UB,NND,R=F PF,PS,OVAL,UB,NND,R=F | Galaxy SA0- pec: | EF,VS,R |
| NGC 72 Oct 12 2012 18" | And 7mm TV | PF,PS,R,UB,NND,R=P | Galaxy SB(rs)ab | EF,VS,R |
| NGC 72A Oct 12 2012 18" | And 7mm TV | VF,VS,R,UB,NND,R=F | Galaxy E3: | |
| NGC 74 Oct 12 2012 18" | And 7mm TV | VF,VS,OVAL,MEXT,UB,AV1,R=F | Galaxy Sb | EF,S,E,LAST OF 6 |
| NGC 76 Sep 12 2010 12" | And 7mm TV | CF,CS,OVAL,UB,NND,R=F,PA=95 | Galaxy S? | VF,S,BM |
| NGC 80 Oct 26 2014 12" Nov 08 2010 12" Oct 17 2004 8" | And 11mmT6 5.5mmN 7.5mmW | PF,PS,R,UB,NND,R=F VF,CS,R,UB,NND,AV2,R=F VF,OVAL,NND,AV,R=F | Galaxy SA0-: | F,S,R,PSBM |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|-------------------------------|-----------------------------------|----------------------------|
| NGC 83 | And | | Galaxy E | E,BIN,3B*NR |
| Oct 26 2014 12" | 11mmT6 | PF,PS,R,UB,NND,R=F | | |
| Oct 17 2004 8" | 7.5mmW | VF,OVAL,NND,AV,R=F | | |
| NGC 90 | And | | Non-Existent | |
| Oct 26 2014 12" | 11mmT6 | VF,VS,OVAL,VEXT,UB,NND,R=R | | |
| NGC 91 | And | | Galaxy S | VF,VS,*13SP |
| Nov 08 2010 12" | 5.5mmN | VF,CS,EON,UB,NND,AV3,R=F | | |
| NGC 93 | And | | Galaxy S? | VF,VS |
| Nov 08 2010 12" | 5.5mmN | VF,CS,OVAL,UB,NND,AV2,R=F | | |
| NGC 95 | Psc | H257-2 | Galaxy SAB(rs)c pec | F,PL,R,GBM |
| Nov 28 2010 12" | 7mm TV | PF,PS,OVAL,PEXT,FNUC,R=F | | |
| NGC 97 | And | | Galaxy E: | F,VS,R,GBM |
| Aug 24 2012 18" | 5mm TV | PF,PS,R,UB,NND,R=F | | |
| Sep 09 2010 12" | 5.5mmN | PF,PS,R,FNUC,R=F | | |
| NGC 103 | Cas | | Open Cluster 11.0 II 1 m | CL,PS,PC,*11...18 |
| Sep 05 2007 8" | 11mmT6 | F,S,SCATTERED STARS,R=F | | |
| NGC 108 | And | H148-3 | Galaxy (R)SB(r)0+ | PF,PL,R,PSLBM |
| Oct 17 2004 8" | 7.5mmW | VF,OVAL,NND,AV,R=F | | |
| NGC 110 | Cas | | Open Cluster 9.7 IV 1 p cl | CL,PR,LC,*9...12 |
| Oct 21 2012 8" | 11mmT6 | LARGE, LOOSE, GROUP,R=P | | |
| NGC 125 | Psc | H869-3 | Galaxy (R)SA0+ pec: | VF,S,BM,D*SP |
| Oct 09 2007 8" | 11mmT6 | PF,PS,R,NND,R=F | | |
| NGC 128 | Psc | H854-2 | Galaxy S0 pec sp | PB,PS,LE2,BM |
| Oct 09 2007 8" | 11mmT6 | PB,PS,OVAL,UB,NND,R=F | | |
| NGC 129 | Cas | H79-8 | Open Cluster 11.0 III 2 m | CL,VL,PR,LC,*9...13 |
| Oct 21 2012 8" | 11mmT6 | B,L,R=G | | |
| Nov 26 2006 1.9" | 12x50 | F,L,DIM,RESOVLE 2-3 STARS,R=F | | |
| Nov 09 2006 8" | 19mmW | 20+, LOOSE, SOME NEB. R=F | | |
| Oct 06 2004 8" | 7.5mmW | OVAL,R=G | | |
| NGC 132 | Cet | H855-2 | Galaxy SAB(s)bc | PF,CL,R,VGLBM,R |
| Nov 28 2010 12" | 7mm TV | PF,PS,OVAL,UB,NND,R=F,PA=30 | | |
| NGC 133 | Cas | | Open Cluster IV 1 p | CL,PL,*10...,D*INV |
| Sep 05 2007 8" | 11mmT6 | B,S,R=F | | |
| NGC 136 | Cas | H35-6 | Open Cluster 13.0 II 1 p | GCL,VF,S,EC |
| Nov 03 2004 8" | 11mmT6 | | | |

Observations Listing by Catalog Number

| | | | | |
|-----------------------------------|----------------------|---|---------------------------------------|-----------------------------|
| NGC 137 Oct 07 2010 12" | Psc 5.5mmN | H471-2 PF,CS,,R,UB,NND,R=F | Galaxy S0 | F,IF,LBM |
| NGC 140 Aug 24 2012 18" | And 5mm TV | VF,PS,R,UB,NND,AV3,R=P | Galaxy Scd: | VF,S,R,GBM |
| NGC 146 Sep 05 2007 8" | Cas 11mmT6 | B,S,R=F | Open Cluster 11.6 II 2 p | CL,PL,LC,*11-12,D* |
| NGC 147 Aug 21 2004 8" | Cas 11mmT6 | CLEAR SKIES - H.H. LITE. | Galaxy E5 pec 1ST REAL TEST | VF,VL,IR,GSMBM*11 |
| NGC 149 Aug 24 2012 18" | And 5mm TV | VF,VS,OVAL,UB,NND,AV3,R=P | Galaxy S0: | VF,VS,R,GBM*14,*12SP |
| NGC 151 Nov 10 2007 31" | Cet 17mmT4 | H478-2 PB,PL,OVAL,FNUC,HSB,R=G | Galaxy SBbc | PF,PL,LE90,VGLBM |
| NGC 153 Dec 16 2009 12" | Cet 7.5mmW | PF,PS,OVAL,UB,NND,R=F | Non-Existent | PF,PS,R,*NR NF |
| NGC 154 Nov 28 2010 12" | Cet 7mm TV | H467-3 CF,CS,OVAL,MEXT,UB,NND,R=F | Galaxy E | EF,VS,R |
| NGC 157 Nov 03 2004 8" | Cet 11mmT6 | H3-2 MB,EL,NND,MSB,R=G | Galaxy SAB(rs)bc | PB,L,E,BET2CB* |
| NGC 160 Oct 17 2004 8" | And 7.5mmW | H476-3 VF,EL,OVAL,NND,AV,R=F | Galaxy (R)SA0+ pec | VF,VS,STELL,*8NP4' |
| NGC 163 Nov 28 2010 12" | Cet 7mm TV | H954-3 CF,CS,R,FNUC,R=F | Galaxy E0 | VF,VS |
| NGC 165 Nov 28 2010 12" | Cet 7mm TV | DIFF,CF,PS,R,NND,R=F | Galaxy SB(rs)bc | F,L,*INCENTRE,F OF 2 |
| NGC 169 Oct 17 2004 8" | And 7.5mmW | VF,EL,NND,AV,R=F | Galaxy SA(s)ab: sp | F,PL,D ORBIN,*6NF4' |
| NGC 171 Dec 16 2009 12" | Cet 7.5mmW | H223-3 VF,PS,R,NND,R=F | Galaxy SB(r)ab | VF,PL,LE,2PB*SF |
| NGC 173 Nov 28 2010 12" | Cet 5.5mmN | H871-3 CF,PS,OVAL,UB,NND,R=F,PA=100 | Galaxy SA(rs)c | VF,S,R,VGBM,*11SP1' |
| NGC 180 Nov 28 2010 12" | Psc 7mm TV | H876-3 DIFF,CF,PS,OVAL,UB,NND,R=F | Galaxy SB(rs)bc | VF,PL,IR,*NP INV |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|--|----------------------------------|-----------------------------|
| NGC 182 | Psc | H870-3 | Galaxy (R')SAB(rs)a p: | VF,S,IR,VGBM |
| Oct 07 2010 12" | 5.5mmN | VF,VS,OVAL,UB,NND,R=F,AV-5,PA=100 | | |
| NGC 183 | And | | Galaxy E | PF,VS,R,GBM |
| Oct 17 2004 8" | 7.5mmW | VF,OVAL,NND,AV,R=F | | |
| NGC 185 | Cas | H707-2 | Galaxy E3 pec | PB,VL,IR,VGMBM,R |
| Jul 23 2006 8" | 11mmT6 | VF,PL,OVAL,NND,AV,R=F | | |
| Aug 21 2004 8" | 11mmT6 | CLEAR SKIES - H.H. LITE. 1ST REAL TEST | | |
| NGC 188 | Cep | | Open Cluster 10.0 I 2 r | CL,VL,R,150-200* |
| Jul 08 2018 12" | 17mmT4 | F,S,R=G | | |
| Oct 18 2009 12" | 11mmT6 | PF,S, R=F, TIGHT GROUP | | |
| NGC 189 | Cas | | Open Cluster 11.0 III 1 p | CL,PL,R,*11...15 |
| Dec 05 2015 12" | 17mmT4 | | | |
| Sep 05 2007 8" | 11mmT6 | F,S,R=F | | |
| NGC 191 | Cet | H479-2 | Galaxy SAB(rs)c: pec | PB,PL,IE0, |
| Nov 28 2010 12" | 7mm TV | CF,CS,R,UB,NND,R=F | | |
| NGC 192 | Cet | H872-3 | Galaxy (R')SB(r)a: | F,PS,PME,BM |
| Nov 28 2010 12" | 7mm TV | PF,PS,EON,FNUC,R=F,PA=175 | | |
| NGC 193 | Psc | H595-3 | Galaxy SAB(s)0-: | F,L,P OF2,*15CLOSESP |
| Oct 06 2004 8" | 11mmT6 | MF,EL,FNUC,R=F | | |
| NGC 194 | Psc | H856-2 | Galaxy E | PB,S,R,VGBM |
| Oct 06 2004 8" | 11mmT6 | MF,EL,NND,AV,R=F | | |
| NGC 196 | Cet | H860-2 | Galaxy SB0 pec: | F,PS,R,PSMBM |
| Nov 28 2010 12" | 7mm TV | CF,PS,OVAL,UB,NND,R=F | | |
| NGC 198 | Psc | H857-2 | Galaxy SA(r)c | F,S,VGBM |
| Nov 10 2007 31" | 17mmT4 | PB,PL,R,NND,UB,R=F | | |
| NGC 200 | Psc | H858-2 | Galaxy SB(s)bc | PB,S,VGBM |
| Nov 10 2007 31" | 17mmT4 | PB,PL,OVAL,UB,NND,R=F | | |
| NGC 201 | Cet | H873-3 | Galaxy SAB(r)c | VF,CL,E,VGLBM |
| Nov 28 2010 12" | 7mm TV | CF,PS,OVAL,UB,NND,R=F,AV1 | | |

Observations Listing by Catalog Number

| NGC | 205 | And | M110 H18-5 | Galaxy E5 pec | VB,VL,ME165,VGVMBM |
|------------|------------------|------------|-------------------------------------|------------------------|-----------------------------|
| | Jan 25 2018 12" | 11mmT6 | NICE OBJECT | | |
| | Sep 02 2016 12" | 35mm A | SUPER | | |
| | Dec 05 2015 12" | 17mmT4 | | | |
| | Aug 21 2015 12" | 8mm Ds | | | |
| | Oct 26 2014 12" | 22mmAT | EYE CANDY | | |
| | Jul 13 2013 18" | 35mm A | MORE EYE CANDY | | |
| | Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| | Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| | Aug 31 2010 12" | 17mmAT | NIGHT ENDING EYE CANDY | | |
| | Mar 08 2010 12" | 32mmUW | M.M. 2010 MANUAL SETTING CIRCLES | | |
| | Dec 16 2009 12" | 20mmUW | | | |
| | Mar 20 2009 1.9" | 12x50 | MESSIER MARATHON - 2009 | | |
| | Aug 20 2006 1.9" | 12x50 | B,L,OVAL,UB,NND,R=G | | |
| | Mar 19 2006 8" | 25mmPL | PB,ML,OVALFNUC,HISB,R=G | | |
| | Oct 27 2004 31" | 31mmT5 | VB,ML,OVALL,HISB,R=E, LUNAR ECLIPSE | | |
| | Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| | Dec 26 2003 8" | 25mmPL | Q/M COLD | | |
| NGC | 206 | And | H36-5 | Knot in Galaxy | VF,VL,ME0 |
| | Nov 10 2007 31" | 17mmT4 | DIFF,PF,CL,R=F,IRREGULAR SHAPE. | | |
| NGC | 210 | Cet | H452-2 | Galaxy SAB(s)b | B,PS,R,PSBM,R,*11P2' |
| | Dec 16 2009 12" | 7.5mmW | PF,PS,OVAL,UB,NND,R=F | | |
| NGC | 214 | And | H209-2 | Galaxy SAB(r)c | PF,PS,GVLBM,R |
| | Oct 05 2016 12" | 8mm Et | PF,S,R,UB,NND,R=G. MIRACH'S GHOST | | |
| | Nov 03 2004 8" | 11mmT6 | VF,EL,NND,AV,R=F | | |
| NGC | 216 | Cet | H244-3 | Galaxy S0^? sp | EF,VS,LE |
| | Nov 28 2010 12" | 7mm TV | PF,CS,EON,UB,NND,R=F,PA=45 | | |
| NGC | 217 | Cet | H480-2 | Galaxy S0/a: sp | F,S,LE90,GLBM |
| | Nov 10 2007 31" | 17mmT4 | PB,PS,EON,FNUC,R=G | | |

Observations Listing by Catalog Number

| NGC | 221 | And | M32 | Galaxy cE2 | VVB,L,R,PSMBMN |
|-------------|------|--------|------------------------------------|------------|----------------|
| Jan 25 2018 | 12" | 11mmT6 | NICE OBJECT | | |
| Sep 02 2016 | 12" | 35mm A | SUPER | | |
| Dec 05 2015 | 12" | 17mmT4 | | | |
| Aug 21 2015 | 12" | 35mm A | | | |
| Oct 26 2014 | 12" | 22mmAT | EYE CANDY | | |
| Jul 13 2013 | 18" | 35mm A | MORE EYE CANDY | | |
| Oct 21 2012 | 8" | 11mmT6 | PB,LOOKED PRETTY GOOD | | |
| Mar 16 2012 | 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 | 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Aug 31 2010 | 12" | 17mmAT | NIGHT ENDING EYE CANDY | | |
| Mar 08 2010 | 12" | 32mmUW | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Dec 16 2009 | 12" | 20mmUW | | | |
| Mar 20 2009 | 1.9" | 12x50 | MESSIER MARATHON - 2009 | | |
| Oct 29 2008 | 16" | 20mmUW | LARGE,BRIGHT,R=E | | |
| Oct 29 2006 | 8" | 19mmW | F,VS,OVAL,UB,NND,R=G | | |
| Aug 20 2006 | 1.9" | 12x50 | B,S,OVAL,NND,R=F | | |
| Mar 19 2006 | 8" | 25mmPL | B,S,OVAL,OVAL,R,ND,R=F | | |
| Oct 27 2004 | 31" | 31mmT5 | VB,ML,EL,HISB,R=E, LUNAR ECLIPSE | | |
| Mar 19 2004 | 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Dec 26 2003 | 8" | 25mmPL | Q/M COLD | | |

| NGC | 224 | And | M31 | Galaxy SA(s)b | EEB,EL,VME,ANDROMEDA 17 |
|-------------|------|--------|---|---------------|-------------------------|
| Jan 25 2018 | 12" | 35mm A | NICE OBJECT | | |
| Sep 02 2016 | 12" | 35mm A | BEAUTIFUL | | |
| Dec 05 2015 | 12" | 17mmT4 | | | |
| Sep 10 2015 | 36" | 17mmT4 | ALWAYS A TREAT | | |
| Aug 21 2015 | 12" | 35mm A | ANDROMEDA | | |
| Oct 26 2014 | 12" | 22mmAT | EYE CANDY | | |
| Jul 13 2013 | 18" | 35mm A | MORE EYE CANDY | | |
| Oct 21 2012 | 8" | 25mmPL | ALWAYS GREAT | | |
| Mar 16 2012 | 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 | 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Aug 31 2010 | 12" | 22mmAT | NIGHT ENDING EYE CANDY | | |
| Mar 08 2010 | 12" | 32mmUW | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Dec 16 2009 | 12" | 20mmUW | | | |
| Sep 13 2009 | 12" | 32mmUW | 4TH OBJECT | | |
| Mar 20 2009 | 1.9" | 12x50 | MESSIER MARATHON - 2009 | | |
| Oct 29 2008 | 16" | 20mmUW | SMALL,BRIGHT,R=E | | |
| Oct 09 2007 | 8" | 19mmW | VB,VL,OVAL,BNUC,VHISB,R=E | | |
| Oct 29 2006 | 8" | 19mmW | VB,VL,OVAL,MBNUC,VHISB,R=E | | |
| Aug 20 2006 | 1.9" | 12x50 | VB,VL,OVAL,BNUC,HISB,R=E!! | | |
| Mar 19 2006 | 8" | 25mmPL | VB,VL,OVAL,BNUC,VHISB,R=E | | |
| Oct 27 2004 | 1.9" | 12x50 | FIRST MESSIER IN BINOCULARS - VERY NICE | | |
| Oct 27 2004 | 31" | 31mmT5 | VB,EL,EL,OVAL,HISB,R=E, LUNAR ECLIPSE | | |
| Mar 19 2004 | 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Dec 26 2003 | 8" | 25mmPL | Q/M COLD | | |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|--|-----------------------------------|-----------------------------|
| NGC 225 | Cas | H78-8 | Open Cluster 9.3 III 1 p n | CL,L,LC,*9...10 |
| Jul 08 2018 12" | 17mmT4 | B,S,R=G | | |
| Sep 24 2016 12" | 11mmT6 | B,L,R=F. | SAILBOAT CLUSTER | |
| Dec 05 2015 12" | 17mmT4 | | | |
| Oct 21 2012 8" | 11mmT6 | PF,PS,STARS=22-30,R=G | | |
| Sep 15 2004 8" | 11mmT6 | LIGHT CLOUDS IN & OUT | | |
| NGC 226 | And | | Galaxy S? | EF,S,R,*13S20" |
| Aug 24 2012 18" | 5mm TV | PF,VS,OVAL,UB,NND,R=F | | |
| NGC 227 | Cet | H444-2 | Galaxy S0- pec: | F,PL,LBM |
| Nov 28 2010 12" | 5.5mmN | DIFF,VF,PS,OVAL,UB,NND,R=F,AV3 | | |
| NGC 228 | And | | Galaxy (R)SB(r)ab | EF,S,R,FAINTER OF 2 |
| Aug 24 2012 18" | 5mm TV | PF,PS,OVAL,EEXT,FNUC,R=F | | |
| NGC 229 | And | | Galaxy Sab | VF,S,R,SMALLER OF 2 |
| Aug 24 2012 18" | 5mm TV | DIFF,VF,PS,R,UB,NND,R=F | | |
| NGC 233 | And | H149-3 | Galaxy E? | F,VS,R,LBM |
| Sep 09 2010 12" | 5.5mmN | PF,PS,R,FNUC,R=F | | |
| NGC 234 | Psc | H245-2 | Galaxy SAB(rs)c | F,PS,ILE,BM |
| Nov 28 2010 12" | 7mm TV | DIFF,VF,CS,R,UB,NND,R=F,AV2 | | |
| NGC 243 | And | | Galaxy S0? | F,VS,R,GBM,*10P |
| Aug 24 2012 18" | 5mm TV | PF,VS,OVAL,UB,NND,R=F | | |
| NGC 244 | Cet | H485-3 | Galaxy S0 pec? | VF,S,IR,R,*10S5' |
| Nov 28 2010 12" | 7mm TV | PF,CS,OVAL,FNUC,R=F,PA=45 | | |
| NGC 245 | Cet | H445-2 | Galaxy SA(rs)b pec? | F,PS,IF,ER |
| Nov 28 2010 12" | 7mm TV | PF,PS,OVAL,FNUC,R=F,PA=125 | | |
| NGC 246 | Psc | H25-5 | Planetary Neb 3b | VF,L,4*IN DIF NEB |
| Nov 28 2010 12" | 7mm TV | PF,PS,R=F,IRREGULAR SHAPE, NO CENTRAL STAR, OIII HELPS | | |
| Nov 21 2006 8" | 11mmT6 | F,L,R,R=G | | |
| NGC 247 | Cet | H20-5 | Galaxy SAB(s)d | F,EL,VME172 |
| Nov 21 2006 8" | 19mmW | F,L,EON,NND,R=F | | |
| NGC 251 | Psc | H204-3 | Galaxy Sc | VF,S,R,LBM,*INV,2S*F |
| Nov 28 2010 12" | 7mm TV | DIFF,CF,CS,OVAL,UB,NND,R=F | | |
| NGC 252 | And | H609-2 | Galaxy (R)SA(r)0+: | PB,S,R,PMBM,R,**P |
| Aug 24 2012 18" | 5mm TV | PF,PS,OVAL,FNUC,R=F | | |
| Sep 09 2010 12" | 5.5mmN | PF,PS,OVAL,FNUC,MSB,R=F,PA=130 | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|--|----------------------------------|-----------------------------|
| NGC 253 | ScI | H1-5 | Galaxy SAB(s)c | VVB,VVL,VME54,GBM |
| Nov 04 2007 1.9" | 12x50 | PB,PL,EL,OVAL,UB,ND,R=G | | |
| Nov 21 2006 8" | 11mmT6 | B,PL,EON,NND,R=G | | |
| NGC 255 | Cet | H472-2 | Galaxy SAB(rs)bc | F,PS,R,GBM |
| Nov 28 2010 12" | 7mm TV | PF,PS,R,FNUC,R=F | | |
| NGC 257 | Psc | H863-2 | Galaxy Scd: | PL,LE,GBM,R |
| Nov 28 2010 12" | 7mm TV | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 258 | And | | Galaxy Sb | EF,S,VF*CLOSE |
| Aug 24 2012 18" | 5mm TV | PF,VS,OVAL,UB,NND,R=F | | |
| NGC 259 | Cet | H621-2 | Galaxy Sbc: sp | F,S,E135,LBM |
| Nov 28 2010 12" | 7mm TV | CF,CS,EON,UB,NND,R=F,AV1,PA=160 | | |
| NGC 260 | And | | Galaxy Scd pec: | EF,PS,LE |
| Aug 24 2012 18" | 5mm TV | VF,VS,R,NND,AV2,R=P | | |
| NGC 262 | And | | Galaxy SA(s)0/a: | EF,VS,R,V DIFFIC |
| Oct 30 2005 31" | 17mmT4 | MF,ML,R,NND,R=F | | |
| NGC 266 | Psc | H153-3 | Galaxy SB(rs)ab | PB,PS,LE,PSBM,*8SF4' |
| Oct 09 2007 8" | 11mmT6 | VF,PS,R,NND,AV,R=F | | |
| NGC 268 | Cet | H463-3 | Galaxy SB(s)bc: | VF,PS,ILE,R |
| Nov 28 2010 12" | 7mm TV | PF,CS,OVAL,UB,NND,R=F,PA=35 | | |
| NGC 270 | Cet | H955-3 | Galaxy S0+ | PF,VS,IR,PGBM |
| Nov 28 2010 12" | 7mm TV | PF,PS,OVAL,FNUC,R=F,PA=15 | | |
| NGC 271 | Cet | H446-2 | Galaxy (R')SB(rs)ab | PF,S,LE,PSBM,*8F5S |
| Nov 28 2010 12" | 7mm TV | CF,CS,OVAL,UB,NND,R=F,AV1 | | |
| NGC 272 | And | | Open Cluster 9.0 asterism | CL,L,LC |
| Nov 08 2010 12" | 5.5mmN | PF,VS,R=F,FISHHOOK | | |
| NGC 274 | Cet | H429-3 | Galaxy SAB(r)0- pec | PB,PS,SMBM,NP OF2 |
| Nov 28 2010 12" | 7mm TV | PF,PS,R,FNUC,R=F,PAIRED W/NGC-275 | | |
| NGC 275 | Cet | | Galaxy SB(rs)cd pec | VF,S,R,SF OF 2 |
| Nov 28 2010 12" | 7mm TV | PF,PS,OVAL,UB,NND,R=F,PAIRED W/NGC-274 | | |
| NGC 278 | Cas | H159-1 | Galaxy SAB(rs)b | CB,PL,R,2*10NR |
| Oct 05 2016 12" | 11mmT6 | F,S,FNUC,R=G | | |
| Jul 23 2006 8" | 11mmT6 | PF,CS,R,NND,R=F | | |
| Aug 21 2004 8" | 11mmT6 | CLEAR SKIES - H.H. LITE. 1ST REAL TEST | | |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|-------------------------------|----------------------------------|----------------------------|
| NGC 281 | Cas | | Nebula E | F,VL,DIF,STRIP*NP |
| Sep 24 2016 12" | 17mmT4 | B,L,R=G. | NEEDS OIII. | |
| Dec 05 2015 12" | 17mmT4 | | | |
| Aug 21 2015 12" | 8mm Ds | LP2 FILTER | | |
| Oct 26 2014 12" | 17mmT4 | PAC-MAN NEBULA. | GREAT W/OIII FILTER | |
| Oct 07 2010 12" | 17mmAT | F,L,R=G,OIII FILTER, | PAC MAN | |
| Sep 15 2004 8" | 11mmT6 | NEBULA NOT SEEN! | | |
| NGC 288 | ScI | H20-6 | Globular | GCL,B,L,LE,*12...16 |
| Oct 09 2007 8" | 11mmT6 | PB,PL,SMUDGE, | RESOLVED NO STARS,R=G | |
| NGC 315 | Psc | H210-2 | Galaxy E+: | PB,PL,R,GBM,*9NF3' |
| Oct 09 2007 8" | 11mmT6 | PF,PS,OVAL,NND,R=F | | |
| NGC 317B | And | | Galaxy SB? | |
| Nov 10 2012 18" | 7mm TV | VF,VS,PEXT,UB,NND,R=F | | |
| NGC 337 | Cet | H433-2 | Galaxy SB(s)d | PF,L,E,GLBM,*10F21S |
| Nov 10 2007 31" | 17mmT4 | PB,PL,OVAL,UB,NND,R=G | | |
| NGC 337A | Cet | | Galaxy SAB(s)dm | |
| Nov 10 2007 31" | 17mmT4 | DIFF,PF,CL,OVAL,NND,R=F | | |
| NGC 355 | Cet | | Galaxy SB0^ pec: | EF,VS |
| Nov 10 2007 31" | 17mmT4 | PF,PS,EON,NND,AV,R=F | | |
| NGC 357 | Cet | H434-2 | Galaxy SB(r)0/a: | F,S,IR,SBM,*14NF20" |
| Nov 10 2007 31" | 17mmT4 | PB,PS,OVAL,BNUC,R=G | | |
| NGC 366 | Cas | | Open Cluster 10.0 II 3 m | CL,S |
| Oct 24 2012 8" | 11mmT6 | SMALL,FAINT,STARS=6+,R=P | | |
| NGC 381 | Cas | H64-8 | Open Cluster 10.0 III 1 m | CL,PC |
| Sep 15 2004 8" | 11mmT6 | LIGHT CLOUDS IN & OUT | | |
| NGC 393 | And | H54-1 | Galaxy S0-: | F,VS,VLE,GBM,4S*NR |
| Sep 09 2010 12" | 5.5mmN | PF,PS,OVAL,FNUC,MSB,R=G,PA=75 | | |
| NGC 404 | And | H224-2 | Galaxy SA(s)0-: | PB,CL,R,GBM, |
| Oct 05 2016 12" | 8mm Et | PF,S,R,UB,NND,R=F | | |
| Dec 01 2004 31" | 11mmT6 | MB,OVAL,FNUC,MSB,R=G, | SOLO EFFORT | |
| Oct 06 2004 8" | 7.5mmW | VB,EL,OVAL,FNUC,R=G | | |
| NGC 410 | Psc | H220-2 | Galaxy E+: | PB,PL,NF OF 2 |
| Oct 09 2007 8" | 11mmT6 | CF,CS,OVAL,NND,R=F | | |
| NGC 425 | And | | Galaxy S? | VF,VS,R,LBM,*11ATT |
| Nov 08 2010 12" | 5.5mmN | VF,CS,R,UB,NND,AV1,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|--|--|--|---------------------------------|----------------------------|
| NGC 428 Nov 10 2007 31" | Cet 17mmT4 | H622-2 PB,PL,OVAL,UB,NND,R=G | Galaxy SAB(s)m | F,L,R,BM,ER |
| NGC 433 Oct 24 2012 8" | Cas 11mmT6 | VS,VF,R=P | Open Cluster 9.0 III 2 p | CL,S,LC |
| NGC 436 Oct 21 2012 8" Nov 26 2006 1.9" Sep 19 2004 8" | Cas 11mmT6 12x50 7.5mmW | H45-7 PF,PS,STARS=12-15,R=F F,PS,DIM PATCH,R=F TYPICAL CLUSTER | Open Cluster 10.0 I 2 m | CL,S,IF,PC |
| NGC 451 Oct 12 2012 18" | Psc 7mm TV | PF,PS,OVAL,UB,NND,R=F | Galaxy S? | VF,VS,R,VLBM |
| NGC 457 Sep 24 2016 12" Dec 05 2015 12" Oct 21 2012 8" Nov 26 2006 1.9" Nov 09 2006 8" Jul 23 2006 8" Dec 31 2003 8" | Cas 11mmT6 17mmT4 11mmT6 12x50 19mmW 7.5mmW 25mmPL | H42-7 B,L,R=G. OWL CLUSTER E.T. CLUSTER. AKA OWL CLUSTER F,S,STARS=50-60,R=G F,L,DIM,PATCHY,R=F 30+,CROSS SHAPED,R=F CB,PL,R=G,EXTENDED GROUP H/M COLD | Open Cluster 8.6 II 3 r | CL,B,L,PRI,*7,8,10 |
| NGC 467 Oct 09 2007 8" | Psc 11mmT6 | H108-1 PF,VS,R,NND,R=F | Galaxy SA(s)0^ pec? | PB,PL,R,GBM |
| NGC 469 Oct 18 2009 12" | Psc 11mmT6 | VF,VS,OVAL,NND,AV,R=F | Galaxy S | EF,S,R |
| NGC 470 Oct 09 2007 8" | Psc 11mmT6 | H250-3 PB,PS,OVAL,NND,R=F | Galaxy SA(rs)b | PB,L,IR |
| NGC 474 Oct 09 2007 8" | Psc 11mmT6 | H251-3 PF,PL,R,NND,R=F | Galaxy SA(s)0^ | PB,S,SMBM,F OF 2 |
| NGC 477 Oct 30 2005 31" | And 17mmT4 | H577-3 MF,ML,OVAL,NND,R=F | Galaxy SAB(s)c | VF,PS,VLE,VGLBM |
| NGC 488 Nov 21 2006 8" Aug 21 2004 8" | Psc 11mmT6 11mmT6 | H252-3 B,L,OVAL,FNUC,R=F CLEAR SKIES - H.H. LITE. 1ST REAL TEST | Galaxy SA(r)b | PB,L,R,SVMBM,*8F10' |
| NGC 495 Nov 10 2007 31" | Psc 17mmT4 | H156-3 PB,S,OVAL,BNUC,R=F | Galaxy (R')SB(s)0/a p: | VF,S,1ST OF 3 |
| NGC 496 Nov 10 2007 31" | Psc 17mmT4 | H157-3 PF,PL,OVAL,UB,NND,R=F | Galaxy Sbc | VF,VS,2ND OF 3 |

Observations Listing by Catalog Number

| | | | | |
|---|--|--|------------------------|---------------------------|
| NGC 499 Nov 10 2007 31" | Psc 17mmT4 | H158-3 PB,PL,OVAL,BNUC,HSB,R=G | Galaxy S0- | PB,PL,R,3RD OF 3 |
| NGC 507 Oct 30 2005 31" | Psc 17mmT4 | H159-3 VB,VL,R,FNUC,MSB,R=G | Galaxy SA(r)0^ | VF,PL,R,BM,S OF 2 |
| NGC 508 Oct 30 2005 31" | Psc 17mmT4 | H160-3 VB,VL,R,FNUC,MSB,R=G | Galaxy E0: | VF,S,N OF 2 |
| NGC 513 Nov 10 2007 31" | And 17mmT4 | H169-3 PB,PS,OVAL,FNUC,R=F | Galaxy S? | F,S,STELLAR |
| NGC 514 Oct 09 2007 8" | Psc 11mmT6 | H252-2 DIF,PF,PS,OVAL,NND,AV,R=F | Galaxy SAB(rs)c | F,L,LE,VGLBM,**F |
| NGC 520 Oct 09 2007 8" | Psc 11mmT6 | H253-3 PB,PL,EL,OVAL,NND,R=F | Galaxy Pec | F,CL,E137 |
| NGC 522 Dec 12 2012 36" | Psc 17mmT4 | H252-2 PF,PS,,EON,UB,NND,R=G,PA=45,SLIGHT BULGE | Galaxy Sbc: sp | EF,PL,IF,(CL+NEB) |
| NGC 523 Nov 08 2010 12" | And 5.5mmN | H170-3 CF,CS,EON,UB,NND,AV1,R=F | Galaxy Pec | DNEB,VF,VS,DIST30" |
| NGC 524 Nov 21 2006 8" Aug 21 2004 8" | Psc 11mmT6 11mmT6 | H151-1 PF,S,R,NND,R=F CLEAR SKIES - H.H. LITE. 1ST REAL TEST | Galaxy SA(rs)0+ | VB,PL,MBM,4S*NR |
| NGC 525 Dec 12 2012 36" | Psc 17mmT4 | H252-2 PF,PS,OVAL,MEXT,UB,NND,R=F | Galaxy S0 | VF,VS,*11.12P5S |
| NGC 528 Sep 12 2010 12" | And 5.5mmN | H170-3 PF,CS,OVAL,MEXT,FNUC,R=F,PA=90 | Galaxy S0 | F,PL,R,LBM |
| NGC 529 Dec 01 2004 31" Nov 03 2004 8" Oct 17 2004 8" | And 11mmT6 11mmT6 7.5mmW | H151-1 MB,EL,FNUC,MSB,R=G, SOLO EFFORT VF,OVAL,NND,AV,R=F MF,OVAL,NND,AV,R=F | Galaxy S0-: | PB,VS,SBM,P OF 2 |
| NGC 531 Dec 01 2004 31" | And 11mmT6 | H151-1 MB,EL,PATCH,NND,R=G, SOLO EFFORT | Galaxy SB0/a: | F,S,R |
| NGC 536 Dec 01 2004 31" Nov 03 2004 8" Oct 17 2004 8" | And 11mmT6 11mmT6 7.5mmW | H171-3 MB,OVAL,FNUC,MSB,R=G, SOLO EFFORT VF,EL,NND,AV,R=F VF,EL,NND,AV,R=F | Galaxy SB(r)b | PB,PL,GBM,F OF 2 |
| NGC 551 Sep 12 2010 12" | And 5.5mmN | H560-3 VF,PS,EON,NND,AF,R=P,PA=175 | Galaxy SBbc | VF,S,E,VGLBM,*13NR |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|---|--------------------------------|-----------------------------|
| NGC 559 | Cas | H48-7 | Open Cluster 9.0 I 1 m | CL,B,PL,PRI |
| Oct 21 2012 8" | 11mmT6 | B,S,V-SHAPE W/V-TOWARDSNE,SOME NEBULOSITY NOTED,R=G | | |
| Oct 06 2004 8" | 7.5mmW | HISB,R=F | | |
| NGC 561 | And | | Galaxy (R)SB(s)a | EF,PL,R |
| Oct 07 2010 12" | 5.5mmN | CF,PS,R,UB,NND,R=F | | |
| NGC 581 | Cas | M103 | Open Cluster 9.0 II 2 m | CL,PL,B,R,RI,*10..11 |
| Dec 05 2015 12" | 17mmT4 | | | |
| Oct 21 2012 8" | 11mmT6 | B,S,R=G | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Aug 31 2010 12" | 17mmAT | NIGHT ENDING EYE CANDY | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Aug 20 2006 1.9" | 12x50 | PB,PL,R=G | | |
| Mar 19 2006 8" | 25mmPL | PB,FL,OVAL,R=G. BRIGHTER STARS | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Dec 26 2003 8" | 25mmPL | Q/M COLD | | |
| NGC 584 | Cet | H100-1 | Galaxy E4 | VB,PL,R,MBM,P OF 2 |
| Nov 21 2006 8" | 11mmT6 | B,PS,OVAL,FNUC,R=G | | |
| NGC 590 | And | | Galaxy SBa | F,VS,(RR) |
| Nov 08 2010 12" | 5.5mmN | CF,PS,OVAL,PEXT,UB,NND,R=F,PA=30 | | |
| NGC 591 | And | | Galaxy (R')SB0/a | EF,PS,R,LBM,B*SF |
| Nov 08 2010 12" | 5.5mmN | PF,CS,R,UB,NND,R=F | | |
| NGC 596 | Cet | H4-2 | Galaxy E+ pec: | PB,R,BM,R,*6F12' |
| Nov 21 2006 8" | 11mmT6 | F,PS,OVAL,FNUC,R=G | | |
| NGC 598 | Tri | M33 H17-5 | Galaxy SA(s)cd | EB,EL,R,VGBMN 6 |
| Aug 21 2015 12" | 35mm A | | | |
| Oct 26 2014 12" | 22mmAT | EYE CANDY | | |
| Oct 21 2012 8" | 25mmPL | LARGE AND FAINT AS ALWAYS | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 32mmUW | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 1.9" | 12x50 | MESSIER MARATHON - 2009 | | |
| Oct 29 2008 16" | 20mmUW | LARGE, DIFFUSE PATCH | | |
| Mar 17 2007 8" | 25mmPL | M.M. BETWEEN CLOUDS | | |
| Mar 19 2006 8" | 19mmW | DIFF,L,F,OVAL,NND,R=F | | |
| Oct 31 2004 1.9" | 12x50 | VB,ML,EON,LSB,R=G | | |
| Oct 27 2004 31" | 31mmT5 | VB,ML,OVAL,HISB,R=E, LUNAR ECLIPSE | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Dec 26 2003 8" | 25mmPL | Q/M COLD | | |
| NGC 600 | Cet | H432-3 | Galaxy (R')SB(rs)d | EEF |
| Nov 21 2006 8" | 11mmT6 | F,S,R,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|--|---|--|---------------------------------|-----------------------------|
| NGC 604 Nov 10 2007 31" | Tri 17mmT4 | H150-3 VB,PS,COMPACT RECTANGULAR,R=G | Knot in Galaxy | B,VS,R,VVLBM |
| NGC 605 Oct 07 2010 12" | And 5.5mmN | CF,PS,OVAL,MEXT,UB,NND,R=F,PA=10 | Galaxy S0 | VF,VS,R,BM |
| NGC 608 Nov 24 2006 31" | Tri 20mmUW | B,S,OVAL,NND,R=G | Galaxy S? | VF,PSBM,STELLAR |
| NGC 609 Sep 05 2007 8" | Cas 11mmT6 | F,S,SCATTERED STARS,R=F | Open Cluster 14.0 II 3 r | CL,S,PRI,*14... |
| NGC 613 Oct 09 2007 8" | ScI 11mmT6 | H281-1 PB,PL,OVAL,FNUC,R=G | Galaxy SB(rs)bc | VB,VL,VME118,SBM,*NF |
| NGC 614 Nov 24 2006 31" | Tri 20mmUW | H174-3 PB,O,R,FNUC,R=G | Galaxy S0? | PF,PSBM,STELLAR |
| NGC 615 Nov 21 2006 8" | Cet 11mmT6 | H282-2 VF,VS,OVAL,NND,R=F | Galaxy SA(rs)b | PB,PL,ILE,GBM,*8NP10 |
| NGC 620 Oct 07 2010 12" | And 5.5mmN | CF,PS,R,UB,NND,R=F,AV-1 | Galaxy Pec | EF,VS,R,LBM |
| NGC 621 Nov 24 2006 31" | Tri 20mmUW | PB,L,R,NND,R=F | Galaxy SB0 | VF,ES,R,BMN |
| NGC 628 Mar 01 2011 12" Mar 08 2010 12" Oct 29 2006 1.9" Oct 06 2004 8" Mar 19 2004 8" | Psc 17mmAT 11mmT6 12x50 11mmT6 25mmPL | M74 M.M. 2011 - MANUAL SETTING CIRCLES M.M. 2010 MANUAL SETTING CIRCLES B,CS,OVAL,FNUC,R=G F,PL,R,NND,R=G 2004 MESSIER MARATHON - ARGO NAVIS | Galaxy SA(s)c | GCL,F,VL,R,VG,PSMBM |
| NGC 634 Nov 24 2006 31" | Tri 20mmUW | CB,CL,OVAL,FNUC,USB,R=G | Galaxy Sa | EF,ES,SEVF*INV |
| NGC 636 Nov 10 2007 31" | Cet 17mmT4 | H283-2 PB,PS,OVAL,BNUC,R=G | Galaxy E3 | PB,VS,R,MBM,R |
| NGC 637 Oct 21 2012 8" Oct 06 2004 8" | Cas 11mmT6 7.5mmW | H49-7 B,S,Y-SHAPED STARS=10-12,SOME NEBULOSITY NOTED,R=G R=F, NOT MANY STARS | Open Cluster 8.0 I 2 m | CL,PS,B\$VF ST |

Observations Listing by Catalog Number

| NGC | 650 | Per | M76 | H193-1 | Planetary Neb 3+6 | VB,P OF DNEB |
|------------|------------------|------------|------------------------------------|---------------------------------|--------------------------|---------------------|
| | Mar 16 2012 18" | 17mmAT | 2012 M.M. | | | |
| | Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | | |
| | Mar 08 2010 12" | 11mmT6 | M.M. 2010 MANUAL SETTING CIRCLES | | | |
| | Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | | |
| | Oct 01 2006 1.9" | 12x50 | PF,PS,R,R=F | | | |
| | Jul 24 2006 8" | 11mmT6 | PF,L,R,R=G | | | |
| | Mar 19 2006 8" | 19mmW | PF,L,VLE,R=G | | | |
| | Dec 01 2004 31" | 11mmT6 | VB,HISB,R=E, SOLO EFFORT | | | |
| | Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | | |
| | Dec 26 2003 8" | 25mmPL | Q/M COLD | | | |
| NGC | 654 | Cas | H46-7 | Open Cluster 10.0 II 2 r | CL,IF,RI,1*6.7, | |
| | Oct 21 2012 8" | 11mmT6 | F,S,LOOSE,STARS=15-20,R=F | | | |
| | Sep 15 2004 8" | 11mmT6 | FEWER STARS | | | |
| NGC | 657 | Cas | | Open Cluster 7.1 | CL,PRI,ST12 | |
| | Oct 24 2012 8" | 11mmT6 | VS,VF,R=P | | | |
| NGC | 659 | Cas | H65-8 | Open Cluster 10.0 I 2 m | CL,LRI,ST B | |
| | Oct 21 2012 8" | 11mmT6 | PF,PS,STARS=10-12,R=F | | | |
| | Sep 15 2004 8" | 11mmT6 | SMALLEST OF THREE IN GROUP | | | |
| NGC | 660 | Psc | H253-2 | Galaxy SB(s)a pec | PB,PL,E,BM,R | |
| | Oct 09 2007 8" | 11mmT6 | PF,PL,EL,OVAL,NND,R=F | | | |
| NGC | 661 | Tri | H610-2 | Galaxy E+: | F,S,R,BM,R | |
| | Nov 24 2006 31" | 20mmUW | VB,CL,OVAL,BNUC,R=G | | | |
| NGC | 663 | Cas | H31-6 | Open Cluster 9.0 II 3 r | CL,B,L,ERI,ST PL | |
| | Dec 05 2015 12" | 17mmT4 | | | | |
| | Aug 21 2015 12" | 8mm Ds | | | | |
| | Oct 21 2012 8" | 11mmT6 | B,L,LOOSE,STGARS=40-60,R=G | | | |
| | Nov 26 2006 1.9" | 12x50 | F,CS,PATCHY,R=F | | | |
| | Nov 09 2006 8" | 19mmW | LOOSE, CLUSTERED SOUTHERN HALF,R=F | | | |
| | Sep 15 2004 8" | 11mmT6 | NICE - LOTS OF STARS | | | |
| NGC | 665 | Psc | H588-2 | Galaxy (R)S0^? | F,S,LE,BM,R | |
| | Nov 10 2007 31" | 17mmT4 | PB,PL,OVAL,BNUC,R=G | | | |
| | Nov 10 2007 31" | 17mmT4 | PB,PL,OVAL,BNUC,R=G | | | |
| NGC | 666 | Tri | | Galaxy S? | VF*IN EF,ES NEBY | |
| | Nov 24 2006 31" | 20mmUW | PB,CL,OVAL,FNUC,R=G | | | |
| NGC | 668 | And | | Galaxy Sb | PF,PS,R,GBM | |
| | Oct 07 2010 12" | 5.5mmN | CF,PS,OVAL,MEXT,UB,NND,R=F,PA=70 | | | |
| NGC | 669 | Tri | | Galaxy Sab | PF,PL,ME,GBM | |
| | Nov 24 2006 31" | 20mmUW | PB,L,EON,B,FNUC,R=G | | | |

Observations Listing by Catalog Number

| | | | | |
|---|--|--|----------------------------|---------------------------|
| NGC 670 Nov 24 2006 31" | Tri 20mmUW | H611-2 PB,CL,EON,FNUC,R=G | Galaxy SA0 | F,S,LE |
| NGC 672 Oct 29 2008 16" Nov 10 2007 31" Nov 24 2006 31" Nov 09 2004 8" | Tri 17mmT4 17mmT4 20mmUW 11mmT6 | H157-1 PF,PS,EON,FNUC,R=F PB,CL,EON,UB,NND,R=G B,PL,EON,UB,NND,R=F VF,EL,NND,AV,R=F | Galaxy SB(s)cd | F,PL ,ME80 |
| NGC 676 Oct 09 2007 8" | Psc 11mmT6 | H42-4 PF,PS,EON,NND,AV,R=F | Galaxy S0/a: sp | VF,E161,SBM*9 |
| NGC 679 Oct 07 2010 12" | And 5.5mmN | H175-3 PF,PS,R,FNUC,R=F | Galaxy S0-: | F,STELLAR |
| NGC 680 Nov 21 2006 8" | Ari 11mmT6 | H229-2 PF,S,OVAL,NND,R=F | Galaxy E+ pec: | PB,S,IR,MBM,F OF 2 |
| NGC 684 Nov 24 2006 31" | Tri 20mmUW | H612-2 CB,CL,EON,UB,FNUC,R=G | Galaxy Sb sp | F,VLE,*13F100" |
| NGC 687 Oct 07 2010 12" | And 7mm TV | H561-3 CF,PS,R,UB,NND,R=F | Galaxy S0 | VF,STELLAR |
| NGC 688 Nov 24 2006 31" | Tri 20mmUW | H612-2 PF,PL,OVAL,UB,NND,R=F | Galaxy (R')SAB(rs)b | VF,VS,(RESOLVABLE) |
| NGC 691 Sep 04 2005 8" | Ari 7.5mmW | H617-2 VF,VS,OVAL,NND,AV,R=F | Galaxy SA(rs)bc | F,CL,VGLBM |
| NGC 697 Sep 04 2005 8" | Ari 11mmT6 | H179-3 VF,VS,EL,NND,AV,R=F | Galaxy SAB(r)c: | F,CL,E,MBM |
| NGC 703 Oct 07 2010 12" | And 7mm TV | H562-3 CF,PS,OVAL,NND,R=F,PA=90 | Galaxy S0-: | VF,VS,R,1ST OF 4 |
| NGC 704 Oct 07 2010 12" | And 7mm TV | H563-3 CF,CS,R,UB,NND,R=F | Galaxy S0 | VF,VS,R,2ND OF 4 |
| NGC 706 Nov 10 2007 31" | Psc 17mmT4 | H596-2 PF,PL,OVAL,UB,NND,R=F | Galaxy Sbc? | F,S,BM,*13N1' |
| NGC 708 Oct 07 2010 12" | And 7mm TV | H565-3 PF,PS,R,NND,R=F | Galaxy E | F,PL,BM,4TH OF 4 |
| NGC 710 Oct 07 2010 12" | And 5.5mmN | H612-2 VF,PS,OVAL,UB,NND,R=F,AV-3,PA=115 | Galaxy Scd: | VF,PS,2*S |

Observations Listing by Catalog Number

| | | | |
|---|--------------------------------|--|--|
| NGC 712 Oct 07 2010 12" | And 5.5mmN | Galaxy S0 CF,PS,OVAL,UB,NND,R=F,PA=95 | VF,R,AM PB ST |
| NGC 714 Oct 07 2010 12" | And 5.5mmN | Galaxy S0/a PF,CS,EON,UB,NND,R=F,PA=170 | F,VS,R,2*13P\$NP |
| NGC 717 Oct 07 2010 12" | And 5.5mmN | Galaxy S0/a PF,CS,EON,UB,NND,R=F,AV-4,PA=170 | VF,PS,*15SF1' |
| NGC 718 Oct 09 2007 8" | Psc 11mmT6 | H270-2 PF,PS,R,UB,NND,R=F | Galaxy SAB(s)a PB,S,IR,PSMBM |
| NGC 720 Nov 21 2006 8" | Cet 11mmT6 | H105-1 B,PS,OVAL,NND,R=F | Galaxy E5 CB,PL,LE,PSMBM |
| NGC 721 Oct 07 2010 12" | And 5.5mmN | Galaxy SB(rs)bc VF,PS,OVAL,UB,NND,R=F,AV-5,PA=10 | EF,PL |
| NGC 722 Aug 21 2004 8" | Ari 11mmT6 | Galaxy S? CLEAR SKIES - H.H. LITE. 1ST REAL TEST | VF,VS,R,BETA ARI N |
| NGC 732 Oct 07 2010 12" | And 5.5mmN | Galaxy S0 VF,PS,OVAL,UB,NND,R=F,AV-1,PA=70 | VF*IN VF,VS,R,NEBY |
| NGC 733 Nov 24 2006 31" | Tri 20mmUW | Galaxy VF,VS,OVAL,NND,AV,R=F | VF,2'P736 |
| NGC 735 Nov 24 2006 31" | Tri 20mmUW | H176-3 PF,PS,OVAL,NND,R=F | Galaxy Sb EEF,STELLAR |
| NGC 736 Nov 24 2006 31" Nov 09 2004 8" | Tri 20mmUW 11mmT6 | H221-2 CB,CL,OVAL,FNUC,R=G VF,OVAL,NND,AV,R=F | Galaxy E+: PB,R,BM |
| NGC 738 Nov 24 2006 31" | Tri 20mmUW | Galaxy S0 CF,CS,OVAL,NND,R=F | NEB,75"NF 736 |
| NGC 739 Nov 24 2006 31" | Tri 20mmUW | Galaxy S0? B,CS,VAL,UB,NND,R=F | CF,VS,R,INTRI OF* |
| NGC 740 Nov 24 2006 31" | Tri 20mmUW | H221-2 B,PL,EON,UB,NND,R=F | Galaxy SBb? F,L,CE |
| NGC 741 Oct 09 2007 8" | Psc 11mmT6 | H271-2 PF,PS,R,UB,NND,R=F | Galaxy E0: PF,S,R,POF2,POS102 |
| NGC 743 Oct 24 2012 8" | Cas 11mmT6 | Open Cluster 10.0 IV 1 p PF,L,LOOSER GROUP,R=F | CL,NOTRI,D* |

Observations Listing by Catalog Number

| | | | | |
|--|--|--|----------------------------------|-----------------------------|
| NGC 744 Oct 09 2007 8" | Per 11mmT6 | | Open Cluster 10.0 III 1 p | CL,PL,PRI,IF,*11..13 |
| | | PF,PL,TIGHTER GROUP, R=F | | |
| NGC 746 Oct 07 2010 12" | And 5.5mmN | | Galaxy Im | VF,PS,LE,SEV*NR |
| | | VF,PS,OVAL,MEXT,UB,NND,R=F,AV-2,PA=115 | | |
| NGC 750 Nov 09 2004 8" | Tri 11mmT6 | H222-2 | Galaxy E pec | CB,PL,R,DW/751,25" |
| | | VF,EL,OVAL,NND,AV,R=F | | |
| NGC 751 Nov 09 2004 8" | Tri 11mmT6 | | Galaxy E pec | PF,ES,R,BM,DW/750 |
| | | VF,OVAL,NND,AV,R=F | | |
| NGC 752 Nov 26 2006 1.9" Oct 29 2006 8" Oct 06 2004 8" | And 12x50 19mmW 7.5mmW | H32-7 B,L,LOOSE,RESOLVE 4-5 STARS,R=F 50+STARS,R,R=G EB,R,UB,R=G | Open Cluster 8.0 II 2 r | CL,VVL,RI,*L\$SC |
| | | | | |
| NGC 753 Oct 10 2004 8" | And 11mmT6 | | Galaxy SAB(rs)bc | PB,PL,R,GMBM |
| | | VF, OVAL,NND,AV,R=F | | |
| NGC 759 Nov 08 2010 12" Oct 07 2010 12" | And 5.5mmN 5.5mmN | | Galaxy E | CL,VS,R |
| | | CF,CS,R,NND,AV1,R=F PF,PS,R,FNUC,R=F | | |
| NGC 761 Nov 24 2006 31" | Tri 20mmUW | | Galaxy SBa: | PF,CL,4F* NR |
| | | PB,PS,ELOVAL,UB,NND,R=F | | |
| NGC 772 Dec 04 2004 8" Nov 03 2004 8" | Ari 11mmT6 11mmT6 | H112-1 MB,EL,OVAL,NND,MSB,R=G MF,EL,OVAL,NND,R=F | Galaxy SA(s)b | B,CL,R,GBM,R |
| | | | | |
| NGC 777 Oct 29 2008 16" Nov 09 2004 8" | Tri 17mmT4 11mmT6 | H223-2 PF,CS,R,FNUC,R=F VF,OVAL,NND,MSB,R=G | Galaxy E1 | PB,PL,R,GLBM |
| | | | | |
| NGC 779 Nov 21 2006 8" | Cet 11mmT6 | H101-1 F,L,EON,NND,R=F | Galaxy SAB(r)b | CB,L,ME162,MBM |
| | | | | |
| NGC 783 Dec 18 2006 31" Nov 09 2004 8" | Tri 20mmUW 11mmT6 | | Galaxy Sc | EF,S,IR,VF ST ATT |
| | | B,PLMOVAL,NND,R=F VF,OVAL,NND,AV,R=F | | |
| NGC 784 Nov 09 2004 8" | Tri 11mmT6 | | Galaxy SBdm: sp | VF,L,E,(DOUBLE) |
| | | VF,ELEON,NND,AV,R=F | | |
| NGC 785 Nov 09 2004 8" | Tri 11mmT6 | | Galaxy S0-: | EF,ES,VF*ATT |
| | | VF,OVAL,NND,AV,R=F | | |

Observations Listing by Catalog Number

| | | | |
|-----------------------------------|---|----------------------------|----------------------------|
| NGC 789 Nov 02 2005 31" | Tri 19mmW MB,PL,R,FNUC,MSB,R=G | Galaxy S? | VF,S,LE |
| NGC 797 Oct 17 2004 8" | And H566-3 7.5mmW VF,OVAL,NND,AV,R=F | Galaxy SAB(s)a | VF,S,IR,SBM,*NR |
| NGC 798 Nov 02 2005 31" | Tri 19mmW MB,ML,EON,FNUC,MSB,R=G | Galaxy E | EF,VS |
| NGC 805 Nov 02 2005 31" | Tri 19mmW MB,FS,OVAL,FNUC,R=F | Galaxy SB0 | EF,ES,R,2*14P |
| NGC 807 Nov 02 2005 31" | Tri H151-3 19mmW PB,FS,R,FNUC,MSB,R=G | Galaxy E | VF,VS,IR,BET2*N\$SP |
| NGC 812 Oct 17 2004 8" | And 7.5mmW MF,EL,NND,AV,R=F | Galaxy S pec | EF,PL,E45,BM |
| NGC 818 Nov 21 2006 8" | And H604-2 11mmT6 VF,S,OVAL,NND,AV,R=F | Galaxy SABc: | PB,CL,LE,MBM |
| NGC 821 Sep 04 2005 8" | Ari H152-1 11mmT6 MF,MS,OVAL,FNUC,R=G | Galaxy E6? | PB,VS,VLE,SVMBM,*NP |
| NGC 828 Nov 21 2006 8" | And H605-2 11mmT6 VF,S,OVAL,NND,AV,R=F | Galaxy Sa: pec | PB,S,IR,D*F15S |
| NGC 834 Nov 08 2010 12" | And H567-3 5.5mmN PF,PS,OVAL,UB,NND,R=F,PA=90 | Galaxy S? | VF,S,LE |
| NGC 841 Nov 21 2006 8" | And 11mmT6 VF,L,OVAL,NND,AV,R=F | Galaxy (R')SAB(s)ab | PB,VS,MBMN=*13,14 |
| NGC 845 Oct 10 2012 18" | And H604-3 8.8 ES F,S,EON,UB,ND,R=F | Galaxy Sb | VF,IF,STELLAR |
| NGC 847 Nov 08 2010 12" | And 5.5mmN CF,CS,R,UB,NND,R=F | Galaxy SB(rs)ab | VF,PL,R |
| NGC 855 Nov 09 2004 8" | Tri H613-2 11mmT6 VF,EL,EON,NND,AV,R=F | Galaxy E | F,S,LE90,BM |
| NGC 860 Dec 19 2006 31" | Tri 17mmT4 PB,PS,OVAL,FNUC,R=F | Galaxy E | *13IN F NEB |
| NGC 861 Dec 19 2006 31" | Tri 17mmT4 PB,CS,EON,FNUC,MHISB,R=G | Galaxy Sb | VF,S,D*ATT SP |

Observations Listing by Catalog Number

| | | | |
|------------------|------------|---|-------------------------------|
| NGC 865 | Tri | Galaxy S? | EF,ES,IR |
| Dec 19 2006 31" | 17mmT4 | PB,PL,PME,EON,UB,NND,R=G | |
| NGC 869 | Per | H33-6 | Open Cluster 6.6 I 3 r |
| Jan 25 2018 12" | 35mm A | NICE OBJECT | CL,VVL,VRI,*7...14 |
| Sep 24 2016 12" | 17mmT4 | GREAT OBJECT. | |
| Dec 05 2015 12" | 17mmT4 | | |
| Aug 21 2015 12" | 35mm A | | |
| Oct 21 2012 8" | 25mmPL | NICE BUT NOT AS NICE AS WRO | |
| Oct 12 2012 18" | 35mm A | DOUBLE CLUSTER W/35MM A.T. 68 DEGREE AND PARACORR | |
| Aug 31 2010 12" | 17mmAT | NIGHT ENDING EYE CANDY | |
| Oct 29 2006 8" | 19mmW | B,L,LOOSE,R,R=G | |
| Oct 13 2006 1.9" | 12x50 | PB,PL,R=G | |
| Oct 01 2006 1.9" | 12x50 | B,L,R=G, TIGHT GROUP | |
| Sep 01 2005 8" | 7.5mmW | VB,R,R=G. BEAUTY - DOUBLE CLUSTER | |
| Oct 31 2004 1.9" | 12x50 | VERY NICE IN BINOCULARS | |
| Dec 31 2003 8" | 25mmPL | H/M COLD | |
| NGC 877 | Ari | H246-2 | Galaxy SAB(rs)bc |
| Nov 21 2006 8" | 11mmT6 | PF,L,OVAL,NND,R=F | PF,PL,LE,PGBM, |
| NGC 884 | Per | H34-6 | Open Cluster 6.4 I 3 r |
| Jan 25 2018 12" | 35mm A | NICE OBJECT | CL,VL,VRI,RUBY*M |
| Sep 24 2016 12" | 17mmT4 | GREAT OBJECT. | |
| Dec 05 2015 12" | 17mmT4 | | |
| Aug 21 2015 12" | 35mm A | | |
| Oct 21 2012 8" | 25mmPL | NICE BUT NOT AS NICE AS WRO | |
| Oct 12 2012 18" | 35mm A | DOUBLE CLUSTER W/35MM A.T. 68 DEGREE AND PARACORR | |
| Aug 31 2010 12" | 17mmAT | NIGHT ENDING EYE CANDY | |
| Oct 29 2006 8" | 19mmW | B,L,COMPRESSED,R,R=G | |
| Oct 13 2006 1.9" | 12x50 | PB,PL,R=G | |
| Oct 01 2006 1.9" | 12x50 | PB,PL,R=G, LITTLE LOOSER | |
| Sep 01 2005 8" | 7.5mmW | VB,R,R=G. BEAUTY - DOUBLE CLUSTER | |
| Oct 31 2004 1.9" | 12x50 | VERY NICE IN BINOCULARS | |
| Dec 31 2003 8" | 25mmPL | H/M COLD | |
| NGC 886 | Cas | Open Cluster 11.0 IV 2 p | CL,L,LC,SC,ST9...13 |
| Oct 24 2012 8" | 11mmT6 | F,L,R=F, LAST NGC/IC IN CASSIOPEIA | |
| NGC 890 | Tri | H225-2 | Galaxy SAB(r)0-? |
| Oct 29 2008 16" | 17mmT4 | PF,PS,OVAL,UB,NND,R=F | B,S,R,BM,3F*SP |
| Nov 10 2007 31" | 17mmT4 | PB,PS,OVAL,BNUC,HSB,R=G | |
| Nov 09 2004 8" | 11mmT6 | MF,EL,OVAL,NND,MSB,R=G | |
| NGC 891 | And | H19-5 | Galaxy SA(s)b? sp |
| Oct 12 2012 18" | 17mmT4 | DARK DUST LANE BISECTING GALAXY. JOHN'S 20" OBSESSION | B,VL,VME22 |
| Oct 07 2010 12" | 11mmT6 | PF,S,EON,UB,NND,R=F,PA=85 | |
| Oct 27 2004 31" | 31mmT5 | VB,ML,EON,HISB,R=E, LUNAR ECLIPSE | |
| Oct 06 2004 8" | 11mmT6 | MB,EL,EON,NND,R=G | |

Observations Listing by Catalog Number

| | | | | |
|--|--|---|---------------------------|----------------------------|
| NGC 896 Oct 18 2009 12" | Cas 20mmUW | H695-3 PF,PS, HINT OF NEBULOSITY | Nebula E | EF,PL,IF |
| NGC 898 Nov 08 2010 12" | And 5.5mmN | H570-3 PF,PS,EON,FNUC,R=F,PA=45 | Galaxy Sab sp | EF,VS,LE |
| NGC 906 Nov 08 2010 12" Oct 07 2010 12" | And 5.5mmN 7mm TV | CF,PS,R,UB,NND,R=F VF,VS,R,UB,NND,R=F,AV-4 | Galaxy SBab | EF,IE, |
| NGC 908 Nov 21 2006 8" | Cet 11mmT6 | H153-1 PF,L,OVAL,NND,R=F | Galaxy SA(s)c | CB,VL,E |
| NGC 909 Oct 10 2012 18" | And 8.8 ES | F,S,R,FNUC,R=G | Galaxy E | VF,VS,VS*INV |
| NGC 910 Oct 30 2005 31" | And 17mmT4 | H571-3 VB,ML,R,FNUC,MSB,R=G | Galaxy E+ | VF,PS,STELLAR |
| NGC 911 Oct 30 2005 31" | And 17mmT4 | MB,ML,EL,FNUC,MSB,R=G | Galaxy E | EF,VS,R,BM |
| NGC 912 Oct 10 2012 18" | And 8.8 ES | PR,PS,R,UB,NND,R=F | Galaxy E | F,VS,R,BM |
| NGC 914 Nov 08 2010 12" | And 5.5mmN | VF,PS,OVAL,NND,R=F | Galaxy SA(s)c | EF,PL,DIF |
| NGC 920 Oct 10 2012 18" | And 8.8 ES | DIFF,PF,S,OVAL,MEXT,UB,NND,R=F | Galaxy (R')SB(s)ab | EF,ES,R,1OR2EF* NR |
| NGC 923 Oct 10 2012 18" | And 8.8 ES | PF,PS,R,UB,NND,R=F | Galaxy Sb: | VF,S,R,GSBM |
| NGC 925 Oct 29 2008 16" Nov 10 2007 31" Aug 21 2004 8" | Tri 17mmT4 17mmT4 11mmT6 | H177-3 PF,PS,OVAL,NND,LSB,R=F DIFF,B,PL,OVAL,NND,R=F CLEAR SKIES - H.H. LITE. 1ST REAL TEST | Galaxy SAB(s)d | CF,CL,E,VGBM,2*13NP |
| NGC 931 Dec 19 2006 31" | Tri 17mmT4 | PB,L,EON,FNUC,HISB,R=G | Galaxy SAbc | F,PL,IR |
| NGC 933 Oct 10 2012 18" | And 8.8 ES | PF,PS,OVAL,UB,FNUC,R=G | Galaxy S? | EF,ES,R,B*NF |
| NGC 936 Nov 21 2006 8" | Cet 11mmT6 | H23-4 B,LOVAL,NND,R=F | Galaxy SB(rs)0+ | VB,VL,R,MBMN,P OF 2 |

Observations Listing by Catalog Number

| | | | | |
|--|--------------------------------|---|----------------------------------|----------------------------|
| NGC 937 Oct 10 2012 18" | And 8.8 ES | PF,PS,OVAL,MEXT,FNUC,R=G | Galaxy SBcd? | VF*SLIGHTLYNEBULOUS |
| NGC 941 Nov 21 2006 8" | Cet 11mmT6 | H261-3 VF,S,OVAL,NND,V,R=F | Galaxy SAB(rs)c | VF,CL,R,F OF 2 |
| NGC 946 Oct 10 2012 18" | And 8.8 ES | F,PS,OVAL,FNUC,R=F | Galaxy S0: | F,S,R,GLBM |
| NGC 949 Nov 09 2004 8" | Tri 11mmT6 | H154-1 VF,OVAL,NND,MSB,R=G | Galaxy SA(rs)b:? | CB,L,E,VGBM |
| NGC 956 Oct 29 2006 8" Oct 10 2004 8" | And 19mmW 11mmT6 | F,S,COARSE,R,R=F SMALL OPEN CLUSTER, FEW STARS | Open Cluster 9.0 IV 2 m | CL,PRI,*9...15 |
| NGC 957 Oct 09 2007 8" | Per 11mmT6 | PF,PS,TIGHTER GROUP, R=F | Open Cluster 11.0 III 2 m | CL,PL,PRI,*13...15 |
| NGC 959 Nov 09 2004 8" | Tri 11mmT6 | MF,EL,OVAL,FNUC,MSB,R=G | Galaxy Sdm: | EF,PL,LE,LBM |
| NGC 968 Dec 19 2006 31" | Tri 17mmT4 | PB,PL,OVAL,BNUC,HISB,R=G | Galaxy E | PF,PS,R,BM |
| NGC 969 Dec 19 2006 31" | Tri 17mmT4 | PB,PL,E,OVAL,BNUC,HISB,R=G | Galaxy S0 | S,R,PSBM,1ST OF 5 |
| NGC 970 Dec 19 2006 31" | Tri 17mmT4 | PF,PS,OVAL,NND,R=F | Galaxy S | VF,VS,R,2ND OF 5 |
| NGC 971 Dec 19 2006 31" | Tri 17mmT4 | VF,VS,OVAL,NND,AV,R=F | Galaxy | VF,VS,R,3RD OF 5 |
| NGC 972 Nov 21 2006 8" | Ari 11mmT6 | H211-2 VF,L,OVAL,NND,R=F | Galaxy Sab | PB,CL,LE,GMBM,3*S |
| NGC 973 Dec 12 2012 36" Dec 19 2006 31" | Tri 17mmT4 17mmT4 | PF,PS,EON,UB,NND,R=G,PA=45 PB,CL,EON,BNUC,R=G | Galaxy Sb | EEF,S,ME,PB*NR SP |
| NGC 974 Dec 19 2006 31" | Tri 17mmT4 | PB,PL,OVAL,FNUC,HISB,R=G | Galaxy SAB(rs)b: | VF,R,BM,4TH OF 5 |
| NGC 976 Nov 21 2006 8" | Ari 11mmT6 | VF,S,OVAL,NND,AV,R=F | Galaxy SA(rs)c: | VF,VS,4F * NR |
| NGC 978 Dec 19 2006 31" | Tri 17mmT4 | VB,CL,OVAL,BNUC,HISB,R=G | Galaxy S0- | PB,R,5TH OF 5 |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|--|---------------------------|-----------------------------|
| NGC 978A | Tri | | Non-Existent | |
| Oct 30 2005 31" | 17mmT4 | MB,ML,EON,OVAL,NND,R=G | | |
| NGC 978B | Tri | | Galaxy S0 | |
| Dec 19 2006 31" | 17mmT4 | PB,PL,OVAL,FNUC,R=F | | |
| Oct 30 2005 31" | 17mmT4 | B,LITTLESMLLER,OVAL,NND,R=F | | |
| NGC 980 | And | H572-3 | Galaxy S0 | VF,PS,SP OF 2 |
| Nov 08 2010 12" | 5.5mmN | CF,PS,OVAL,MEXT,UB,NND,R=F,PA=180 | | |
| Oct 07 2010 12" | 7mm TV | VF,CS,OVAL,PEXT,UB,NND,R=F,AV-2,PA=170 | | |
| NGC 982 | And | H573-3 | Galaxy Sa | F,S,NF OF 2 |
| Nov 08 2010 12" | 5.5mmN | PF,PS,OVAL,PEXT,UB,NND,R=F,PA=15 | | |
| Oct 07 2010 12" | 7mm TV | CF,CS,OVAL,PEXT,UB,NND,R=F,PA=10 | | |
| NGC 987 | Tri | H161-3 | Galaxy SB0/a | F,S,VLE,BM,R,2*14 NP |
| Dec 19 2006 31" | 17mmT4 | PB,CL,OVAL,BNUC,HISB,R=F | | |
| NGC 991 | Cet | H434-3 | Galaxy SAB(rs)c | VF,CL,IF,VLBM |
| Dec 16 2009 12" | 7.5mmW | VF,PS,R,UB,NND,AV,R=F | | |
| NGC 995 | And | | Galaxy S0 | VF,VS |
| Oct 10 2012 18" | 8.8 ES | F,S,OVAL,UB,NND,R=F | | |
| NGC 996 | And | | Galaxy E | VF,VS |
| Oct 10 2012 18" | 8.8 ES | F,S,R,FNUC,R=F | | |
| NGC 997 | Cet | | Galaxy E | F,S |
| Dec 12 2012 36" | 17mmT4 | PF,PS,OVAL,MEXT,FNUC,HSB,R=G | | |
| NGC 998 | Cet | | Galaxy S | VF |
| Dec 12 2012 36" | 17mmT4 | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 999 | And | | Galaxy (R')SAB(s)a | EF |
| Oct 10 2012 18" | 8.8 ES | PF,S,OVAL,UB,ND,AV1,R=F | | |
| NGC 1000 | And | | Galaxy C | VVF,PS,DIF |
| Oct 10 2012 18" | 8.8 ES | PF,PS,R,UB,NND,R=F,15.3 MAG, DIRECT VISION | | |
| NGC 1003 | Per | H238-2 | Galaxy SA(s)cd | PF,L,E90,MBM,R |
| Nov 09 2004 8" | 7.5mmW | VF,EL,EON,NND,AV,R=G | | |
| NGC 1012 | Ari | H152-3 | Galaxy S0/a? | F,PS,IR,BM,ST INV |
| Sep 04 2005 8" | 11mmT6 | MF,MS,OVARL,NND,R=F | | |
| NGC 1022 | Cet | H102-1 | Galaxy (R')SB(s)a | CB,PL,R,MBM,*11NF 2' |
| Nov 21 2006 8" | 11mmT6 | PF,L,OVAL,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|------------------------------------|----------------------------------|-----------------------------|
| NGC 1023 | Per | H156-1 | Galaxy SB(rs)0- | VB,VL,VME,VVMBM |
| Sep 09 2010 12" | 17mmAT | B,S,EON,BNUC,R=G,PA=165 | | |
| Oct 10 2004 8" | 11mmT6 | MB,EL,RNUC,R=G | | |
| NGC 1024 | Ari | H592-2 | Galaxy (R')SA(r)ab | PF,S,LE,BM,*11NF 1' |
| Sep 04 2005 8" | 11mmT6 | MF,ML,OVAL,NND,AV,R=F | | |
| NGC 1027 | Cas | H66-8 | Open Cluster 9.0 II 3 m n | CL,L,SC ST,ONE10M |
| Nov 03 2004 8" | 11mmT6 | | | |
| Oct 06 2004 8" | 7.5mmW | R=F, SCATTERED STARS | | |
| NGC 1032 | Cet | H5-2 | Galaxy S0/a sp | PB,S,VLE,BM,3*TRAP |
| Nov 13 2007 8" | 11mmT6 | VF,VS,R,NND,AV,R=F | | |
| NGC 1035 | Cet | H284-2 | Galaxy SA(s)c? | PF,L,ME,R,*17ATT SF |
| Nov 13 2007 8" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 1036 | Ari | H475-3 | Galaxy Pec? | F,S,R,LBM |
| Oct 30 2005 31" | 17mmT4 | MB,ML,OVAL,NND,R=G | | |
| NGC 1039 | Per | M34 | Open Cluster 9.0 II 3 r | CL,B,VL,LC,SC ST9 |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 11mmT6 | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Oct 29 2006 1.9" | 12x50 | B,L,R,R=G | | |
| Mar 19 2006 8" | 25mmPL | PB,PL,R=G. SCATTERED STARS | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Dec 26 2003 8" | 25mmPL | Q/M COLD | | |
| NGC 1045 | Cet | H488-2 | Galaxy SA0- pec? | F,S,R,BM |
| Nov 08 2010 12" | 11mmT6 | CF,PS,EON,FNUC,R=F,PA=115 | | |
| NGC 1050 | Per | | Galaxy (R')SB(s)a | F,S,*18INV N |
| Oct 25 2009 12" | 7.5mmW | VF,VS,OVAL,UB,NND,AV,R=F | | |
| NGC 1052 | Cet | H63-1 | Galaxy E4 | B,PL,R,MBM*12 |
| Nov 21 2006 8" | 11mmT6 | B,L,R,FNUC,R=G | | |
| NGC 1053 | Per | | Galaxy S0 | VF,VS,LE,3OR4*LINENR |
| Oct 25 2009 12" | 7.5mmW | VF,S,OVAL,UB,NND,R=F | | |
| NGC 1055 | Cet | H1-1 | Galaxy SBb: sp | PF,CL,IE80,BM,*11N1' |
| Dec 16 2009 12" | 11mmT6 | PB,L,EON,UB,HSB,R=G | | |
| Nov 21 2006 8" | 11mmT6 | PF,S,OVAL,NND,R=F | | |
| NGC 1058 | Per | H633-2 | Galaxy SA(rs)c | PF,CL,R,GLBM |
| Nov 09 2004 8" | 7.5mmW | VF,OVAL,NND,AV,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|-------------------------------------|--------------------------|-----------------------------|
| NGC 1060 | Tri | H162-3 | Galaxy S0-: | F,PL,R,LBM,*F46S,3'S |
| Nov 10 2007 31" | 17mmT4 | PB,PL,OVAL,FNUC,R=F | | |
| NGC 1068 | Cet | M77 | Galaxy (R)SA(rs)b | VB,PL,IR,SBMRRN |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 11mmT6 | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Nov 13 2007 8" | 11mmT6 | PB,L,OVAL,BNUC,HISB,R=G | | |
| Oct 29 2006 1.9" | 12x50 | PF,PS,OVA,NND,R=F | | |
| Mar 19 2006 8" | 19mmW | B,FL,OVAL,FNUC,MSB,R=F | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| NGC 1070 | Cet | H273-2 | Galaxy Sb | PF,S,IR,GBM |
| Nov 02 2005 31" | 19mmW | PB,PL,OVAL,FNUC,MSB,R=G | | |
| NGC 1073 | Cet | H455-3 | Galaxy SB(rs)c | VF,L,LBM,ER |
| Nov 13 2007 8" | 11mmT6 | VF,VS,R,NND,AV,R=F | | |
| NGC 1077 | Per | | Non-Existent | VF,PL,E |
| Oct 31 2010 12" | 5.5mmN | VF,CS,OVAL,NND,AV4,R=F | | |
| NGC 1081 | Eri | | Galaxy SB(s)b? | EF,PS,R |
| Jan 26 2006 8" | 11mmT6 | VF,VS,EL,EON,NND,AV,R=F | | |
| NGC 1084 | Eri | H64-1 | Galaxy SA(s)c | VB,PL,E,GPMBM |
| Jan 26 2006 8" | 11mmT6 | MB,ML,OVAL,NND,R=F | | |
| NGC 1086 | Per | | Galaxy Scd: | VF,PS,D* NR |
| Oct 25 2009 12" | 7.5mmW | VF,S,OVAL,NND,R=F | | |
| NGC 1087 | Cet | H466-2 | Galaxy SAB(rs)c | PB,CL,LE,MBM |
| Oct 31 2010 12" | 5.5mmN | PF,PS,OVAL,UB,NND,R=F,PA=80 | | |
| NGC 1090 | Cet | H465-2 | Galaxy SB(rs)bc | VF,PL,IR,BM |
| Oct 31 2010 12" | 5.5mmN | DIFF,PF,PS,EON,UB,NND,AV,R=F,PA=170 | | |
| NGC 1097 | For | H48-5 | Galaxy SB(s)b | VB,L,VME151,VBMN |
| Nov 21 2006 8" | 11mmT6 | F,L,OVAL,FNUC,R=F | | |
| NGC 1106 | Per | | Galaxy SA0+ | VF,VS,VF*ATT S |
| Oct 25 2009 12" | 7.5mmW | F,S,OVAL,UB,NND,R=F | | |
| NGC 1110 | Eri | | Galaxy SB(s)m: sp | EF,PL,E348 |
| Dec 12 2012 36" | 17mmT4 | PF,PS,EON,UB,NND,R=F | | |
| NGC 1114 | Eri | H449-3 | Galaxy SA(r)c | PF,PL,PME,GLBM |
| Nov 08 2010 12" | 5.5mmN | VF,CS,PEXT,UB,NND,R=F,PA=100 | | |
| NGC 1122 | Per | H601-2 | Galaxy SBb | VF,PS,R,*NR N |
| Oct 25 2009 12" | 7.5mmW | F,S,OVAL,PATCHY,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|--|--|---|-------------------------------------|-----------------------------|
| NGC 1129 Nov 09 2004 8" | Per 7.5mmW | H602-2 VF,EL,NND,AV,RF=F | Galaxy E | CF,PS,IR,VGLBM, F*SP |
| NGC 1132 Nov 10 2012 18" | Eri 7mm TV | PF,PS,OVAL,VEXT,UB,NND,R=F | Galaxy E | EF,PL,GBM,*8F |
| NGC 1138 Oct 31 2010 12" | Per 5.5mmN | H580-3 PF,PS,R,UB,NND,R=F. | Galaxy SB0 STAR IN FRONT. | VF,VS,R,GBM,2S* TRI |
| NGC 1145 Dec 12 2012 36" | Eri 17mmT4 | PF,PS,E3ON,UB,NND,R=F,PA=18 | Galaxy Sc: sp | F,PL,PME,2S* F |
| NGC 1156 Sep 04 2005 8" | Ari 7.5mmW | H619-2 VF,ML,OVAL,NND,AV,R=F | Galaxy IB(s)m | PB,CL,PME0,BET2* |
| NGC 1160 Oct 25 2009 12" | Per 7.5mmW | H199-3 VF,VS,EL,OVAL,NND,AV,R=F | Galaxy Scd: | F,E |
| NGC 1161 Oct 25 2009 12" Nov 09 2004 8" | Per 7.5mmW 7.5mmW | H239-2 PF,PS,OVAL,FNUC,R=F MB,EL,EON,FNUC,MSB,R=G | Galaxy S0 | F,PS,LE,SBM |
| NGC 1162 Nov 08 2010 12" | Eri 5.5mmN | H469-3 VF,CS,OVAL,UB,NND,AV2,R=F | Galaxy E: | F,R,GLBM,STELLAR |
| NGC 1163 Dec 12 2012 36" | Eri 17mmT4 | PF,PS,EON, FNUC,R=F,PA=140 | Galaxy SBbc? sp | VF,PS,ME75 |
| NGC 1164 Oct 31 2010 12" | Per 5.5mmN | CF,PS,OVAL,UB,NND,R=F,AV3 | Galaxy (R')SAB(s)ab | EF,VS |
| NGC 1167 Oct 25 2009 12" | Per 7.5mmW | H178-3 VF,PS,R,UB,NND,R=F | Galaxy SA0- | VF,PL,R,SPMBM |
| NGC 1169 Oct 25 2009 12" Nov 09 2004 8" Oct 10 2004 8" | Per 11mmT6 7.5mmW 11mmT6 | H620-2 PF,PS,EL,OVAL,UB,NND,R=F VF,EL,EON,NND,AV,R=F VF,EL,NND,AV,R=F | Galaxy SAB(r)b | PF,PS,IF,SBM |
| NGC 1171 Oct 25 2009 12" | Per 7.5mmW | F,PS,EON,UB,NND,R=F | Galaxy Scd: | VF,PL,IF |
| NGC 1172 Jan 26 2006 8" | Eri 11mmT6 | H502-2 VF,VS,OVAL,NND,AV,R=F | Galaxy E+: | PF,PL,R,PSBM |
| NGC 1175 Oct 25 2009 12" | Per 7.5mmW | H607-2 F,PS,EON,FNUC,R=F | Galaxy SA(r)0+ | F,CL,E |

Observations Listing by Catalog Number

| | | | | |
|---|--------------------------------|--|--------------------------------|-----------------------------|
| NGC 1184 Nov 13 2007 8" | Cep 11mmT6 | H704-2 VF,VS,OVAL,NND,R=F | Galaxy S0/a | F,PL,ME |
| NGC 1186 Oct 25 2009 12" | Per 7.5mmW | H43-4 VF,PS,EON,NND,AV,R=F | Galaxy SB | F*W/NEB APPENDAGES |
| NGC 1187 Jan 26 2006 8" | Eri 11mmT6 | H245-3 MF,MS,OVAL,NND,R=F | Galaxy SB(r)c | PF,CL,PME,GBM*16,R |
| NGC 1193 Oct 09 2007 8" | Per 11mmT6 | H608-2 PF,PS,LOOSE GROUP, R=F | Open Cluster 14.0 I 2 m | F,CL,ER |
| NGC 1198 Oct 25 2009 12" | Per 7.5mmW | H503-2 F,PS,OVAL,UB,NND,R=F | Galaxy S0-: | NEB*11 |
| NGC 1199 Jan 26 2006 8" | Eri 11mmT6 | H503-2 VF,VS,R,NND,AV,R-F | Galaxy E3: | CB,PS,IR,SMBM |
| NGC 1207 Nov 10 2012 18" Nov 11 2009 12" | Per 7mm TV 7.5mmW | H578-3 PF,VS,OVAL,UB,NND,R=F PF,PS,OVAL,MEXT,UB,NND,R=F | Galaxy SA(rs)b | CF,VS,R,PSB INNPPEND |
| NGC 1209 Nov 08 2010 12" | Eri 7mm TV | H504-2 PF,PS,OVAL,PEXT,FNUC,MSB,R=F | Galaxy E6: | B,S,CE,PSBM |
| NGC 1213 Nov 10 2012 18" | Per 7mm TV | H504-2 VF,VS,OVAL,UB,NND,AV2,R=F | Galaxy SA(s)dm | EF,LE,*CLOSEN,DIFFIC |
| NGC 1220 Oct 09 2007 8" | Per 11mmT6 | H504-2 PF,PS,LOOSE GROUP, R=F | Open Cluster 13.0 I 1 p | CL,VS,STVF |
| NGC 1224 Dec 13 2012 18" | Per 7mm TV | H504-2 PF,PS,R,FNUC,R=G | Galaxy S0-: | EF,VS,R |
| NGC 1226 Oct 31 2010 12" | Per 5.5mmN | H504-2 CF,PS,R,UB,NND,R=F,AV1 | Galaxy E | F,VS,R,BM |
| NGC 1232 Jan 26 2006 8" | Eri 11mmT6 | H258-2 DIFF,VF,ML,R,NND,R=F | Galaxy SAB(rs)c | PB,CL,R,GBM,R |
| NGC 1233 Nov 11 2009 12" | Per 7.5mmW | H258-2 VF,VS,OVAL,VEXT,UB,NND,R=F | Galaxy Sb | F,VS,R,DIFF |
| NGC 1235 Nov 11 2009 12" | Per 7.5mmW | H258-2 MEGASTAR 5 CALLS IT A TRIPLE STAR - NOTHING ELSE NOTED. | Non-Existent | VF,S,LE |
| NGC 1241 Jan 26 2006 8" | Eri 11mmT6 | H286-2 DIFF,VF,MS,OVAL,NND,R=F | Galaxy SB(rs)b | F,PL,R,VGLBM,*9N |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|-------------------------------|-----------------------------------|-----------------------------|
| NGC 1245 | Per | H25-6 | Open Cluster 12.0 II 2 r | CL,PL,RI,C,IR,*12.15 |
| Nov 09 2004 8" | 7.5mmW | MANY STARS - FAINT | | |
| NGC 1250 | Per | | Galaxy S0[^]: sp | VF,VS,R |
| Dec 13 2012 18" | 7mm TV | PF,PS,OVAL,PEXT,FNUC,R=F | | |
| Oct 31 2010 12" | 5.5mmN | CF,PS,EON,UB,NND,R=F | | |
| NGC 1257 | Per | | Galaxy Sa | STELLAR NEB |
| Dec 13 2012 18" | 7mm TV | PF,PS,OVAL,VEXT,UB,NND,R=F | | |
| NGC 1259 | Per | | Galaxy S0 | VF,S,R,VLBM |
| Dec 13 2012 18" | 7mm TV | PF,PS,R,UB,NND,R=F | | |
| NGC 1260 | Per | | Galaxy S0/a: sp | VF,S,R |
| Dec 13 2012 18" | 7mm TV | PF,PS,OVAL,MEXT,UB,NND,R=F | | |
| Oct 31 2010 12" | 5.5mmN | PF,CS,OVAL,UB,NND,R=F,PA=160 | | |
| NGC 1264 | Per | | Galaxy SBa-b | VF,S,VLBM |
| Dec 13 2012 18" | 7mm TV | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 1265 | Per | | Galaxy E+ | VF,VS,MBM, |
| Oct 07 2010 12" | 5.5mmN | CF,CS,R,UB,NND,R=F | | |
| NGC 1267 | Per | | Galaxy E+: | F,VS,R,STELL |
| Nov 10 2012 18" | 7mm TV | PF,PS,R,UB,NND,R=F | | |
| NGC 1268 | Per | | Galaxy SAB(rs)b: | EF,S,LE,COM |
| Nov 10 2012 18" | 7mm TV | PF,PS,OVAL,FNUC,R=F | | |
| Oct 07 2010 12" | 5.5mmN | CF,CS,R,UB,NND,R=F | | |
| NGC 1270 | Per | | Galaxy E: | VF,S,R |
| Nov 10 2012 18" | 7mm TV | PF,PS,OVAL,UB,NND,R=F | | |
| Nov 11 2009 12" | 7.5mmW | VF,VS,R,UB,NND,AV,R=F | | |
| NGC 1272 | Per | | Galaxy E+ | F,S,R |
| Nov 10 2012 18" | 7mm TV | PF,PS,R,UB,NND,R=F | | |
| Oct 07 2010 12" | 7mm TV | CF,PS,R,UB,NND,R=F | | |
| Nov 11 2009 12" | 7.5mmW | VF,PS,R,UB,NND,R=F | | |
| Nov 09 2004 8" | 7.5mmW | VF,OVAL,NND,AV,R=F | | |
| NGC 1273 | Per | | Galaxy SA(r)0[^]? | VF,VS |
| Nov 10 2012 18" | 7mm TV | PF,VS,OVAL,UB,NND,R=F | | |
| Nov 11 2009 12" | 7.5mmW | VF,VS,OVAL,MEXT,UB,NND,AV,R=F | | |
| NGC 1274 | Per | | Galaxy E3 | VF,VS |
| Nov 10 2012 18" | 7mm TV | PF,PS,OVAL,MEXT,UB,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|---|---------------------------------|----------------------------|
| NGC 1275 | Per | H603-2 | Galaxy Pec | F,S |
| Nov 10 2012 18" | 7mm TV | PF,PS,R,FNUC,MSB,R=F | | |
| Oct 07 2010 12" | 7mm TV | PF,PS,R,FNUC,R=F | | |
| Nov 11 2009 12" | 7.5mmW | PF,PS,R,FNUC,R=F | | |
| Nov 09 2004 8" | 7.5mmW | VF,EL,NND,AV,R=F | | |
| NGC 1277 | Per | | Galaxy S0+: pec | VF,VS,NP1278 |
| Nov 10 2012 18" | 7mm TV | PF,PS,OVAL,PEXT,UB,NND,R=F | | |
| NGC 1278 | Per | | Galaxy E pec: | PB,PS,R,BM |
| Oct 07 2010 12" | 5.5mmN | CF,CS,R,UB,NND,R=F | | |
| NGC 1282 | Per | | Galaxy E: | VF,S,LBMN |
| Oct 10 2012 18" | 8.8 ES | F,PS,OVAL,UB,NND,R=F | | |
| NGC 1283 | Per | | Galaxy E1: | VF,S,VLBM |
| Oct 10 2012 18" | 8.8 ES | F,VS,OVAL,UB,NND,R=F | | |
| NGC 1300 | Eri | | Galaxy SB(rs)bc | CB,VL,VME,PSVMBM |
| Jan 26 2006 8" | 11mmT6 | VF,MS,R,NND,AV,R=F | | |
| NGC 1325 | Eri | H77-4 | Galaxy SA(s)bc | F,ME239,COM,*9.5ATT |
| Nov 08 2010 12" | 7mm TV | PF,PS,EON,BNUC,MSB,R=G,PA=160 | | |
| NGC 1332 | Eri | H60-1 | Galaxy S(s)0-: sp | VB,S,E114,SMBMN |
| Nov 08 2010 12" | 11mmT6 | PF,PS,EON,LFNUC,MSB,R=G,PA=170 | | |
| NGC 1342 | Per | H88-8 | Open Cluster 8.0 III 2 m | CL,VL,AB60* |
| Nov 21 2006 8" | 11mmT6 | B,L,LOOSE,30+STARS,R=G | | |
| Oct 29 2006 8" | 19mmW | B,COARSE CL, R,R=F | | |
| NGC 1343 | Cas | H694-3 | Galaxy SAB(s)b: pec | F,VS,IR,GBM,D*V NR |
| Oct 31 2010 12" | 5.5mmN | PF,CS,OVAL,MEXT,UB,NND,R=F. TWO STARS AT WEST EDGE. | | |
| Sep 12 2010 12" | 5.5mmN | CF,CS,OVAL,UB,NND,R=F,PA=110 | | |
| NGC 1348 | Per | H84-8 | Open Cluster 8.5 III 2 m | CL,LRI,ST L |
| Nov 11 2009 12" | 7.5mmW | PF,VS,R=F JUST A FEW STARS | | |
| NGC 1349 | Tau | | Galaxy S0 | EEF,S,R,BET2* |
| Dec 13 2012 18" | 7mm TV | PF,PS,R,UB,NND,R=F | | |
| NGC 1353 | Eri | H246-3 | Galaxy SB(rs)b: | PB,CL,IE,MBM |
| Nov 08 2010 12" | 11mmT6 | PF,PS,OVAL,MEXT,UB,HSB,R=G | | |
| NGC 1360 | For | | Planetary Neb 3 | *8IN B,LNEB,E NS |
| Dec 28 2008 31" | 17mmT4 | PF,PS,EL,R,R=G, CENTRAL STAR, OIII | | |
| NGC 1400 | Eri | H593-2 | Galaxy SA0- | CB,PS,R,PSMBM |
| Nov 08 2010 12" | 11mmT6 | PF,CS,R,BNUC,R=G | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|--|------------------------------------|-----------------------------|
| NGC 1402 | Eri | | Galaxy SB0[^] pec: | EF,VS,R |
| Nov 08 2010 12" | 5.5mmN | VF,VS,R,UB,NND,AV1,R=F | | |
| NGC 1407 | Eri | H107-1 | Galaxy E0 | VB,L,R,SVMBMN |
| Nov 08 2010 12" | 11mmT6 | PF,PS,R,BNUC,R=G | | |
| Nov 21 2006 8" | 11mmT6 | PF,L,R,NND,R=G | | |
| NGC 1417 | Eri | H455-2 | Galaxy SAB(rs)b | PF,PL,LE,LBM,*SF |
| Jan 26 2006 8" | 11mmT6 | VF,MS,OVAL,NND,R=F | | |
| NGC 1421 | Eri | H291-2 | Galaxy SAB(rs)bc: | F,CL,ME0,R |
| Nov 08 2010 12" | 11mmT6 | PF,PS,OVAL,UB,NND,R=G,PA=40 | | |
| NGC 1432 | Tau | | Nebula R | EF,VL,DIF, MAIA |
| Oct 29 2006 1.9" | 12x50 | B,L,R=G | | |
| Mar 19 2006 8" | 25mmPL | B,VL,IRREGULAR SHAPE,R=G | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Feb 28 2004 8" | 25mmPL | COMPTER = ARGO NAVIS | | |
| Dec 26 2003 8" | 25mmPL | Q/M COLD | | |
| NGC 1444 | Per | H80-8 | Open Cluster 6.8 IV 1 p | CL OF AB30*12...14 |
| Nov 21 2006 8" | 11mmT6 | F,PS,COMPRESSED,R=F | | |
| NGC 1465 | Per | | Galaxy S0/a | PF,PS,R,PB*NR P |
| Oct 10 2012 18" | 8.8 ES | PF,PS,EON,UB,NND,R=F | | |
| Dec 18 2006 31" | 20mmUW | B,L,EON,NND,R=G | | |
| NGC 1469 | Cam | | Galaxy SA0-: | VF,VS,R,B*NR |
| Oct 12 2012 18" | 7mm TV | PF,PS,OVAL,VEXT,FNUC,R=F,PA=45 | | |
| NGC 1485 | Cam | | Galaxy SAb? sp | EF,PS,R |
| Oct 12 2012 18" | 7mm TV | PF,PS,OVAL,EEXT,UB,NND,R=F,PA=160 | | |
| NGC 1491 | Per | H258-1 | Nebula E | VB,S,IF,BM,R,*INV |
| Oct 31 2010 12" | 11mmT6 | PF,S,R=G,UHC FILTER,IRREGULAR IN SHAPE | | |
| NGC 1501 | Cam | H53-4 | Planetary Neb 3 | PLN,PB,PS,VLE,1'DIAM |
| Oct 06 2004 8" | 11mmT6 | MB,OVAL,HISB,R=G | | |
| NGC 1502 | Cam | H47-7 | Open Cluster 7.0 I 3 m | CL,PRI,CC,IF |
| Nov 26 2006 1.9" | 12x50 | COMPACT, BRIGHT, R=G | | |
| Oct 06 2004 8" | 11mmT6 | OVAL,HISB,R=E | | |
| NGC 1507 | Eri | H279-2 | Galaxy SB(s)m pec? | VF,PL,ME,VLBM,ER |
| Nov 08 2010 12" | 11mmT6 | PF,PS,EON,UB,NND,R=F | | |
| NGC 1508 | Tau | | Galaxy Sc | VF,VS,R,BM,R |
| Dec 18 2006 31" | 20mmUW | PF,PS,OVAL,NND,R=F | | |

Observations Listing by Catalog Number

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|--|--|---|---------------------------------|-----------------------------|
| NGC 1513 Nov 21 2006 8" | Per 11mmT6 | H60-7 F,L,COMPRESSED,R=F | Open Cluster 11.0 II 1 m | CL,L,VRI,PC,ST VL |
| NGC 1514 Dec 04 2004 8" | Tau 11mmT6 | H69-4 VB,HISB,R=G | Planetary Neb 3+2 | *9IN NEB3'DIAM |
| NGC 1517 Dec 18 2006 31" | Tau 20mmUW | CF,CS,OVAL,NND,R=F | Galaxy Scd: | VF,VS,R,R,*9,10SF |
| NGC 1528 Nov 27 2006 1.9" Nov 21 2006 8" | Per 12x50 11mmT6 | H61-7 F,PS,COARSE GROUP,R=F PB,PL,LOOSE GROUP,R=G | Open Cluster 10.0 II 2 m | CL,B,VRI,CC |
| NGC 1530 Oct 12 2012 18" | Cam 7mm TV | PF,S,OVAL,FNUC,R=F | Galaxy SB(rs)b | PB,L |
| NGC 1534 Dec 18 2006 31" | Ret 20mmUW | F,S,R=P,HINT OF NEBULOSITY. | Galaxy SA(rs)0/a: sp | F,S,R,VS*3/4D SF |
| NGC 1535 Feb 17 2012 18" Nov 11 2009 12" Dec 28 2008 31" Nov 21 2006 8" | Eri 11mmT6 7.5mmW 17mmT4 11mmT6 | H26-4 OIII FILTER - VERY NICE PLANETARY B,PS,R=G, NO CENTRAL STAR NOTED. VB,PS,R,R=G,BRIGHT CENTRAL STAR!!, OIII B,PS,R, NO CENTRAL STAR,R=F | Planetary Neb 4+2c | PLN,VB,S,R,PS,VSBM,R |
| NGC 1539 Dec 18 2006 31" | Tau 20mmUW | PF,S,R,NND,R=F | Galaxy C | VF,VS,GBM |
| NGC 1544 Jul 31 2011 12" | Cep 5mm TV | VF,VS,R,UB,NND,R=F | Galaxy S? | VF,VS |
| NGC 1545 Nov 21 2006 8" | Per 11mmT6 | H85-8 B,L,VERY LOOSE,R=F | Open Cluster 9.0 IV 2 p | CL,PRI,LC,ST L |
| NGC 1554 Nov 23 2006 8" | Tau 19mmW | F,PS,DIM PATCH,R=F | Nebula R | VAR,S,R,NN=*13 |
| NGC 1560 Oct 12 2012 18" | Cam 7mm TV | DIFF,VF,S,EON,UB,NND,AV,R=F,PA=120 | Galaxy SA(s)d sp | VF,L,E,*9.3SP |
| NGC 1569 Oct 12 2012 18" | Cam 7mm TV | H768-2 PF,PS,OVAL,PEXT,FNUC,R=G,DISTURBED NE CORNER,PA=45 | Galaxy IBm | PB,S,LE,BNM,*9.5N1' |
| NGC 1573 Oct 12 2012 18" | Cam 7mm TV | PF,PS,OVAL,MEXT,UB,NND,R=F | Galaxy E | VF,S,*9.5F |
| NGC 1579 Oct 12 2012 18" Oct 31 2010 12" | Per 7mm TV 11mmT6 | H217-1 PF,S,NICE NEBULA,OIII NO HELP.R=G, FOUND LOOING FOR PAL2 PF,PS,R=F. FILTER NO HELP | Nebula R | PB,VL,IR,MBM,*8 2'NF |

Observations Listing by Catalog Number

| | | | | |
|---|--|---|----------------------------------|----------------------------|
| NGC 1582 Nov 04 2007 1.9" | Per 12x50 | H70-8 PB,PL,LOOSE,R=F | Open Cluster 9.0 IV 2 p | CL,VL,PRI,LC,ST L |
| NGC 1587 Dec 04 2004 8" | Tau 11mmT6 | H8-2 VF,OVAL,NND,AV,R=F | Galaxy E pec | F,PS,R,R,P OF D NEB |
| NGC 1588 Mar 20 2007 8" | Tau 11mmT6 | H9-2 VF,VS,OVAL,NND,AV,R=F | Galaxy E pec? | F,VS,R,R,F OF DNEB |
| NGC 1589 Dec 04 2004 8" | Tau 11mmT6 | H7-2 VF,EL,EON,AV,R=F | Galaxy Sab sp | F,PL,LE132,*80"NP |
| NGC 1600 Nov 08 2010 12" | Eri 11mmT6 | H158-1 PF,LPS,R,FNUC,MSB,R=F | Galaxy E3 | PB,PL,R,GMBM |
| NGC 1605 Oct 31 2010 12" | Per 11mmT6 | H26-6 PF,PS,R=F | Open Cluster 12.5 III 1 m | CL,VF,PS,C,ST ES |
| NGC 1615 Dec 18 2006 31" | Tau 20mmUW | H8-2 F,S,OVAL,NND,R=F | Galaxy SA0-: | VF,VS,R,LBM,VS*INV |
| NGC 1618 Nov 08 2010 12" | Eri 11mmT6 | H524-2 CF,PS,EON,UB,NND,R=F | Galaxy SB(r)b: | F,S,IF,LBM,2*SF |
| NGC 1622 Nov 08 2010 12" | Eri 11mmT6 | H8-2 PF,PS,EON,UB,NND,R=F | Galaxy SAB(r)ab: | VF,S,*20P5S,1618P |
| NGC 1624 Oct 31 2010 12" | Per 11mmT6 | H49-5 PF,PS,R=F, BETTER GROUP | Open Cluster II 1 p n | F,CL,IF,60R7*+NEB |
| NGC 1637 Nov 08 2010 12" | Eri 11mmT6 | H122-1 PF,PS,OVAL,UB,NND,R=F | Galaxy SAB(rs)c | CB,L,R,VGBM |
| NGC 1647 Nov 04 2007 1.9" Nov 09 2006 8" Dec 04 2004 8" | Tau 12x50 19mmW 11mmT6 | H8-8 PB,PL,R=G F,L,R=F R,R=F, SCATTERED STARS | Open Cluster 9.0 II 2 r | CL,VL,ST L,SC |
| NGC 1653 Dec 15 2004 8" | Eri 11mmT6 | H526-2 MF,R,NND,AV,R=F | Galaxy E+: | F,CS,R,LBM |
| NGC 1661 Feb 03 2005 31" | Ori 11mmT6 | H8-2 VF,MS,EL,OVAL,PATCH,NND,R=F | Galaxy SA(s)bc pec: | VF,VS,BM |
| NGC 1662 Nov 04 2007 1.9" | Ori 12x50 | H1-7 B,S,STARS 12+,R=F | Open Cluster 9.0 II 3 m | CL OF L\$S SC ST |
| NGC 1663 Apr 09 2008 8" | Ori 11mmT6 | H7-8 PF,PS,R=F | Open Cluster IV 2 p c | CL,LRI,ST L\$S |

Observations Listing by Catalog Number

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|------------------|------------|------------------------------|-----------------------------------|-------------------------------|
| NGC 1664 | Aur | H59-8 | Open Cluster 10.0 III 1 p | CL,LRI,LC,PL |
| Dec 28 2006 1.9" | 12x50 | F,S,PATCHY,AV,UNRESOLVED,R=F | | |
| Jan 26 2006 8" | 19mmW | R=F,NOT TOO BAD | | |
| NGC 1667 | Eri | | Galaxy SBc | PF,PS,R,(R) |
| Dec 15 2004 8" | 11mmT6 | VF,OVAL,NND,AV,R=F | | |
| NGC 1682 | Ori | H527-2 | Galaxy E/S0 | VF,VS,1684F12S,*9S4' |
| Dec 04 2004 8" | 11mmT6 | VF,R,NND,AV,R=F | | |
| NGC 1683 | Ori | | Galaxy Sa | VF,R |
| Feb 03 2005 31" | 11mmT6 | DIFF,MB,MS,EL,OVAL,NND,R=G | | |
| NGC 1684 | Ori | H528-2 | Galaxy E+ pec: | PF,PS,R,BM,*9SF |
| Dec 15 2004 8" | 11mmT6 | VF,OVAL,NND,AV,R=F | | |
| Dec 04 2004 8" | 11mmT6 | VF,OVAL,NND,AV,R=G | | |
| Nov 06 2004 8" | 11mmT6 | VF,EL,OVAL,NND,AV,R=F | | |
| NGC 1691 | Ori | | Galaxy (R)SB(s)0/a: | F,S,*11INV |
| Feb 03 2005 31" | 11mmT6 | VF,MS,OVAL,NND,R=F | | |
| NGC 1700 | Eri | H32-4 | Galaxy E4 | CB,S,MBM* |
| Dec 04 2004 8" | 11mmT6 | MB,EL,FNUC,MSB,R=G | | |
| NGC 1708 | Cam | | Open Cluster 10.0 cluster? | CL,VL,PRI,LC,ST L\$\$ |
| Apr 14 2016 12" | 8mm Ds | F,R=F,12-14 LOOSE GROUPING | | |
| NGC 1721 | Eri | | Galaxy (R')SAB(s)0^ p | VF,VS,R |
| Dec 04 2004 8" | 11mmT6 | VF,OVAL,NND,AV,R=F | | |
| NGC 1723 | Eri | | Galaxy SB(r)a pec | F,BET2*9,10N\$\$,3RD*F |
| Dec 04 2004 8" | 11mmT6 | MB,OVAL,FNUC,MSB,R=G | | |
| NGC 1725 | Eri | | Galaxy E/S0 | EF,VS,R |
| Dec 04 2004 8" | 11mmT6 | VF,OVAL,NND,AV,R=F | | |
| NGC 1726 | Eri | | Galaxy SA(s)0^: | F,R,*13,S |
| Dec 15 2004 8" | 11mmT6 | MF,OVAL,FNUC,R=G | | |
| NGC 1728 | Eri | | Galaxy Sa pec sp | VF,VS,R |
| Dec 04 2004 8" | 11mmT6 | VF,EON,NND,AV,R=F | | |
| NGC 1729 | Ori | H503-3 | Galaxy SA(s)c | VF,PL,2B*V NR |
| Nov 21 2006 8" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 1730 | Lep | | Galaxy SB(r)a | F,PS,LE,BET2F* |
| Nov 22 2006 8" | 11mmT6 | PF,S,OVAL,NND,R=F | | |

Observations Listing by Catalog Number

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|------------------|------------|--------------------------------|----------------------------------|-----------------------------|
| NGC 1738 | Lep | | Galaxy SB(s)bc pec: | VF,S,E45 |
| Nov 22 2006 8" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 1744 | Lep | | Galaxy SB(s)d | F,VL,VME,VGVLBM |
| Nov 22 2006 8" | 11mmT6 | DIFF,F,PL,OVAL,NND,R=F | | |
| NGC 1746 | Tau | | Open Cluster 8.0 III 2 p | CL,P |
| Nov 04 2007 1.9" | 12x50 | PB,PL,R=F | | |
| Dec 15 2004 8" | 11mmT6 | R,MSB,R=G | | |
| NGC 1750 | Tau | H43-8 | Open Cluster OCL | CL,ST L,VCSC |
| Dec 15 2004 8" | 11mmT6 | R,MSB,R=G | | |
| NGC 1762 | Ori | H453-3 | Galaxy SA(rs)c: | VF,VS |
| Apr 09 2008 8" | 11mmT6 | PF,PS,OVAL,NND,USB,R=F | | |
| NGC 1778 | Aur | H61-8 | Open Cluster 10.1 III 2 p | CL,PC,LRI,IF,ST L |
| Dec 28 2006 1.9" | 12x50 | PF,PS,PATCHY,AV,UNRESOLVED,R=F | | |
| Jan 26 2006 8" | 19mmW | R=P FEW STARS | | |
| NGC 1779 | Eri | H500-3 | Galaxy (R')SAB(r)0/a? | PB,S,R,GPMBM |
| Nov 24 2006 8" | 11mmT6 | PF,PS,OVAL,NND,AV,R=F | | |
| NGC 1784 | Lep | | Galaxy SB(r)c | PB,PL,VLE,VGBM,AM ST |
| Nov 22 2006 8" | 11mmT6 | PF,L,OVAL,NND,AV,R=F | | |
| NGC 1788 | Ori | H32-5 | Nebula R | B,CL,R,BM,***15,*1'F |
| Nov 21 2006 8" | 11mmT6 | F,S,S,R=F, BRIGHTER THAN SOME. | | |
| NGC 1807 | Tau | | Open Cluster 9.0 II 2 p | CL,PRI,ST L\$\$ |
| Nov 04 2007 1.9" | 12x50 | B,S,PAIR W/NGC 1817,R=F | | |
| Nov 09 2006 8" | 19mmW | F.S.COMPRESSED,R=F | | |
| Dec 15 2004 8" | 11mmT6 | SMALL, FEWER STARTS R=F | | |
| NGC 1808 | Col | | Galaxy (R)SAB(s)a | B,L,E,PSBM |
| Nov 22 2006 8" | 11mmT6 | F,L,OVAL,NND,R=F | | |
| NGC 1817 | Tau | H4-7 | Open Cluster 9.0 IV 2 r | CL,L,RI,LC,ST11...14 |
| Nov 04 2007 1.9" | 12x50 | B,S,PAIR W/NGC 1807,R=F | | |
| Nov 09 2006 8" | 19mmW | F,PS,R=F | | |
| Dec 15 2004 8" | 11mmT6 | SMALL, MANY STARS R=G | | |
| NGC 1821 | Lep | | Galaxy IB(s)m | VF,VS,LE |
| Feb 20 2006 31" | 17mmT4 | MB,MS,OVAL,FNUC,R=G | | |
| NGC 1832 | Lep | H292-2 | Galaxy SB(r)bc | PB,IR,MBM,C*N'F1' |
| Nov 22 2006 8" | 11mmT6 | VF,PL,OVAL,NND,AV,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|------------------------------------|----------------------------------|-------------------------------|
| NGC 1843 | Ori | | Galaxy SAB(s)cd: | F,S,R,LBM |
| Nov 21 2006 8" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 1857 | Aur | H33-7 | Open Cluster 11.0 I 3 m | CL,PRI,PC,ST7... |
| Dec 28 2006 1.9" | 12x50 | F,S,PATCHY,UNRESOLVED,R=F | | |
| Jan 26 2006 8" | 19mmW | R=P, FEW STARS | | |
| NGC 1883 | Aur | H34-7 | Open Cluster 14.0 II 1 m | CL,VF,PRI,PC,IF |
| Jan 26 2006 8" | 19mmW | R=F, FAINT TIGHT GROUP | | |
| NGC 1888 | Lep | H289-2 | Galaxy SB(s)c pec | PB,PL,R,R |
| Nov 22 2006 8" | 11mmT6 | PF,S,EL,OVAL,R=F | | |
| NGC 1893 | Aur | | Open Cluster 9.3 II 3 r n | CL,L,RI,LC |
| Nov 26 2006 1.9" | 12x50 | F,S,R=F | | |
| Jan 26 2006 8" | 19mmW | R=F,DECENT *STARS | | |
| NGC 1904 | Lep | M79 | Globular | GCL,PL,ERI,EC,RRR |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Mar 26 2006 8" | 19mmW | B,PS,,TIGHT,R=F | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Dec 26 2003 8" | 25mmPL | Q/M COLD | | |
| NGC 1907 | Aur | H39-7 | Open Cluster 11.0 I 1 m n | CL,PRI,PC,R,ST9...12 |
| Jan 25 2018 12" | 11mmT6 | NICE OBJECT | | |
| Oct 02 2006 1.9" | 12x50 | CB,CS,R=F. | | |
| Jan 26 2006 8" | 19mmW | R=G, SMALL, TIGHT, BRIGHT | | |
| NGC 1912 | Aur | M38 | Open Cluster 8.0 II 2 r | CL,B,VL,VRI,IF,STL\$\$ |
| Jan 25 2018 12" | 11mmT6 | NICE OBJECT | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Dec 16 2009 12" | 20mmUW | | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Mar 17 2007 1.9" | 12x50 | M.M. BETWEEN CLOUDS | | |
| Oct 29 2006 8" | 19mmW | B,PL,R,R=G | | |
| Oct 02 2006 1.9" | 12x50 | PB,S, R=G | | |
| Mar 19 2006 8" | 25mmPL | B,L,R=G | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Dec 26 2003 8" | 25mmPL | Q/M COLD | | |
| NGC 1924 | Ori | H447-3 | Galaxy SB(r)bc | VF,PL,IR,ST NR |
| Nov 21 2006 8" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 1931 | Aur | H261-1 | Open Cluster I 3 p n | VB,L,R,B***IN M |
| Nov 03 2004 8" | 7.5mmW | NICE CLUSTER | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|------------------------------------|-------------------------------|-----------------------------|
| NGC 1952 | Tau | M1 | Nebula E | VB,VL,E135,VGLBM,R |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Dec 16 2009 12" | 20mmUW | | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Oct 29 2006 1.9" | 12x50 | F,PS,R,R=F | | |
| Mar 26 2006 8" | 19mmW | DIFF,F,L,R=F | | |
| Mar 19 2006 8" | 19mmW | B,L,R=G | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Dec 26 2003 8" | 25mmPL | Q/M COLD | | |
| NGC 1954 | Lep | H590-3 | Galaxy SA(rs)bc pec: | VF,S,R,SMBM |
| Nov 22 2006 8" | 11mmT6 | PF,S,OVAL,NND,AV,R=F | | |
| NGC 1960 | Aur | M36 | Open Cluster 9.0 I 3 r | CL,B,VL,VRI,CL,*9.11 |
| Jan 25 2018 12" | 11mmT6 | HEATERS WORKED. EVERYTHING WORKED | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Dec 16 2009 12" | 20mmUW | | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Mar 17 2007 1.9" | 12x50 | M.M. BETWEEN CLOUDS | | |
| Oct 29 2006 8" | 19mmW | PB,PL,R,R=G | | |
| Oct 02 2006 1.9" | 12x50 | PB,S, R=G, SMALLEST OF THREE | | |
| Mar 19 2006 8" | 25mmPL | B,ML,R=G. BETTER | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Dec 26 2003 8" | 25mmPL | Q/M COLD | | |
| NGC 1961 | Cam | H747-3 | Galaxy SAB(rs)c | CF,PL,IF,MBM,ER,*INV |
| Nov 03 2004 8" | 11mmT6 | VF,EL,OVAL,NND,AV,R=F | | |
| NGC 1964 | Lep | H21-4 | Galaxy SAB(s)b | F,VS,R,VSVMBM,3*INV |
| Dec 04 2004 8" | 11mmT6 | MB,EL,FNUC,MSB,R=G | | |
| NGC 1975 | Ori | | Nebula E | B**INV IN NEB |
| Nov 21 2006 8" | 11mmT6 | B,L,R=G, STARS GLOW | | |
| Feb 20 2006 31" | 31mmT5 | MB,ML,R=G, OIII | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|--|------------------------------------|-----------------------------|
| NGC 1976 | Ori | M42 | Nebula EN+RN | THETAORI \$GREAT NEB |
| Apr 20 2018 12" | 11mmT6 | | | |
| Jan 25 2018 12" | 11mmT6 | NICE OBJECT | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Feb 17 2012 18" | 17mmAT | FIRST OBJECT WITH 18" F/4.5 ASTROSYSTEMS | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Dec 16 2009 12" | 20mmUW | | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Dec 28 2008 31" | 17mmT4 | VB,VL,R=E, TRAP=6 STARS | | |
| Mar 17 2007 1.9" | 12x50 | M.M. BETWEEN CLOUDS | | |
| Sep 08 2006 1.9" | 12x50 | DFF,MB,PL PATCH OF NEB.,R=G | | |
| Apr 17 2006 8" | 19mmW | PB,PL,HISB,R=E | | |
| Mar 19 2006 8" | 19mmW | PB,PL,R=E | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Feb 28 2004 8" | 25mmPL | COMPTER = ARGO NAVIS | | |
| Dec 26 2003 8" | 25mmPL | Q/M COLD | | |
| NGC 1977 | Ori | H30-5 | Open Cluster | 42ORIONIS\$NEB |
| Feb 20 2006 31" | 31mmT5 | B,R=F, STARS LIGHT UP B.N., OIII | | |
| NGC 1979 | Lep | H240-3 | Galaxy SA0: | VF,VS,STELLAR |
| Nov 22 2006 8" | 11mmT6 | VF,PS,OVAL,NND,AV,R=F | | |
| NGC 1980 | Ori | H31-5 | Nebula III 3 m n | VF,VVL,44ORIONIS INV |
| Mar 29 2006 8" | 19mmW | PB,L,R=F | | |
| NGC 1981 | Ori | | Open Cluster 10.0 III 3 p n | CL,VB,LRI,ST L,SC |
| Nov 04 2007 1.9" | 12x50 | PB,L,STARS 10+,R=F | | |
| Apr 17 2006 8" | 19mmW | PB,L,R=F, SCATTERED STARS | | |
| Mar 13 2004 8" | 25mmPL | COMPUTER = ARGO NAVIS | | |
| NGC 1982 | Ori | M43 H1-3 | Nebula E | VB,VL,RW/TAIL,MBM*8 |
| Jan 25 2018 12" | 11mmT6 | NICE OBJECT | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Feb 17 2012 18" | 17mmT4 | SECOND OBJECT | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Dec 16 2009 12" | 20mmUW | | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Mar 17 2007 1.9" | 12x50 | M.M. BETWEEN CLOUDS | | |
| Sep 08 2006 1.9" | 12x50 | DFF,B,LPATCH OF NEB.,R=G | | |
| Mar 19 2006 8" | 19mmW | PB,PL,R=E | | |
| Mar 06 2005 8" | 11mmT6 | VB,VL,VHISB,R=E!!!, OIII FILTER | | |
| Feb 03 2005 31" | 11mmT6 | 480X+,TRAPEZIUM!!!! | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Dec 26 2003 8" | 25mmPL | Q/M COLD | | |
| NGC 1985 | Aur | H865-3 | Nebula R | CF,S,R,PSBM |
| Nov 21 2006 8" | 11mmT6 | F,S,R=P | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|------------------------------------|--------------------------|-----------------------------|
| NGC 1990 | Ori | H34-5 | Nebula E+R | EL,E,EPSILONORI INVP |
| Mar 28 2011 12" | 17mmAT | PF,PS,R=F,OIII FILTER, | SOME NEBULOSITY? | |
| NGC 1999 | Ori | H33-4 | Nebula E | *10,11INV IN NEB |
| Feb 20 2006 31" | 31mmT5 | MB.ML,R=F, OIII | | |
| NGC 2022 | Ori | H34-4 | Planetary Neb 4+2 | PLN,PB,VS,VLE |
| Dec 28 2008 31" | 17mmT4 | F,PS,OVAL,R=G, NO CENTRAL STAR | | |
| Nov 22 2006 8" | 11mmT6 | PF,S,R=F | | |
| Mar 09 2004 8" | 25mmPL | COMPTER = ARGO NAVIS | | |
| NGC 2023 | Ori | H24-4 | Nebula R+E | B*IN M OF L,LE NEB |
| Jan 24 2009 31" | 17mmT4 | PF,PS, HINT OF NEBULOSITY,R=F | | |
| Nov 21 2006 8" | 11mmT6 | PF,S,R=F | | |
| NGC 2024 | Ori | H28-5 | Nebula E | IRR,B,VVL,BLACKSPINC |
| Nov 22 2006 8" | 11mmT6 | B,L,R=G,STARSGLOW,IRREGULARSHAPE | | |
| NGC 2045 | Ori | | Non-Existent | *8,9W/ F NEB |
| Mar 20 2007 8" | 11mmT6 | SINGLE STAR,R=P | | |
| NGC 2068 | Ori | M78 | Nebula R | B,L,WISP,GMBN,3*INV |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Feb 17 2012 18" | 17mmT4 | OBSERVED WITH 18" ASTROSYSTEMS | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Dec 16 2009 12" | 20mmUW | | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Mar 17 2007 1.9" | 12x50 | M.M. BETWEEN CLOUDS | | |
| Oct 29 2006 1.9" | 12x50 | F,S,R=F | | |
| Mar 19 2006 8" | 19mmW | B,L,R=F | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Dec 26 2003 8" | 25mmPL | Q/M COLD | | |
| NGC 2071 | Ori | H36-4 | Nebula R | D*10\$14 W/VF,L CHEV |
| Nov 21 2006 8" | 11mmT6 | PF,PS,R=F | | |
| NGC 2073 | Lep | H241-3 | Galaxy SA(rs)0-: | EF,VS,R,GBM |
| Nov 22 2006 8" | 11mmT6 | VF,VS,R,NND,AV,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|---|-----------------------------------|-----------------------------|
| NGC 2099 | Aur | M37 | Open Cluster 11.0 I 2 r | CL,RI,PCM,ST L\$S |
| Jan 25 2018 12" | 11mmT6 | 1ST LIGHT. 1ST OBJECT | | |
| Jul 25 2017 12" | 11mmT6 | 1ST LIGHT - 1ST OBJECT. ALL EYEPIECES CAME INTO FOCUS | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Dec 16 2009 12" | 20mmUW | | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Mar 17 2007 1.9" | 12x50 | M.M. BETWEEN CLOUDS | | |
| Oct 29 2006 8" | 19mmW | CB,CL,R,R=G | | |
| Oct 02 2006 1.9" | 12x50 | PB,L,R=G, LARGEST OF THREE | | |
| Mar 19 2006 8" | 25mmPL | B,ML,R=E. TIGHTER GROUP. BEST OF 3 | | |
| Apr 05 2004 8" | 25mmPL | FULLMOON - **MEGASTAR CONTROL** | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Feb 28 2004 8" | 25mmPL | COMPTER = ARGO NAVIS | | |
| Dec 26 2003 8" | 25mmPL | Q/M COLD | | |
| NGC 2106 | Lep | | Galaxy SB(s)0^ | VF,S,VLE,GBM |
| Nov 22 2006 8" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 2112 | Ori | H24-7 | Open Cluster 10.0 II 2 m n | CL,PL,LRI,PC,ST S |
| Nov 21 2006 8" | 11mmT6 | F,S,LOOSER,R=F | | |
| NGC 2124 | Lep | H225-3 | Galaxy SA(s)b? | EEF,PS,E,R |
| Nov 22 2006 8" | 11mmT6 | VF,CS,EON,NND,R=F | | |
| NGC 2126 | Aur | H68-8 | Open Cluster 13.0 III 2 m | CL,NOT RI,*7M NORTH |
| Jan 26 2006 8" | 19mmW | R=F, SMALL, LOOSE , GROUP | | |
| NGC 2128 | Cam | | Galaxy S0-: | VF,VS,VLE |
| Oct 12 2012 18" | 7mm TV | PF,PS,OVAL,FNUC,R=F | | |
| NGC 2129 | Gem | H26-8 | Open Cluster 10.0 I 3 m | CL,PL,40OR50ST8...15 |
| Dec 15 2004 8" | 11mmT6 | R, R=G | | |
| NGC 2139 | Lep | H264-2 | Galaxy SAB(rs)cd | F,S |
| Nov 22 2006 8" | 11mmT6 | VF,PS,OVAL,NND,R=F | | |
| NGC 2141 | Ori | | Open Cluster 15.0 I 2 r | F,PS,DIF, |
| Nov 21 2006 8" | 11mmT6 | F,S,LOOSER,R=F | | |
| NGC 2146 | Cam | | Galaxy SB(s)ab pec | PB,2'L,LE |
| Oct 12 2012 18" | 7mm TV | PF,S,OVAL,FNUC,R=G,SPIRAL, NORTH/SOUTH ARMS | | |
| NGC 2146A | Cam | | Galaxy SAB(s)c: | |
| Oct 12 2012 18" | 7mm TV | PF,PS,OVAL,MEXT,UB,NND,R=F,PA=120 | | |
| NGC 2158 | Gem | H17-6 | Open Cluster 15.0 II 3 r | CL,PS,MC,VRI,IRRTRI |
| Dec 04 2004 8" | 11mmT6 | OVAL,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|---|---------------------------------|-----------------------------|
| NGC 2168 | Gem | M35 | Open Cluster 8.0 III 3 r | CL,VL,CRI,PC,ST9..16 |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Dec 16 2009 12" | 20mmUW | | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Dec 28 2006 1.9" | 12x50 | B,L,RESOLVE OUTER STARS,R=G | | |
| Oct 02 2006 1.9" | 12x50 | VB,VL,R=E. VERY NICE CLUSTER. | | |
| Mar 19 2006 8" | 19mmW | PB,PL,R=G. LOTS OF STARS | | |
| Apr 05 2004 8" | 25mmPL | FULLMOON - **MEGASTAR CONTROL** | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Dec 26 2003 8" | 25mmPL | Q/M COLD | | |
| NGC 2169 | Ori | H24-8 | Open Cluster 6.9 III 3 m | CL,S,LRI,PMC,** |
| Nov 04 2007 1.9" | 12x50 | PF,S,R=F | | |
| Apr 17 2006 8" | 19mmW | B,S,R=F | | |
| Nov 06 2004 8" | 11mmT6 | NICE SHAPE | | |
| NGC 2170 | Mon | H19-4 | Nebula R | *9 INV,PL,NEB,E170 |
| Mar 28 2011 12" | 17mmAT | SMALL, FAINT,IRREGULAR,R=F, OIII FILTER | | |
| NGC 2179 | Lep | | Galaxy SA(s)0/a | F,PS,VME,GLBM |
| Nov 22 2006 8" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 2182 | Mon | H38-4 | Nebula R | PB**,L*NEB,E90 |
| Mar 28 2011 12" | 11mmT6 | VF,VS,IRREGULAR,R=F, OIII | | |
| NGC 2183 | Mon | | Nebula R | EF,S,LE,*11,12SP |
| Mar 13 2007 8" | 11mmT6 | PF,PS,R=F,HINT OF NEBULOSITY | | |
| NGC 2185 | Mon | H20-4 | Nebula R | *11\$4S*IN VF,L,NEB |
| Mar 13 2007 8" | 11mmT6 | PF,PS,R=F,HINT OF NEBULOSITY | | |
| NGC 2186 | Ori | H25-7 | Open Cluster 12.0 II 2 m | CL,PL,PRI,PC,ST L\$S |
| Mar 29 2006 8" | 11mmT6 | F,S,R=F | | |
| NGC 2192 | Aur | H57-7 | Open Cluster 14.0 II 2 m | CL,CL,C,IF,ST VS |
| Jan 26 2006 8" | 19mmW | R=F, SMALL, LOOSE , GROUP | | |
| NGC 2194 | Ori | H5-6 | Open Cluster 13.0 II 2 r | CL,L,RI,GVMCM |
| Mar 29 2006 8" | 11mmT6 | F,S,R=F | | |
| NGC 2196 | Lep | H265-2 | Galaxy (R')SA(s)a | PF,PS,VLE,PMBM,ST NR |
| Nov 22 2006 8" | 11mmT6 | VF,PS,OVAL,NND,AV,R=F | | |
| NGC 2204 | CMa | H13-7 | Open Cluster 13.0 II 2 r | CL,L,PRI,LC |
| Feb 10 2005 8" | 11mmT6 | DIFFUSED,ML,R,R=G | | |

Observations Listing by Catalog Number

| | | | | |
|---|---|---|----------------------------------|-----------------------------|
| NGC 2206 Feb 10 2005 8" | CMa 11mmT6 | VF,VS,NND,AV,R=F | Galaxy SAB(rs)bc: | F,PS,VLE,PSLBM |
| NGC 2207 Dec 19 2006 31" Feb 10 2005 8" | CMa 17mmT4 11mmT6 | PB,CL,EON,BNUC,HISB,R=G VF,EL,OVAL,NND,AV,R=F | Galaxy SAB(rs)bc pec | PB,PL,ME87,PSLBMRN |
| NGC 2215 Mar 29 2006 8" | Mon 19mmW | H20-7 F,S,R=F | Open Cluster 11.0 II 2 m | CL,CL,PRI,PC,ST11.15 |
| NGC 2217 Feb 10 2005 8" | CMa 11mmT6 | MF,MS,OVAL,FNUC,R=G | Galaxy (R)SB(rs)0+ | VB,S,R,PSMBM,R |
| NGC 2223 Feb 10 2005 8" | CMa 11mmT6 | MF,ML,OVAL,FNUC,R=G | Galaxy SAB(r)b | F,PL,R,VGLBM,2STINV |
| NGC 2227 Feb 10 2005 8" | CMa 11mmT6 | MB,MS,OVAL,FNUC.R=G | Galaxy SB(rs)c | EF,R,** 90"P |
| NGC 2232 Mar 13 2007 8" Mar 08 2007 1.9" Mar 09 2004 8" | Mon 19mmW 12x50 25mmPL | H25-8 PB,PL,R=F,LOOSE GROUP FB,S,LOOSE,R=F COMPTER = ARGO NAVIS | Open Cluster 5.0 III 2 p | B* 10MON +CL |
| NGC 2236 Nov 25 2006 8" | Mon 11mmT6 | H5-7 CB,CL,LOOSE,R=F | Open Cluster 12.0 II 2 m | CL,PRI,PC,*10,12..15 |
| NGC 2237 Feb 10 2005 8" Mar 13 2004 8" | Mon 11mmT6 25mmPL | VB,VL,R=G COMPUTER = ARGO NAVIS | Nebula E | PB,VVL,DIF,(2238) |
| NGC 2243 Feb 10 2005 8" | CMa 11mmT6 | MF,MS,R,R=F, COMPACT | Open Cluster 11.8 I 2 r | PB,CL,R,VGLBM,4' |
| NGC 2244 Mar 08 2007 1.9" Feb 10 2005 8" Mar 13 2004 8" | Mon 12x50 11mmT6 25mmPL | H2-7 PB,S,VFAINT NEBULOSITY,R=F VB,VL,R=G COMPUTER = ARGO NAVIS | Open Cluster 7.0 II 3 r n | CL,BEAUTIFUL,STSC |
| NGC 2245 Mar 28 2011 12" | Mon 11mmT6 | H3-4 PF,VS,R=F,OIII | Nebula R | PL,COM,MBN SFALM* |
| NGC 2250 Nov 25 2006 8" | Mon 11mmT6 | B,L,LOOSE,R=F | Open Cluster 8.7 IV 2 p | CL,PRI,LC,IF,*812.14 |
| NGC 2251 Nov 04 2007 1.9" Mar 29 2006 8" | Mon 12x50 19mmW | H3-8 F,S,R=F B,L,R=F | Open Cluster 9.1 III 2 m | CL,VL,E,RI,LC |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|-----------------------------------|-----------------------------------|-----------------------------|
| NGC 2252 | Mon | H50-8 | Open Cluster 9.0 III 2 m n | CL,VL,PRI,LC,STS |
| Apr 09 2008 8" | 11mmT6 | PB,L,R=G | | |
| Mar 13 2004 8" | 25mmPL | COMPUTER = ARGO NAVIS | | |
| NGC 2253 | Cam | H54-7 | Open Cluster | VF,ST ES |
| Mar 28 2011 12" | 5mm TV | NON-EXISTENT PER NGC/IC PROJECT. | | |
| NGC 2254 | Mon | H22-7 | Open Cluster 12.0 I 1 m | CL,S,PC,IF,*11...13 |
| Nov 25 2006 8" | 11mmT6 | VF,PS,LOOSE,R=F | | |
| NGC 2256 | Cam | | Galaxy SAB0-? | F,R,*9.5 3'SF |
| Oct 12 2012 18" | 7mm TV | DIFF,PF,PS,R,UB,NND,R=F | | |
| NGC 2258 | Cam | | Galaxy SA(r)0^ | F,2*10,11F |
| Oct 12 2012 18" | 7mm TV | PF,PS,OVAL,FNUC,R=F | | |
| NGC 2259 | Mon | H28-6 | Open Cluster 14.0 II 1 p n | CL,CRI,EC,IF,ST ES |
| Nov 25 2006 8" | 11mmT6 | CB,S,LOSE,R=F | | |
| NGC 2261 | Mon | H2-4 | Nebula E+R | B,VME330,N COM=*11 |
| Mar 28 2011 12" | 11mmT6 | VF,VS,R=F,OIII | | |
| NGC 2262 | Mon | H37-7 | Open Cluster II 1 m | CL,VC,IR,BM,ST ES |
| Nov 25 2006 8" | 11mmT6 | F,PS,R=F | | |
| NGC 2263 | CMa | | Galaxy (R')SB(r)ab | PF,LE,BET2VS*,PSLBM |
| Feb 10 2005 8" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 2264 | Mon | H5-8 | Open Cluster 5.0 III 3 m n | 15MON,CL,**,(NEB) |
| Mar 13 2007 8" | 19mmW | PB,PL,R-G | | |
| Mar 08 2007 1.9" | 12x50 | PB,S,R=F | | |
| Apr 05 2004 8" | 25mmPL | FULLMOON - **MEGASTAR CONTROL** | | |
| Mar 09 2004 8" | 25mmPL | COMPTER = ARGO NAVIS | | |
| NGC 2266 | Gem | H21-6 | Open Cluster 11.0 II 2 m | CL,PS,EC,RI,ST11..15 |
| Mar 04 2006 8" | 19mmW | MB,S,R=F | | |
| NGC 2268 | Cam | | Galaxy SAB(r)bc | PF,PL,LE |
| Oct 12 2012 18" | 7mm TV | PF,PS,OVAL,MEXT,FNUC,R=G, MOTTLED | | |
| NGC 2269 | Mon | H3-6 | Open Cluster 10.0 II 1 p | CL,VMC,NOT RI,ST VS |
| Nov 25 2006 8" | 11mmT6 | F,PS,R=F | | |
| NGC 2272 | CMa | | Galaxy SAB(s)0- | PF,PS,VLE,BM,R |
| Feb 10 2005 8" | 11mmT6 | VF,VS,EL,NND,AV,R=F | | |
| NGC 2273 | Lyn | | Galaxy SB(r)a: | F,S,IR,(R) |
| Nov 10 2012 18" | 7mm TV | PF,PS,OVAL,FNUC,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|--|---------------------------------|-----------------------------|
| NGC 2273B | Lyn | | Galaxy SB(rs)cd: | |
| Nov 10 2012 18" | 7mm TV | DIFF,VF,PS,OVAL,UB,NND,AV2,R=F | | |
| NGC 2274 | Gem | H615-2 | Galaxy E | F,S,BM |
| Apr 09 2008 8" | 11mmT6 | PF,VS,EON,NND,LSB,AV,R=F | | |
| NGC 2276 | Cep | | Galaxy SAB(rs)c | F,60",LBM |
| May 22 2004 8" | 25mmPL | DECENT NIGHT - MEGASTAR CONTROL | | |
| NGC 2280 | CMa | | Galaxy SA(s)cd | PF,PL,LE,GBM |
| Feb 10 2005 8" | 11mmT6 | DIFFUSE,MF,ML,EL,OVAL,NND,R=G | | |
| NGC 2281 | Aur | H71-8 | Open Cluster 8.0 I 3 m | CL,PRI,VLC,ST PL |
| Nov 26 2006 1.9" | 12x50 | B,S,RESOLVE 4-5+,R=G | | |
| Nov 09 2006 8" | 19mmW | F,PS,R=F | | |
| Apr 05 2004 8" | 25mmPL | FULLMOON - **MEGASTAR CONTROL** | | |
| NGC 2282 | Mon | | Nebula R | *10IN F,R,NEBY |
| Nov 25 2006 8" | 11mmT6 | F,S,R=F,SOMENEBULA | | |
| NGC 2283 | CMa | H271-3 | Galaxy SB(s)cd | 3OR4S*+NEB |
| Feb 10 2005 8" | 11mmT6 | MB,ML,OVAL,PATCHY,FNUC,R=G | | |
| NGC 2286 | Mon | H31-8 | Open Cluster 9.0 III 2 m | CL,L,C,AB100*9...15 |
| Mar 29 2006 8" | 19mmW | B,L,R=F | | |
| NGC 2287 | CMa | M41 | Open Cluster 8.0 I 3 r | CL,VL,B,LC,ST 8... |
| Jan 02 2016 1.9" | 12x50 | SOFT PATCH OF STARS ABOUT 4 DEGREES WEST OF 3-STAR ASTERISM. | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Mar 10 2007 1.9" | 12x50 | VB,VL,NND,R=G, RESOLVE 12+ | | |
| Mar 19 2006 8" | 25mmPL | B,L,R=G | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Mar 13 2004 8" | 25mmPL | COMPUTER = ARGO NAVIS | | |
| Dec 30 2003 8" | 25mmPL | H/M COLD. | | |
| NGC 2289 | Gem | H898-3 | Galaxy S0 | EF,VS |
| Sep 24 2016 12" | 17mmT4 | B,L,R=E. CAROLINE'S ROSE. | | |
| NGC 2293 | CMa | | Galaxy SAB(s)0+ pec | PB,R,GBM,DWI92,AM ST |
| Nov 22 2006 8" | 11mmT6 | VF,VS,OVAL,AV,R=G | | |
| NGC 2296 | CMa | | Nebula E | VF,VS,R |
| Mar 20 2007 8" | 11mmT6 | VF,PS,OVAL,NND,AV,R=F | | |
| NGC 2300 | Cep | | Galaxy SA0^ | PB,PL,LE,BM |
| Aug 21 2004 8" | 11mmT6 | CLEAR SKIES - H.H. LITE. 1ST REAL TEST | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|------------------------------------|----------------------------------|-----------------------------|
| NGC 2301 | Mon | H27-6 | Open Cluster 8.0 I 3 r | CL,RI,L,IF,ST L\$S |
| Mar 08 2007 1.9" | 12x50 | PB,S,COMPRESSED,R=F | | |
| Mar 29 2006 8" | 19mmW | PB,L,R=G | | |
| NGC 2302 | Mon | H39-8 | Open Cluster 12.0 III 2 m | CL,L,P,LC |
| Apr 09 2008 8" | 11mmT6 | B,S,SPARSE,R=F | | |
| NGC 2304 | Gem | H2-6 | Open Cluster II 1 m | CL,PL,RI,MC,ST VS |
| Mar 04 2006 8" | 19mmW | F,S,R=F | | |
| NGC 2309 | Mon | H18-6 | Open Cluster 13.0 I 2 m | CL,PL,PRI,MC,ST13 |
| Nov 25 2006 8" | 11mmT6 | F,PS,R=F,COMPRESSED | | |
| NGC 2311 | Mon | H60-8 | Open Cluster 12.0 III 2 m | CL,LC,NOT RI |
| Mar 29 2006 8" | 19mmW | N.S.R=F | | |
| NGC 2314 | Cam | | Galaxy E3 | VF,S,R |
| Feb 01 2005 31" | 17mmT4 | MB,ML,EL,FNUC,MSB,R=G | | |
| NGC 2315 | Lyn | | Galaxy S0/a | EF |
| Nov 10 2012 18" | 7mm TV | PF,VS,EON,UB,NND,R=F,PA=45 | | |
| NGC 2316 | Mon | H304-2 | Nebula E+R | PF,S,R,R,S ST INV |
| Mar 28 2011 12" | 11mmT6 | PF,VS,R=F,OIII | | |
| NGC 2320 | Lyn | H861-2 | Galaxy E | PB,S,IR,GBM,*8SP |
| Nov 10 2012 18" | 7mm TV | PF,PS,OVAL,FNUC,R=F | | |
| NGC 2321 | Lyn | | Galaxy SBa | VF,12'N OF2320 |
| Nov 10 2012 18" | 7mm TV | VF,PS,OVAL,UB,NND,AV2,R=F | | |
| NGC 2322 | Lyn | H874-3 | Galaxy SBa: | VF,VS,LE |
| Nov 10 2012 18" | 7mm TV | PF,VS,OVAL,VEXT,HSB,R=G | | |
| NGC 2323 | Mon | M50 | Open Cluster 9.0 II 3 r | CL,VL,RI,PC,E, |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Mar 08 2007 1.9" | 12x50 | B,PL,RICH PATCH, RESOLVE 7+ STARS | | |
| Mar 19 2006 8" | 25mmPL | B,ML,R=F | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Mar 09 2004 8" | 25mmPL | COMPTER = ARGO NAVIS | | |
| NGC 2324 | Mon | H38-7 | Open Cluster 12.0 II 2 r | CL,L,RI,CC,ST12...16 |
| Nov 25 2006 8" | 11mmT6 | F,SMALL-COMPRESSED,R=G | | |
| NGC 2325 | CMA | | Galaxy E4 | PB,PL,LE,GBM |
| Feb 10 2005 8" | 11mmT6 | MF,MS,OVA,PATCHY,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|---|--------------------------------|--|--|-----------------------------|
| NGC 2326 Nov 10 2012 18" | Lyn 7mm TV | H734-2 PF,PS,OVAL,MEXT,UB,NND,R=F | Galaxy SB(rs)b | VF,PL,IR,PSMBM,ST P |
| NGC 2326A Nov 10 2012 18" | Lyn 7mm TV | | Galaxy SA(s)m: VF,VS,OVAL,UB,NND,AV2,R=F | |
| NGC 2327 Mar 28 2011 12" | CMa 7mm TV | H25-4 SMALL,FAINT,R=F,OIII | Nebula | PB**INV INS,VF,NEB |
| NGC 2331 Apr 09 2008 8" Nov 25 2006 8" | Gem 11mmT6 11mmT6 | H40-8 F,S,SCATTERED,R=F F,LOOSE GROUP,R=F | Open Cluster 9.0 IV 2 m | CL,L,VLC,S CL INV |
| NGC 2332 Nov 10 2012 18" | Lyn 7mm TV | H862-2 PF,PS,OVAL,MEXT,UB,NND,R=F | Galaxy S0: | F,S,R,PSBM |
| NGC 2335 Mar 29 2006 8" | Mon 19mmW | H32-8 F,PS,R=F | Open Cluster 10.0 III 2 m n | CL,L,LC |
| NGC 2336 Oct 12 2012 18" | Cam 7mm TV | | Galaxy SAB(r)bc F,S,OVAL,MEXT,UB,NND,R=F | PB,PL,R,2*11NR |
| NGC 2337 Nov 16 2012 18" | Lyn 7mm TV | | Galaxy IBm PF,PS,OVAL,UB,R=G | EF,S,E |
| NGC 2339 Dec 15 2004 8" | Gem 11mmT6 | H769-2 VF,OVAL,NND,AV,R=F | Galaxy SAB(rs)bc | PB,PL,R,GLBM |
| NGC 2340 Nov 16 2012 18" Feb 01 2005 31" | Lyn 7mm TV 17mmT4 | H736-2 PF,PS,OVAL,UB,NND,R=F MB,ML,EL,OVAL,FNUC,MSB,R=G | Galaxy E | PF,S,R,GLBM,R |
| NGC 2342 Nov 25 2006 8" | Gem 11mmT6 | | Galaxy S pec VF,S,R,NND,AV,R=F | PF,S,LE,VLBM |
| NGC 2343 Mar 29 2006 8" | Mon 19mmW | H33-8 F,PS,R=F | Open Cluster 8.0 II 2 p n | CL,CL,P,LC |
| NGC 2345 Feb 10 2005 8" | CMa 11mmT6 | | Open Cluster 9.0 II 3 r ML,R=G | CL,PL,PRI,GBM,*10.14 |
| NGC 2346 Feb 17 2012 18" Apr 09 2008 8" | Mon 11mmT6 11mmT6 | H65-4 OIII FILTER - VERY NICE PLANETARY PF,PS,NO CENTRAL STAR,R=F | Planetary Neb 3b+4 | *10AFF W/ S,VF,NEB |
| NGC 2347 Feb 01 2005 31" | Cam 17mmT4 | H746-3 VB,ML,OVAL,SNUC,HISB,R=G | Galaxy (R')SA(r)b: | VF,S,R,LBM |

Observations Listing by Catalog Number

| | | | |
|--|---|---|--|
| NGC 2350 Mar 13 2007 8" | CMi 11mmT6 | Galaxy S0/a PB,S,R=F,RESOLVE 12+ STARS | EF,ES,IR |
| NGC 2351 Feb 17 2012 18" | CMa 17mmT4 | Non-Existent OIII FILTER - THOR'S HELMUT - GREAT OBJECT | CL,LC,**TAKEN |
| NGC 2353 Mar 29 2006 8" | Mon 19mmW | H34-8 SMALLER, BRIGHTER,L,R=G | Open Cluster 9.0 III 3 p CL,L,LC,ONEVB* |
| NGC 2354 Mar 13 2004 8" | CMa 25mmPL | H16-7 COMPUTER = ARGO NAVIS | Open Cluster 9.1 III 2 r CL,CRI,LC |
| NGC 2355 Mar 04 2006 8" | Gem 19mmW | H6-6 B,S,R=F | Open Cluster 13.0 II 2 m CL,PS,PRI,MC,*15..16 |
| NGC 2359 Dec 12 2012 36" Apr 14 2010 16" Dec 28 2008 31" Mar 10 2007 8" Dec 20 2006 31" Dec 19 2006 31" | CMa 17mmT4 26mm 31mmT5 19mmW 31mmT5 31mmT5 | H21-5 OUSTANDING OBJECT WOIII FILTER AND VERY GOOD TRANSPARENCY. PB,PL,OVAL,UB,NND.R=G PB,PL,R=E!!, BEAUTIFUL PB,L,NEBULOSITY,R=G,OIII FILTER VB,EL,NEBULOSITY!!,R=E!!!!,OIII FILTER PB,EL,PATCH,R=E,HINT-NEBULOSITY,NO FILTER | Nebula E VF,VVL,VIF |
| NGC 2360 Mar 13 2007 8" Dec 18 2006 1.9" Mar 13 2004 8" | CMa 19mmW 12x50 25mmPL | H12-7 F,S,R=F,RESOLVE 7+ STARS F,S,R=F,UNCOMPRESSED GROUP COMPUTER = ARGO NAVIS | Open Cluster 10.4 I 3 r CL,VL,RI,PC,ST9...12 |
| NGC 2362 Feb 10 2005 8" | CMa 11mmT6 | H17-7 VB,ML,R,R=G | Open Cluster 8.0 I 3 r CL,PL,RI,30CMA |
| NGC 2363 Feb 01 2005 31" | Cam 17mmT4 | Galaxy Irr VF,VS,OVAL,NND,R=F | NEB* OR VFVS,2366SF |
| NGC 2366 Feb 01 2005 31" | Cam 17mmT4 | H748-3 MF,ML,PATCHY,NUC,R=G | Galaxy Irr VF,PL,MBM,CVEDTAILS |
| NGC 2367 Feb 10 2005 8" | CMa 11mmT6 | H27-8 MS,R,R=F, SMALL & TIGHT | Open Cluster 9.4 II 3 m CL,S,P,LC |
| NGC 2368 Nov 25 2006 8" Nov 25 2006 8" | Mon 11mmT6 11mmT6 | Open Cluster IV 1 p F,S,LOOSER,R=F F,S,LOOSER,R=F | CL,S,PRI,ST15 |
| NGC 2371 Feb 23 2006 31" Dec 04 2004 8" | Gem 19mmW 7.5mmW | H316-2 FAIRLY LONG, ELONG,MSB,R=G MF,OVAL,R=G | Planetary Neb 3a+2 B,S,R,BMN,P OF DNEB |

Observations Listing by Catalog Number

| | | | | |
|--|--|--|---------------------------------|-----------------------------|
| NGC 2372 Nov 21 2006 8" | Gem 11mmT6 | H317-2 B,S,OVAL,R=F | Non-Existent | PB,S,R,BMN,F OF DNEB |
| NGC 2374 Feb 10 2005 8" | CMa 11mmT6 | H35-8 MB,ML,R=G | Open Cluster 10.7 IV 2 p | CL,VL,PRI,LC,ST L |
| NGC 2383 Mar 13 2004 8" | CMa 25mmPL | COMPUTER = ARGO NAVIS | Open Cluster 9.8 II 3 m | CL,PS,PMC,ST12 |
| NGC 2384 Mar 13 2004 8" | CMa 25mmPL | COMPUTER = ARGO NAVIS | Open Cluster 8.6 IV 3 p | CL,LC,BIFID,** |
| NGC 2392 May 22 2015 12" Dec 04 2004 8" Nov 06 2004 8" | Gem 8mm Ds 7.5mmW 11mmT6 | H45-4 NO FILTER NEEDED CENTRAL STAR VISIBLE VB,R,HISB,R=E!!! NOT A BAD PLANETARY | Planetary Neb 3b+3b | B,S,R,*9M,*8NF100" |
| NGC 2395 Mar 04 2006 8" | Gem 19mmW | H11-8 F,S,R=F | Open Cluster 10.0 IV 2 m | CL,PRI,C |
| NGC 2396 Mar 28 2011 12" | Pup 11mmT6 | H36-8 PF,PS,LOOSE,R=F | Open Cluster 11.0 IV 1 m | CL,VL,VLC |
| NGC 2403 Nov 26 2006 1.9" Oct 06 2004 8" | Cam 12x50 11mmT6 | H44-5 PF,PS,OVAL,AV,R=F MB,EL,OVAL,NND,R=G | Galaxy Sc | CB,EL,VME,VGMBMN |
| NGC 2414 Mar 28 2011 12" | Pup 11mmT6 | H37-8 F,PS,R=F,TIGHT | Open Cluster 8.2 I 3 m | CL,P,LC,ST9,\$C |
| NGC 2415 Mar 16 2010 12" | Lyn 11mmT6 | H821-2 CF,CS,OVAL,UB,NND,R=F | Galaxy Im? | PB,CS,R,VGVLBM,R, |
| NGC 2419 Dec 04 2004 8" | Lyn 7.5mmW | H218-1 OVAL,R=G | Globular | PB,PL,LE90,VGBM,*4'F |
| NGC 2420 Mar 04 2006 8" | Gem 19mmW | H1-6 ML,PB,R=G | Open Cluster 11.0 I 1 r | CL,CL,RI,C,ST11...18 |
| NGC 2421 Mar 13 2007 8" | Pup 19mmW | H67-7 F,PL,R=F,DIM PATCH | Open Cluster 11.0 I 2 r | CL,L,CRI,*11...13 |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|------------------------------------|---------------------------------|-----------------------------|
| NGC 2422 | Pup | M47 H38-8 | Open Cluster 5.0 I 3 m | CL,B,VL,PRI,ST L\$\$ |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Mar 19 2006 8" | 25mmPL | PB,R=G | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Dec 30 2003 8" | 25mmPL | H/M COLD | | |
| NGC 2423 | Pup | H28-7 | Open Cluster 9.0 II 2 m | CL,VL,RI,PC,ST VS |
| Mar 13 2007 8" | 19mmW | F,PL,R=G,DIM PATCH | | |
| NGC 2426 | Lyn | H822-2 | Galaxy E | CF,R,VGBM,R,*8P |
| Nov 10 2012 18" | 7mm TV | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 2429A | Lyn | | Non-Existent | |
| Nov 10 2012 18" | 7mm TV | VF,VS,EON,UB,NND,R=F | | |
| Feb 01 2005 31" | 17mmT4 | MB,EL,EON,FNUC,MSB,R=G | | |
| NGC 2431 | Lyn | H829-3 | Galaxy (R')SB(s)a: | EF,VS,R,BM |
| Feb 01 2005 31" | 17mmT4 | MB,EL,OVAL,NND,R=G | | |
| NGC 2432 | Pup | H36-6 | Open Cluster II 2 m | CL,PL,PC,E0,ST L\$\$ |
| Mar 28 2011 12" | 11mmT6 | F,S,R=F,TIGHT IN A LINE | | |
| NGC 2437 | Pup | M46 | Open Cluster 10.0 II 2 r | CL,VB,VRI,VL,INV PLN |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Mar 19 2006 8" | 25mmPL | B,ML,R=F | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Dec 30 2003 8" | 25mmPL | H/M COLD | | |
| NGC 2438 | Pup | H39-4 | Planetary Neb 4+2 | PLN,PB,PS,VLE,R |
| Feb 17 2012 18" | 11mmT6 | OIII FILTER - VERY NICE PLANETARY | | |
| Mar 13 2007 8" | 7.5mmW | VF,VS,R=F, NO CENTRAL STAR | | |
| NGC 2440 | Pup | H64-4 | Planetary Neb 5+3 | PLN,CB,NOT VWELL DEF |
| Feb 17 2012 18" | 7mm TV | OIII FILTER - VERY NICE PLANETARY | | |
| Mar 13 2007 8" | 7.5mmW | F,PS,R=F,IRREGULAR IN SHAPE | | |
| NGC 2441 | Cam | | Galaxy SAB(r)b: | VF,PS |
| Feb 01 2005 31" | 17mmT4 | MB,ML,OVAL,FNUC,MSB,R=G | | |
| NGC 2446 | Lyn | | Galaxy Sb | F,AM4* |
| Feb 01 2005 31" | 17mmT4 | MB,OVAL,PATCH,NND,R=G | | |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|---|-------------------------------|-----------------------------|
| NGC 2447 | Pup | M93 | Open Cluster 9.0 I 3 r | CL,L,PRI,LC,ST8...13 |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Mar 19 2006 8" | 25mmPL | B,FS,R=G. SMALL TIGHT GROUP | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Dec 30 2003 8" | 25mmPL | H/M COLD | | |
| NGC 2452 | Pup | | Planetary Neb 4+3 | PLN,F,S,LE,AM60* |
| Nov 22 2006 8" | 11mmT6 | PF,PS,R=F | | |
| NGC 2456 | Lyn | | Galaxy E | VF,R,VGBM |
| Feb 01 2005 31" | 17mmT4 | MB,S,R,PATCH,NND,R=G | | |
| NGC 2457 | Lyn | | Galaxy Sbc | F,PL,R,2456SP |
| Feb 01 2005 31" | 17mmT4 | VF,VS,OVAL,PATCH,NND,AV,R=F | | |
| NGC 2458 | Lyn | | Galaxy | VF,*12CLOSE |
| Feb 01 2005 31" | 17mmT4 | VF,S,OVAL,NND,AV,R=F | | |
| NGC 2460 | Cam | | Galaxy SA(s)a | F,S,R,S*CENTRE |
| Oct 12 2012 18" | 7mm TV | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 2462 | Lyn | | Galaxy | VF,VS,VLBM |
| Feb 01 2005 31" | 17mmT4 | VF,OVAL,NND,AV,R=F | | |
| NGC 2463 | Lyn | | Galaxy | EF,R |
| Nov 10 2012 18" | 7mm TV | VF,VS,R,UB,NND,AV3,R=P | | |
| NGC 2467 | Pup | H22-4 | Open Cluster I 3 m n | PB,VL,R,ER,*8M |
| Mar 28 2011 12" | 11mmT6 | F,S,R=G, NICE GROUP W/ASSOCIATED NEBULOSITY | | |
| NGC 2468 | Lyn | | Galaxy SA0: | F,R,BM |
| Nov 10 2012 18" | 7mm TV | VF,VS,OVAL,UB,NND,R=F | | |
| NGC 2469 | Lyn | H836-3 | Galaxy Sbc pec: | F,VS,R,*9SF |
| Nov 10 2012 18" | 7mm TV | PF,VS,OVAL,UB,NND,R=F | | |
| NGC 2472 | Lyn | | Galaxy Sb | 2OF10NEB IN LINE |
| Nov 10 2012 18" | 7mm TV | VF,VS,OVAL,UB,NND,R=F | | |
| NGC 2474 | Lyn | H830-3 | Galaxy E0 | F,PS,(E),(BMVS*)L*NF |
| Nov 10 2012 18" | 7mm TV | VF,VS,R,UB,NND,R=F,PAIRED W/NGC-2475 | | |
| NGC 2475 | Lyn | | Galaxy E1 | DNEB W/2474 |
| Nov 10 2012 18" | 7mm TV | VF,VS,R,UB,NND,R=F,PAIRED W/NGC-2474 | | |

Observations Listing by Catalog Number

| | | | | |
|-------------------------------------|----------------------|---|---------------------------------|-----------------------------|
| NGC 2479 Mar 13 2007 8" | Pup 19mmW | H58-7 F,S,R=F, LOOSE GROUP | Open Cluster III 1 m | CL,PL,PRI,PC,ST S |
| NGC 2482 Mar 13 2007 8" | Pup 19mmW | H10-7 B,PL,R=F, LOOSE GROUP | Open Cluster 10.0 IV 1 m | CL,L,CRI,VLC |
| NGC 2488 Nov 10 2012 18" | Lyn 7mm TV | H837-3 PF,PS,OVAL,UB,NND,R=F | Galaxy S0-: | VF,VS,R,GLBM |
| NGC 2489 Mar 13 2007 8" | Pup 19mmW | H23-7 F,S,R=F | Open Cluster 11.0 I 2 m | CL,PL,CRI,PC,*11..13 |
| NGC 2493 Mar 28 2011 12" | Lyn 7mm TV | H750-3 VF,PS,R,UB,NND,AV,R=F | Galaxy SB0 | CB,S,R,SBM |
| NGC 2497 Nov 10 2012 18" | Lyn 7mm TV | H838-3 PF,PS,R,UB,NND,R=F | Galaxy E? | EF,VS |
| NGC 2500 Mar 28 2011 12" | Lyn 5mm TV | H709-3 VF,PS,R,UB,NND,R=F | Galaxy SB(rs)d | F,L,R,VGBM,R,AM ST |
| NGC 2505 Nov 10 2012 18" | Lyn 7mm TV | H839-3 PF,PS,OVAL,VEXT,UB,NND,R=F,PA=90 | Galaxy SBa | EF,VS |
| NGC 2506 Mar 29 2006 8" | Mon 19mmW | H37-6 PF,PS,R=F, NICE GROUP | Open Cluster 11.0 I 2 r | CL,PL,VRI,C,*11...20 |
| NGC 2507 Mar 17 2010 12" | Cnc 11mmT6 | H554-2 VF,VS,OVAL,UB,NND,AV,R=F | Galaxy S0/a pec | PB,PL,IR,VGBM,ER,*S |
| NGC 2509 Mar 13 2007 8" | Pup 19mmW | H1-8 F,PL,R=F,DIM PATCH | Open Cluster I 1 r | CL,B,PRI,LC,ST S |
| NGC 2513 Mar 17 2010 12" | Cnc 11mmT6 | H512-3 CF,CS,OVAL,UB,NND,R=F | Galaxy E | F,S,R,PSMBM,R |
| NGC 2518 Nov 10 2012 18" | Lyn 7mm TV | H512-3 VF,PS,OVAL,UB,NND,AV1,R=F | Galaxy E-S0 | 2NEB,F,L,R,GBM |
| NGC 2521 Nov 10 2012 18" | Lyn 7mm TV | H512-3 PF,PS,OVAL,UB,NND,R=F | Galaxy SA0- pec? | PF,PL,R,PSBM,*9NP3' |
| NGC 2523 Oct 12 2012 18" | Cam 7mm TV | H512-3 DIFF,PF,S,OVAL,UB,NND,R=F | Galaxy SB(r)bc | PB,PL,LE,LBM,*NR |
| NGC 2523A Oct 12 2012 18" | Cam 7mm TV | H512-3 VS,VS,OVAL,UB,NND,AV3,R=P | Galaxy SB(s)c: | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|---------------------------------------|---------------------------------|-----------------------------|
| NGC 2523B | Cam | | Galaxy SA(s)b: sp | |
| Oct 12 2012 18" | 7mm TV | PF,PS,EON,UB,NND,R=F,PA=185 | | |
| NGC 2523C | Cam | | Galaxy E? | |
| Oct 12 2012 18" | 7mm TV | PF,VS,OVAL,UB,NND,R=F | | |
| NGC 2525 | Pup | H877-3 | Galaxy SB(s)c | CF,PL,R,VGVLBM,AM ST |
| Mar 16 2010 12" | 11mmT6 | CF,PS,OVAL,UB,NND,R=F | | |
| NGC 2527 | Pup | H30-8 | Open Cluster II2m | CL,VL,PRI,LC,*10..15 |
| Mar 28 2008 1.9" | 12x50 | PB,PL,R=G | | |
| Mar 13 2007 8" | 19mmW | F,PL,R=F,PATCHY | | |
| NGC 2534 | Lyn | H840-3 | Galaxy E1? pec | PF,PL,R,PSBM,*8S |
| Nov 10 2012 18" | 7mm TV | PF,PS,R,FNUC,R=F | | |
| NGC 2535 | Cnc | | Galaxy SA(r)c pec | EF,VS,R |
| Mar 15 2005 8" | 11mmT6 | VF,MS,EON,OVAL,NND,AV.R=F | | |
| NGC 2537 | Lyn | H55-4 | Galaxy SB(s)m pec | GCL,PB,PL,R,RRR,ST20 |
| Dec 04 2004 8" | 7.5mmW | MF,R,NND,AV,R=F | | |
| NGC 2539 | Pup | H11-7 | Open Cluster 9.0 III 2 m | CL,VL,RI,LC,*11...13 |
| May 22 2015 12" | 17mmT4 | CAUGHT BEFORE SETTING. LOW ON HORIZON | | |
| Mar 28 2008 1.9" | 12x50 | PB,PL,R=G | | |
| Mar 13 2007 8" | 19mmW | B,PL,R=G,RESOLVE FAINTER STARS | | |
| NGC 2541 | Lyn | H710-3 | Galaxy SA(s)cd | F,L,E,VGBM |
| Mar 28 2011 12" | 11mmT6 | DIFF,PF,PS,OVAL,MEXT,UB,NND,R=G | | |
| NGC 2544 | Cam | | Galaxy SB(s)a: | EEF,PS,R,SEVB*AROUND |
| Oct 12 2012 18" | 7mm TV | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 2545 | Cnc | H627-2 | Galaxy (R)SB(r)ab | F,S,LE45,*8NP4' |
| Mar 20 2007 8" | 7.5mmW | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 2548 | Hya | M48 H22-6 | Open Cluster 8.0 I 3 r | CL,VL,PRI,PMC,*9..13 |
| May 22 2015 12" | 17mmT4 | TYPICAL OPEN CLUSTER R=F | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Mar 19 2006 8" | 25mmPL | F,R=F | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Feb 25 2004 8" | 25mmPL | 1ST. QTR. | | |
| NGC 2549 | Lyn | | Galaxy SA(r)0^ sp | PB,S,ME0,PSMBM |
| Nov 10 2012 18" | 7mm TV | F,PS,EON,BNUC,R=F,PA=60 | | |

Observations Listing by Catalog Number

| | | | | |
|---|--------------------------------|--|---------------------------------|----------------------|
| NGC 2550 Nov 16 2012 18" | Cam 7mm TV | VF,VS,OVAL,NND,AV,R=F | Galaxy Sb: | EEF,PS,CE |
| NGC 2550A Nov 16 2012 18" | Cam 7mm TV | VF,VS,OVAL,MEXT,UB,R=F | Galaxy Sc | |
| NGC 2551 Nov 16 2012 18" | Cam 7mm TV | VF,PS,OVAL,UB,NND,R=F | Galaxy SA(s)0/a | VF,S,F*IN CENTRE |
| NGC 2552 Nov 10 2012 18" | Lyn 7mm TV | H711-3 DIFF,PF,S,OVAL,UB,NND,R=F | Galaxy SA(s)m? | EF,CL,LE45 |
| NGC 2554 Mar 17 2010 12" | Cnc 11mmT6 | H303-2 PF,PS,OVAL,UB,NND,R=F | Galaxy S0/a | F,S,R,MBM,R |
| NGC 2562 Mar 20 2007 8" | Cnc 11mmT6 | H607-3 VF,VS,OVAL,NND,AV,R=F | Galaxy S0/a: | VF,CS,R |
| NGC 2563 Mar 15 2005 8" | Cnc 11mmT6 | H634-2 VF,VS,EON,OVAL,NND,AV,R=F | Galaxy S0^: | CF,S,R,BM |
| NGC 2565 Mar 17 2010 12" | Cnc 11mmT6 | PF,CS,OVAL,NND,R=F | Galaxy (R')SBbc: | F,BIN |
| NGC 2567 Mar 13 2007 8" | Pup 19mmW | H64-7 PF,L,R=F | Open Cluster 11.0 II 2 m | CL,PL,PRI,LC,IR,*11. |
| NGC 2571 Mar 28 2008 1.9" Mar 13 2007 8" | Pup 12x50 19mmW | H39-6 B,S,R=F VF,L,R=F | Open Cluster 8.8 II 3 m | CL,VL,CRI,LC,ST9... |
| NGC 2577 Mar 17 2010 12" | Cnc 28mm | H259-2 PF,CS,OVAL,UB,NND,R=F | Galaxy S0-: | F,S,IF,R |
| NGC 2591 May 25 2014 18" Nov 16 2012 18" | Cam 8mm Ds 7mm TV | PF,PS,EON,UB,NND,R=F,PA=30 VF,VS,EON,UB,NND,R=G | Galaxy Scd: sp | F,S,E,LBM |
| NGC 2592 Mar 17 2010 12" | Cnc 11mmT6 | H315-2 PF,PS,OVAL,UB,NND,R=F | Galaxy E | PF,S,R,VSBM* |
| NGC 2595 Apr 05 2005 8" | Cnc 11mmT6 | H599-3 VF,VS,OVAL,NND,AV,R=F | Galaxy SAB(rs)c | VF,PL,IF,R,D*SP2' |
| NGC 2599 Mar 17 2010 12" | Cnc 11mmT6 | H234-3 PF,PS,OVAL,R,UB,NND,R=F | Galaxy SAa | VF,S,STELLAR |
| NGC 2604 Mar 17 2010 12" | Cnc 11mmT6 | H292-3 DIFF,,VF,CS,OVAL,NND,R=F | Galaxy SB(rs)cd | VF,PL,R,LBM,R,D*NR |

Observations Listing by Catalog Number

| | | | | |
|---|---|---|---------------------------------|-----------------------------|
| NGC 2608 Mar 20 2007 8" | Cnc 11mmT6 | H318-2 PF,VS,OVAL,NND,AV,R=F | Galaxy SB(s)b: | F,VLE,MBM,R |
| NGC 2610 Mar 29 2006 8" | Hya 11mmT6 | H35-4 PF,PS,R=F | Planetary Neb 4+2 | F,S,ATTTO*13,*7NF |
| NGC 2613 Mar 13 2007 8" | Pyx 11mmT6 | H266-2 PF,PS,EON,NND,AV,R=F | Galaxy SA(s)b | CB,L,VME110 |
| NGC 2619 Mar 17 2010 12" | Cnc 11mmT6 | H319-2 CF,PS,OVAL,UB,NND,R=F | Galaxy Sbc | F,PS,R,BM,R |
| NGC 2627 Mar 13 2007 8" | Pyx 11mmT6 | H63-7 PF,S,R=F | Open Cluster 11.0 II 2 r | CL,CL,PRI,PC,*11..13 |
| NGC 2632 Mar 16 2012 18" Mar 01 2011 12" Mar 08 2010 12" Mar 20 2009 16" Mar 08 2007 1.9" Mar 19 2006 8" Mar 19 2004 8" Feb 28 2004 8" Dec 26 2003 8" | Cnc 17mmAT 17mmAT 26mm 26mm 12x50 25mmPL 25mmPL 25mmPL 25mmPL | M44 2012 M.M. M.M. 2011 - MANUAL SETTING CIRCLES M.M. 2010 MANUAL SETTING CIRCLES MESSIER MARATHON - 2009 B,L,RICH CLUSTER,R=G PB,PL,R=G 2004 MESSIER MARATHON - ARGO NAVIS COMPTER = ARGO NAVIS Q/M COLD | Open Cluster 6.0 II 3 m | PRAESEPE CANCRI |
| NGC 2633 Mar 08 2013 18" Nov 16 2012 18" | Cam 7mm TV 7mm TV | Galaxy SB(s)b PF,VS,OVAL,MEXT,UB,NND,R=F PF,PS,OVAL,UB,AV,R=F | | F,S,LE |
| NGC 2634 Mar 08 2013 18" Nov 16 2012 18" | Cam 7mm TV 7mm TV | Galaxy E1: VF,VS,R,UB,NND,R=F PF,PS,R,UB,NND,R=F | | F,S,LE |
| NGC 2634A May 25 2014 18" | Cam 8mm Ds | Galaxy SB(s)bc? sp VF,VS,EON,UB,NND,R=F,PA=50 | | |
| NGC 2636 May 25 2014 18" | Cam 8mm Ds | Galaxy E0: VF,VS,R,UB,NND,AV2,R=P | | VF,S,2*11,12 F |
| NGC 2639 Mar 16 2010 12" | UMa 11mmT6 | H204-1 PB,PS,OVAL,UB,NND,R=F | Galaxy (R)SA(r)a:? | CB,S,E130,PSMBM |
| NGC 2646 Mar 08 2013 18" | Cam 7mm TV | Galaxy SB(r)0^: PF,PS,R,UB,NND,R=F | | VF,S,2F*2.5'SF |
| NGC 2648 Apr 05 2005 8" | Cnc 11mmT6 | H49-3 VF,VS,EL,NND,AV,R=F | Galaxy Sa | F,S,VLE135,PSBM |

Observations Listing by Catalog Number

| | | | | |
|---|---|--|--------------------------------|-----------------------------|
| NGC 2655 Oct 06 2004 8" | Cam 7.5mmW | H288-1 MB,EL,EON,FNUC,R=G | Galaxy SAB(s)0/a | VB,CL,LE90,GSVMBM |
| NGC 2657 Mar 17 2010 12" | Cnc 11mmT6 | VF,VS,OVAL,UB,NND,AV,R=P | Galaxy SA(rs)d: | VF,VS,IR,F*ATT F |
| NGC 2661 Mar 17 2010 12" | Cnc 11mmT6 | H50-3 VF,VS,R,NND,AV,R=P | Galaxy Scd: | EF,CL,R,LBM |
| NGC 2672 Mar 20 2007 8" Mar 15 2005 8" | Cnc 11mmT6 11mmT6 | H48-2 VF,VS,R,NND,AV,R=F MF,ML,OVAL,PATCH,NND,R=F | Galaxy E1-2 | PB,PL,IR,MBM |
| NGC 2673 Mar 17 2010 12" | Cnc 11mmT6 | PF,PS,R,UB,NND,R=F | Galaxy E0 pec | VF,VS,CLOSE F2672 |
| NGC 2681 May 10 2005 8" | UMa 11mmT6 | H242-1 MB,FS,R,FNUC,R=F | Galaxy (R')SAB(rs)0/a | VB,VL,VG,VSMBM*10 |
| NGC 2682 Mar 16 2012 18" Mar 01 2011 12" Mar 08 2010 12" Mar 20 2009 16" Mar 08 2007 1.9" Mar 19 2006 8" Mar 19 2004 8" Feb 16 2004 8" | Cnc 17mmAT 17mmAT 26mm 26mm 12x50 25mmPL 25mmPL 25mmPL | M67 2012 M.M. M.M. 2011 - MANUAL SETTING CIRCLES M.M. 2010 MANUAL SETTING CIRCLES MESSIER MARATHON - 2009 PB,PL,PATCHY,R=G B,L,R=F 2004 MESSIER MARATHON - ARGO NAVIS 1ST. QTR. | Open Cluster 9.0 II 3 r | CL,VB,VL,ERI,LC,*10. |
| NGC 2683 Mar 13 2007 8" | Lyn 11mmT6 | H200-1 PB,PL,EON,FNUC,R=G | Galaxy SA(rs)b | VB,VL,VME39,GMBM |
| NGC 2685 Mar 04 2006 8" | UMa 11mmT6 | PF,PS,OVAL,NND,R=F | Galaxy (R)SB0+ pec | PF,R,F*INCENTRE |
| NGC 2715 Mar 08 2013 18" | Cam 7mm TV | PF,PS,OVAL,PET,UB,NND,R=F | Galaxy SAB(rs)c | PB,L,E |
| NGC 2730 Mar 17 2010 12" | Cnc 11mmT6 | VF,CS,R,UB,NND,AV,R=F | Galaxy SBdm: | VF,L,R |
| NGC 2732 May 25 2014 18" | Cam 8mm Ds | PF,PS,EON,FNUC,R=G,PA=75 | Galaxy S0 sp | PB,S,E45,*13NF |
| NGC 2738 Mar 17 2010 12" | Cnc 11mmT6 | VF,CS,OVAL,EXT,NND,AV,R=P | Galaxy S? | PB,S,IF,D W/2737 |
| NGC 2742 Mar 13 2007 8" | UMa 11mmT6 | H249-1 PF,PS,OVAL,NND,R=F | Galaxy SA(s)c: | CB,CL,E90,ER |

Observations Listing by Catalog Number

| | | | | |
|------------------------------------|----------------------|---|----------------------------|-----------------------------|
| NGC 2744 Mar 17 2010 12" | Cnc 11mmT6 | H60-3 VF,VS,R,NND,AV,R=F | Galaxy SB(s)ab: pec | VF,S,R,R,D* NR |
| NGC 2748 May 25 2014 18" | Cam 8mm Ds | PF,PS,OVAL,VEXT,UB,NND,R=F | Galaxy SAbc | PB,PL,E,VGLBM |
| NGC 2749 Mar 15 2005 8" | Cnc 11mmT6 | MB,ML,EL,OVAL,NND,R=G | Galaxy E3 | PF,S,R,BMN=*15 |
| NGC 2750 Mar 20 2007 8" | Cnc 11mmT6 | H291-3 VF,VS,R,NND,AV,R=F | Galaxy SABc | VF,CL,R,BMN,2C *P |
| NGC 2756 Mar 28 2011 12" | UMa 7mm TV | H828-2 VF,VS,OVAL,UB,NND,R=F | Galaxy Sb | PB,PS,E,VGBM |
| NGC 2764 Mar 20 2007 8" | Cnc 11mmT6 | H236-3 VF,VS,OVAL,NND,AV,R=F | Galaxy S0: | CF,VS,R,ER,BET2PB* |
| NGC 2765 Mar 29 2006 8" | Hya 11mmT6 | H520-2 PF,PS,OVAL,NND,AV,R=F | Galaxy S0 | VF,PL,E,GBM,ER |
| NGC 2768 Mar 04 2006 8" | UMa 11mmT6 | H250-1 MB,ML,OVAL,NND,R=F | Galaxy E6: | CB,CL,LE,PSBMLBN |
| NGC 2775 Mar 15 2005 8" | Cnc 11mmT6 | H2-1 MB,ML,OVAL,PATCH,NND,R=G | Galaxy SA(r)ab | CB,CL,R,VGVSBMB,R |
| NGC 2777 Mar 17 2010 12" | Cnc 11mmT6 | VF,VS,,R,NND,AV,R=P | Galaxy Sab? | F,S |
| NGC 2781 Mar 16 2010 12" | Hya 11mmT6 | H66-1 PB,PS,EON,BNUC,R=G | Galaxy SAB(r)0+ | B,S,VLE,PSMBM |
| NGC 2782 Mar 13 2007 8" | Lyn 11mmT6 | H167-1 PF,PS,OVAL,NND,AV,R=F | Galaxy SAB(rs)a pec | CB,R,MBMBN |
| NGC 2783 Mar 17 2010 12" | Cnc 11mmT6 | H295-3 PF,CS,OVAL,UB,FNUC,R=F | Galaxy E | VF,VS,R,2PB* SP |
| NGC 2784 Mar 16 2010 12" | Hya 11mmT6 | H59-1 PB,PS,OVAL,UB,FNUC,R=F | Galaxy SA(s)0^: | B,L,ME64,GMBM |
| NGC 2787 Mar 04 2006 8" | UMa 11mmT6 | H216-1 F,PS,R,NND,R=F | Galaxy SB(r)0+ | B,PL,LE90,MBM,R,*INV |
| NGC 2789 Mar 17 2010 12" | Cnc 11mmT6 | PF,PS,OVAL,UB,FNUC,R=F | Galaxy S0/a | PF,S,R,GBM |

Observations Listing by Catalog Number

| | | | | |
|--|--------------------------------|---|----------------------------|-----------------------------|
| NGC 2794 Mar 17 2010 12" | Cnc 11mmT6 | CF,CS,OVAL,UB,NND,R=F | Galaxy SB? | EF,VS,SP OF 2 |
| NGC 2795 Mar 17 2010 12" | Cnc 11mmT6 | CF,CS,OVAL,NND,R=F | Galaxy E | EF,VS,NF OF 2 |
| NGC 2804 Mar 17 2010 12" | Cnc 11mmT6 | VF,CS,OVAL,NND,AV,R=P | Galaxy S0 | VF,S,R |
| NGC 2805 Jun 07 2010 12" | UMa 11mmT6 | H878-3 PF,PS,OVAL,MEXT,UB,NND.R=F | Galaxy SAB(rs)d | VF,L,R,MBM |
| NGC 2809 Mar 17 2010 12" | Cnc 11mmT6 | CF,CS,OVAL,UB,NND,R=F | Galaxy S0 | VF,S,R |
| NGC 2811 Mar 29 2006 8" | Hya 11mmT6 | H505-2 PF,PS,EL,OVAL,NND,AV,R=F | Galaxy SB(rs)a | PB,PS,E,PSMBM |
| NGC 2841 Mar 04 2006 8" | UMa 11mmT6 | H205-1 PB,PL,EON,FNUC,MSB,R=G | Galaxy SA(r)b: | VB,L,VME151,VSMBM*10 |
| NGC 2855 Mar 16 2010 12" | Hya 11mmT6 | H132-1 PB,PS,OVAL,UB,FNUC,R=F | Galaxy (R)SA(rs)0/a | PB,PL,R,GMBMN |
| NGC 2859 Mar 13 2007 8" | LMi 11mmT6 | H137-1 PF,S,R,NND,R=F | Galaxy (R)SB(r)0+ | VB,PL,R,SMBM |
| NGC 2862 Apr 09 2010 12" | Leo 11mmT6 | CF,PS,EON,UB,NND,R=F | Galaxy S? | F,S,E,BM |
| NGC 2872 Mar 08 2010 12" May 13 2007 8" | Leo 7.5mmW 7.5mmW | H57-2 CF,CS,R,NND,R=F VF,VS,R,NND,AV,R=F | Galaxy E2 | PF,PS,R,BM |
| NGC 2874 Mar 08 2010 12" | Leo 7.5mmW | CF,CS,MEXT,NND,F=F | Non-Existent | VF,PL,ME |
| NGC 2880 Mar 04 2006 8" | UMa 11mmT6 | H260-1 PF,PS,R,NND,R=F | Galaxy SB0- | B,CS,R,MBM,AM ST |
| NGC 2882 Apr 09 2010 12" | Leo 11mmT6 | CF,PS,OVAL,UB,NND,R=F | Galaxy S? | F,PL,E |
| NGC 2889 Mar 16 2010 12" | Hya 11mmT6 | H555-2 PF,CS,R,UB,NND,R=F | Galaxy SAB(rs)c | PF,PS,VLE,VGLBM,R |
| NGC 2894 Apr 09 2010 12" | Leo 11mmT6 | H8-3 PF,CS,OVAL,UB,NND,R=F | Galaxy Sa | VF,E,ER,2OR3* INV |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|---------------------------------|---------------------------|-----------------------------|
| NGC 2903 | Leo | H56-1 | Galaxy SAB(rs)bc | CB,VL,E,GMBM,R,SPOF2 |
| Apr 20 2018 12" | 11mmT6 | | | |
| Feb 17 2012 18" | 11mmT6 | OBSERVED WITH 18" ASTROSYSTEMS | | |
| Apr 26 2006 8" | 19mmW | PB,PL,EL,EON,BNUC,HISB,R=G | | |
| May 12 2004 8" | 25mmPL | L.P. LOUSY-MAG. 9.5 TOPS! MSV5 | | |
| Apr 05 2004 8" | 25mmPL | FULLMOON - **MEGASTAR CONTROL** | | |
| Mar 10 2004 8" | 25mmPL | N/M, NO COMPUTER | | |
| NGC 2905 | Leo | H57-1 | Knot in Galaxy | VF,CL,R,PSBM,R,NFOF2 |
| Mar 20 2007 8" | 11mmT6 | PB,L,OVAL,FNUC,USB,R=G | | |
| Mar 29 2006 8" | 11mmT6 | PB,PL,EON,BNUC,R=G | | |
| Apr 05 2004 8" | 25mmPL | FULLMOON - **MEGASTAR CONTROL** | | |
| Mar 13 2004 8" | 25mmPL | COMPUTER = ARGO NAVIS | | |
| NGC 2906 | Leo | H495-2 | Galaxy Scd: | F,PS,LE,GBM |
| Mar 16 2010 12" | 11mmT6 | CF,CS,OVAL,MEXT,UB,NND,R=G | | |
| NGC 2908 | Dra | H977-3 | Galaxy S | EF,VS |
| May 23 2012 18" | 8.8 ES | CF,CS,R,UB,NND,AV1,R=F | | |
| NGC 2911 | Leo | H40-2 | Galaxy SA(s)0: pec | F,PL,R,GBM,P OF 2 |
| Mar 16 2010 12" | 11mmT6 | CF,CS,OVAL,UB,NND,R=F | | |
| NGC 2913 | Leo | | Galaxy S? | VF,PL,IR |
| Mar 30 2014 18" | 7mm TV | VF,VS,OVAL,MEXT,NND,R=F | | |
| NGC 2916 | Leo | H260-2 | Galaxy SA(rs)b? | F,S,VLE |
| Apr 02 2008 8" | 11mmT6 | PF,PS,OVAL,NND,AV,R=F | | |
| Feb 10 2005 8" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 2918 | Leo | H298-3 | Galaxy E | VF,CS,R,SBMN |
| Apr 09 2010 12" | 11mmT6 | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 2919 | Leo | | Galaxy SAB(r)b: | F,PS |
| Apr 09 2010 12" | 11mmT6 | VF,VS,OVAL,NND,AV,R=P | | |
| NGC 2927 | Leo | | Galaxy SAB(rs)b | F,PL,R,LBM |
| Mar 06 2005 8" | 11mmT6 | VF,VS, OVAL,NND,AV,R=F | | |
| NGC 2938 | Dra | H963-3 | Galaxy SB(rs)cd | EF,S,IF,D*F3' |
| May 23 2012 18" | 8.8 ES | VF,CS,OVAL,MEXT,UB,NNE,AV2,R=F | | |
| NGC 2939 | Leo | H4-3 | Galaxy Sbc | VF,S,VLE,BM,TRI STNF |
| Mar 16 2010 12" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 2943 | Leo | | Galaxy E | F,S,IR,BM,F OF2 |
| Apr 09 2010 12" | 11mmT6 | CF,PS,OVAL,UB,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|---|--------------------------------|--|-------------------------------------|-----------------------------|
| NGC 2950 Mar 04 2006 8" | UMa 11mmT6 | H68-4 PB,PS,R,FNUC,,R=G | Galaxy (R)SB(r)0[^] | B,PS,R,VGVMBMN |
| NGC 2955 Mar 20 2007 8" | LMi 11mmT6 | H541-3 VF,VS,OVAL,NND,AV,SUSP,R=P | Galaxy (R')SA(r)b | CF,PS,IR,GLBM,R |
| NGC 2957A Jul 13 2013 18" | Dra 7mm TV | VF,VS,OVAL,PEXT,NND,R=P | Galaxy E1: | EF,*13NR |
| NGC 2957B Jul 13 2013 18" | Dra 7mm TV | VF,VS,OVAL,PEXT,NND,R=P | Galaxy E | |
| NGC 2962 Apr 08 2005 8" | Hya 7.5mmW | VF,VS,OVAL,NND,AV,R=F | Galaxy (R)SAB(rs)0+ | F,VS,VLE,PSBM |
| NGC 2963 Jul 13 2013 18" | Dra 7mm TV | PF,PS,OVAL,PEXT,UB,NND,R=F | Galaxy SBab | VF,VS,R,BM |
| NGC 2964 Feb 10 2005 8" | Leo 11mmT6 | H114-1 MB,ML,EL,OVAL,PATCHY,NND,MSB,R=G | Galaxy SAB(r)bc: | B,VL,LE,VGBM,SP OF 3 |
| NGC 2968 Feb 10 2005 8" | Leo 11mmT6 | H491-2 DIFF,MF,MS,OVAL,NND,AV,R=F | Galaxy I0 | PB,PL,LE,VGLBM,2ND-3 |
| NGC 2970 Apr 13 2005 31" | Leo 17mmT4 | MB,OVAL,NND,R=F | Galaxy E1: | F,NF OF 3 |
| NGC 2974 Mar 13 2007 8" | Sex 11mmT6 | PF,PS,OVAL,NND,R=F | Galaxy E4 | B,CS,IR,BM,*9SP43" |
| NGC 2976 Mar 04 2006 8" | UMa 11mmT6 | DIFF,F,FL,EON,NND,R=F | Galaxy SAc pec | B,VL,ME152,ST INV |
| NGC 2977 Jul 08 2018 12" Aug 31 2010 12" | Dra 8mm Et 7mm TV | PF,PS,OVAL,UB,NND,R=F VF,VS,OVAL,MEXT,PATCH,NND,R=F. PA=110 | Galaxy Sb: | CB,PL,IF, |
| NGC 2981 Apr 13 2005 31" | Leo 17mmT4 | VF,MS,OVAL,NND,AV,R=F | Galaxy SAB(rs)bc: | VF |
| NGC 2983 Apr 08 2005 8" | Hya 7.5mmW | VF,VS,OVAL,NND,R=F | Galaxy SB(rs)0+ | F,PS,R,BM,R,STELLAR |
| NGC 2985 Mar 04 2006 8" | UMa 11mmT6 | PF,FS,OVAL,FNUC,R=G | Galaxy (R')SA(rs)ab | VB,CL,R,PSMBM,*INV F |
| NGC 2986 Apr 08 2005 8" | Hya 7.5mmW | VF,VS,OVAL,NND,R=F | Galaxy E2 | PB,PS,IR,MBM |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|------------------------------------|-------------------------|------------------------------|
| NGC 2988 | Leo | | Galaxy SBbc | EF,P 2991 |
| Apr 28 2006 31" | 19mmW | CF,CS,R,FNUC,R=F | | |
| NGC 2992 | Hya | H277-3 | Galaxy Sa pec | CF,S,R,BM,STEL,P OF2 |
| Apr 08 2005 8" | 7.5mmW | VF,VS,EL,EON,NND,AV,R=F | | |
| NGC 2993 | Hya | H278-3 | Galaxy Sa pec | CF,S,R,BM,STEL,F OF2 |
| Apr 08 2005 8" | 7.5mmW | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 3003 | LMi | H26-5 | Galaxy Sbc? | CB,L,VME90 |
| Mar 20 2007 8" | 11mmT6 | VF,L,EON,NND,AV,R=F | | |
| NGC 3020 | Leo | H51-3 | Galaxy SB(r)cd: | EF,PS,LE0,R |
| Apr 29 2011 12" | 5mm TV | CF,PS,OVAL,MEXT,R=F,PA=50 | | |
| NGC 3021 | LMi | H115-1 | Galaxy SA(rs)bc: | PB,PS,VLE,MBM,*10SP |
| Mar 20 2007 8" | 11mmT6 | PF,PS,OVAL,NND,AV,R=F | | |
| NGC 3031 | UMa | M81 | Galaxy SA(s)ab | EB,EL,E156,GSVMBMBN 2 |
| Apr 20 2018 12" | 11mmT6 | | | |
| Jul 25 2017 12" | 11mmT6 | NOT BAD. | | |
| May 14 2017 12" | 11mmT6 | EXCELLENT | | |
| Jul 01 2016 12" | 8mm Et | EYE CANDY | | |
| Apr 14 2016 12" | 8mm Ds | F,S,OVAL,NND,R=G | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Mar 08 2007 1.9" | 12x50 | FB,L,OVAL,FNUC,R=G | | |
| Aug 20 2006 1.9" | 12x50 | PB,PL,OVAL,FNUC,HISB,R=G | | |
| Mar 19 2006 8" | 19mmW | PB,PL,EL,EON,BNUC,R=G | | |
| May 04 2005 8" | 19mmW | VB,VL,OVAL,BNUC,VHISB,R=E! | | |
| Apr 04 2005 8" | 11mmT6 | VB,VL,EON,NUC,HISB,R=E!! | | |
| Feb 10 2005 8" | 11mmT6 | MF,ML,OVAL,NND,R=F | | |
| Apr 14 2004 31" | 17mmT4 | CLEAR NIGHT - MEGASTAR CONTROL | | |
| Apr 05 2004 8" | 25mmPL | FULLMOON - **MEGASTAR CONTROL** | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Feb 28 2004 8" | 25mmPL | COMPTER = ARGO NAVIS | | |
| Dec 30 2003 8" | 25mmPL | H/M COLD | | |
| NGC 3032 | Leo | | Galaxy SAB(r)0^ | F,S,SBM*12,BET2B* |
| Feb 10 2005 8" | 11mmT6 | VF,VS,EL,NND,AV,R=F | | |

Observations Listing by Catalog Number

| | | | | | |
|------------------|------------|---|---------------------------|----------------------------|-----------------------|
| NGC 3034 | UMa | M82 | H79-4 | Galaxy I0 sp | VB,VL,VME(RAY) |
| Apr 20 2018 12" | 11mmT6 | | | | |
| Jul 25 2017 12" | 11mmT6 | NOT BAD | | | |
| May 14 2017 12" | 11mmT6 | EXCELLENT | | | |
| Jul 01 2016 12" | 8mm Et | EYE CANDY | | | |
| Apr 14 2016 12" | 8mm Ds | F,S,PEXT,NND,R=G,BRIGHT KNOT ON ONE END. | | | |
| Sep 19 2014 12" | 17mmAT | 5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14 | | | |
| Mar 30 2014 28" | 17mmAT | SUPER NOVA IN M-82. NEAT TO SEE. M-82 LOOKED GREAT WITH THE DUST LANES | | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | | |
| Mar 08 2007 1.9" | 12x50 | FB,FS,OVAL,NND,R=F | | | |
| Aug 20 2006 1.9" | 12x50 | PB,L,OVAL,FNUC,R=G | | | |
| Mar 19 2006 8" | 19mmW | PB,PL,EON,FNUC,R=G | | | |
| May 04 2005 8" | 19mmW | VB,ML,EL,EON,BNUC,VHISB,R=E! | | | |
| Apr 14 2004 31" | 17mmT4 | CLEAR NIGHT - MEGASTAR CONTROL | | | |
| Apr 05 2004 8" | 25mmPL | FULLMOON - **MEGASTAR CONTROL** | | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | | |
| Feb 28 2004 8" | 25mmPL | COMPTER = ARGO NAVIS | | | |
| Dec 30 2003 8" | 25mmPL | H/M COLD | | | |
| NGC 3041 | Leo | H98-2 | Galaxy SAB(rs)c | GCL,F,L,R,VGLBM,RR | |
| Apr 05 2005 8" | 11mmT6 | MF,MS,OVAL,NND,AV,R=F | | | |
| NGC 3044 | Sex | H254-3 | Galaxy SB(s)c? sp | VF,VL,VME122 | |
| Mar 30 2014 18" | 7mm TV | B,PS,EON,UB,NND,R=G,PA=145,REALLY NICE | | | |
| Mar 30 2014 28" | 7mm TV | SUPER WITH IMAGE INTENSIFIER. SOME DETAIL IN CORE DEFINITION COMES AND GOES | | | |
| NGC 3049 | Leo | H600-3 | Galaxy SB(rs)ab | VF,VS,F*V NR | |
| Apr 17 2015 18" | 8mm Ds | VF,PS,OVAL,UB,NND,R=F | | | |
| NGC 3052 | Hya | H272-3 | Galaxy SAB(r)c: | F,PL,R,GLBM,NF OF 2 | |
| Apr 08 2005 8" | 7.5mmW | VF,VS,OVAL,NND,AV,R=F | | | |
| NGC 3053 | Leo | H600-3 | Galaxy SBa? | VF,S,VLE,GBM | |
| Mar 16 2010 12" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | | |
| NGC 3054 | Hya | H978-3 | Galaxy SAB(r)b | PB,L,IRR OBLONG | |
| Apr 08 2005 8" | 7.5mmW | DIFF,VF,ML,OVAL,NND,AV,R=F | | | |
| NGC 3057 | Dra | H978-3 | Galaxy SB(s)dm | EF,PL,VLBM,2S* S | |
| Jul 08 2018 12" | 8mm Et | VF,PS,OVAL,UB,NNDD,R=F | | | |
| Sep 09 2010 12" | 5.5mmN | VF,CS,OVAL,R,NND,AV,R=P | | | |
| NGC 3061 | Dra | H903-2 | Galaxy (R')SB(rs)c | VF,PL,RESOLVABLE | |
| Jul 08 2018 12" | 8mm Et | VF,PS,OVAL,UB,NND,AV,R=F | | | |
| Sep 09 2010 12" | 5.5mmN | VF,CS,R,NND,AV,R=F | | | |

Observations Listing by Catalog Number

| | | | | |
|---|--------------------------------|--|----------------------------------|-----------------------------|
| NGC 3065 Mar 28 2011 12" | UMa 5mm TV | H333-2 VF,PS,R,UB,NND,AV,R=F | Galaxy SA(r)0[^] | PF,VS,R,BM,*11NR |
| NGC 3067 Apr 05 2005 8" | Leo 11mmT6 | H492-2 MF,MS,EL,OVAL,NND,R=F | Galaxy SAB(s)ab? | PB,PL,E106,GBM,*94'P |
| NGC 3070 Mar 29 2006 8" | Leo 11mmT6 | H59-2 PF,PS,OVAL,NND,AV,R=F | Galaxy E | PB,PS,R,GMBMN,AM3ST |
| NGC 3072 Apr 08 2005 8" | Hya 7.5mmW | H273-3 VF,VS,OVAL,NND,AV,R=F | Galaxy S0/a? sp | VF,PS,LE,GLBM |
| NGC 3073 Mar 28 2011 12" | UMa 5mm TV | H853-3 VF,VS,R,UB,NND,AV,R=F | Galaxy SAB0- | VF,S,VGLBM |
| NGC 3077 Mar 13 2007 8" May 24 2004 8" | UMa 11mmT6 25mmPL | H286-1 PF,L,OVAL,NND,AV,R=F DECENT NIGHT - MEGASTAR CONTROL | Galaxy I0 pec | CB,CL,MBM,R WITH RAY |
| NGC 3078 Apr 08 2005 8" | Hya 7.5mmW | H268-2 MF,ML,OVAL,FNUC,R=G | Galaxy E2-3 | PB,S,R,MBM |
| NGC 3079 Mar 04 2006 8" | UMa 11mmT6 | H47-5 PF,FL,EON,NND,R=F | Galaxy SB(s)c sp | VB,L,ME135 |
| NGC 3091 Apr 08 2005 8" | Hya 11mmT6 | H293-2 MF,MS,OVAL,NND,R=F | Galaxy E3: | PB,PS,IR,BM,P OF 2 |
| NGC 3094 Apr 07 2008 31" | Leo 17mmT4 | H898-2 B,S,OVAL,UB,HSB,R=G | Galaxy SB(s)a | F,BM,*9 30"SF |
| NGC 3098 Apr 05 2005 8" | Leo 11mmT6 | H163-1 VF,MS,EL,EON,NND,R=F | Galaxy S0 sp | PB,S,E85,PSBMN |
| NGC 3107 Apr 07 2008 31" | Leo 17mmT4 | H898-2 F,S,OVAL,UB,NND,R=F | Galaxy Sbc: | PF,PL,IR,*8NP 112" |
| NGC 3109 Apr 08 2005 8" | Hya 11mmT6 | H163-1 DIFF,MF,VL,EON,NND,R=F | Galaxy SB(s)m sp | CF,VL,VME82,LBM |
| NGC 3115 Mar 15 2005 8" | Sex 11mmT6 | H163-1 VB,ML,EL,EON, FNUC,MSB,R=G | Galaxy S0- sp | VB,L,VME46,VGSMBMEN |
| NGC 3119 Apr 07 2008 31" | Leo 17mmT4 | H898-2 F,PS,OVAL,UB,NND,R=F | Non-Existent | VF |
| NGC 3124 Apr 08 2005 8" | Hya 11mmT6 | H163-1 DIFF,VF,ML,OVAL,NND,R=F | Galaxy SAB(rs)bc | F,PL,R,LBM,D* S |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|---|--------------------------|-----------------------------|
| NGC 3130 | Leo | | Galaxy S0/a | EF,S,PSBM,*5SF |
| Apr 15 2007 31" | 17mmT4 | PB,L,OVAL,FNUC,R=G | | |
| NGC 3131 | Leo | | Galaxy SBb: | PB,PS,PME,GBM |
| Apr 15 2007 31" | 17mmT4 | PB,PL,EON,FNUC,R=G | | |
| NGC 3144 | Dra | | Non-Existent | VF,S,R,*13ATT F |
| Jul 13 2013 18" | 7mm TV | VF,PS,OVAL,MEXT,UB,NND,R=F | | |
| NGC 3145 | Hya | H518-3 | Galaxy SB(rs)bc | F,PL,R,VGSLBM |
| Mar 29 2006 8" | 11mmT6 | B,L,EON,FNUC,R=F | | |
| Mar 15 2005 8" | 11mmT6 | VB,ML,EL,EON,R=G | | |
| NGC 3146 | Hya | | Galaxy SB(r)b? | EF,S,R,GBM |
| Apr 08 2005 8" | 7.5mmW | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 3147 | Dra | H79-1 | Galaxy SA(rs)bc | VB,L,R,VGVSVMBM |
| Jul 25 2017 12" | 11mmT6 | PF,PS,OVAL,MEXT,NND,R=F | | |
| Sep 02 2016 12" | 8mm Et | PF,PS,R,FNUC,R=F, 2 STARS TO SOUTHEAST. | | |
| Jul 23 2006 8" | 11mmT6 | PF,PS,OVAL,NND,R=F | | |
| Jun 19 2004 8" | 25mmPL | GOOD NIGHT - MEGASTAR | | |
| NGC 3153 | Leo | H53-3 | Galaxy Scd: | EF,PL,VLE,R,ST INV |
| Apr 15 2007 31" | 17mmT4 | PB,VL,OVAL,NND,R=G | | |
| NGC 3154 | Leo | | Galaxy Sb | F,S,R,LBM |
| Apr 15 2007 31" | 17mmT4 | PB,L,EL,OVAL,FNUC,MSB,R=G | | |
| NGC 3156 | Sex | H255-3 | Galaxy S0: | F,CS,R,PSBM,*9,10SF2 |
| Mar 28 2011 12" | 7mm TV | PF,CS,OVAL,PEXT,FNUC,R=G,PA=45 | | |
| NGC 3158 | LMi | H639-2 | Galaxy E3: | CB,CS,R,PSBM,R |
| Mar 20 2007 8" | 11mmT6 | VF,VS,R,NND,AV,R=F | | |
| NGC 3162 | Leo | H43-2 | Galaxy SAB(rs)bc | PF,CL,R,VGLBM,R,*INV |
| Apr 05 2005 8" | 11mmT6 | DIFF,VF,ML,OVAL,NND,AV,R=F | | |
| NGC 3166 | Sex | H3-1 | Galaxy SAB(rs)0/a | B,PS,R,PSMBM,2ND OF3 |
| Mar 13 2007 8" | 11mmT6 | CB,CL,OVAL,FNUC,MHISB,R=G | | |
| Apr 14 2004 8" | 25mmPL | CLEAR NIGHT - MEGASTAR CONTROL | | |
| NGC 3169 | Sex | H4-1 | Galaxy SA(s)a pec | B,PL,VLE,PGMBM,3RD-3 |
| Mar 13 2007 8" | 11mmT6 | CB,CL,OVAL,FNUC,R=G | | |
| Apr 14 2004 8" | 25mmPL | CLEAR NIGHT - MEGASTAR CONTROL | | |
| NGC 3177 | Leo | H25-3 | Galaxy SA(rs)b | CF,S,R,PSBM |
| Apr 15 2007 31" | 17mmT4 | VB,PL,OVAL,BNUC,HISB,R=G | | |
| Mar 20 2007 8" | 11mmT6 | PF,VS,R,NND,AV,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|---------------------------------------|-----------------------------|-----------------------------|
| NGC 3183 | Dra | H283-1 | Non-Existent | F,PL,E,LBM |
| Aug 06 2010 12" | 7mm TV | CF,CS,OVAL,UB,NND,AV,R=F | | |
| NGC 3184 | UMa | H168-1 | Galaxy SBc | PB,VL,R,VGBM |
| Mar 13 2007 8" | 11mmT6 | VF,S,R,NND,AV,R=F | | |
| NGC 3185 | Leo | | Galaxy (R)SB(r)a | PF,PL,GMBM |
| Apr 15 2007 31" | 17mmT4 | PB,L,OVAL,FNUC,MSB,R=G | | |
| Apr 05 2005 8" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 3186 | Leo | | Galaxy S | PF,VS,GBM,SEVF*NR |
| Apr 15 2007 31" | 17mmT4 | VF,L,R,NND,AV,R=F | | |
| NGC 3187 | Leo | | Galaxy SB(s)c pec | VF,E |
| Apr 15 2007 31" | 17mmT4 | PB,L,EL,OVAL,NND,R=G | | |
| NGC 3189 | Leo | | Knot in Galaxy | VVF,ME,PARALLEL-3190 |
| Apr 05 2005 8" | 11mmT6 | VF,EON,BOTTOM OF NGC 3190 | | |
| NGC 3190 | Leo | H44-2 | Galaxy SA(s)a pec sp | B,PS,E,PSBMN |
| Apr 15 2007 31" | 17mmT4 | VB,PL,EON,BNUC,HISB,R=G | | |
| Apr 26 2006 8" | 11mmT6 | F,PS,EL,OVAL,NND,R=F | | |
| Apr 05 2005 8" | 11mmT6 | MF,ML,EL,EON,FNUC,R=G | | |
| NGC 3193 | Leo | H45-2 | Galaxy E2 | B,S,VLE,PSLBM,*9NF |
| Apr 15 2007 31" | 17mmT4 | VB,L,R,BNUC,HISB,R=G | | |
| Apr 26 2006 8" | 11mmT6 | PF,PS,R,NND,R=F | | |
| Apr 14 2004 8" | 25mmPL | CLEAR NIGHT - MEGASTAR CONTROL | | |
| NGC 3194 | Dra | H965-3 | Galaxy S? | VF,VS |
| Aug 31 2010 12" | 7mm TV | CF,VS,OVAL,MEXT,UB,NND,AV,R=P. PA=170 | | |
| NGC 3196 | Leo | H348-3 | Galaxy | EEF,PS,LE |
| Apr 21 2007 31" | 17mmT4 | PF,PS,OVAL,NND,R=F | | |
| NGC 3197 | Dra | H966-3 | Galaxy Sbc | VF,VS |
| Jul 13 2013 18" | 7mm TV | PF,PS,OVAL,MEXT,UB,NND,R=F | | |
| NGC 3198 | UMa | H199-1 | Galaxy SB(rs)c | PB,VL,ME45,VGBM |
| Mar 13 2007 8" | 11mmT6 | VF,S,EON,NND,AV,R=F | | |
| NGC 3200 | Hya | | Galaxy SAB(rs)c: | PB,E160,BMN |
| Apr 08 2005 8" | 7.5mmW | VF,VS,EON,NND,AV,R=F | | |
| NGC 3204 | Leo | | Galaxy SAB(r)b | EF,PL,GBM |
| Apr 21 2007 31" | 17mmT4 | F,PS,OVAL,NND,R=F | | |
| NGC 3206 | UMa | H266-1 | Galaxy SB(s)cd | PB,CL,E,VGLBM |
| Apr 09 2010 12" | 11mmT6 | VF,CS,OVAL,PEXT,UB,NND,AV,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|--|---------------------------|----------------------------|
| NGC 3209 | Leo | | Galaxy E | F,S,R,HAS A * |
| Apr 21 2007 31" | 17mmT4 | PB,PLMOVAL,BNUC,R=G | | |
| NGC 3212 | Dra | H980-3 | Galaxy SB? | VF,S,2ND OF 3 |
| Jul 13 2013 18" | 7mm TV | VF,PS,OVAL,MEXT,UB,NND,R=F,PAIRED W/NGC-3215 | | |
| NGC 3213 | Leo | | Galaxy Sbc: | VF,VS,R,R |
| Apr 21 2007 31" | 17mmT4 | DIFF,CF,PL,OVAL,UB,NND,R=F | | |
| NGC 3215 | Dra | H981-3 | Galaxy S? | VF,S,3RD OF 3 |
| Jul 13 2013 18" | 7mm TV | VF,PS,PEXT,UB,NND,R=F,PAIRED W/NGC-3212 | | |
| NGC 3216 | Leo | H330-3 | Galaxy E: | VF,PS,R,BM |
| Apr 21 2007 31" | 17mmT4 | PF,PS,OVAL,FNUC,R=F | | |
| NGC 3218 | Dra | H283-1 | Galaxy SB(s)bc: | CB,CL,ER, |
| Aug 25 2011 12" | 5mm TV | F,VS,OVAL,MEXT,UB,NND,AV1,R=P | | |
| NGC 3221 | Leo | | Galaxy SB(s)cd: sp | EF,ME,RAY |
| Apr 21 2007 31" | 17mmT4 | DIFF,PF,PL,EON,NND,R=F | | |
| NGC 3222 | Leo | | Galaxy SB0: | F,LBM,RR,(BIN) |
| Apr 21 2007 31" | 17mmT4 | PB,PL,OVAL,FNUC,R=F | | |
| Mar 20 2007 8" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 3225 | UMa | H882-2 | Galaxy Scd: | CF,PL,LE,VGBM |
| Mar 28 2011 12" | 5mm TV | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 3226 | Leo | H28-2 | Galaxy E2: pec | PB,CL,R,DW/3227 |
| Apr 26 2006 8" | 11mmT6 | PF,PS,OVAL,NND,R=F | | |
| Mar 13 2004 8" | 25mmPL | COMPUTER = ARGO NAVIS | | |
| NGC 3227 | Leo | H29-2 | Galaxy SAB(s)a pec | PB,CL,R,DW/3226 |
| Apr 26 2006 8" | 11mmT6 | F,S,EL,R,NND,R=F | | |
| Mar 23 2004 8" | 25mmPL | COMPUTER = ARGO NAVIS | | |
| Mar 13 2004 8" | 25mmPL | COMPUTER = ARGO NAVIS | | |
| NGC 3230 | Leo | | Galaxy S0 | PF,PS,SBM*14,*9S19" |
| Apr 21 2007 31" | 17mmT4 | PB,PL,EL,OVAL,FNUC,MSB,R=G | | |
| NGC 3239 | Leo | H10-4 | Galaxy IB(s)m pec | VF,*9INV NR M |
| Apr 21 2007 31" | 17mmT4 | DIFF,PF,CL,OVAL,NND,R=F | | |
| NGC 3242 | Hya | H27-4 | Planetary Neb 4+3b | PLN,VB,LE147,45"D |
| May 22 2015 12" | 8mm Ds | NO FILTER CENTRAL STAR NOT VISIBLE | | |
| Apr 08 2005 8" | 7.5mmW | VB,VL,R,R=G | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|-----------------------------|------------------------------------|-----------------------------|
| NGC 3245 | LMI | H86-1 | Galaxy SA(r)0⁺? | VB,PL,E0, SMBMEN |
| May 25 2014 18" | 8mm Ds | PF,PS,OVAL,MEXT,BNUC,R=G | | |
| Mar 13 2007 8" | 11mmT6 | PF,PS,OVAL,NND,R=F | | |
| Mar 23 2004 8" | 25mmPL | COMPUTER = ARGO NAVIS | | |
| NGC 3245A | LMI | | Galaxy SB(s)b sp | |
| May 25 2014 18" | 8mm Ds | PF,VS,EON,UB,NND,R=F,PA=150 | | |
| NGC 3248 | Leo | H347-2 | Galaxy S0 | PB,S,R,PSBM |
| Apr 21 2007 31" | 17mmT4 | PB,PL,EL,OVAL,FNUC,MSB,R=G | | |
| NGC 3252 | Dra | H316-3 | Galaxy SBd? sp | EF,PS,ME,R |
| Jul 13 2013 18" | 7mm TV | PF,PS,EON,UB,NND,R=F,PA=35 | | |
| NGC 3253 | Leo | | Galaxy SAB(rs)bc | VF,PS,R |
| Apr 21 2007 31" | 17mmT4 | DIFF,PF,PL,R,NND,R=F | | |
| NGC 3254 | LMI | H72-1 | Galaxy SA(s)bc | CB,L,ME45,PSMBMN |
| Mar 20 2007 8" | 11mmT6 | F,L,EON,NND,R=F | | |
| NGC 3270 | Leo | H331-3 | Galaxy SAB(r)b: | CF,VS,E,GLBM |
| Apr 21 2007 31" | 17mmT4 | PB,PL,EON,FNUC,R=G | | |
| NGC 3274 | Leo | H358-2 | Galaxy SABd? | F,PL,R,GLBM,D* F |
| Apr 05 2005 8" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 3277 | LMI | H359-2 | Galaxy SA(r)ab | CB,CS,R,PGMBM |
| Mar 13 2007 8" | 11mmT6 | VF,VS,R,NND,R=F | | |
| NGC 3279 | Leo | | Galaxy Sd | F,ME |
| Apr 19 2006 31" | 19mmW | B,PL,MEON,UB,NND,R=G | | |
| NGC 3287 | Leo | | Galaxy SB(s)d | F,PL,D*P24S,S4' |
| Apr 21 2007 31" | 17mmT4 | DIFF,PF,PL,EL,OVAL,NND,R=F | | |
| NGC 3294 | LMI | H164-1 | Galaxy SA(s)c | CB,L,ME135,GLBM |
| May 15 2017 12" | 7mm TV | PF,PS,OVAL,UB,NND,R=F | | |
| Mar 13 2007 8" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 3299 | Leo | H54-3 | Galaxy SAB(s)dm | EF,CL,R,VGBM,R |
| Apr 21 2007 31" | 17mmT4 | DIFF,CF,PL,OVAL,NND,AV,R=F | | |
| NGC 3300 | Leo | H55-3 | Galaxy SAB(r)0⁺? | CF,CS,R,PMBM,R,AMBST |
| Apr 21 2007 31" | 17mmT4 | CB,PL,OVAL,FNUC,MSB,R=G | | |
| NGC 3301 | Leo | H46-2 | Galaxy SB0-a | CB,S,LE53,PSBM,R |
| Mar 06 2005 8" | 11mmT6 | MB,MS,EL,FNUC,MSB,R=G | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|---|----------------------------|----------------------------|
| NGC 3303 | Leo | H66-3 | Galaxy Pec | VF,VS,VLE,GLBM,R |
| Apr 21 2007 31" | 17mmT4 | PF,PL,OVAL,UB,NND,R=F | | |
| NGC 3306 | Leo | | Galaxy SB(s)m? | F,S,R |
| Apr 21 2007 31" | 17mmT4 | PF,PS,EON,UB,NND,R=F | | |
| NGC 3310 | UMa | H60-4 | Galaxy SAB(r)bc pec | CB,PL,R,VG,VSMBMN |
| Mar 13 2007 8" | 11mmT6 | CB,PS,R,FNUC,R=G | | |
| NGC 3319 | UMa | H700-3 | Galaxy SB(rs)cd | CF,L,IE,MB,S OF M |
| Apr 09 2010 12" | 11mmT6 | DIFF,CF,PS,OVAL,MEXT,NND,AV,R=F | | |
| NGC 3329 | Dra | H284-1 | Non-Existent | PB,S,LE,PSMBM |
| Aug 29 2010 12" | 7mm TV | CF,CS,OVAL,MEXGT,UB,NND,R=F. PA=100. | | |
| Aug 18 2010 12" | 7mm TV | CF,CS,OVAL,MEXT,UB,NND,A=F. PA=100, 2 STARS NEAR W.N.W. | | |
| Aug 06 2010 12" | 7mm TV | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 3332 | Leo | H272-1 | Galaxy (R)SA0- | VF,S,LE130 |
| Apr 21 2007 31" | 17mmT4 | DIFF,PF,PL,R,NND,R=F | | |
| NGC 3338 | Leo | H77-2 | Galaxy SA(s)c | F,CL,E,VGBM,*7P10S |
| May 15 2017 12" | 7mm TV | VF,PS,OVAL,UB,NND,R=F | | |
| Apr 26 2009 16" | 17mmT4 | PF,PS,EL,OVAL,UB,NND,R=F | | |
| Mar 06 2005 8" | 11mmT6 | VF,MS,EL,OVAL,PATCHY,NND,AV,R=G | | |
| NGC 3343 | Dra | H317-3 | Galaxy E | PF,S,R,GBM |
| Jul 13 2013 18" | 7mm TV | PF,PS,OVAL,MEXT,UB,NND,R=F | | |
| NGC 3344 | LMi | H81-1 | Galaxy (R)SAB(r)bc | CB,L,GBM,*INV,2ST F |
| May 15 2017 12" | 7mm TV | F,PS,OVAL,UB,NND,R=G. 3 STARS SUPERIMPOSED ON GALAXY. | | |
| Mar 13 2007 8" | 11mmT6 | PF,CL,OVAL,FNUC,R=F | | |
| Mar 23 2004 8" | 25mmPL | COMPUTER = ARGONAVIS | | |
| NGC 3346 | Leo | H7-5 | Galaxy SB(rs)cd | CF,VL,R,VGVLBM,ER |
| Apr 21 2007 31" | 17mmT4 | DIFF,PF,PL,R,NND,R=F | | |
| NGC 3349 | Leo | | Galaxy Sc | EF,VS |
| Apr 21 2007 31" | 17mmT4 | DIFF,CF,CS,R,NND,R=F | | |
| NGC 3351 | Leo | M95 | Galaxy SB(r)b | B,L,R,PGBMBN |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 11mmT6 | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| May 06 2007 1.9" | 12x50 | PF,PS,OVAL,NND,R=F | | |
| Mar 19 2006 8" | 19mmW | FB,L,OVAL,RNUC,HISB,R=G | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGONAVIS | | |
| Feb 25 2004 8" | 25mmPL | 1ST. QTR. | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|------------------------------------|-------------------------|-----------------------------|
| NGC 3352 | Leo | | Galaxy S0 | PB,S,R,BMN |
| Apr 07 2008 31" | 17mmT4 | B,PS,OVAL,FNUC,R=F | | |
| NGC 3356 | Leo | H107-3 | Galaxy Sbc | VF,PS,R,BM,*9S150" |
| Apr 21 2007 31" | 17mmT4 | PB,PL,EL,OVAL,FNUC,MSB,R=G | | |
| NGC 3357 | Leo | | Galaxy E+: | F,S,MBM |
| Apr 07 2008 31" | 17mmT4 | B,PS,R,FNUC,HSB,R=G | | |
| NGC 3359 | UMa | H52-5 | Galaxy SB(rs)c | PB,L,E0,GLBM |
| Apr 09 2010 12" | 11mmT6 | PF,PS,OVAL,PEXT,FNUC,R=G | | |
| NGC 3362 | Leo | | Galaxy SABc | VF,PS,R,LBM,R |
| Apr 07 2008 31" | 17mmT4 | F,L,OVAL,UB,NND,R=F | | |
| NGC 3363 | Leo | | Galaxy S? | F,PS,IR,LBM,R |
| Apr 07 2008 31" | 17mmT4 | F,L,OVAL,UB,NND,R=F | | |
| NGC 3365 | Sex | | Galaxy Scd: sp | EF,L,EE159,VGVLBM |
| Mar 30 2014 18" | 7mm TV | PF,PS,EON,UB,NND,R=F,PA=150 | | |
| NGC 3367 | Leo | H78-2 | Galaxy SB(rs)c | PB,CL,IR,VGLBM,R,1-3 |
| May 15 2017 12" | 7mm TV | VF,PS,R,UB,NND,R=G | | |
| Apr 26 2009 16" | 17mmT4 | PF,CS,R,UB,NND,R=F | | |
| Mar 19 2004 8" | 25mmPL | *12.0 MAG. 2004 MESSIER MAR.* | | |
| NGC 3368 | Leo | M96 | Galaxy SAB(rs)ab | VB,VL,LE,VSVMBM,R |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 11mmT6 | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| May 06 2007 1.9" | 12x50 | PF,PS,OVAL,NND,R=F | | |
| Mar 19 2006 8" | 19mmW | FB,L,OVAL,RNUC,HISB,R=G | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Feb 25 2004 8" | 25mmPL | 1ST. QTR. | | |
| NGC 3370 | Leo | H81-2 | Galaxy SA(s)c | CB,PL,VLE,GBM,R |
| May 13 2007 8" | 11mmT6 | PF,PS,OVAL,NND,AV,R=F | | |
| NGC 3371 | Leo | | Galaxy | EF,R,2ND OF 3 |
| May 15 2017 12" | 7mm TV | PF,PS,OVAL,MEXST,FNUC,R=F | | |
| NGC 3373 | Leo | | Galaxy SA0: | F,R,3RD OF 3 |
| May 15 2017 12" | 7mm TV | PF,VS,OVAL,MEXTMFNUC,R=G | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|--|------------------------------|-----------------------------|
| NGC 3377 | Leo | H99-2 | Galaxy E5-6 | VB,CL,LE,SVMBMBN |
| May 15 2017 12" | 7mm TV | PF,PS,OVAL,FNUC,R=G | | |
| Apr 26 2009 16" | 17mmT4 | PF,PS,OVAL,FNUC,R=F | | |
| Apr 26 2006 8" | 11mmT6 | VF,PS,OVAL,NND,AV,R=F | | |
| Apr 14 2004 8" | 25mmPL | CLEAR NIGHT - MEGASTAR CONTROL | | |
| Mar 13 2004 8" | 25mmPL | COMPUTER = ARGO NAVIS | | |
| NGC 3377A | Leo | | Galaxy SAB(s)m | |
| May 15 2017 12" | 7mm TV | VF,VS,OVAL,UB,NND,R=F | | |
| NGC 3379 | Leo | M105 H17-1 | Galaxy E1 | VB,CL,R,PSBM,R |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 11mmT6 | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Apr 02 2008 8" | 11mmT6 | PB,PLM,R,BNUC,HSB,R=G | | |
| May 06 2007 1.9" | 12x50 | PF,PS,OVAL,NND,R=F | | |
| Mar 19 2006 8" | 19mmW | FB,CL,OVAL,BNUC,HISB,R=G | | |
| May 12 2004 8" | 25mmPL | L.P. LOUSY-MAG. 9.5 TOPS! MSV5 | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Feb 25 2004 8" | 25mmPL | 1ST. QTR. | | |
| NGC 3381 | LMI | H565-2 | Galaxy SB pec | PF,CL,IR,VGLBM,1ST-3 |
| Mar 20 2007 8" | 11mmT6 | VF,PS,R,NND,AV,R=F | | |
| NGC 3384 | Leo | H18-1 | Galaxy SB(s)0-: | VB,L,R,PSMBM,2ND OF3 |
| Apr 02 2008 8" | 11mmT6 | PB,PL,OVAL,UB,FNUC,R=G | | |
| Apr 26 2006 8" | 11mmT6 | FB,PS,OVAL,UB,R=G | | |
| May 12 2004 8" | 25mmPL | L.P. LOUSY-MAG. 9.5 TOPS! MSV5 | | |
| Apr 14 2004 8" | 25mmPL | CLEAR NIGHT - MEGASTAR CONTROL | | |
| Mar 13 2004 8" | 25mmPL | COMPUTER = ARGO NAVIS | | |
| NGC 3389 | Leo | H41-2 | Galaxy SA(s)c | F,L,E PF,VGLBM,3RD-3 |
| Apr 02 2008 8" | 11mmT6 | PF,PS,OVAL,NND,R=F | | |
| Apr 26 2006 8" | 11mmT6 | PF,PS,EL,OVAL,NND,R=F | | |
| NGC 3391 | Leo | | Galaxy S? | F,S,R,BET2* NR |
| Apr 07 2008 31" | 17mmT4 | B,PS,OVAL,UB,NND,HSB,R=F | | |
| NGC 3395 | LMI | H116-1 | Galaxy SAB(rs)cd pec: | CB,PS,ILE,1ST OF 2 |
| May 15 2017 12" | 7mm TV | VF,PS,OVAL,MEXT,UB,NND,R=G. PAIRED W/NGC3396 | | |
| Mar 29 2006 8" | 11mmT6 | PF,PS,EL,OVAL,NND,R=F | | |
| Mar 04 2006 8" | 11mmT6 | VF,VS,R,NND,R=F | | |
| NGC 3396 | LMI | H117-1 | Galaxy IBm pec | PB,PS,ILE,2ND OF 2 |
| May 15 2017 12" | 7mm TV | VF, PS,OVAL,MEXTG,UB,NND,R=F. PAIRED W/NGC3395 | | |
| Mar 29 2006 8" | 11mmT6 | PF,VS,R,NND,R=F | | |
| Mar 04 2006 8" | 11mmT6 | VF,PS,OVAL,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|--|--|---|---------------------------|-----------------------------|
| NGC 3397 Aug 25 2011 12" | Dra 5mm TV | H284-1 F,VS,OVAL,PEXT,UB,FNUC,R=F | Galaxy (R)SA(r)b: | CB,VS,IF |
| NGC 3399 Apr 07 2008 31" | Leo 17mmT4 | PB,S,R,UB,NND,HSB,R=G | Galaxy S0? | F,VS |
| NGC 3403 Feb 23 2006 31" | Dra 17mmT4 | H335-2 MB,FS,OVAL,NND,LSB.R=F | Galaxy SAbc: | PF,L,IE,VGBM |
| NGC 3405 Apr 07 2008 31" | Leo 17mmT4 | PB,S,R,UB,NND,HSB,R=G | Galaxy S0 | F,ES,ALMSTELL,S*NR |
| NGC 3406 May 30 2014 18" | UMa 8mm Ds | PF,PS,R,UB,NND,R=F | Galaxy E | PB,R,PGBM |
| NGC 3412 Apr 26 2006 8" Apr 14 2004 8" | Leo 11mmT6 25mmPL | H27-1 FB,PS,OVAL,FNUC,MSB,R=G CLEAR NIGHT - MEGASTAR CONTROL | Galaxy SB(s)0^ | B,S,LE135,SMBMN |
| NGC 3413 May 15 2017 12" | LMi 7mm TV | H493-2 VF,VS,OVAL,MEXT,UB,NND,R=F | Galaxy S0 sp | F,S |
| NGC 3414 May 15 2017 12" Mar 04 2006 8" | LMi 7mm TV 11mmT6 | H362-2 PF,PS,OVAL,MEXT,FNUC,R=G MB,FS,OVAL,FNUC,R=G | Galaxy S0 pec | B,PL,R,MBM |
| NGC 3417 Apr 07 2008 31" | Leo 17mmT4 | VF,S,OVAL,NND,AV,R=F | Galaxy | EF,VS,ALM STELL |
| NGC 3418 May 15 2017 12" | LMi 7mm TV | H363-2 VF,PS,OVAL,UB,NND,R=F | Galaxy SAB(s)0/a: | CF,S,R,BM |
| NGC 3419 Apr 07 2008 31" | Leo 17mmT4 | PB,PS,R,BNUC,HSB,R=G | Galaxy (R)SAB(r)0+ | F,VS,R,ALMSTEL,S*VNR |
| NGC 3419A Apr 07 2008 31" | Leo 17mmT4 | PF,PS,EON,UB,NND,R=F | Galaxy SB(s)b: sp | |
| NGC 3423 Mar 15 2005 8" | Sex 11mmT6 | H6-4 VF,ROUND,NND,AV,R=F | Galaxy SA(s)cd | F,VL,R,VGBM,RR |
| NGC 3424 May 15 2017 12" Mar 30 2014 18" Mar 28 2011 12" | LMi 7mm TV 7mm TV 7mm TV | H494-2 PF,PS,OVAL,VEXT,UB,NND,R=G DIFF,PF,PS,R,UB,NND,R=F PF,CS,EON,UB,NND,R=F,PA=120 | Galaxy SB(s)b: ? | PF,PL,LE,SP OF 3 |
| NGC 3425 Apr 07 2008 31" | Leo 17mmT4 | H108-3 PF,PS,R,UB,NND,R=F | Non-Existent | EF,ES,R |

Observations Listing by Catalog Number

| | | | | |
|---|--|---|---|-----------------------------|
| NGC 3426 Apr 07 2008 31" | Leo 17mmT4 | | Galaxy S? PB,PS,OVAL,BNUC,HSB,R=G | PF,S,R,D*N |
| NGC 3427 Apr 07 2008 31" | Leo 17mmT4 | | Galaxy S0/a B,S,EL,OVAL,FNUC,R=F | NEB,NO DESCR |
| NGC 3428 Apr 07 2008 31" | Leo 17mmT4 | | Galaxy SAB(s)b B,L,EON,UB,NND,R=F | VF,S,LE,GLBM |
| NGC 3430 May 15 2017 12" Mar 28 2011 12" Mar 29 2006 8" | LMi 7mm TV 7mm TV 11mmT6 | H118-1 PF,PS,OVALMUB,NND,R=F PF,PS,OVAL,MEXT,UB,NND,R=F PF,S,OVAL,NND,R=F | Galaxy SAB(rs)c | PB,L,IE,GBM,2ND OF 3 |
| NGC 3432 May 15 2017 12" Mar 29 2006 8" | LMi 7mm TV 11mmT6 | H172-1 PF,PS,EON,UB,NND,R=G F,L,EON,NND,R=F | Galaxy SB(s)m sp | PB,PL,VME40,**NR SP |
| NGC 3435 May 30 2014 18" | UMa 8mm Ds | H887-2 VF,PS,OVAL,UB,NND,R=F | Galaxy Sb | CF,PS,LE,VGBM |
| NGC 3437 May 13 2007 8" | Leo 11mmT6 | H47-2 VF,CS,EL,OVAL,NND,AV,F | Galaxy SAB(rs)c: | PB,PL,LE120,GBM |
| NGC 3440 May 30 2014 18" | UMa 8mm Ds | H914-3 PF,PS,EON,UB,NND,R=F,PA=50 | Galaxy SBb? sp | VF,S,LE |
| NGC 3445 May 30 2014 18" | UMa 8mm Ds | H267-1 PFL,PS,R,UB,NND,R=F | Galaxy SAB(s)m | CB,PL,IR,VGLBM,*NF2' |
| NGC 3448 Apr 09 2010 12" | UMa 11mmT6 | H233-1 PF,PS,EON,UB,NND,R=F | Galaxy I0 | B,PL,ME67,GBM |
| NGC 3454 May 25 2014 18" | Leo 8mm Ds | | Galaxy SB(s)c? sp PF,VS,EON,UB,NND,R=F,PA=110 | PF,LE,NP OF 2 |
| NGC 3455 May 25 2014 18" | Leo 8mm Ds | H82-2 PF,PS,OVAL,UB,NND,R=F | Galaxy (R')SAB(rs)b | PF,S,E,GBM,R,SF OF 2 |
| NGC 3457 May 13 2007 8" | Leo 7.5mmW | | Galaxy S? VF,VS,OVAL,NND,AV,R=F | 2OR3S* AND NEB |
| NGC 3458 Apr 09 2010 12" | UMa 11mmT6 | H268-1 PB,CS,R,BNUC,R=G | Galaxy SAB0: | VB,VS,R,STELLAR |
| NGC 3465 Jul 13 2013 18" Feb 23 2006 31" | Dra 7mm TV 17mmT4 | H967-3 VF,PS,OVAL,MEXT,UB,NND,R=F MF,FS,R,FNUC,MSB,R=F | Non-Existent | EF,PL,R,VGLBM,**NF |

Observations Listing by Catalog Number

| | | | | |
|--|--|---|---------------------------|-----------------------------|
| NGC 3471 Apr 09 2010 12" | UMa 11mmT6 | H972-3 PF,CS,OVAL,UB,NND,R=F | Galaxy Sa | VF,S,R,BM |
| NGC 3485 Apr 19 2007 31" | Leo 17mmT4 | H100-2 B,L,OVAL,UB,FNUC,R=G | Galaxy SB(r)b: | F,L,R,GLBM,R |
| NGC 3486 May 15 2017 12" Mar 13 2007 8" Mar 23 2004 8" | LMi 7mm TV 11mmT6 25mmPL | H87-1 PF,PS,OVAL,MEXT,UB,NND,R=F VF,CL,R,NND,AV,R=F COMPUTER = ARGO NAVIS | Galaxy SAB(r)c | CB,CL,R,GMBM |
| NGC 3487 Apr 19 2007 31" | Leo 17mmT4 | H100-2 B,L,EL,OVAL,UB,NND,RR=F | Galaxy Sb? sp | EEF,PS,R, V DIFFIC |
| NGC 3489 Apr 26 2006 8" May 22 2004 8" Mar 13 2004 8" | Leo 11mmT6 25mmPL 25mmPL | H101-2 FB,FS,OVAL,UB,FNUC,R=G DECENT NIGHT - MEGASTAR CONTROL COMPUTER = ARGO NAVIS | Galaxy SAB(rs)0+ | VB,PL,LE80,SMBMN |
| NGC 3490 Apr 19 2007 31" | Leo 17mmT4 | H100-2 CF,PS,R,UB,NND,R=F | Galaxy E | VF,S |
| NGC 3491 Apr 19 2007 31" | Leo 17mmT4 | H21-3 CB,CL,R,BNUC,HISB,R=F | Galaxy S0-: | EF,CS,R,BMN |
| NGC 3492 Apr 19 2007 31" | Leo 17mmT4 | H100-2 PB,L,OVAL,UB,FNUC,R=G | Galaxy S? | PF,S,*9P20S,1'S |
| NGC 3495 Apr 19 2007 31" | Leo 17mmT4 | H498-3 B,PL,EON,FNUC,MHISB,R=G | Galaxy Sd: | VF,PL,ME |
| NGC 3497 Apr 14 2016 12" | Crt 8mm Ds | H824-3 VF,PS,OVAL,NND,AV,R=F, LOW ON HORIZON | Galaxy SA(s)0^: | VF,VS,IR,GLBM |
| NGC 3501 Apr 19 2007 31" | Leo 17mmT4 | H100-2 B,L,EON,UB,NND,R=G | Galaxy Scd: | VF,ME NS,GBM,3'LONG |
| NGC 3504 Mar 29 2006 8" | LMi 11mmT6 | H88-1 F,S,R,UB,R=F | Galaxy (R)SAB(s)ab | B,L,E,MBMN,RR,P OF 2 |
| NGC 3506 Apr 19 2007 31" | Leo 17mmT4 | H22-3 PB,L,R,FNUC,MHISB,R=G | Galaxy Sc: | VF,CS,R,VGVLBM |
| NGC 3507 Mar 06 2005 8" | Leo 11mmT6 | H7-4 DIFF,VF,MS,OVAL,NND,AV,R=F | Galaxy SB(s)b | CF,PL,R,SBMS*,*9ATT |
| NGC 3509 Apr 19 2007 31" | Leo 17mmT4 | H598-3 B,PL,EL,OVAL,FNUC,MHISB,R=G | Galaxy SA(s)bc pec | EF,S,(LE) |

Observations Listing by Catalog Number

| | | | | |
|---|--|--|---------------------------|-----------------------------|
| NGC 3510 Mar 20 2007 8" | LMI 11mmT6 | H365-2 PF,L,EON,NND,AV,R=F | Galaxy SB(s)m sp | F,L,CE,*7NF8' |
| NGC 3511 Mar 01 2011 12" Jun 07 2010 12" | Crt 11mmT6 11mmT6 | H39-5 PF,PS,EON,UB,NND,R=F CF,PS,EON,UB,NND,R=F | Galaxy SA(s)c | VF,VL,ME |
| NGC 3512 Mar 20 2007 8" | LMI 11mmT6 | H366-2 VF,VS,R,NND,AV,R=F | Galaxy SAB(rs)c | F,PS,R,PGBM,F OF 2 |
| NGC 3513 Mar 01 2011 12" | Crt 11mmT6 | H40-5 PF,PS,OVAL,UB,NND,R=F | Galaxy SB(rs)c | VF,VL,ME |
| NGC 3516 Jul 14 2010 12" | UMa 7.5mmW | H336-2 PF,CS,OVAL,FNUC,R=F | Galaxy (R)SB(s)0^: | PB,VS,IR,PSMBM* |
| NGC 3521 Apr 26 2006 8" May 12 2004 8" Mar 13 2004 8" | Leo 11mmT6 25mmPL 25mmPL | H13-1 PB,PL,OVAL,BNUC,HISB,R=G L.P. LOUSY-MAG. 9.5 TOPS! COMPUTER = ARGO NAVIS | Galaxy SAB(rs)bc | CB,CL,ME140,VSMBMN |
| NGC 3522 Apr 19 2007 31" | Leo 17mmT4 | H336-2 PB,PS,OVAL,FNUC,R=G | Galaxy E | PF,VS,LE |
| NGC 3523 Jul 13 2013 18" Feb 23 2006 31" | Dra 7mm TV 17mmT4 | H904-2 VF,PS,R,UB,NND,AV,R=F DIFF,B,ML,R,NND,R=F | Galaxy Sbc | F,PL,LBM, |
| NGC 3524 Apr 19 2007 31" | Leo 17mmT4 | H23-3 PB,PL,EON,BNUC,HISB,R=G | Galaxy S0/a | F,S,LE,PSBM,2*NPLINE |
| NGC 3531 Apr 19 2007 31" | Leo 17mmT4 | H336-2 B,PL,EON,UB,NND,R=F | Non-Existent | E50,*11SPEND,(=3526) |
| NGC 3534 Apr 19 2007 31" | Leo 17mmT4 | H336-2 CF,PL,EL,OVAL,UB,NND,R=G | Galaxy Sb | VF,*9NP 3' |
| NGC 3535 Apr 19 2007 31" | Leo 17mmT4 | H111-3 PB,CS,OVAL,BNUC,R=G | Galaxy SA(s)a pec: | CF,VS,R,BM,R |
| NGC 3547 Apr 19 2007 31" | Leo 17mmT4 | H42-2 PB,L,UB,NND,R=G | Galaxy Sb: | F,S,LE,VLBM |
| NGC 3551 Apr 19 2007 31" | Leo 17mmT4 | H336-2 CF,CS,OVAL,UB,NND,R=F | Galaxy | EEF,VS,R,SP OF 2 |
| NGC 3555 Apr 19 2007 31" | Leo 17mmT4 | H336-2 PF,PS,R,UB,NND,R=F | Galaxy E? | VF,R,NF OF 2 |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|---|--------------------------|-----------------------------|
| NGC 3556 | UMa | M108 H46-5 | Galaxy SB(s)cd sp | CB,VL,VME79,PBM,R |
| Apr 20 2018 12" | 11mmT6 | | | |
| Jul 15 2015 12" | 17mmT4 | | | |
| May 23 2015 12" | 11mmT6 | | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Mar 08 2007 1.9" | 12x50 | F,S,EON,NND,R=F | | |
| Aug 20 2006 1.9" | 12x50 | PF,PS,OVAL,NND,R=F | | |
| Mar 19 2006 8" | 19mmW | FB,FL,EL,EON,RNUC,R=G | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Dec 26 2003 8" | 25mmPL | Q/M COLD | | |
| NGC 3559 | Leo | H79-3 | Galaxy S pec | EF,PS,LE,R |
| Apr 19 2007 31" | 17mmT4 | B,PL,OVAL,UB,NND,R=F | | |
| NGC 3562 | Dra | H337-2 | Galaxy E | PF,PS,LE,GBM,*70"NP |
| Aug 31 2010 12" | 7mm TV | CF,PS,OVAL,PATCH,NND,AV,R=F. PA=135 | | |
| NGC 3563 | Leo | | Galaxy SB0: | PF,PL,*8M2'N |
| Apr 19 2007 31" | 17mmT4 | PB,PL,OVAL,FNUC,MHISB,R=G | | |
| NGC 3563A | Leo | | Non-Existent | |
| Apr 19 2007 31" | 17mmT4 | PB,PS,OVAL,FNUC,R=F | | |
| NGC 3563B | Leo | | Galaxy S0-a | |
| Mar 08 2013 18" | 8.8 ES | VF,PS,OVA,,UB,NND,R=F, PAIRED W/NGC-3563A | | |
| NGC 3567 | Leo | H89-3 | Galaxy S0 pec | EF,R,SBM,R |
| Mar 08 2013 18" | 8.8 ES | VF,PS,OVAL,UB,NND,R=F | | |
| NGC 3574 | Leo | | Galaxy S? | EF |
| Mar 08 2013 18" | 8.8 ES | VF,PS,R,UB,NND,R=F | | |
| NGC 3575 | Leo | | Non-Existent | PB,PL,R,*11P |
| Apr 14 2016 12" | 8mm Ds | PF,PS,OVAL,UB,NND,R=F | | |
| Apr 14 2004 8" | 25mmPL | CLEAR NIGHT - MEGASTAR CONTROL | | |
| NGC 3583 | UMa | H728-2 | Galaxy SB(s)b | PB,PL,R,VGMBM |
| Jul 14 2010 12" | 7.5mmW | DIFF,CF,PS,OVAL,UB,NND,R=F | | |
| NGC 3585 | Hya | H269-2 | Galaxy E6 | B,PL,E,VSMBMN,2B*TRI |
| Mar 29 2006 8" | 11mmT6 | B,L,OVAL,FNUC,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|---|-------------------------|-----------------------------|
| NGC 3587 | UMa | M97 | Planetary Neb 3a | PLN,VB,VL,R,VVG,VSBM |
| Apr 20 2018 12" | 11mmT6 | | | |
| Apr 14 2016 12" | 8mm Ds | PRETTY FAINT. NO FILTER USED. | | |
| Aug 15 2015 12" | 11mmT6 | | | |
| May 23 2015 12" | 11mmT6 | | | |
| Jul 13 2013 18" | 7mm TV | MORE EYE CANDY | | |
| May 23 2012 18" | 17mmAT | EYE CANDY | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Jul 04 2011 12" | 11mmT6 | LAST OBJECT OF THE NIGHT. BACK TO WORK. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Mar 08 2007 1.9" | 12x50 | B,R,R=G. LOOKS STELLAR | | |
| Aug 20 2006 1.9" | 12x50 | PF,VS,AV,R=F | | |
| Mar 19 2006 8" | 19mmW | PB,L,R,R=G | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Dec 26 2003 8" | 25mmPL | Q/M COLD | | |
| NGC 3592 | Leo | | Galaxy Sc? sp | EF,S,PME60 |
| Mar 08 2013 18" | 8.8 ES | PF,PS,EON,UB,NND,R=F | | |
| NGC 3593 | Leo | H29-1 | Galaxy SA(s)0/a: | B,CL,E90,PSMBM |
| Apr 26 2006 8" | 11mmT6 | F,L,EON,NND,R=F | | |
| Apr 14 2004 8" | 25mmPL | CLEAR NIGHT - MEGASTAR CONTROL | | |
| NGC 3596 | Leo | H102-2 | Galaxy SAB(rs)c | PF,L,R,GLBM |
| Mar 06 2005 8" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 3598 | Leo | | Galaxy S0-: | F,VS,STELL,*N |
| Mar 16 2010 12" | 11mmT6 | CF,PS,OVAL,UB,NND,R=F | | |
| NGC 3599 | Leo | H49-2 | Galaxy SA0: | B,PS,R,PGMBM |
| Apr 05 2005 8" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 3604 | Leo | H626-2 | Galaxy | PB,S,LE,MBM |
| May 13 2007 8" | 11mmT6 | VF,PS,R,NND,AV,R=F | | |
| NGC 3605 | Leo | H27-3 | Galaxy E4-5 | F,S,R,SP OF 3 |
| May 13 2007 8" | 11mmT6 | PF,PS,R,NND,R=F | | |
| NGC 3607 | Leo | H50-2 | Galaxy SA(s)0^: | VB,L,R,VMBM,2ND OF 3 |
| Apr 26 2006 8" | 11mmT6 | PB,L,R,BNUC,HISB,R=G | | |
| May 12 2004 8" | 25mmPL | L.P. LOUSY-MAG. 9.5 TOPS! MSV5 | | |
| Mar 10 2004 8" | 25mmPL | N/M, NO COMPUTER | | |
| NGC 3608 | Leo | H51-2 | Galaxy E2 | B,PL,R,PSBM,3RD OF 3 |
| Apr 26 2006 8" | 11mmT6 | B,CL,OVAL,NND,R=F | | |
| Mar 10 2004 8" | 25mmPL | N/M, NO COMPUTER | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|------------------------------------|---------------------------|-----------------------------|
| NGC 3610 | UMa | H270-1 | Galaxy E5: | VB,PS,LE90,VSVMBMSN |
| Mar 17 2007 8" | 11mmT6 | PB,S,R,BNUC,R=G | | |
| Mar 13 2007 8" | 11mmT6 | PF,PS,R,NND,R=F | | |
| NGC 3611 | Leo | H521-2 | Galaxy SA(s)a pec | PF,CS,IR,PSMBM,*NP3' |
| Apr 09 2008 8" | 11mmT6 | PF,PS,OVAL,NND,LSB,R=F | | |
| NGC 3613 | UMa | H271-1 | Galaxy E6 | VB,CL,ME305,SMBMN |
| Mar 17 2007 8" | 11mmT6 | F,PS,OVAL,FNUC,R=G | | |
| NGC 3619 | UMa | H244-1 | Galaxy (R)SA(s)0+: | CB,CL,R,VGMBM |
| Mar 17 2007 8" | 11mmT6 | F,PS,R,NND,R=F | | |
| NGC 3621 | Hya | H241-1 | Galaxy SA(s)d | CB,VL,E160,AM4* |
| Mar 18 2007 8" | 11mmT6 | PF,PL,OVAL,NND,AV,R=F | | |
| NGC 3622 | UMa | H879-2 | Galaxy S? | PB,S,R,GBM |
| Jul 14 2010 12" | 7.5mmW | VF,CS,OVAL,MEXT,UB,NND,AV,R=F | | |
| NGC 3623 | Leo | M65 | Galaxy SAB(rs)a | B,VL,ME165,GBMBN |
| Apr 20 2018 12" | 11mmT6 | | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 11mmT6 | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Apr 15 2007 31" | 32mmUW | VB,VL,EON,BNUC,HISB,R=E | | |
| Mar 10 2007 1.9" | 12x50 | VF,PS,OVAL,NND,AV,R=F | | |
| Mar 19 2006 8" | 19mmW | PB,L,EL,OVAL,FNUC,R=G | | |
| May 12 2004 8" | 25mmPL | L.P. LOUSY-MAG. 9.5 TOPS! MSV5 | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Feb 25 2004 8" | 25mmPL | 1ST. QTR. | | |
| NGC 3624 | Leo | | Galaxy SB(r)b | EF |
| Apr 15 2007 31" | 17mmT4 | PF,S,OVAL,NND,R=F | | |
| NGC 3626 | Leo | H52-2 | Galaxy S0-a | B,S,VLE,SBM |
| Apr 26 2006 8" | 11mmT6 | B,PS,OVAL,FNUC,MSB,R=F | | |
| Mar 10 2004 8" | 25mmPL | N/M, NO COMPUTER | | |

Observations Listing by Catalog Number

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|------------------|------------|------------------------------------|--------------------------|-----------------------------|
| NGC 3627 | Leo | M66 | Galaxy SAB(s)b | B,VL,ME150,MBM,2*NP |
| Apr 20 2018 12" | 11mmT6 | | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 11mmT6 | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Apr 15 2007 31" | 32mmUW | VB,PL,EL,OVAL,BNUC,HISB,R=G | | |
| Mar 10 2007 1.9" | 12x50 | B,PL,OVAL,NND,R=G | | |
| Mar 19 2006 8" | 19mmW | PB,PL,EL,OVAL,BNUC,R=G | | |
| Apr 04 2005 8" | 11mmT6 | VB,ML,EL,EON,NUC,HISB,R=E | | |
| May 12 2004 8" | 25mmPL | L.P. LOUSY-MAG. 9.5 TOPS! MSV5 | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Feb 25 2004 8" | 25mmPL | 1ST. QTR. | | |
| NGC 3628 | Leo | H8-5 | Galaxy Sb pec sp | PB,VL,VME102 |
| Apr 26 2006 8" | 11mmT6 | PF,CL,EON,NND,R=F | | |
| May 12 2004 8" | 25mmPL | L.P. LOUSY-MAG. 9.5 TOPS! MSV5 | | |
| Apr 14 2004 8" | 25mmPL | CLEAR NIGHT - MEGASTAR CONTROL | | |
| NGC 3629 | Leo | H338-2 | Galaxy SA(s)cd: | CF,L,R,VGVLBM |
| Apr 15 2007 31" | 17mmT4 | F,PL,OVAL,NND,R=F | | |
| NGC 3630 | Leo | | Galaxy S0 sp | PB,S,R,SMBMN |
| Apr 15 2007 31" | 17mmT4 | VB,PL,EONB,BNUC,HISB,R=G | | |
| NGC 3631 | UMa | H226-1 | Galaxy SA(s)c | PB,L,R,SVMBMRN |
| Mar 17 2007 8" | 11mmT6 | B,PL,R,FNUC,R=G | | |
| NGC 3633 | Leo | | Galaxy SAa: sp | VF,S,R,2ST NR |
| Apr 15 2007 31" | 17mmT4 | PB,L,EON,UB,NND,R=F | | |
| NGC 3636 | Crt | H550-2 | Galaxy E0 | F,VS,R,LBM,*7F,P OF2 |
| Mar 01 2011 12" | 7mm TV | F,CS,R,BNUC,R=G | | |
| NGC 3637 | Crt | H551-2 | Galaxy (R)SB(r)0^ | F,VS,R,PSBM,*7P,FOF2 |
| Mar 01 2011 12" | 7mm TV | F,CS,R,BNUC,R=G | | |
| NGC 3639 | Leo | | Galaxy S? | PF,S,R,VLBM,15'F2376 |
| Apr 15 2007 31" | 17mmT4 | B,L,OVAL,UB,NND,R=F | | |
| NGC 3640 | Leo | H33-2 | Galaxy E3 | B,PL,R,PSBM |
| Apr 15 2007 31" | 17mmT4 | PB,L,R,BNUC,HISB,R=G | | |
| Apr 26 2006 8" | 11mmT6 | PB,L,OVAL,FNUC,MSB,R=G | | |
| Apr 14 2004 8" | 25mmPL | CLEAR NIGHT - MEGASTAR CONTROL | | |
| NGC 3641 | Leo | | Galaxy E pec | F,VS,ALMSTEL,3640N2' |
| Apr 15 2007 31" | 17mmT4 | PB,S,R,BNUC,HISB,R=G | | |

Observations Listing by Catalog Number

| | | | | |
|--|--------------------------------|--|----------------------------|-----------------------------|
| NGC 3642 Mar 17 2007 8" | UMa 11mmT6 | H245-1 F,PL,OVAL,NND,R=F | Galaxy SA(r)bc: | PB,PL,R,VGBM |
| NGC 3643 Apr 15 2007 31" Mar 17 2007 8" | Leo 17mmT4 11mmT6 | H245-1 F,L,OVAL,UB,NND,R=F F,PS,OVAL,FNUC,R=F | Galaxy SB(r)0+: sp | EF,VS |
| NGC 3644 Apr 15 2007 31" | Leo 17mmT4 | H245-1 PF,S,EL,OVAL,UB,NND,R=F | Galaxy (R')SBa pec: | VF,VS |
| NGC 3646 May 13 2007 8" | Leo 11mmT6 | H15-3 CF,PS,OVAL,NND,R=F | Galaxy Ring | CF,CL,LE,GBM,SP OF 2 |
| NGC 3651 Apr 26 2008 31" | Leo 17mmT4 | H335-3 PB,S,OVAL,UB,NND,R=F | Galaxy E | CF,VS,R,BM,NP OF 2 |
| NGC 3652 Mar 28 2011 12" | UMa 5mm TV | H775-2 PF,PS,OVAL,UB,NND,R=F,PA=115 | Galaxy Scd? | PF,CL,LE,VGBM |
| NGC 3653 Apr 26 2008 31" | Leo 17mmT4 | H336-3 PB,S,OVAL,NND,MSB,R=F | Galaxy S0? | VF,VS,SF OF 2 |
| NGC 3654 May 30 2014 18" | UMa 8mm Ds | H880-2 PF,PS,OVAL,MEXT,UB,NND,R=F | Galaxy S? | F,S,LE15 |
| NGC 3655 Mar 13 2007 8" | Leo 11mmT6 | H5-1 VF,VS,R,NND,AV,R=F | Galaxy SA(s)c: | PB,PS,IR,BM,R |
| NGC 3656 May 30 2014 18" | UMa 8mm Ds | H782-2 PF,PS,R,UB,NND,R=F | Galaxy (R')I0: pec | PB,S,R,VGBM,*12P |
| NGC 3657 May 30 2014 18" | UMa 8mm Ds | H768-3 PF,PS,R,UB,NND,R=F | Galaxy SAB(rs)c pec | CF,VS,R,STELLAR |
| NGC 3659 Apr 13 2005 31" | Leo 11mmT6 | H53-2 MB,ML,EL,OVAL,NND,MSB,R=G | Galaxy SB(s)m? | CF,S,LE,R |
| NGC 3662 Mar 30 2014 18" | Leo 7mm TV | H4-4 VF,VS,OVAL,NND,R=F | Galaxy SAB(r)bc pec | VF,S,ATT TO*13M |
| NGC 3664 Mar 17 2010 12" | Leo 11mmT6 | H245-1 VF,VS,OVAL,NND,AV,R=F | Galaxy SB(s)m pec | PF,BIN |
| NGC 3665 Mar 17 2007 8" | Leo 11mmT6 | H219-1 PB,L,OVAL,BNUC,R=G | Galaxy SA(s)0^ | CB,CL,IR,PGMBM |
| NGC 3666 May 13 2007 8" | Leo 11mmT6 | H20-1 CF,PS,EON,NND,R=F | Galaxy SA(rs)c: | F,E90,*6F34S,5'N |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|---------------------------------------|--------------------------|--------------------------|
| NGC 3668 | UMa | H845-2 | Galaxy Sbc | F,PS,IR,GBM,*9NP |
| Jul 14 2010 12" | 7.5mmW | VF,CS,R,UB,NND,AV,R=F | | |
| NGC 3669 | UMa | H829-2 | Galaxy SBcd: sp | VF,PL,PME135,ER |
| Jul 14 2010 12" | 7.5mmW | VF,CS,EON,UB,NND,AV,R=P | | |
| NGC 3672 | Crt | H131-1 | Galaxy SA(s)c | PB,L,E0,GBM |
| Mar 01 2011 12" | 7mm TV | PF,PS,OVAL,PEXT,UB,NND,R=F | | |
| NGC 3674 | UMa | H886-2 | Galaxy S0 sp | PF,IF |
| May 30 2014 18" | 8mm Ds | PF,PS,OVAL,EEXT,UB,NND,R=F,PA=25 | | |
| NGC 3675 | UMa | H194-1 | Galaxy SA(s)b | VB,CL,VME0,VSMBMN |
| Mar 17 2007 8" | 11mmT6 | PB,PL,EL,OVAL,BNUC,R=G | | |
| NGC 3678 | Leo | | Galaxy Sbc | VF,S,R,PSBM,*12NF |
| Mar 30 2014 18" | 7mm TV | VF,VS,OVAL,NND,AV3,R=P | | |
| NGC 3679 | Leo | H112-3 | Galaxy Sbc | EF,CL,R,R,VNR VB* |
| Mar 30 2014 18" | 7mm TV | VF,VS,OVAL,NND,AV1,R=P | | |
| NGC 3681 | Leo | H159-2 | Galaxy SAB(r)bc | B,PS,R,BM |
| Apr 20 2018 12" | 11mmT6 | | | |
| May 13 2007 8" | 11mmT6 | CF,CS,R,NND,AV,R=P | | |
| NGC 3682 | Dra | H262-1 | Galaxy SA(s)0/a:? | CB,S,IR,SPMBMN |
| Aug 31 2010 12" | 7mm TV | PF,CS,OVAL,MEXT,UB,NND,R=F. PA=75 | | |
| NGC 3683 | UMa | H246-1 | Galaxy SB(s)c? | CB,PL,E |
| Mar 28 2011 12" | 5mm TV | VF,PS,OVAL,UB,NND,AV,R=F | | |
| NGC 3684 | Leo | | Galaxy SA(rs)bc | PB,PL,E,VGBM |
| Apr 20 2018 12" | 11mmT6 | | | |
| May 13 2007 8" | 11mmT6 | PF,PS,OVAL,NND,R=F | | |
| NGC 3686 | Leo | H160-2 | Galaxy SB(s)bc | PB,L,VLE,VGBM,R |
| Apr 20 2018 12" | 11mmT6 | | | |
| Apr 26 2006 8" | 11mmT6 | VF,PS,OVAL,NND,AV,R=F | | |
| NGC 3689 | Leo | H339-2 | Galaxy SAB(rs)c | PB,PL,LE,BM |
| Apr 14 2016 12" | 8mm Ds | PF,PS,OVAL,MEXT,NND,R=F | | |
| May 13 2007 8" | 11mmT6 | F,VS,R,NND,AV,R=F | | |
| NGC 3690 | UMa | H247-1 | Galaxy IBm pec | PB,PS,VLE80,PGBM |
| Jun 22 2012 18" | 8.8 ES | PF,PS,OVAL,UB,NND,R=F,PAIRED W/IC-694 | | |
| NGC 3691 | Leo | H54-2 | Galaxy SBb? | F,PS,LE,R |
| Apr 14 2016 12" | 8mm Ds | VF,VS,OVAL,NND,AV,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|---|--------------------------------|--|---------------------------|-----------------------------|
| NGC 3692 Apr 14 2016 12" | Leo 8mm Ds | H152-2 VF,VS,EON,UB,NND,R=F | Galaxy Sb | F,ME,R |
| NGC 3693 Mar 01 2011 12" | Crt 5.5mmN | H532-3 VF,VS,EON,UB,NND,AV,R=F | Galaxy (R')SA(r)b: | CF,S,E,GBM |
| NGC 3697 Mar 30 2014 18" Apr 26 2008 31" | Leo 7mm TV 17mmT4 | H152-2 VF,VS,EON,UB,NND,AV1,R=F,PA=95 DIFF,PF,PL,EON,UB,NND,R=G | Galaxy SABb | EF,VS,E90 |
| NGC 3701 Mar 30 2014 18" | Leo 7mm TV | H349-2 VF,PS,OVAL,MEXT,UB,NND,AV,R=F,PA=135 | Galaxy Sbc | PF,PL,LE |
| NGC 3705 May 13 2007 8" | Leo 11mmT6 | H13-2 PF,CS,OVAL,NND,R=F | Galaxy SAB(r)ab | PF,PL,R,VSMBM,R |
| NGC 3710 May 14 2010 31" | Leo 17mmT4 | H350-2 PB,PS,R,BNUC,HSB,R=G | Galaxy E | F,S,*7,8NF 5' |
| NGC 3713 May 14 2010 31" | Leo 17mmT4 | H367-2 PB,PS,OVAL,MEXT,BNUC,HSB,R=G | Galaxy S0-: | F,CS,R,SBMN |
| NGC 3716 May 14 2010 31" | Leo 17mmT4 | H367-2 PF,PS,OVAL,MEXT,UB,FNUC,R=F | Galaxy (R)SAB0^? | VF,VS |
| NGC 3718 May 23 2012 18" Feb 23 2006 31" | UMa 8.8 ES 17mmT4 | H221-1 F,S,OVAL,MEXT,UB,NND,R=F VB,VL,OVAL,BNUC,HISB,R=G | Galaxy SB(s)a pec | PB,VL,R,VGLBM |
| NGC 3726 Mar 17 2007 8" | UMa 11mmT6 | H730-2 PF,PL,OVAL,NND,R=F | Galaxy SAB(r)c | PB,VL,LE0,VSMBM,*11N |
| NGC 3729 Feb 23 2006 31" | UMa 17mmT4 | H222-1 FB,FL,R,BNUC,HISB,R=G | Galaxy SB(r)a pec | PB,PL,LE0,GBM,*12NR |
| NGC 3732 Mar 01 2011 12" | Crt 5.5mmN | H552-2 CF,CS,R,UB,NND,R=F | Galaxy SB0-a | F,S,R,PSBM,*14SP |
| NGC 3735 Aug 31 2010 12" Aug 29 2010 12" | Dra 7mm TV 7mm TV | H287-1 CF,PS,EON,UB,NND,R=F. PA=90 CF,PS,EON,UB,NND,R=F. PA=90 | Galaxy SAc: sp | PB,L,ME130,MBM |
| NGC 3736 Jul 13 2013 18" | Dra 7mm TV | H287-1 PF,PS,OVAL,NND,AV,R=F | Galaxy Sb | VF,VS,R |
| NGC 3738 Jun 22 2012 18" | UMa 8.8 ES | H783-2 B,PS,OVAL,MEXT,UB,NND,R=F | Galaxy Im | PB,PL,BM |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|--------------------------------|-------------------------|-----------------------------|
| NGC 3752 | Dra | H905-2 | Galaxy Sab | PB,PL |
| Jul 13 2013 18" | 7mm TV | PF,PS,OVAL,MEXT,NND,R=F | | |
| NGC 3756 | UMa | H784-2 | Galaxy SAB(rs)bc | PF,L,LE |
| Mar 01 2011 12" | 11mmT6 | PF,PS,OVAL,MEXT,UB,NND,R=F | | |
| NGC 3760 | Leo | | Non-Existent | B,PS,MBMN=*13,*11 NR |
| Mar 30 2014 18" | 7mm TV | B,PS,EON,BNUC,R=G,PA=45 | | |
| NGC 3773 | Leo | H81-3 | Galaxy S0 | CF,CS,R,PSBM |
| Apr 18 2012 18" | 8.8 ES | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 3776 | Vir | | Galaxy Sb | EF,VS |
| May 10 2005 31" | 11mmT6 | VF,S,OVAL,NND,R=F | | |
| NGC 3790 | Leo | H109-3 | Galaxy S0/a | CF,VS,PME,SBM,1STOF3 |
| May 14 2010 31" | 17mmT4 | PB,CS,OVAL,UB,FNUC,R=G | | |
| NGC 3801 | Leo | H161-2 | Galaxy S0? | PF,PL,R,BM,R,2ND OF3 |
| May 14 2010 31" | 17mmT4 | PB,PL,OVAL,MEXT,BNUC,HSB,R=G | | |
| May 13 2007 8" | 11mmT6 | PF,PS,OVAL,NND,R=F | | |
| NGC 3802 | Leo | H30-3 | Galaxy S | VF,PS,2VB*P,3RD OF3 |
| May 14 2010 31" | 17mmT4 | PB,PS,EON,UB,DNUC,R=G | | |
| NGC 3803 | Leo | | Galaxy | VF,S,R |
| May 14 2010 31" | 17mmT4 | EF,VS,R,NND,AV,R=P | | |
| NGC 3807 | Leo | | Galaxy | VF, S, R (VF*?) |
| May 14 2010 31" | 17mmT4 | DIFF,CF,CS,R,UB,NND,R=F | | |
| NGC 3810 | Leo | H21-1 | Galaxy SA(rs)c | B,L,VLE |
| Apr 18 2012 18" | 8.8 ES | PF,S,OVAL,FNUC,R=G | | |
| Apr 26 2006 8" | 11mmT6 | PF,L,OVAL,UB,NND,R=F | | |
| Apr 14 2004 8" | 25mmPL | CLEAR NIGHT - MEGASTAR CONTROL | | |
| NGC 3812 | Leo | H320-3 | Galaxy E | CF,VS,R,1STOF3,*6SF |
| Apr 28 2006 31" | 19mmW | CB,PL,R,FNUC,R=G | | |
| NGC 3813 | UMa | H94-1 | Galaxy SA(rs)b: | CB,PL,PME90,BM |
| Mar 17 2007 8" | 11mmT6 | CF,CS,OVAL,NND,R=F | | |
| NGC 3814 | Leo | | Galaxy S0 | VS,NEBS*,P 3815 |
| Apr 28 2006 31" | 19mmW | VF,PS,EL,OVAL,NND,R=F | | |
| NGC 3815 | Leo | H339-3 | Galaxy Sab | CF,S,3RD OF 3 |
| Apr 28 2006 31" | 19mmW | CB,PL,OVAL,UB,NND,R=F | | |

Observations Listing by Catalog Number

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|-----------------|------------|----------------------------|---------------------------|-------------------------|
| NGC 3816 | Leo | | Galaxy S0 | F,S,BM |
| Apr 28 2006 31" | 19mmW | CB,CL,EL,OVAL,UB,NND,R=F | | |
| NGC 3817 | Leo | | Galaxy SB0/a | F,1ST OF 4 |
| May 18 2007 31" | 17mmT4 | VF,CS,OVAL,NND,AV,R=F | | |
| NGC 3818 | Vir | H284-3 | Galaxy E5 | F,PS,R,PSBM |
| Apr 02 2008 8" | 11mmT6 | B,S,OVAL,FNUC,R=F | | |
| Apr 04 2005 8" | 11mmT6 | MF,EL,EON,NND,R=F | | |
| NGC 3819 | Leo | | Galaxy E? | VF,2ND OF 4 |
| May 18 2007 31" | 17mmT4 | PF,CS,OVAL,NND,R=F | | |
| NGC 3820 | Leo | | Galaxy S? | EF,VS,3819 S |
| May 18 2007 31" | 17mmT4 | VF,VS,R,NND,AV,R=F | | |
| NGC 3822 | Vir | H153-2 | Galaxy S0? | PF,PS,3RD OF 4 |
| May 18 2007 31" | 17mmT4 | PF,PS,OVAL,NND,R=F | | |
| NGC 3825 | Vir | H154-2 | Galaxy SBa | PF,PS,4TH OF 4 |
| May 18 2007 31" | 17mmT4 | PF,CS,OVAL,NND,R=F | | |
| NGC 3833 | Vir | H102-3 | Galaxy Sc | EF,PS |
| May 18 2007 31" | 17mmT4 | DIFF,PF,PL,OVAL,NND,R=F | | |
| NGC 3839 | Leo | | Galaxy Sdm: | VF,S,R,LBM |
| May 28 2006 31" | 19mmW | PF,PS,OVAL,NND,R=F | | |
| NGC 3848 | Vir | H35-3 | Galaxy Sc | EF,VS |
| May 18 2007 31" | 17mmT4 | PB,PS,OVAL,UB,NND,R=G | | |
| NGC 3857 | Leo | | Galaxy S0? | VF,VS,MBM |
| May 07 2007 31" | 17mmT4 | PB,PL,EL,OVAL,FNUC,MSB,R=G | | |
| NGC 3859 | Leo | | Galaxy S? | EF,VS,R,LBM,(R) |
| May 07 2007 31" | 17mmT4 | PB,PL,EON,UB,NND,R=G | | |
| NGC 3860 | Leo | H386-3 | Galaxy S? | VF,VS,RESOLVABLE |
| May 07 2007 31" | 17mmT4 | PB,PL,OVAL,UB,FNUC,R=G | | |
| NGC 3861 | Leo | | Galaxy (R')SAB(r)b | F,S,R,BM |
| May 07 2007 31" | 17mmT4 | PB,PL,OVAL,FNUC,MSB,R=G | | |
| NGC 3862 | Leo | H385-3 | Galaxy E | VF,VS,R,*17N |
| May 13 2007 8" | 11mmT6 | CF,CS,EON,NND,R=F | | |
| May 13 2007 8" | 11mmT6 | VF,VS,R,NND,AV,R=F | | |
| May 07 2007 31" | 17mmT4 | PB,PL,R,FNUC,HISB,R=G | | |

Observations Listing by Catalog Number

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|---|--------------------------------|--|------------------------|-----------------------------|
| NGC 3864 May 07 2007 31" | Leo 17mmT4 | PF,PS,OVAL,NND,AV,R=F | Galaxy S? | EF,VS,R |
| NGC 3867 May 07 2007 31" | Leo 17mmT4 | PB,PL,OVAL,UB,NND,R=G | Galaxy S? | F,S,IRRR,MBM,S OF 2 |
| NGC 3868 May 07 2007 31" | Leo 17mmT4 | PB,PS,OVAL,UB,NND,R=F | Galaxy S? | VF,VS,R,MBM,N OF 2 |
| NGC 3869 May 07 2007 31" | Leo 17mmT4 | PB,PL,EON,FNUC,HISB,R=G | Galaxy Sa | F,S,IR,PSBM |
| NGC 3872 Apr 18 2012 18" May 07 2007 31" | Leo 8.8 ES 17mmT4 | H104-2 PF,PS,OVAL,FNUC,R=F CB,PL,R,BNUC,HISB,R=G | Galaxy E5 | B,S,R,SMBM* |
| NGC 3873 May 07 2007 31" | Leo 17mmT4 | PB,PL,R,FNUC,MSB,R=G | Galaxy E | VF,PS,LE,3875 SF |
| NGC 3875 May 07 2007 31" | Leo 17mmT4 | H387-3 PB,PL,EON,UB,FNUC,R=G | Galaxy S0/a | VF,VS,RESOLVABLE |
| NGC 3877 Apr 14 2010 16" Mar 17 2007 8" | UMa 11mmT6 11mmT6 | H201-1 PB,PL,EON,FNUC,R=G PF,PL,EON,NND,R=F | Galaxy SA(s)c: | B,L,ME37 |
| NGC 3879 Feb 23 2006 31" | Dra 17mmT4 | H881-2 FB,FL,EON,FNUC,MSB,R=G | Galaxy Sdm: | F,PL,ME105 |
| NGC 3883 May 07 2007 31" | Leo 17mmT4 | H372-3 DIFF,PF,CL,OVAL,NND,R=F | Galaxy SA(rs)b | VF,CL |
| NGC 3884 May 07 2007 31" | Leo 17mmT4 | H388-3 PB,PL,OVAL,UB,FNUC,MSB,R=G | Galaxy SA(r)0/a | CF,S,IR,GBM,R,*7SP6' |
| NGC 3886 May 07 2007 31" | Leo 17mmT4 | PB,PS,EON,UB,FNUC,R=G | Galaxy S0-: | F |
| NGC 3887 Mar 01 2011 12" | Crt 11mmT6 | H120-1 DIFF,PF,PS,OVAL,UB,NND,R=F | Galaxy SB(r)bc | PB,L,IR,VGPMBM |
| NGC 3888 Mar 17 2007 8" | UMa 11mmT6 | H785-2 PF,PS,UB,NND,R=F | Galaxy SAB(rs)c | PB,S,LE,PGBM |
| NGC 3890 Jul 13 2013 18" Feb 23 2006 31" | Dra 7mm TV 17mmT4 | H940-3 VF,VS,OVAL,UB,NND,AV1,R=F FB,FL,R,BNUC,FHISB,R=G | Galaxy S? | VF,S,R,BM |

Observations Listing by Catalog Number

| | | | | |
|-------------------------------------|----------------------|---|----------------------------|-----------------------------|
| NGC 3892 Mar 01 2011 12" | Crt 11mmT6 | H553-2 PF,PS,OVAL,MEXT,UB,NND,R=F | Galaxy SB(rs)0+ | PB,PL,R,GBM,R |
| NGC 3893 Mar 17 2007 8" | UMa 11mmT6 | H738-2 VF,PS,OVAL,NND,AV,R=F | Galaxy SAB(rs)c: | B,PL,R,MBM |
| NGC 3898 Mar 17 2007 8" | UMa 11mmT6 | H228-1 PB,PS,OVALFNUC,R=G | Galaxy SA(s)ab | B,PL,LE,SVMBM |
| NGC 3900 Mar 29 2006 8" | Leo 11mmT6 | H82-1 F,L,OVAL,NND,R=F | Galaxy SA(r)0+ | B,PL,VLE0,BMN |
| NGC 3901 May 25 2014 18" | Cam 8mm Ds | H970-3 VF,PS,OVAL,VEXT,UB,NND,R=F | Galaxy Scd: | PF,PL,RESOLVABLE |
| NGC 3902 May 07 2007 31" | Leo 17mmT4 | H321-3 DIFF,PF,PL,OVAL,NND,R=F | Galaxy SAB(s)bc: | F,PS,LE,VGLBM |
| NGC 3910 May 07 2007 31" | Leo 17mmT4 | H321-3 PB,PS,OVAL,DNUC,MSB,R=G | Galaxy S0-: | S,R,MBM,*10,11N50" |
| NGC 3911 May 07 2007 31" | Leo 17mmT4 | H341-3 DIFF,PF,PL,OVAL,NND,AV,R=F | Galaxy SB? | VF,S,P OF 2 |
| NGC 3912 Mar 29 2006 8" | Leo 11mmT6 | H342-2 VF,VS,OVAL,NND,AV,R=F | Galaxy SAB(s)b? pec | F,PL,R,PGBM |
| NGC 3919 May 07 2007 31" | Leo 17mmT4 | H342-2 PB,PS,R,BNUC,HISB,R=G | Galaxy E | F,S,R |
| NGC 3920 May 07 2007 31" | Leo 17mmT4 | H342-2 PB,PL,R,UB,NND,R=G | Galaxy S? | NEB,F OF 2 |
| NGC 3923 Mar 01 2011 12" | Hya 11mmT6 | H259-1 PF,PS,OVAL,UB,NND,R=F | Galaxy E4-5 | B,PL,LE,GMBM,R,VS*SP |
| NGC 3925 May 07 2007 31" | Leo 17mmT4 | H342-2 PF,PS,OVAL,UB,NND,R=F | Galaxy SAB0/a | VF,VS |
| NGC 3926A May 07 2007 31" | Leo 17mmT4 | H379-3 PB,S,R,UB,NND,R=F | Galaxy E/S0 | EF,ES,VLE,ER,ST NR |
| NGC 3926B May 07 2007 31" | Leo 17mmT4 | H379-3 PB,PS,OVAL,UB,NND,R=G | Galaxy E/S0 | EF,ES,VLE,ER,ST NR |
| NGC 3929 May 07 2007 31" | Leo 17mmT4 | H379-3 PB,PS,OVAL,UB,NND,R=F | Galaxy E? | CL,S,ST F,VC |

Observations Listing by Catalog Number

| | | | | |
|---|--------------------------------|----------------------------|---------------------------|----------------------------|
| NGC 3933 May 07 2007 31" | Leo 17mmT4 | | Galaxy S? | PF,LE |
| | | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 3934 May 07 2007 31" | Leo 17mmT4 | | Galaxy S? | EF,R |
| | | PF,PS,R,UB,NND,R=F | | |
| NGC 3937 May 07 2007 31" | Leo 17mmT4 | H389-3 | Galaxy S0-: | EF, VS, 3937 F 12S |
| | | PB,PL,OVAL,UB,FNUC,MSB,R=G | | |
| NGC 3938 Mar 17 2007 8" | UMa 11mmT6 | H203-1 | Galaxy SA(s)c | B,VL,R,BMPBN,ER |
| | | DIFF,PF,PL,OVAL,NND,R=F | | |
| NGC 3940 May 07 2007 31" | Leo 17mmT4 | H380-3 | Galaxy E | VF,CS,R |
| | | PB,PL,R,FNUC,HISB,R=G | | |
| NGC 3941 Mar 17 2007 8" | UMa 11mmT6 | H173-1 | Galaxy SB(s)0^ | VB,PL,R,SMBM*9 |
| | | PB,CS,OVA,,BNUC,R=G | | |
| NGC 3943 May 07 2007 31" | Leo 17mmT4 | | Galaxy S? | PF,PS,E,*8P24S |
| | | PB,PL,R,UB,NND,R=G | | |
| NGC 3945 Mar 17 2007 8" | UMa 11mmT6 | H251-1 | Galaxy (R)SB(rs)0+ | B,PL,R,GMBM,R,*12SP |
| | | PF,S,OVAL,NND,R=F | | |
| NGC 3949 Mar 17 2007 8" | UMa 11mmT6 | H202-1 | Galaxy SA(s)bc: | CB,PL,PME,VGBM |
| | | PF,S,OVAL,NND,R=F | | |
| NGC 3952 Mar 08 2010 12" | Vir 11mmT6 | H612-3 | Galaxy IBm: sp | CF,CS,LE90,BM,R |
| | | PF,PS,EON,UB,NND,R=F | | |
| NGC 3953 Mar 18 2007 8" | UMa 11mmT6 | H45-5 | Galaxy SB(r)bc | CB,L,E0,VSMBLRN |
| | | PB,PL,EL,OVAL,FNUC,MSB,R=G | | |
| NGC 3961 Jul 13 2013 18" Feb 23 2006 31" | Dra 7mm TV 17mmT4 | H905-3 | Galaxy (R)SB(r)a: | EF,VS |
| | | VF,VS,OVAL,NND,AV2,R=F | | |
| | | FB,FL,OVALM,FNUC,MSB,R=G | | |
| NGC 3962 Apr 26 2006 8" | Crt 19mmW | H67-1 | Galaxy E1 | CB,PL,IR,GMBM,TRI2* |
| | | PF,PS,OVAL,NND,R=F | | |
| NGC 3976 Apr 04 2005 8" | Vir 11mmT6 | H132-2 | Galaxy SAB(s)b | B,PL,CE30,VSMBMN |
| | | MF,EL,EON,NND,R=F | | |
| NGC 3982 Mar 18 2007 8" | UMa 11mmT6 | H62-4 | Galaxy SAB(r)b: | B,PL,R,G,SBM,DISC |
| | | PF,L,OVAL,NND,=F | | |
| NGC 3987 May 07 2007 31" | Leo 17mmT4 | | Galaxy Sb | F,ME |
| | | PB,CL,EON,UB,NND,R=G | | |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|------------------------------------|------------------------|-----------------------------|
| NGC 3992 | UMa | M109 H61-4 | Galaxy SB(rs)bc | CB,VL,PME,SBMBRN |
| Apr 20 2018 12" | 11mmT6 | | | |
| Jul 15 2015 12" | 17mmT4 | | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Mar 19 2006 8" | 19mmW | F,FS,OVAL,NND,R=F | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Mar 09 2004 8" | 25mmPL | COMPTER = ARGO NAVIS | | |
| NGC 3993 | Leo | | Galaxy Sb: sp | VF,PS,E,3* NR |
| May 07 2007 31" | 17mmT4 | PB,PL,EON,UB,FNUC,HISB,R=G | | |
| NGC 3997 | Leo | | Galaxy SBb pec | PF,VS,E25,BET 2ST |
| May 07 2007 31" | 17mmT4 | PB,CL,OVAL,UB,FNUC,HISB,R=G | | |
| NGC 3998 | UMa | H229-1 | Galaxy SA(r)0^? | CB,PS,R,VG,SMBM |
| Mar 18 2007 8" | 11mmT6 | PB,PL,OVAL,FNUC,MSB,R=G | | |
| NGC 3999 | Leo | | Galaxy S0 | VF,S |
| May 07 2007 31" | 17mmT4 | DIFF,PF,CS,OVAL,NND,R=F | | |
| NGC 4000 | Leo | | Galaxy S? | VF,VS,LE,*8F2',05 SF |
| May 07 2007 31" | 17mmT4 | PF,PL,EON,UB,NND,R=F | | |
| NGC 4002 | Leo | H344-3 | Galaxy S0? | VF,VS,R,N OF 2 |
| May 14 2010 31" | 17mmT4 | PB,CS,OVAL,MEXT,BNUC,HSB,R=G | | |
| NGC 4004 | Leo | H354-3 | Galaxy Pec | F,VS,R,*12 NEAR |
| Apr 28 2006 31" | 19mmW | CF,CS,EON,UB,NND,R=F | | |
| NGC 4005 | Leo | | Galaxy S? | PF,VS,MBM,*7NP2' |
| May 07 2007 31" | 17mmT4 | PB,PL,OVAL,FNUC,MSB,R=G | | |
| NGC 4007 | Leo | H325-3 | Non-Existent | |
| May 14 2010 31" | 17mmT4 | PF,PS,OVAL,MEXT,BNUC,HSB,R=G | | |
| NGC 4008 | Leo | H368-2 | Galaxy E5 | PB,PS,E,PSBM,*INV N |
| May 13 2007 8" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 4011 | Leo | | Galaxy S0 | VF,VS,*12NP |
| May 07 2007 31" | 17mmT4 | DIFF,CF,CS,OVAL,NND,V,R=F | | |
| NGC 4013 | UMa | H733-2 | Galaxy Sb sp | B,CL,ME62,VSVMBM*10 |
| Mar 01 2011 12" | 11mmT6 | PF,PS,EON,BNUC,R=G | | |
| NGC 4024 | Crv | H295-2 | Galaxy SAB0- | F,VS,IF,BM |
| Mar 18 2007 8" | 11mmT6 | PF,PS,R,NND,AV,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|---|-------------------------------|-----------------------------|
| NGC 4026 | UMa | H223-1 | Galaxy S0 sp | VB,CL,ME176,VSVMBMBN |
| Mar 18 2007 8" | 11mmT6 | PB,L,OVAL,FNUC,MSB,R=G | | |
| NGC 4027 | Crv | H296-2 | Galaxy SB(s)dm | GCL,PF,PL,R,RR,ST16 |
| Apr 07 2008 31" | 17mmT4 | PB,PS,R,UB,FNUC,MSB,R=G | | |
| Mar 29 2006 8" | 11mmT6 | PF,PS,R,NND,AV,R=F | | |
| NGC 4027A | Crv | | Galaxy IB(s)m: | |
| Apr 07 2008 31" | 17mmT4 | VF,VS,R,NND,AV,R=F | | |
| NGC 4030 | Vir | H121-1 | Galaxy SA(s)bc | CB,L,VLE,PSMBM,BSTNR |
| Apr 04 2005 8" | 11mmT6 | MB,OVAL,FNUC,MSB,R=G | | |
| NGC 4032 | Com | H404-2 | Galaxy Im: | PF,PL,R,GBM,*12NF |
| Jun 09 2007 8" | 11mmT6 | VF,PS,R,NND,AV,R=F | | |
| NGC 4033 | Crv | H508-2 | Galaxy E6 | PB,S,LE,BM |
| Mar 18 2007 8" | 11mmT6 | VF,PS,OVAL,NND,AV,R=F | | |
| NGC 4034 | Dra | H903-3 | Galaxy Scd: | EF,S,IF,GVLBM |
| Jul 13 2013 18" | 7mm TV | VF,PS,OVAL,MEXT,UB,NND,R=F | | |
| NGC 4035 | Crv | H279-3 | Galaxy (R')SAB(rs)bc p | EF,PL,*9M NR |
| Apr 07 2008 31" | 17mmT4 | PF,PS,OVAL,NND,LSB,R=F | | |
| NGC 4036 | UMa | H253-1 | Galaxy S0- | VB,VL,E |
| Mar 18 2007 8" | 11mmT6 | PB,PL,EON,FNUC,MSB,R=G | | |
| NGC 4037 | Com | H77-3 | Galaxy SB(rs)b: | EF,PL,R,R |
| Mar 08 2010 12" | 11mmT6 | VF,PS,OVAL,NND,R=F | | |
| NGC 4038 | Crv | H28.1-4 | Galaxy SB(s)m pec | PB,CL,R,VGBM |
| Apr 20 2018 12" | 11mmT6 | | | |
| Apr 14 2016 12" | 8mm Ds | PF,PS,UB,NND, NOT MUCH TO SEE IN MOON AND LOW HORIZON | | |
| Apr 19 2007 31" | 17mmT4 | PB,CL,OVAL,UB,NND,R=G | | |
| Apr 13 2005 8" | 7.5mmW | VF,VS,NND,AV,R=F | | |
| NGC 4039 | Crv | H28.2-4 | Galaxy SA(s)m pec | PF,PL |
| Apr 20 2018 12" | 11mmT6 | | | |
| Apr 14 2016 12" | 8mm Ds | PF,PS,UB,NND, NOT MUCH TO SEE IN MOON AND LOW HORIZON | | |
| Apr 19 2007 31" | 17mmT4 | PB,CL,OVAL,UB,NND,R=G | | |
| Apr 13 2005 8" | 7.5mmW | VF,VS,NND,AV,R=F | | |
| NGC 4041 | UMa | H252-1 | Galaxy SA(rs)bc: | B,CL,R,G,PSVMBMRN |
| Mar 18 2007 8" | 11mmT6 | PF,PL,R,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|---|------------------------------|-----------------------------|
| NGC 4045 | Vir | H276-2 | Galaxy SBa | PF,L,R,SBM,*SF |
| May 30 2016 12" | 8mm Ds | VF,VS,OVAL,MEXT,UB,NND,AV2R=F | | |
| Mar 08 2010 12" | 11mmT6 | PF,PS,OVAL,MEXT,UB,NND,R=F | | |
| Apr 04 2005 8" | 11mmT6 | VF,OVAL,NND,AV,R=F | | |
| NGC 4047 | UMa | H741-2 | Galaxy (R)SA(rs)b: | PB,PS,R |
| Mar 01 2011 12" | 11mmT6 | PF,CS,R,UB,NND,R=F | | |
| NGC 4051 | UMa | H56-4 | Galaxy SAB(rs)bc | B,VL,E,VGVSMBM*11 |
| Mar 18 2007 8" | 11mmT6 | PF,L,R,NND,AV,R=F | | |
| NGC 4062 | UMa | H174-1 | Galaxy SA(s)c | PB,VL,ME97,VGBM |
| Mar 28 2011 12" | 7mm TV | PF,PS,OVAL,PEXT,R=G,BRIGHTER TOWARDS THE MIDDLE | | |
| NGC 4064 | Com | | Galaxy SB(s)a: pec | B,E,GBM |
| Mar 08 2010 12" | 11mmT6 | PF,CS,OVAL,MEXT,RNUC,R=F | | |
| NGC 4067 | Vir | H37-3 | Galaxy SA(s)b: | F,PS,R,GBM |
| Mar 08 2010 12" | 11mmT6 | VF,CS,OVAL,UB,NND,AV,R=F | | |
| NGC 4073 | Vir | H277-2 | Galaxy E+ | F,PS,R,PGBM,NP OF 2 |
| Apr 04 2005 8" | 11mmT6 | VF,OVAL,NND,AV,R=F | | |
| NGC 4079 | Vir | | Galaxy (R')SAB(rs)bc: | F,L,R,*10N1' |
| Mar 08 2010 12" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 4085 | UMa | H224-1 | Galaxy SAB(s)c:? | B,PL,ME78,VSBM |
| Mar 18 2007 8" | 11mmT6 | VF,PS,EL,EON,NND,AV,R=F | | |
| NGC 4088 | UMa | H206-1 | Galaxy SAB(rs)bc | B,CL,E55,LBM |
| Mar 18 2007 8" | 11mmT6 | PF,L,EON,UB,NND,R=F | | |
| NGC 4094 | Crv | | Galaxy SAB(rs)cd: | EF,L,PME,VGBM,2*11NR |
| Mar 18 2007 8" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 4096 | UMa | H207-1 | Galaxy SAB(rs)c | PB,VL,ME32 |
| Mar 01 2011 12" | 11mmT6 | PF,PS,EON,FNUC,R=F | | |
| NGC 4100 | UMa | H717-3 | Galaxy (R')SA(rs)bc | PB,VL,VME161,VGVLBM |
| Mar 01 2011 12" | 17mmAT | PF,PS,EON,UB,NND,R=F | | |
| NGC 4102 | UMa | H225-1 | Galaxy SAB(s)b? | B,PS,R,BMBN,*12SPVNR |
| Mar 18 2007 8" | 11mmT6 | PF,PS,EL,OVAL,UB,NND,R=F | | |
| NGC 4104 | Com | H370-2 | Galaxy S0 | PB,PS,LE,BM |
| Mar 08 2010 12" | 11mmT6 | CF,CS,OVAL,MEXT,UB,NND,R=F | | |
| NGC 4105 | Hya | H865-2 | Galaxy E3 | PF,PS,R,PSBM,R,P OF2 |
| Mar 28 2011 12" | 7mm TV | PF,PS,OVAL,MEXT,FNUC,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|----------------------------------|-----------------------------|-----------------------------|
| NGC 4106 | Hya | H866-2 | Galaxy SB(s)0+ | PF,PS,R,PGBM, F OF 2 |
| Mar 28 2011 12" | 7mm TV | PF,CS,OVAL,UB,NND,R=F | | |
| NGC 4108 | Dra | | Galaxy (R')SAc: | B,S,R,GBM |
| Aug 31 2010 12" | 7mm TV | VF,CS,OVAL,NND,AV,R=F. PA=90?? | | |
| NGC 4111 | CVn | H195-1 | Galaxy SA(r)0+: sp | VB,PS,ME151 |
| Apr 13 2005 8" | 11mmT6 | VB,ML,EON,FNUC,MSB,R=G | | |
| NGC 4114 | Crv | H533-3 | Galaxy (R')SAB(rs)a: | CF,S,IR,GBM |
| Apr 07 2008 31" | 17mmT4 | F,PS,OVAL,UB,NND,R=F | | |
| Mar 18 2007 8" | 11mmT6 | VF,VS,R,NND,AV,R=F | | |
| NGC 4116 | Vir | | Galaxy SB(rs)dm | VF,E,SPOF2,HOOKSHAPE |
| Apr 29 2011 12" | 7mm TV | DIFF,CF,PS,OVAL,AV,R=F,PA=120 | | |
| Apr 02 2008 8" | 11mmT6 | VF,PS,OVAL,NND,AV,R=F | | |
| NGC 4120 | Dra | H904-3 | Galaxy SA(rs)cd: | EF,VS,E |
| Jul 13 2013 18" | 7mm TV | VF,PS,EON,UB,NND,R=F | | |
| NGC 4123 | Vir | H4-5 | Galaxy SB(r)c | CF,VL,E90,BMN |
| Apr 02 2008 8" | 11mmT6 | VF,L,OVAL,NND,AV,R=F | | |
| May 16 2004 10" | 28mm | CLEAR - MEGASTAR CONTROL | | |
| NGC 4124 | Vir | H33-1 | Galaxy SA(r)0+ | PB,PL,ME118,BM,R |
| Apr 09 2008 8" | 11mmT6 | PF,PS,R,NND,LSB,R=F | | |
| NGC 4125 | Dra | | Galaxy E6 pec | PB,PL,CE,MBM |
| Sep 02 2016 12" | 8mm Et | PF,PS,OVAL,FNUC,R=G. | | |
| Sep 07 2005 8" | 11mmT6 | MB,ML,OVAL,FNUC,MSB,R=G | | |
| Sep 01 2005 8" | 7.5mmW | MB,MS,OVAL,NND,MSB,R=F | | |
| NGC 4127 | Cam | H279-1 | Galaxy SAc? | F,PL,VLE,GLBM |
| May 25 2014 18" | 8mm Ds | VF,PS,OVAL,PEXT,UB,NND,R=F | | |
| NGC 4128 | Dra | H263-1 | Galaxy SA0: sp | CB,LE,BM |
| Aug 31 2010 12" | 7mm TV | PF,PS,EON,FNUC,MSB,R=G. PA=10 | | |
| Aug 29 2010 12" | 7mm TV | PF,PS,OVAL,PEXT,FNUC,R=F. PA=10 | | |
| NGC 4133 | Dra | H278-1 | Galaxy SABb: | PB,CL,R,GMBM |
| Aug 31 2010 12" | 7mm TV | CF,PS,OVAL,EXT,UB,NND,R=F. PA=70 | | |
| Aug 12 2010 12" | 7mm TV | VF,VS,OVAL,MEXT,NND,AV,R=P | | |
| NGC 4136 | Com | H321-2 | Galaxy SAB(r)c | F,VL,VGMBM |
| Apr 16 2009 16" | 17mmT4 | PF,PS,R,UB,NND,R=G | | |
| Jun 09 2007 8" | 11mmT6 | PF,PS,R,NND,AV,R=F | | |
| NGC 4138 | CVn | H196-1 | Galaxy SA(r)0+ | B,PL,E,VGBM,*NP |
| Mar 26 2009 16" | 17mmT4 | PB,PS,OVAL,FNUC,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|---|--|--|-----------------------------------|-----------------------------|
| NGC 4143 Mar 29 2006 8" | CVn 19mmW | H54-4 DIFF,F,L,OVAL,NND,R=F | Galaxy SAB(s)0[^] | CB,R,VG,VSBMN |
| NGC 4144 Mar 01 2011 12" | UMa 11mmT6 | H747-2 PF,PS,EON,FNUC,R=F | Galaxy SAB(s)cd? sp | PF,CL,VME109,VGBM |
| NGC 4147 Apr 20 2018 12" May 30 2016 12" Mar 29 2006 8" Apr 13 2005 8" | Com 11mmT6 8mm Et 11mmT6 7.5mmW | H19-1 PF,PS,R=F. UNRESOLVED STARS F,S,R,NND,R=F CLASS IX R,MSB,R=G | Globular | GCL,VB,PL,R,GBM,RRR |
| NGC 4150 Mar 29 2006 8" | Com 11mmT6 | H73-1 B,L,R,FNUC,R=F | Galaxy SA(r)0[^]? | B,S,R,PGMBM |
| NGC 4151 Mar 29 2006 8" | CVn 11mmT6 | H165-1 F,S,OVAL,NND,R=F | Galaxy (R')SAB(rs)ab: | VB,S,R,VSMBMBN,P OF2 |
| NGC 4152 Jun 09 2007 8" | Com 11mmT6 | H83-2 PF,PS,OVAL,NND,AV,R=F | Galaxy SAB(rs)c | PB,PL,R,PGMBM,R |
| NGC 4156 Mar 29 2006 8" | CVn 11mmT6 | H642-2 F,PS,R,NND,R=F | Galaxy SB(rs)b | PF,S,E,VGBM,F OF 2 |
| NGC 4157 Mar 16 2012 18" Aug 06 2010 12" | UMa 8.8 ES 7mm TV | H208-1 PFB,PS,EON,FNUC,R=F, A.L. FLAT GALAXY PF,PS,EON,UB,NND,R=F | Galaxy SAB(s)b? sp | PF,CL,VME60,(DOUBLE) |
| NGC 4158 Mar 08 2010 12" | Com 11mmT6 | H405-2 CF,CS,R,UB,NND,R=F | Galaxy SA(r)b: | F,PS,LE,BM,PB*SF |
| NGC 4159 Apr 17 2015 18" | Dra 8mm Ds | H941-3 VF,PS,OVAL,UB,NND,R=F | Galaxy S? | EF,PS,R,TRI2* |
| NGC 4162 Mar 08 2010 12" | Com 11mmT6 | H353-2 CF,PS,OB,NND,R=F | Galaxy (R)SA(rs)bc | B,L,IE,BM |
| NGC 4168 Apr 04 2005 8" | Vir 11mmT6 | H105-2 MB,OVAL,PATCH,NND,R=G | Galaxy E2 | PB,PL,IF,PSBM,R,*INV |
| NGC 4169 Apr 16 2009 16" | Com 17mmT4 | H358-3 PF,PS,OVAL,UB,NND,R=F | Galaxy S0 | F,S,1ST OF 4 |
| NGC 4173 Mar 16 2012 18" | Com 8.8 ES | H372-2 PB,CS,EON,BNUC,R=G, A.L. FLAT GALLAXY | Non-Existent | |
| NGC 4177 Apr 07 2008 31" | Crv 17mmT4 | H534-3 DIFF,F,S,OVAL,NND,LSB,R=F | Galaxy SA(rs)c pec: | VF,PL,R,VGBM |

Observations Listing by Catalog Number

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|---|--------------------------------|--|--|---------------------------|
| NGC 4178 Apr 04 2005 8" | Vir 11mmT6 | VF,EL,OVAL,AV,R=F | Galaxy SB(rs)dm | VF,VL,E45,*7F |
| NGC 4179 Apr 04 2005 8" | Vir 11mmT6 | H9-1 MB,EON,OVAL,FNUC,MSB,R=G | Galaxy S0 sp | PB,PS,PME135,BMN |
| NGC 4183 Mar 16 2012 18" | CVn 8.8 ES | H697-3 PF,S,EON,UB,NND,R=F,A.L. | Galaxy SA(s)cd? sp FLAT GALAXY | VF,CL,ME170 |
| NGC 4185 Apr 16 2009 16" | Com 17mmT4 | H373-2 VF,PS,OVAL,NND,AV,R=F | Galaxy Sbc | CF,L,R,GBM |
| NGC 4188 Apr 07 2008 31" | Crv 17mmT4 | F,S,R,NND,LSB,R=F | Galaxy Sb | EF,PS |
| NGC 4189 Apr 16 2009 16" | Com 17mmT4 | H106-2 PF,PS,OVAL,UB,NND,R=F | Galaxy SAB(rs)cd? | F,L,LE,VGLBM,R |
| NGC 4192 Mar 16 2012 18" Mar 01 2011 12" Mar 08 2010 12" Mar 20 2009 16" May 06 2007 1.9" Mar 26 2006 8" Mar 19 2004 8" Mar 13 2004 8" | Com 17mmAT | M98 2012 M.M. M.M. 2011 - MANUAL SETTING CIRCLES M.M. 2010 MANUAL SETTING CIRCLES MESSIER MARATHON - 2009 VF,S,OVAL,NND,R=F F,FL,OVAL,NND,UB,R=G 2004 MESSIER MARATHON - ARGO NAVIS COMPUTER = ARGO NAVIS | Galaxy SAB(s)ab | B,VL,VME152,VSVMBM |
| NGC 4197 May 30 2014 18" | Vir 8mm Ds | H134-2 PF,PS,EON,UB,NND,R=F,PA=30 | Galaxy Sd | PF,PME,VGBM |
| NGC 4203 Apr 06 2010 12" May 17 2005 31" | Com 11mmT6 11mmT6 | H175-1 PB,PS, R,FNUC,R=G MB,ML,R,FNUC,MHS,R=G | Galaxy SAB0- | VB,S,R,PSMBM |
| NGC 4205 Aug 15 2015 12" | Dra 8mm Ds | PF,PS,OVAL,UB,NND,R=F | Galaxy S? | PB,PS,R,*12F,LN |
| NGC 4206 Apr 16 2009 16" Apr 04 2005 8" | Vir 17mmT4 11mmT6 | H165-2 VF,PS,EON,NND,VLOWSB,R=F VF,EON,NND,AV,R=F | Galaxy SA(s)bc: | F,VME |
| NGC 4207 Apr 09 2010 12" | Vir 11mmT6 | PF,PS,OVAL,UB,NND,R=F | Galaxy S? | PF,PS,LE,*14NP |
| NGC 4210 Aug 31 2010 12" | Dra 7mm TV | H850-3 VF,PS,R,NND,R=F | Galaxy SB(r)b | PF,PS,R,VGBM |

Observations Listing by Catalog Number

| | | | | |
|---|--|---|---------------------------|-----------------------------|
| NGC 4212 Apr 16 2009 16" | Com 17mmT4 | H108-2 PF,PS,OVAL,UB,NND,LSB,R=F | Galaxy SAc: | B,L,E107,G,SBM,R |
| NGC 4214 Mar 29 2006 8" | CVn 11mmT6 | H95-1 F,PS,R,NND,R=F | Galaxy IBm | CB,CL,IE,BIN |
| NGC 4215 Mar 08 2010 12" | Vir 11mmT6 | H135-2 CF,CS,EON,UB,NND,R=F | Galaxy SA(r)0+: sp | B,PS,E,SBM*11 |
| NGC 4216 Apr 16 2009 16" Apr 04 2005 8" May 16 2004 10" | Vir 17mmT4 11mmT6 28mm | H35-1 PB,PL,EON,BNUC,HSB,R=G VB,EON,FNUC,MSB,R=G CLEAR - MEGASTAR CONTROL | Galaxy SAB(s)b: | VB,VL,VME17,SBMN |
| NGC 4217 Mar 26 2009 16" | CVn 17mmT4 | H748-2 VF,VS,OCAL,NND,R=F | Galaxy Sb sp | PF,L,ME45,**N,P OF 2 |
| NGC 4220 Mar 26 2009 16" | CVn 17mmT4 | H209-1 PF,PS,EL,OVAL,FNUC,USB,R=F | Galaxy SA(r)0+ | CB,PL,PME134,PSBM |
| NGC 4221 Aug 31 2010 12" | Dra 7mm TV | Galaxy (R)SB(r)0+ PF,PS,OVAL,EXT,FNUC,R=F. | | PB,S,R,PSBM |
| NGC 4222 Mar 16 2012 18" | Com 8.8 ES | H109-2 PF,CS,EON,UB,NND,R=F, A.L. FLAT GALAXY | Galaxy Sd: sp | VF,PS,R |
| NGC 4224 Apr 09 2008 8" | Vir 11mmT6 | H136-2 PF,PS,EON,NND,LSB,R=F | Galaxy SA(s)a: sp | PB,PS,LE,GBM,R |
| NGC 4225 Apr 07 2008 31" | Crv 17mmT4 | Galaxy S0/a F,PS,R,UB,NND,R=G | | F,ES,R,*60"S |
| NGC 4233 Apr 09 2008 8" | Vir 11mmT6 | H496-2 PF,CS,OVAL,FNUC,LSB,R=F | Galaxy S0^ | PF,R,VS BMSN |
| NGC 4235 Apr 29 2011 12" Apr 09 2008 8" | Vir 5mm TV 11mmT6 | H17-2 PF,PS,EON,FNUC,R=G,PA=45 PF,PS,EON,UB,FNUC,R=G | Galaxy SA(s)a sp | PB,PL,PME,BM,P OF 2 |
| NGC 4236 Sep 01 2005 8" | Dra 7.5mmW | H51-5 MF,ML,NND,LSB,R=F | Galaxy SB(s)dm | VF,EL,ME160,VGBM |
| NGC 4237 Apr 16 2009 16" | Com 17mmT4 | H11-2 PF,PS,EL,OVAL,UB,NND,R=F | Galaxy SAB(rs)bc | PB,PL,LE,VGBM,R |
| NGC 4240 Mar 08 2010 12" | Vir 11mmT6 | Galaxy E VF,CS,OVAL,UB,NND,R=F | | PB,S,*12SP1/2' |

Observations Listing by Catalog Number

| | | | | |
|---|---|---|------------------------------------|-----------------------------|
| NGC 4241 Apr 09 2008 8" | Vir 11mmT6 | H480-3 PF,PS,OVAL,LSB,AV,R=F | Galaxy SA(s)0+: | VF,L,VGBM,*7S |
| NGC 4244 May 04 2005 8" | CVn 19mmW | H41-5 MB,ML,EL,EON,FNUC,R=G | Galaxy SA(s)cd: sp | PB,VL,EE43,VGBM |
| NGC 4245 May 17 2005 31" | Com 11mmT6 | H74-1 MF,VS,R,NND,R=F | Galaxy SB(r)0/a: | CB,PL,VLE,SMBM,R |
| NGC 4248 Mar 26 2009 16" | CVn 17mmT4 | H742-2 VF,VS,OVAL,NND,AV,R=F | Galaxy I0? sp | VF,S,PME,PSBM |
| NGC 4250 Aug 12 2010 12" Aug 06 2010 12" | Dra 7mm TV 7mm TV | H264-1 CF,PS,OVAL,UB,NND,R=F PF,CS,OVAL,UB,NND,R=F | Galaxy SAB(r)0+ | PB,S,R,PGBM |
| NGC 4251 May 17 2005 31" | Com 11mmT6 | H89-1 MB,ML,EL,EON,FNUC,MSB,R=G | Galaxy SB0? sp | VB,S,E,VSVMBMN,*F90S |
| NGC 4254 Mar 16 2012 18" Mar 01 2011 12" Mar 08 2010 12" Mar 20 2009 16" May 06 2007 1.9" Mar 26 2006 8" Mar 19 2004 8" Mar 13 2004 8" | Com 17mmAT 17mmAT 11mmT6 26mm 12x50 19mmW 25mmPL 25mmPL | M99 2012 M.M. M.M. 2011 - MANUAL SETTING CIRCLES M.M. 2010 MANUAL SETTING CIRCLES MESSIER MARATHON - 2009 F,S,OVAL,NND,R=F F,S,OVAL,NND,R=F 2004 MESSIER MARATHON - ARGO NAVIS COMPUTER = ARGO NAVIS | Galaxy SA(s)c | B,L,R,GBM,R,3BRSPIRA |
| NGC 4255 May 18 2014 18" | Vir 8mm Ds | Galaxy SB(r)0^ VF,PS,OVAL,MEXT,UB,NND,AV1,R=F | | S,PMBM |
| NGC 4256 Aug 31 2010 12" Jul 16 2009 16" | Dra 7mm TV 11mmT6 | H846-2 PF,PS,EON,FNUC,MSB,R=F. PS,EON,NND,R=F | Galaxy SA(s)b: sp PA=170 | PB,L,CE38,BMBN |
| NGC 4258 Jul 08 2018 12" Mar 16 2012 18" Mar 01 2011 12" Mar 08 2010 12" Mar 20 2009 16" Mar 26 2006 8" Mar 19 2004 8" Dec 26 2003 8" | CVn 8mm Et 17mmAT 17mmAT 11mmT6 26mm 19mmW 25mmPL 25mmPL | M106 H43-5 B,S,OVAL,MEXT,BNUC,R=G 2012 M.M. M.M. 2011 - MANUAL SETTING CIRCLES M.M. 2010 MANUAL SETTING CIRCLES MESSIER MARATHON - 2009 MB,ML,OVAL,FNUC,MSB,,R=F 2004 MESSIER MARATHON - ARGO NAVIS Q/M COLD | Galaxy Sb | VB,VL,VME0,SBMBN |
| NGC 4260 Apr 14 2016 12" Apr 09 2008 8" | Vir 11mmT6 11mmT6 | H138-2 DIFF,PS,,S,R,UB,NND,R=F PF,PS,OVAL,UB,NND,R=F | Galaxy SB(s)a | PB,E,PSBM |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|---------------------------------|--------------------------|-----------------------------|
| NGC 4261 | Vir | H139-2 | Galaxy E2-3 | PB,PS,R,GBM |
| Apr 14 2016 12" | 11mmT6 | PF,PS,R,FNUC,R=F | | |
| Apr 26 2006 8" | 11mmT6 | B,L,OVAL,FNUC,MSB,R=G | | |
| May 22 2004 8" | 25mmPL | DECENT NIGHT - MEGASTAR CONTROL | | |
| NGC 4262 | Com | H110-2 | Galaxy SB(s)0-? | B,S,R,R |
| Mar 13 2004 8" | 25mmPL | COMPUTER = ARGO NAVIS | | |
| NGC 4264 | Vir | H140-2 | Galaxy SB(rs)0+ | F,PS,R,GBM |
| Apr 09 2008 8" | 11mmT6 | VF,VS,R,NND,AV,R=F | | |
| NGC 4265 | Crv | H535-3 | Galaxy Sb | VF,PS,R |
| Apr 07 2008 31" | 17mmT4 | F,PS,EL,OVAL,NND,LSB,R=F | | |
| NGC 4267 | Vir | H166-2 | Galaxy SB(s)0-? | PB,VS,R,VSMBM |
| Apr 09 2008 8" | 11mmT6 | PF,PS,OVAL,FNUC,R=G | | |
| May 22 2004 8" | 25mmPL | DECENT NIGHT - MEGASTAR CONTROL | | |
| NGC 4268 | Vir | | Galaxy SB0/a: sp | PF,S,2ND OF 6 NEB |
| Apr 04 2005 8" | 11mmT6 | VF,EL,OVAL,NND,AV,R=F | | |
| NGC 4270 | Vir | H568-2 | Galaxy S0 | PB,S,R |
| May 14 2017 12" | 11mmT6 | PF,PS,OVAL,MEXT,NND,R=F | | |
| Apr 14 2016 12" | 11mmT6 | PF,PS,OVAL,UB,NND,R=G | | |
| Apr 09 2008 8" | 11mmT6 | PF,PS,EON,FNUC,MSB,R=G | | |
| NGC 4271 | UMa | H804-2 | Galaxy S0-: | PB,PL,IF |
| Mar 28 2011 12" | 5mm TV | PF,VS,OVAL,VFNUC,R=F | | |
| NGC 4273 | Vir | H569-2 | Galaxy SB(s)c | PB,L,E,GBM |
| May 14 2017 12" | 11mmT6 | PF,PS,OVAL,FNUC,R=G | | |
| Apr 04 2005 8" | 11mmT6 | MB,OVAL,FNUC,MSB,R=G | | |
| NGC 4274 | Com | H75-1 | Galaxy (R)SB(r)ab | VB,VL,E90,MBMN |
| May 17 2005 31" | 11mmT6 | PF,PS,OVAL,NND,R=F | | |
| NGC 4278 | Com | H90-1 | Galaxy E1-2 | VB,PL,R,MBM,R,1STOF3 |
| Apr 16 2009 16" | 17mmT4 | PB,PS,R,FNUC,HSB,R=G | | |
| May 17 2005 31" | 11mmT6 | PB,PL,R,BNUC,R=G | | |
| NGC 4281 | Vir | H573-2 | Galaxy S0+: sp | B,VL,R,PGBM |
| May 14 2017 12" | 11mmT6 | PF,PS,OVAL,FNUC,R=G | | |
| Apr 14 2016 12" | 11mmT6 | PF,PS,OVAL,MEXT,FNUC,R=F | | |
| Apr 04 2005 8" | 11mmT6 | MB,EL,OVAL,NND,MSB,R=F | | |
| NGC 4285 | Vir | | Galaxy Sa | EF,PS,R |
| Apr 29 2006 31" | 19mmW | VF,S,OVAL,NND,AV,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|--|---------------------------|-----------------------------|
| NGC 4290 | UMa | H805-2 | Galaxy SB(rs)ab: | PB,L,R,GMBM |
| Mar 01 2011 12" | 11mmT6 | CF,CS,OVAL,UB,NND,R=F | | |
| NGC 4291 | Dra | H275-1 | Galaxy E | PB,VS,R,LBM,3*F |
| Apr 17 2015 18" | 8mm Ds | F,S,ROUND,UB,NND,R=F | | |
| Jul 14 2010 12" | 7.5mmW | PF,CS,OVAL,FNUC,MSB,R=F | | |
| NGC 4293 | Com | H5-5 | Galaxy (R)SB(s)0/a | F,VL,E,LBM,R |
| Apr 26 2006 8" | 11mmT6 | PB,L,EON,UB,R=F | | |
| Apr 14 2004 8" | 25mmPL | CLEAR NIGHT - MEGASTAR CONTROL | | |
| NGC 4294 | Vir | H61-2 | Galaxy SB(s)cd | F,L,ME135,BIN,P OF 2 |
| Apr 04 2005 8" | 11mmT6 | MF,EL,EON,NND,AV,R=F | | |
| NGC 4298 | Com | H111-2 | Galaxy SA(rs)c | F,L,E,VGBM,P OF 2 |
| May 14 2017 12" | 11mmT6 | PF,PS,OVAL,UB,NND,R=G. PAIRED W/NGC4302 | | |
| Apr 16 2009 16" | 17mmT4 | PF,VS,OVAL,UB,NND,R=F | | |
| NGC 4299 | Vir | H62-2 | Galaxy SAB(s)dm: | F,L,LE,VGBM,F OF 2 |
| Apr 04 2005 8" | 11mmT6 | VF,OVAL,NND,AV,R=F | | |
| NGC 4300 | Vir | H572-2 | Galaxy Sa | F,LE,VGBM |
| May 18 2014 18" | 8mm Ds | PF,PS,OVAL,FNUC,R=F | | |
| NGC 4302 | Com | H112-2 | Galaxy Sc | L,VME177,F OF 2 |
| May 14 2017 12" | 11mmT6 | PF,PS,EON,UB,NND,R=F. PAIRED W/NGC4398 | | |
| Apr 16 2009 16" | 17mmT4 | PF,PS,EON,UB,NND,R=F | | |
| NGC 4303 | Vir | M61 H139-1 | Galaxy SAB(rs)bc | VB,VL,VSBM*,BIN |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 11mmT6 | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| May 06 2007 1.9" | 12x50 | PB,PS,OVAL,NND,R=G | | |
| Mar 26 2006 8" | 19mmW | DIFF,F,L,OVAL,NND,R=F | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Mar 13 2004 8" | 25mmPL | COMPUTER = ARGO NAVIS | | |
| NGC 4305 | Vir | | Galaxy SA(r)a | VF,R |
| May 18 2014 18" | 8mm Ds | PF,PS,OVAL,UB,NND,R=F, PAIRED W/NGC-4306 | | |
| NGC 4306 | Vir | | Galaxy SB(s)0^: | VF,PL,R,4305SP |
| May 18 2014 18" | 8mm Ds | PF,PS,OVAL,UB,NND,R=F,PAIRED W/.NGC-4305 | | |
| NGC 4307 | Vir | | Galaxy Sb sp | PF,L,ME,3KNOTS |
| May 18 2014 18" | 8mm Ds | PF,PS,EON,UB,NND,R=F,PA=24 | | |
| NGC 4309 | Vir | | Galaxy SAB(r)0+ | F,S,*11F12S |
| May 18 2014 18" | 8mm Ds | VF,PS,OVAL,UB,NND,R=F | | |

Observations Listing by Catalog Number

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|---|--|--|----------------------------|---------------------------|
| NGC 4310 Apr 16 2009 16" | Com 17mmT4 | H378-2 VF,VS,OVAL,NND,AV,R=F | Galaxy SB0 | F,CL,LE,N OF 2 |
| NGC 4312 Apr 16 2009 16" | Com 17mmT4 | H628-2 PB,PS,EON,FNUC,USB,R=G | Galaxy SA(rs)ab: sp | PB,CL,E,GBM |
| NGC 4313 Apr 04 2005 8" | Vir 11mmT6 | H63-2 MF,EL,EON,NND,R=F | Galaxy SA(rs)ab: sp | VF,L,E135,R |
| NGC 4314 May 17 2005 31" | Com 11mmT6 | H76-1 PB,PS,OVAL,FNUC,MSB,R=G | Galaxy SB(rs)a | CB,L,E150,SBM,*NP |
| NGC 4319 Jul 14 2010 12" | Dra 7.5mmW | H276-1 CF,PS,R,UB,LSB,R=F | Galaxy SB(r)ab | PB,PS,VLE,SBM |
| NGC 4321 Mar 16 2012 18" Mar 01 2011 12" Mar 08 2010 12" Mar 20 2009 16" Mar 10 2007 1.9" Mar 26 2006 8" Mar 19 2004 8" Mar 13 2004 8" | Com 17mmAT 17mmAT 26mm 26mm 12x50 19mmW 25mmPL 25mmPL | M100 2012 M.M. M.M. 2011 - MANUAL SETTING CIRCLES M.M. 2010 MANUAL SETTING CIRCLES MESSIER MARATHON - 2009 F,S,OVAL,NND,R=F F,L,OVAL,NND,R=F 2004 MESSIER MARATHON - ARGO NAVIS COMPUTER = ARGO NAVIS | Galaxy SAB(s)bc | PF,VL,R,VG,PSBMRN |
| NGC 4324 May 10 2005 8" | Vir 11mmT6 | H141-2 VF,VS,EL,OVAL,NND,R=F | Galaxy SA(r)0+ | PB,RORLE,BM |
| NGC 4326 May 10 2005 8" | Vir 11mmT6 | H141-2 MF,VS,R,NND,R=F | Galaxy SAB(r)ab: | VF,S,R,BM,1ST OF 3 |
| NGC 4330 May 10 2005 8" | Vir 11mmT6 | H141-2 VF,VS,EON,NND,AV,R=F | Galaxy Scd? | VF,L,ME |
| NGC 4332 Jul 14 2010 12" | Dra 7.5mmW | H847-2 CF,PS,OVAL,UB,NND,R=F | Galaxy SB(s)a | PF,S,VLE,VGBM |
| NGC 4336 Apr 16 2009 16" | Com 17mmT4 | H406-2 VF,PS,R,UB,NND,R=F | Galaxy SB0/a | VF,PL,IR,(BIN) |
| NGC 4339 Apr 09 2008 8" | Vir 11mmT6 | H143-2 PF,PS,R,FNUC,MSB,R=G | Galaxy E0 | B,PL,R,BM,3RD OF 3 |
| NGC 4340 May 17 2005 31" | Com 11mmT6 | H85-2 MB,PS,OVAL,NND,R=F | Galaxy SB(r)0+ | PB,S,R,PSBM |
| NGC 4341 Mar 30 2014 18" | Vir 7mm TV | H95-3 PF,PS,EON,UB,NND,R=F | Galaxy SAB(s)0^ sp | EF,VS,R |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|--|---------------------------|---------------------------|
| NGC 4342 | Vir | H96-3 | Galaxy S0- sp | EF,VS,R |
| Mar 30 2014 18" | 7mm TV | PF,PS,OVAL,BNUC,R=F | | |
| NGC 4343 | Vir | H94-3 | Galaxy SA(rs)b: | PF,S,E,(D) |
| Mar 30 2014 18" | 7mm TV | PF,PS,OVAL,MEXT,UB,NND,R=F | | |
| Apr 09 2008 8" | 11mmT6 | PF,PS,EON,UB,NND,R=F | | |
| NGC 4346 | CVn | H210-1 | Galaxy S0 sp | VF,S,ME100,VSMBMBN |
| Mar 29 2006 8" | 11mmT6 | F,S,EON,FNUC,R=F | | |
| NGC 4348 | Vir | H625-2 | Galaxy SAbc: sp | F,PL,E70,VLBM |
| Mar 30 2014 18" | 7mm TV | PF,PS,EON,UB,NND,R=F,PA=40 | | |
| NGC 4350 | Com | H86-2 | Galaxy SA0 sp | CB,VS,ME,VSBM |
| Mar 30 2014 18" | 7mm TV | VF,PS,OVAL,UB,NND,AV,R=P | | |
| May 17 2005 31" | 11mmT6 | MB,PS,EL,OVAL,FNUC,MSB,R=G | | |
| NGC 4351 | Vir | | Galaxy SBab/ | F,PL,IR,BM |
| Mar 30 2014 18" | 7mm TV | DIFF,PF,PS,OVAL,UB,NND,R=F | | |
| NGC 4352 | Vir | H64-2 | Galaxy SA0: sp | CF,CS,LE |
| Mar 30 2014 18" | 7mm TV | PF,PS,OVAL,PEXT,FNUC,R=G | | |
| NGC 4356 | Vir | H481-3 | Galaxy Scd: | VF |
| May 25 2014 18" | 8mm Ds | PF,PS,EON,UB,NND,R=F, MAG 13 STAR ON SOUTH EDGE. | | |
| NGC 4359 | Com | H648-3 | Galaxy SB(rs)c? sp | CF,PME90,VLBM |
| Apr 16 2009 16" | 17mmT4 | VF,VS,EL,OVAL,NND,AV,R=F | | |
| NGC 4361 | Crv | H65-1 | Planetary Neb 3a+2 | VB,L,R,VSMBMN,R |
| May 04 2005 8" | 11mmT6 | VF,VS,R,AV,R=F | | |
| NGC 4365 | Vir | H30-1 | Galaxy E3 | CB,PL,VLE,GL,SMBM |
| Apr 26 2006 8" | 11mmT6 | PB,PL,OVAL,FNUC,MSB,R=G | | |
| May 22 2004 8" | 25mmPL | DECENT NIGHT - MEGASTAR CONTROL | | |
| NGC 4369 | CVn | H166-1 | Galaxy (R)SA(rs)a | CB,S,R,MBMN,R |
| Mar 26 2009 16" | 17mmT4 | PF,PS,OVAL,USB,R=F | | |
| NGC 4370 | Vir | H144-2 | Galaxy Sa sp | PF,PS,LE,BM |
| Mar 30 2014 18" | 7mm TV | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 4371 | Vir | H22-1 | Galaxy SB(r)0+ | B,PS,R,GBM |
| Apr 26 2006 8" | 11mmT6 | PF,PS,OVAL,NND,R=F | | |
| Apr 14 2004 8" | 25mmPL | CLEAR NIGHT - MEGASTAR CONTROL | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|------------------------------------|-----------------------------|-----------------------------|
| NGC 4374 | Vir | M84 | Galaxy E1 | VB,PL,R,PSBM,R |
| May 14 2017 12" | 11mmT6 | F,VS,R,BNUC,R=E | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| May 06 2007 1.9" | 12x50 | PF,PS,OVAL,NND,R=F | | |
| Mar 26 2006 8" | 19mmW | B,S,OVAL,NND,R=F | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Mar 13 2004 8" | 25mmPL | COMPUTER = ARGO NAVIS | | |
| NGC 4378 | Vir | H123-1 | Galaxy (R)SA(s)a | B,S,*8,9SF3' |
| Apr 09 2010 12" | 11mmT6 | PF,PS,R,FNUC,R=F | | |
| NGC 4379 | Com | H87-2 | Galaxy S0- pec: | PS,R,PSBMN |
| Apr 16 2009 16" | 17mmT4 | VF,VS,R,NND,AV,R=F | | |
| NGC 4380 | Vir | | Galaxy SA(rs)b:? | VF,PL,R,LBM |
| Apr 09 2010 12" | 11mmT6 | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 4382 | Com | M85 | Galaxy SA(s)0+ pec | VB,PL,R,BM,*NP |
| Apr 20 2018 12" | 11mmT6 | | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Mar 10 2007 1.9" | 12x50 | VF,PS,OVAL,NND,AV,R=F | | |
| Mar 26 2006 8" | 19mmW | B,L,OVAL,BNUC,R=G | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Mar 13 2004 8" | 25mmPL | COMPUTER = ARGO NAVIS | | |
| NGC 4385 | Vir | | Galaxy SB(rs)0+: | VF,VS,ALM STELL |
| Mar 30 2014 18" | 7mm TV | PF,PS,OVAL,MEXT,UB,NND,R=F | | |
| NGC 4386 | Dra | H277-1 | Galaxy SAB0^: | PB,CL,LE,PSMBM |
| Jul 14 2010 12" | 7.5mmW | PF,CS,OVAL,MEXT,FNUC,R=F | | |
| NGC 4387 | Vir | H167-2 | Galaxy E | PF,VS,R,*13NP90,NP-2 |
| May 14 2017 12" | 11mmT6 | F,PS,OVAL,FNUC,R=E | | |
| Apr 09 2010 12" | 11mmT6 | PF,CS,OVAL,UB,NND,R=F | | |
| NGC 4388 | Vir | H168-2 | Galaxy SA(s)b: sp | VF,E,SF OF2 |
| May 14 2017 12" | 11mmT6 | F,PS,EON,BNUC,R=E | | |
| May 22 2004 8" | 25mmPL | DECENT NIGHT - MEGASTAR CONTROL | | |
| NGC 4389 | CVn | H749-2 | Galaxy SB(rs)bc pec: | PB,PL,IE,VGLBM |
| Apr 06 2010 12" | 11mmT6 | VF,CS,OVAL,NND,AV,R=F | | |
| NGC 4391 | Dra | H852-3 | Galaxy SA0-: | CF,S,R,SBM,***SP |
| Jul 14 2010 12" | 7.5mmW | CF,VS,R,UB,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|--|------------------------------|--------------------------|
| NGC 4394 | Com | H55-2 | Galaxy (R)SB(r)b | PB,LE,BM |
| Apr 20 2018 12" | 11mmT6 | | | |
| Apr 26 2006 8" | 11mmT6 | PF,PS,R,NND,R=F | | |
| Apr 14 2004 8" | 25mmPL | CLEAR NIGHT - MEGASTAR CONTROL | | |
| Mar 13 2004 8" | 25mmPL | COMPUTER = ARGO NAVIS | | |
| NGC 4395 | CVn | H29.1-5 | Galaxy SA(s)m: | EF,VL,NP OF DNEB |
| Apr 06 2010 12" | 11mmT6 | DIFF,PF,PL,OVAL,UB,NND,R=F | | |
| May 21 2009 16" | 17mmT4 | PF,PL,R,LSB,R=F | | |
| NGC 4402 | Vir | | Galaxy Sb sp | F,L,ME90 |
| Apr 09 2010 12" | 11mmT6 | PF,PS,EON,UB,NND,R=F | | |
| NGC 4403 | Vir | H755-3 | Galaxy SA(r)ab pec sp | VF,VS,E |
| Mar 30 2014 18" | 7mm TV | PF,PS,OVAL,PEXT,UB,NND,R=F,PAIRED W/NGC-4404 | | |
| NGC 4404 | Vir | H756-3 | Galaxy SA(r)0- pec: | VF,VS,E |
| Mar 30 2014 18" | 7mm TV | PF,PS,OVAL,UB,NND,R=F,PAIRED W/NGC-4403 | | |
| NGC 4406 | Vir | M86 | Galaxy E3 | VB,L,R,GBMN,R |
| Apr 20 2018 12" | 11mmT6 | | | |
| May 14 2017 12" | 11mmT6 | F,PS,R,BNUC,R=E | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| May 06 2007 1.9" | 12x50 | PF,PS,OVAL,NND,R=F | | |
| Mar 26 2006 8" | 19mmW | B,S,R,NND,R=F | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Mar 13 2004 8" | 25mmPL | COMPUTER = ARGO NAVIS | | |
| NGC 4410A | Vir | | Non-Existent | |
| Mar 30 2014 18" | 7mm TV | VF,PS,R,UB,NND,R=F,PAIRED W/NGC-4410B | | |
| NGC 4410B | Vir | | Non-Existent | |
| Mar 30 2014 18" | 7mm TV | VF,PS,R,UB,NND,R=F,PAIRED W/NGC-4410A | | |
| NGC 4411A | Vir | | Galaxy SBdm | |
| Mar 30 2014 18" | 7mm TV | VF,PS,OVAL,UB,NND,AV,R=F | | |
| NGC 4411B | Vir | | Non-Existent | |
| Mar 30 2014 18" | 7mm TV | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 4413 | Vir | H169-2 | Non-Existent | CF,S,GBM,2ST N,NP |
| Mar 30 2014 18" | 7mm TV | PF,PS,OVAL,UB,ND,R=F | | |
| Apr 09 2010 12" | 11mmT6 | CF,PS,OVAL,MEXT,UB,NND,R=F | | |
| NGC 4414 | Com | H77-1 | Galaxy SA(rs)c? | VB,L,E,G,VSMBM* |
| May 17 2005 31" | 11mmT6 | PB,PL,OVAL,FNUC,MSB,R=G | | |

Observations Listing by Catalog Number

| | | | | |
|---|--|---|-----------------------------|---------------------------|
| NGC 4417 Apr 05 2005 8" | Vir 7.5mmW | H155-2 VF,ML,EL,EON,NND,AV,R=F | Galaxy SB0: sp | F,PL,E,LBP |
| NGC 4419 May 17 2005 31" | Com 11mmT6 | H113-2 MB,ML,EL,EON,FNUC,MSB,R=G | Galaxy SB(s)a sp | B,PME135,SBM |
| NGC 4420 Mar 30 2014 18" Apr 05 2005 8" | Vir 7mm TV 7.5mmW | H23-2 PF,PS,OBVAL,MEXT,UB,NND,R=F VF,VS,EL,NND,AV,R=F | Non-Existent | F,PL,LE,R,(=4409) |
| NGC 4421 May 17 2005 31" | Com 11mmT6 | H89-2 PF,PS,OVAL,NND,AV,R=F | Galaxy SB(s)0/a | PB,PL,PGBM,B*NP |
| NGC 4424 Apr 05 2005 8" | Vir 7.5mmW | Galaxy SB(s)a: MFN,ML,EL,OVAL,NND,MSB,R=G | | F,PL,IR,BM |
| NGC 4425 Apr 09 2010 12" | Vir 11mmT6 | H170-2 PF,PS,OVAL,PEXT,FNUC,R=G | Galaxy SB0+: sp | PF,S,R,BM |
| NGC 4429 Apr 26 2006 8" Apr 14 2004 8" | Vir 11mmT6 25mmPL | H65-2 F,PS,EL,OVAL,UB,R=F CLEAR NIGHT - MEGASTAR CONTROL | Galaxy SA(r)0+ | B,L,CE,PSBM,*10NF |
| NGC 4435 Apr 20 2018 12" May 14 2017 12" Apr 26 2006 8" Apr 14 2004 8" Mar 13 2004 8" | Vir 11mmT6 11mmT6 11mmT6 25mmPL 25mmPL | H28-1 F,PS,R,FNUC,R=E B,S,R,FNUC,MSB,R=G CLEAR NIGHT - MEGASTAR CONTROL COMPUTER = ARGONAVIS | Galaxy SB(s)0^ | VB,CL,R,NP OF 2 |
| NGC 4437 May 19 2010 12" | Vir 7.5mmW | H5-4 DIFF,CF,PS,EON,NND,AV,R=F | Galaxy SA(s)cd: sp | F,EE75,*10NF |
| NGC 4438 Apr 20 2018 12" May 14 2017 12" Apr 26 2006 8" Apr 14 2004 8" Mar 13 2004 8" | Vir 11mmT6 11mmT6 11mmT6 25mmPL 25mmPL | H28-1 F,PS,EON,FNUC,R=E F,PL,EL,OVAL,NND,R=F CLEAR NIGHT - MEGASTAR CONTROL COMPUTER = ARGONAVIS | Galaxy SA(s)0/a pec: | B,CL,VLE,R,SF OF 2 |
| NGC 4441 Jul 14 2010 12" | Dra 7.5mmW | H848-2 VF,PS,R,NND,AV,R=P | Galaxy SAB0+ pec | PB,S,IR,BM |
| NGC 4442 Apr 26 2006 8" May 22 2004 8" | Vir 11mmT6 25mmPL | H156-2 PB,CS,EON,FNUC,R=G DECENT NIGHT - MEGASTAR CONTROL | Galaxy SB(s)0^ | VB,PL,R,SMBM |
| NGC 4443 Apr 05 2005 8" | Vir 7.5mmW | Non-Existent MFB,ML,EL,OVAL,FNUC,MSB,R=G | | F,S, |

Observations Listing by Catalog Number

| | | | | |
|---|--------------------------------|--|----------------------------|-----------------------------|
| NGC 4448 May 17 2005 31" | Com 19mmW | H91-1 VF,PS,EL,NND,R=G | Galaxy SB(r)ab | B,L,E90,SBM |
| NGC 4449 Mar 13 2007 8" Apr 16 2004 8" | CVn 11mmT6 25mmPL | H213-1 PB,PL,OVAL,FNUC,MHISB,R=G CLEAR - MEGASTAR CONTROL | Galaxy IBm | VB,CL,ME,DORBIFID,*F |
| NGC 4450 May 17 2005 31" | Com 11mmT6 | H56-2 MF,MS,OVAL,NND,R=F | Galaxy SA(s)ab | B,L,R,GVMBM*,R,B*SP |
| NGC 4451 May 30 2016 12" | Vir 8mm Ds | H180-2 VF,VS,OVAL,NND,AV1,R=F | Galaxy Sbc: | PB,PS,R,BM,*13S |
| NGC 4454 May 25 2014 18" | Vir 8mm Ds | H180-2 PF,PS,OVAL,NND,R=F | Galaxy (R)SB(r)0/a | F,L,R,GBM,ER |
| NGC 4457 May 22 2004 8" | Vir 25mmPL | H35-2 DECENT NIGHT - MEGASTAR CONTROL | Galaxy (R)SAB(s)0/a | CB,PS,R,SMBMN |
| NGC 4458 Apr 09 2010 12" | Vir 11mmT6 | H121-2 PB,PS,R,NND,R=G | Galaxy E0-1 | PB,S,R,BM,P OF 2 |
| NGC 4459 Apr 26 2006 8" Apr 14 2004 8" | Com 11mmT6 25mmPL | H161-1 PF,PS,OVAL,NND,R=F CLEAR NIGHT - MEGASTAR CONTROL | Galaxy SA(r)0+ | PB,PL,IR,BM,R,*8SF2' |
| NGC 4461 Apr 09 2010 12" | Vir 11mmT6 | H122-2 PB,PS,OVAL,PEXT,BNUC,HSB,R=G | Galaxy SB(s)0+: | PF,S,R,BM,F OF 2 |
| NGC 4464 May 14 2007 31" | Vir 17mmT4 | H483-3 PB,PS,R,FNUC,MSB,R=G | Galaxy S? | F,VS,R,PGBM |
| NGC 4465 May 14 2007 31" | Vir 17mmT4 | H157-2 PF,PS,R,UB,NND,R=F | Galaxy Sc | VF,VDIF |
| NGC 4467 May 14 2007 31" | Vir 17mmT4 | H157-2 PF,CS,R,UB,NND,R=F | Galaxy E2 | VF,VS,LE |
| NGC 4469 Apr 05 2005 8" | Vir 7.5mmW | H157-2 MF,ML,EL,EON,NND,R=G | Galaxy SB(s)0/a? sp | PF,PL,ME,BM,R |
| NGC 4470 May 25 2014 18" | Vir 8mm Ds | H18-2 PF,PS,OVAL,FNUC,R=G | Galaxy Sa? | F,PL,IR,BM |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|------------------------------------|---------------------------|-----------------------------|
| NGC 4472 | Vir | M49 | Galaxy E2 | VB,L,R,MBM,R |
| Apr 14 2016 12" | 11mmT6 | SOME MORE EYE CANDY | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 11mmT6 | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| May 14 2007 31" | 17mmT4 | B,CL,OVAL,BNUC,HISB,R=G | | |
| May 06 2007 1.9" | 12x50 | PB,PS,OVAL,NND,R=G | | |
| Mar 26 2006 8" | 19mmW | B,L,OVAL,BNUC,HISB,R=G | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Mar 13 2004 8" | 25mmPL | COMPUTER = ARGO NAVIS | | |
| NGC 4473 | Com | H114-2 | Galaxy E5 | PB |
| May 14 2017 12" | 11mmT6 | PF,PS,OVAL,MEXT,FNUC,R=G | | |
| Apr 26 2006 8" | 11mmT6 | PB,CS,OVAL,FNUC,R=G | | |
| Apr 14 2004 8" | 25mmPL | CLEAR NIGHT - MEGASTAR CONTROL | | |
| NGC 4474 | Com | H117-2 | Galaxy S0 pec: | PF,R,R |
| Apr 26 2006 8" | 11mmT6 | VF,VS,OVAL,NND,R=F | | |
| NGC 4476 | Vir | H123-2 | Galaxy SA(r)0-: | F,S,R,BM,1ST OF 3 |
| May 25 2014 18" | 8mm Ds | PF,VS,OVAL,FNUC,R=G | | |
| NGC 4477 | Com | H115-2 | Galaxy SB(s)0:? | PB,CL |
| May 14 2017 12" | 11mmT6 | PF,PS,R,FNUC,R=G | | |
| Apr 26 2006 8" | 11mmT6 | PB,CS,R,FNUC,R=G | | |
| Apr 14 2004 8" | 25mmPL | CLEAR NIGHT - MEGASTAR CONTROL | | |
| NGC 4478 | Vir | H124-2 | Galaxy E2 | PB,S,R,PSBM,2ND OF 3 |
| Apr 05 2005 8" | 7.5mmW | MB,MS,R,FNUC,MSB,R=G | | |
| NGC 4482 | Vir | H40-3 | Galaxy E | EF,PL |
| May 25 2014 18" | 8mm Ds | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 4484 | Vir | | Galaxy SA(s)c pec: | PF,S,R,GBM |
| May 25 2014 18" | 8mm Ds | VF,PS,R,UB,NND,AV,R=P | | |
| NGC 4485 | CVn | H197-1 | Galaxy IB(s)m pec | B,PS,IR,NP OF 2 |
| Mar 29 2006 8" | 11mmT6 | PF,PS,R,NND,R=F | | |
| NGC 4486 | Vir | M87 | Galaxy E+0-1 pec | VB,VL,R,MBM,3RD OF 3 |
| Sep 19 2014 12" | 17mmAT | PF,L,R=G, HOME - 8/14/14 | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Mar 10 2007 1.9" | 12x50 | PF,S,OVAL,R=F | | |
| Mar 26 2006 8" | 19mmW | B,LLARGER,FNUC,R=G | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Mar 13 2004 8" | 25mmPL | COMPUTER = ARGO NAVIS | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|------------------------------------|-----------------------------|-----------------------------|
| NGC 4486A | Vir | | Galaxy E2 | |
| May 18 2014 18" | 8mm Ds | VF,VS,OVAL,UB,NND,R=F | | |
| NGC 4486B | Vir | | Galaxy cE0 | |
| May 18 2014 18" | 8mm Ds | VF,VSM,R,UB,NND,R=F | | |
| NGC 4487 | Vir | H776-2 | Galaxy SAB(rs)cd | F,VL,ER |
| May 14 2007 31" | 17mmT4 | DIFF,PF,PL,OVAL,NND,R=F | | |
| NGC 4488 | Vir | H484-3 | Galaxy SB(s)0/a pec: | VF,VS,LE |
| May 14 2007 31" | 17mmT4 | PB,PS,OVAL,UB,FNUC,MSB,R=G | | |
| NGC 4490 | CVn | H198-1 | Galaxy SB(s)d pec | VB,VL,ME130,R,SF OF2 |
| Mar 29 2006 8" | 11mmT6 | F,S,OVAL,FNUC,R=F | | |
| Apr 14 2004 8" | 25mmPL | CLEAR NIGHT - MEGASTAR CONTROL | | |
| NGC 4491 | Vir | H41-3 | Galaxy SB(s)a: | F,L,R |
| May 14 2007 31" | 17mmT4 | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 4492 | Vir | H499-2 | Galaxy SA(s)a? | PF,PL,VGLBM,2*NR |
| May 14 2007 31" | 17mmT4 | PB,PS,R,FNUC,MSB,R=G | | |
| NGC 4493 | Vir | | Galaxy E+ pec: | VF,VS,IR |
| May 14 2007 31" | 17mmT4 | PF,CL,OVAL,NND,R=F | | |
| NGC 4494 | Com | H83-1 | Galaxy E1-2 | VB,PL,R,VSMBMN |
| Apr 26 2006 8" | 11mmT6 | FB,FL,OVAL,FNUC,R=F | | |
| Apr 16 2004 8" | 25mmPL | CLEAR - MEGASTAR CONTROL | | |
| NGC 4496A | Vir | | Galaxy SB(rs)m | F,CL,BIN OR DNEB |
| May 14 2007 31" | 17mmT4 | PF,PS,R,NND,R=F | | |
| NGC 4496B | Vir | | Galaxy IB(s)m: | |
| May 14 2007 31" | 17mmT4 | DIFF,PF,PL,OVAL,NND,R=F | | |
| NGC 4497 | Vir | H42-3 | Galaxy SAB(s)0+: | VF |
| May 14 2007 31" | 17mmT4 | PB,PL,OVAL,UB,NND,R=G | | |
| NGC 4501 | Com | M88 | Galaxy SA(rs)b | B,VL,VME |
| Apr 14 2016 12" | 8mm Ds | EYE CANDY | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 11mmT6 | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Mar 10 2007 1.9" | 12x50 | PF,S,OVAL,NND,R=F | | |
| Mar 26 2006 8" | 19mmW | B,L,OVAL,FNUC,R=F | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Mar 13 2004 8" | 25mmPL | COMPUTER = ARGO NAVIS | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|---------------------------------|-----------------------------|----------------------------|
| NGC 4503 | Vir | H66-2 | Galaxy SB0-: | PB,S,R,GBM |
| May 14 2007 31" | 17mmT4 | PB,PL,EL,OVAL,BNUC,HISB,R=G | | |
| NGC 4504 | Vir | H771-2 | Galaxy SA(s)cd | PB,CL,IE,GVLBM,ER |
| May 14 2007 31" | 17mmT4 | DIFF,PF,PL,OVAL,NND,R=F | | |
| May 22 2004 8" | 25mmPL | DECENT NIGHT - MEGASTAR CONTROL | | |
| NGC 4512 | Dra | | Galaxy SB(s)dm | PB,S,R,PSBM |
| Jul 14 2010 12" | 7.5mmW | VF,CS,OVAL,UB,NND,AV,R=P | | |
| NGC 4518 | Vir | | Galaxy SB0_2/3_(r)/a | F,S,R,BM |
| May 14 2007 31" | 17mmT4 | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 4519 | Vir | H158-2 | Galaxy SB(rs)d | F,PL,R,BM,R |
| May 14 2007 31" | 17mmT4 | DIFF,PF,PL,OVAL,NND,R=F | | |
| NGC 4519A | Vir | | Galaxy dS0? | |
| May 14 2007 31" | 17mmT4 | CF,CS,OVAL,NND,R=F | | |
| NGC 4520 | Vir | H757-3 | Galaxy SA0- pec sp | VF,S,2VS*INV |
| May 14 2007 31" | 17mmT4 | PF,PS,OVAL,UB,FNUC,R=F | | |
| NGC 4521 | Dra | H849-2 | Galaxy S0/a | PB,S,PME,PGBM,*P12S |
| Aug 31 2010 12" | 7mm TV | CF,PS,EON,UB,NND,R=G. PA=195 | | |
| NGC 4522 | Vir | | Galaxy SB(s)cd: sp | EF,PL,LE,VLBM |
| May 14 2007 31" | 17mmT4 | PF,PL,EON,UB,NND,R=F | | |
| NGC 4526 | Vir | H31-1 | Galaxy SAB(s)0^: | VB,VL,ME120,PSMBM |
| May 14 2007 31" | 17mmT4 | VB,CL,EON,BNUC,HISB,R=G | | |
| Apr 26 2006 8" | 11mmT6 | VB,CS,EON,BNUC,R=G | | |
| Apr 16 2004 8" | 25mmPL | CLEAR - PALM PILOT DIRECTED | | |
| NGC 4527 | Vir | H37-2 | Galaxy SAB(s)bc | PB,L,PME69,MBM |
| Apr 13 2005 8" | 11mmT6 | MB,ML,EL,EON,FNUC,R=G | | |
| NGC 4528 | Vir | H67-2 | Galaxy S0^: | PF,CS,R,BM,*9F30S |
| May 14 2007 31" | 17mmT4 | PF,PS,OVAL,BNUC,HISB,R=G | | |
| NGC 4531 | Vir | H175-2 | Galaxy SB0+: | F,PL,R,VGBM |
| May 14 2007 31" | 17mmT4 | DIFF,PF,PL,OVAL,NND,R=F | | |
| NGC 4532 | Vir | H147-2 | Galaxy IBm | PB,PL,PME,VGBM,R |
| May 14 2007 31" | 17mmT4 | PB,PL,EON,UB,FNUC,R=G | | |
| NGC 4535 | Vir | H500-2 | Galaxy SAB(s)c | PF,VL,R |
| Apr 26 2006 8" | 11mmT6 | F,VL,OVAL,NND,R=F | | |
| May 22 2004 8" | 25mmPL | DECENT NIGHT - MEGASTAR CONTROL | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|---|-----------------------------------|------------------------------|
| NGC 4536 | Vir | H2-5 | Galaxy SAB(rs)bc | B,VL,ME110,SBM,ER |
| Apr 13 2005 8" | 11mmT6 | MB,ML,EL,EON,FNUC,R=G | | |
| NGC 4545 | Dra | H850-2 | Galaxy SB(s)cd: | F,L,IR,VGBM,S*NF |
| Feb 23 2006 31" | 17mmT4 | PB,PL,OVAL,FNUC,PHISB,R=G | | |
| NGC 4546 | Vir | H160-1 | Galaxy SB(s)0-: | VB,CL,PME78,VSMBMN |
| Apr 26 2006 8" | 11mmT6 | F,L,OVAL,NND,R=F | | |
| Apr 16 2004 8" | 25mmPL | CLEAR - PALM PILOT DIRECTED | | |
| NGC 4548 | Com | M91 H120-2 | Galaxy SB(rs)b | B,L,LE,LBM |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| May 06 2007 1.9" | 12x50 | VF,S,OVAL,NND,R=F | | |
| Apr 26 2006 8" | 11mmT6 | B,L,EON,NND,R=F | | |
| Mar 26 2006 8" | 19mmW | B,L,EON,NND,R=F | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Mar 13 2004 8" | 25mmPL | COMPUTER = ARGO NAVIS | | |
| NGC 4550 | Vir | H36-1 | Galaxy SB0[^]: sp | PB,S,VLE,SP OF 2 |
| Apr 13 2005 8" | 11mmT6 | MF,MS,EL,NND,R=G | | |
| NGC 4551 | Vir | H37-1 | Galaxy E: | PB,S,R,BM,NF OF 2 |
| Apr 13 2005 8" | 11mmT6 | VF,MS,OVAL,NND,AV,R=F | | |
| NGC 4552 | Vir | M89 | Galaxy E0-1 | PB,PS,R,GMBM |
| Apr 20 2018 12" | 11mmT6 | | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 11mmT6 | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Mar 10 2007 1.9" | 12x50 | B,S,R,NND,R=F | | |
| Mar 26 2006 8" | 19mmW | B,L,R,FNUC,R=G | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| NGC 4559 | Com | H92-1 | Galaxy SAB(rs)cd | VB,VL,ME150,GBM,3*F |
| Apr 13 2005 8" | 7.5mmW | MB,ML,EL,FNUC,R=G | | |
| NGC 4565 | Com | H24-5 | Galaxy SA(s)b? sp | B,EL,EE135,VSMBMN=*10 |
| May 14 2010 31" | 17mmT4 | VB,VL,EON,BNUC,HSB,DARK DUST LANE BISECST. FILLS EYEPIECE,R=E!! | | |
| May 18 2009 31" | 31mmT5 | PB,PL,EON,BNUC,HISB,R=E, NICE DUST LANE | | |
| Mar 04 2006 31" | 31mmT5 | VB,VL,EON,BNUC,HISB,R=G | | |
| Apr 13 2005 8" | 7.5mmW | MB,ML,EL,EON,FNUC,R=G | | |
| NGC 4567 | Vir | H8-4 | Galaxy SA(rs)bc | VF,L,NP OF D NEB |
| Apr 14 2016 12" | 11mmT6 | PF,PS,OVAL,NND,R=F | | |
| NGC 4568 | Vir | H9-4 | Galaxy SA(rs)bc | VF,L,SF OF D NEB |
| Apr 14 2016 12" | 11mmT6 | PF,PS,OVAL,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|------------------------------------|----------------------------|----------------------------|
| NGC 4569 | Vir | M90 | Galaxy SAB(rs)ab | PL,BMN |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 11mmT6 | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| May 18 2007 31" | 17mmT4 | EB,EL,EL,OVAL,BNUC,HISB,R=E | | |
| May 06 2007 1.9" | 12x50 | PB,PS,OVAL,NND,R=G | | |
| Mar 26 2006 8" | 19mmW | F,L,EON,NND,R=F | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| NGC 4570 | Vir | H32-1 | Galaxy S0 sp | CB,PS,ME0,SBMRN |
| Apr 28 2006 31" | 19mmW | VB,CL,EON,,BNUC,PHISB,R=G | | |
| May 22 2004 8" | 25mmPL | DECENT NIGHT - MEGASTAR CONTROL | | |
| NGC 4571 | Com | H602-3 | Galaxy SA(r)d | VF,L,E,VGBM,*9NF NR |
| Apr 16 2009 16" | 17mmT4 | PF,PS,R,UB,NND,R=F | | |
| NGC 4572 | Dra | H939-3 | Galaxy S | EF,S |
| Feb 23 2006 31" | 17mmT4 | PF,FL,EON,NND,R=F | | |
| NGC 4578 | Vir | H15-2 | Galaxy SA(r)0^: | PF,PS,R,SBMN,*NP |
| Apr 08 2005 8" | 11mmT6 | MF,MS,OVAL,NND,R=G | | |
| NGC 4579 | Vir | M58 | Galaxy SAB(rs)b | B,L,IR,VMBM,R |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 11mmT6 | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Mar 10 2007 1.9" | 12x50 | F,S,R,NND,R=F | | |
| Mar 26 2006 8" | 19mmW | F.S.VA,;.NND.R=F | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Mar 13 2004 8" | 25mmPL | COMPUTER = ARGO NAVIS | | |
| NGC 4580 | Vir | H124-1 | Galaxy SAB(rs)a pec | PB,L,VGBM |
| Apr 08 2005 8" | 11mmT6 | MB,ML,R,NND,R=G | | |
| NGC 4581 | Vir | | Galaxy E+ | F,S,BM,STELL N |
| Apr 08 2005 8" | 7.5mmW | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 4584 | Vir | | Galaxy SAB(s)a? | VF,S,R |
| May 18 2014 18" | 8mm Ds | PF,PS,OVAL,MEXT,UB,NND,R=F | | |
| NGC 4586 | Vir | H125-1 | Galaxy SA(s)a: sp | PB,L,E,PSBM |
| Apr 08 2005 8" | 11mmT6 | MF,ML,EL,NND,R=G | | |
| NGC 4589 | Dra | H273-1 | Galaxy E2 | CB,L,LE,PGMBM |
| Feb 23 2006 31" | 17mmT4 | VB,FL,OVAL,BNUC,HISB,R=G | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|-------------------------------------|--------------------------|-----------------------------|
| NGC 4590 | Hya | M68 | Globular | GCL,L,ERI,VC,IR,ST12 |
| May 14 2017 12" | 11mmT6 | LOW ON HORIZON. JUST A SMUDGE | | |
| May 30 2016 12" | 8mm Et | PF,PS,R=F. LOW ON HORIZON | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 11mmT6 | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Mar 27 2006 8" | 19mmW | F,L,R,R=F, DENSE CLUSTER | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| NGC 4592 | Vir | H31-2 | Galaxy SA(s)dm: | F,L,E90,VGBM |
| Apr 26 2009 16" | 17mmT4 | CF,PS,EON,UB,NND,R=F | | |
| Apr 08 2005 8" | 11mmT6 | MF,ML,EL,EON,NND,AV,R=F | | |
| NGC 4593 | Vir | H183-2 | Galaxy (R)SB(rs)b | PB,CL,E,SBMN=* |
| Apr 14 2016 12" | 11mmT6 | PF,S,OVAL,UB,NND,R=F | | |
| Apr 08 2005 8" | 11mmT6 | MF,MS,OVAL,NND,R=F | | |
| NGC 4594 | Vir | M104 H43-1 | Galaxy SA(s)a sp | VB,VL,EE92,VSMBMN |
| May 14 2017 12" | 11mmT6 | VERY NICE. | | |
| Apr 14 2016 12" | 8mm Ds | PF,PS,EON,FNUC,R=F,DUST LANE FAINT. | | |
| May 23 2015 12" | 11mmT6 | | | |
| May 22 2015 12" | 8mm Ds | ALWAYS GREAT. DUST LANE VISIBLE | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 11mmT6 | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Apr 02 2008 31" | 40mm | PB,PL,EON,BNUC,HISB,R=E | | |
| May 06 2007 1.9" | 12x50 | PB,PL,EON,NND,R=G | | |
| Apr 19 2007 31" | 17mmT4 | VB,VL,EON,BNUC,VHISB,R=E!! | | |
| Mar 26 2006 8" | 19mmW | PB,PL,EON,BNUC,HISB,R=G | | |
| Apr 05 2005 8" | 7.5mmW | VB,VL,EON,NUC,HISB,R=E!! | | |
| Apr 14 2004 8" | 25mmPL | CLEAR NIGHT - MEGASTAR CONTROL | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Mar 13 2004 8" | 25mmPL | COMPUTER = ARGO NAVIS | | |
| NGC 4596 | Vir | H24-1 | Galaxy SB(r)0+ | B,PS,R,GMBM,R,3*F |
| Apr 08 2005 8" | 11mmT6 | MB,ML,OVALFNUC,R=G | | |
| NGC 4597 | Vir | H636-2 | Galaxy SB(rs)m | F,VL,BM |
| Apr 08 2005 8" | 7.5mmW | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 4598 | Vir | H105-3 | Galaxy SB0 | EF,L,R,VLBM |
| May 18 2014 18" | 8mm Ds | VF,PS,OVAL,UB,NND,R=F | | |
| NGC 4599 | Vir | H509-3 | Galaxy SA0/a sp | VF,VS |
| May 18 2014 18" | 8mm Ds | VF,PS,OVAL,UB,NND,R=F | | |
| NGC 4600 | Vir | H577-2 | Galaxy S0 | F,S,R,2*8F |
| May 18 2014 18" | 8mm Ds | PF,PS,OVAL,UB,NND,R=F | | |

Observations Listing by Catalog Number

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|--|--|---|----------------------------|-----------------------------|
| NGC 4602 Apr 08 2005 8" | Vir 11mmT6 | H184-2 MF,MS,EON,NND,R=F | Galaxy SAB(rs)bc | F,L,E,VGLBM |
| NGC 4604 May 18 2014 18" | Vir 8mm Ds | VF,VS,OVAL,PEXT,UB,NND,AV,R=F | Galaxy Im: sp | NO DESCRIPTION |
| NGC 4605 Aug 31 2010 12" | UMa 7mm TV | H254-1 DIFF,CF,PS,OVAL,UB,NND,R=F. PA=90 | Galaxy SB(s)c pec | B,L,VME118,GLBM |
| NGC 4606 Apr 08 2005 8" | Vir 11mmT6 | H43-3 MF,ML,OVAL,NND,R=F | Galaxy SB(s)a: | VF,PS,E,20R3VS*INV |
| NGC 4607 May 18 2014 18" | Vir 8mm Ds | PF,S,EON,UB,NND,R=F,PA=179 | Galaxy SBb? sp | F,ME,3OR4'F4606 |
| NGC 4608 Apr 08 2005 8" | Vir 11mmT6 | H69-2 MF,MS,OVAL,FNUC,R=G | Galaxy SB(r)0^ | PB,PL,R,PSBM,R,*NP1' |
| NGC 4612 Apr 08 2005 8" | Vir 11mmT6 | H148-2 MB,MS,OVAL,RNUC,R=G | Galaxy (R)SAB0^ | PB,S,R,PSMBM |
| NGC 4618 Apr 14 2010 16" Apr 06 2010 12" Mar 29 2006 8" | CVn 11mmT6 11mmT6 11mmT6 | H178-1 PF,PS,R,NND,R=F DIFF,PF,PS,R,NND,R=F PF,PS,OVAL,NND,AV,R=F | Galaxy SB(rs)m | B,L,E,MBM,CVDBRANCHN |
| NGC 4621 Apr 20 2018 12" Mar 16 2012 18" Mar 01 2011 12" Mar 08 2010 12" Mar 20 2009 16" Mar 10 2007 1.9" Mar 26 2006 8" Mar 19 2004 8" Mar 13 2004 8" | Vir 11mmT6 17mmAT 17mmAT 11mmT6 26mm 12x50 19mmW 25mmPL 25mmPL | M59 2012 M.M. M.M. 2011 - MANUAL SETTING CIRCLES M.M. 2010 MANUAL SETTING CIRCLES MESSIER MARATHON - 2009 B,PS,OVAL,FNUC,R=G F,L,OVAL,NND,R=F 2004 MESSIER MARATHON - ARGO NAVIS COMPUTER = ARGO NAVIS | Galaxy E5 | B,PL,LE,VSVMBM,2*P |
| NGC 4623 Apr 08 2005 8" | Vir 11mmT6 | H149-2 MF,MS,OVAL,NND,AV,R=F | Galaxy SB0+: sp | CF,PL,E,PSLBM,R |
| NGC 4624 May 18 2014 18" | Vir 8mm Ds | F,S,OVAL,BNUC,R=G | Galaxy E0-1 | B,E |
| NGC 4625 Apr 14 2010 16" Apr 06 2010 12" | CVn 11mmT6 11mmT6 | H660-2 PF,PS,R,UB,NND,R=F PF,CS,OVAL,NND,AV,R=P | Galaxy SAB(rs)m pec | PF,S,R |
| NGC 4627 May 04 2005 8" | CVn 19mmW | H659-2 MF,VS,OVAL,NND,R=F | Galaxy E4 pec | F,S,R,NP OF 2 |

Observations Listing by Catalog Number

| | | | | |
|---|--|--|-------------------------|-----------------------------|
| NGC 4630 Apr 08 2005 8" | Vir 7.5mmW | H532-2 VF,VS,OVAL,NND,AV,R=F | Galaxy IB(s)m? | CF,S,R,LBM |
| NGC 4631 May 04 2005 8" | CVn 19mmW | H42-5 MB,ML,EL,EON,FNUC,R=G | Galaxy SB(s)d sp | VB,VL,EE70,BMN,*ATTN |
| NGC 4632 Apr 26 2009 16" Apr 08 2005 8" | Vir 17mmT4 7.5mmW | H14-1 CF,CS,OVAL,NND,R=F VF,VS,OVAL,NND,R=F | Galaxy SAC | PB,L,E45 |
| NGC 4636 Apr 26 2009 16" Apr 28 2006 31" May 22 2004 8" | Vir 17mmT4 19mmW 25mmPL | H38-2 PB,PS,OVAL,FNUC,R=F VB,VL,OVAL,BNUC,PHISB,R=G DECENT NIGHT - MEGASTAR CONTROL | Galaxy E | B,L,IR,VGVMBM,R |
| NGC 4637 Apr 14 2016 12" | Vir 11mmT6 | H532-2 PF,PS,OVAL,FNUC,R=F | Galaxy S0? | DNEB W/4638,() |
| NGC 4638 Apr 20 2018 12" Apr 08 2005 8" | Vir 11mmT6 11mmT6 | H70-2 MB,MS,OVAL,NND,R=G | Galaxy S0- sp | F,R,GBM |
| NGC 4639 Apr 08 2005 8" | Vir 11mmT6 | H125-2 MB,ML,OVAL,RNUC,R=G | Galaxy SAB(rs)bc | PB,S,E,R,*12SF1' |
| NGC 4643 Apr 26 2009 16" Apr 28 2006 31" May 22 2004 8" | Vir 17mmT4 19mmW 25mmPL | H10-1 PF,PS,OVAL,FNUC,R=F VB,VL,OVAL,BNUC,PHISB,R=G DECENT NIGHT - MEGASTAR CONTROL | Galaxy SB(rs)0/a | CB,PS,LE,MBM |
| NGC 4647 Apr 08 2005 8" Mar 13 2004 8" | Vir 11mmT6 25mmPL | H44-3 MB,MS,OVAL,NND,R=G COMPUTER = ARGONAVIS | Galaxy SAB(rs)c | PF,PL,LE115,NPOFDNEB |
| NGC 4648 Feb 23 2006 31" | Dra 17mmT4 | H274-1 VB,FL,OVAL,BNUC,HISB,R=G | Galaxy E3 | PB,CS,R,GBM,**P |
| NGC 4649 Apr 20 2018 12" Apr 14 2016 12" Mar 16 2012 18" Mar 01 2011 12" Mar 08 2010 12" Mar 20 2009 16" Mar 10 2007 1.9" Mar 26 2006 8" Mar 19 2004 8" Mar 13 2004 8" | Vir 11mmT6 11mmT6 17mmAT 17mmAT 11mmT6 26mm 12x50 19mmW 25mmPL 25mmPL | M60 2012 M.M. M.M. 2011 - MANUAL SETTING CIRCLES M.M. 2010 MANUAL SETTING CIRCLES MESSIER MARATHON - 2009 B,PS,R,FNUC,R=G F,L,OVAL,NND,R=F 2004 MESSIER MARATHON - ARGONAVIS COMPUTER = ARGONAVIS | Galaxy E2 | VB,PL,R,FOF DNEB |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|---------------------------------|-------------------------------|---------------------------|
| NGC 4654 | Vir | H126-2 | Galaxy SAB(rs)cd | F,VL,PME,(D),3*NR |
| Apr 08 2005 8" | 11mmT6 | VF,ML,NND,R=F | | |
| May 22 2004 8" | 25mmPL | DECENT NIGHT - MEGASTAR CONTROL | | |
| NGC 4656 | CVn | H176-1 | Galaxy SB(s)m pec | PB,L,VME34,SP OF 2 |
| May 04 2005 8" | 11mmT6 | VF,ML,EL,EON,NND,R=F | | |
| NGC 4660 | Vir | H71-2 | Galaxy E: | VB,S,VSVMBMN |
| Apr 13 2005 8" | 11mmT6 | MF,VS,OVAL,NND,R=G | | |
| NGC 4664 | Vir | H142-1 | Galaxy SB(s)0/a | PB,2S*IN M,(=4665) |
| Apr 14 2016 12" | 11mmT6 | PF,PS,R,UB,NND,R=G | | |
| Jun 07 2010 12" | 11mmT6 | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 4665 | Vir | | Non-Existent | B,PL,IR,MBM,*10SP |
| Apr 26 2009 16" | 17mmT4 | PF,PS,OVAL,UB,NND,R=F | | |
| Apr 08 2005 8" | 11mmT6 | VB,ML,OVAL,FNUC,R=G | | |
| NGC 4666 | Vir | H15-1 | Galaxy SABc: | B,VL,ME45,PSBM |
| Apr 14 2010 16" | 11mmT6 | PF,PS,EON,FNUC,USB,R=G | | |
| Apr 26 2009 16" | 17mmT4 | PB,PS,EON,FNUC,R=G | | |
| Apr 28 2006 31" | 19mmW | VB,VL,EON,BNUC,VHISB,R=G | | |
| May 22 2004 8" | 25mmPL | DECENT NIGHT - MEGASTAR CONTROL | | |
| NGC 4667 | Vir | | Non-Existent | B,S,R,PSBM,() |
| Apr 20 2018 12" | 11mmT6 | | | |
| NGC 4684 | Vir | H181-2 | Galaxy SB(r)0+ | B,PL,PME25 |
| Apr 14 2010 16" | 11mmT6 | PF,PS,OVAL,VEXT,UB,NND,R=F | | |
| NGC 4689 | Com | H128-2 | Galaxy SA(rs)bc | PB,VL,E,VGLBM,R |
| May 04 2005 8" | 11mmT6 | MF,ML,R,NND,R=F | | |
| NGC 4691 | Vir | H182-2 | Galaxy (R)SB(s)0/a pec | PB,PL,E90,MBM |
| Apr 09 2008 8" | 11mmT6 | PF,PS,R,FNUC,MSB,R=G | | |
| NGC 4693 | Dra | H906-3 | Galaxy Sd | VF,PLE |
| Feb 23 2006 31" | 17mmT4 | MB,ML,EON,UB,NND,R=G | | |
| NGC 4697 | Vir | H39-1 | Galaxy E6 | VB,L,LE45,SMBMN |
| Apr 28 2006 31" | 19mmW | CB,VL,OVAL,VBNUC,VHISB,R=G | | |
| Apr 14 2004 8" | 25mmPL | CLEAR NIGHT - MEGASTAR CONTROL | | |
| NGC 4698 | Vir | H8-1 | Galaxy SA(s)ab | CB,PL,IR,BM,R |
| Apr 13 2005 8" | 11mmT6 | MB,ML,EON,FNUC,MSB,R=G | | |
| NGC 4699 | Vir | H129-1 | Galaxy SAB(rs)b | VB,R,VMBMRN,R |
| Apr 28 2006 31" | 19mmW | CB,CL,OVAL,BNUC,HISB,R=G | | |
| Apr 16 2004 8" | 25mmPL | CLEAR - PALM PILOT DIRECTED | | |

Observations Listing by Catalog Number

| | | | | |
|---|--|---|----------------------------|------------------------------|
| NGC 4700 May 18 2014 18" | Vir 8mm Ds | H524-3 PF,PS,EON,FNUC,R=F,PA=48 | Galaxy SB(s)c? sp | F,L,ME40,VLBM,B*P |
| NGC 4701 May 18 2014 18" | Vir 8mm Ds | H578-2 PF,PS,OVAL,UB,NND,R=F | Galaxy SA(s)cd | F,S |
| NGC 4703 May 18 2014 18" | Vir 8mm Ds | H514-3 PF,PS,EON,FNUC,R=G,PA=153 | Galaxy Sb sp | EF,CS,PME |
| NGC 4705 May 18 2014 18" | Vir 8mm Ds | H610-3 PF,PS,OVAL,UB,NND,R=F | Galaxy SAB(s)bc: sp | CF,PL,LE |
| NGC 4708 May 18 2014 18" | Vir 8mm Ds | H722-3 PF,PS,OVAL,UB,NND,R=F, MEGASTAR SAYS 14.5 MAG. | Galaxy SA(r)ab pec? | EF,S |
| NGC 4713 May 18 2014 18" | Vir 8mm Ds | H140-1 PF,PS,OVAL,FNUC,R=F | Galaxy SAB(rs)d | PB,L,VLE,GLBM |
| NGC 4716 May 18 2014 18" | Vir 8mm Ds | H514-3 PF,PS,OVAL,UB,NND,R=F, PAIRED W/NGC-4717 | Galaxy S0^ pec? | DNEB,NPBRIGHTER\$SMBM |
| NGC 4717 May 18 2014 18" | Vir 8mm Ds | H514-3 VF,PS,OVAL,MEXDT,UB,NND,R=F,PAIRED W/NGC-4716 | Galaxy SB(rs)a pec? | DNEB SF ONE FAINTER |
| NGC 4725 May 17 2005 31" | Com 11mmT6 | H611-3 PB,PL,OVAL,FNUC,MSB,R=G | Galaxy SAB(r)ab pec | VB,VL,E,VG,VSVMBMEBN |
| NGC 4731 May 22 2004 8" | Vir 25mmPL | H41-1 DECENT NIGHT - MEGASTAR CONTROL | Galaxy SB(s)cd | VF,PL,E |
| NGC 4736 Mar 16 2012 18" Mar 01 2011 12" Mar 08 2010 12" Mar 20 2009 16" Mar 08 2007 1.9" Mar 26 2006 8" Mar 19 2004 8" Dec 30 2003 8" | CVn 17mmAT 17mmAT 26mm 26mm 12x50 19mmW 25mmPL 25mmPL | M94 2012 M.M. M.M. 2011 - MANUAL SETTING CIRCLES M.M. 2010 MANUAL SETTING CIRCLES MESSIER MARATHON - 2009 PF,S,R,NND,R=F PB,S,OVAL,BNUC,HISB,R=G 2004 MESSIER MARATHON - ARGO NAVIS H/M COLD | Galaxy (R)SA(r)ab | VB,L,IR,VSVMBMBN,R |
| NGC 4739 May 14 2007 31" | Vir 17mmT4 | H515-3 DIFF,PF,PL,R,NND,R=F | Galaxy E+ pec: | F,PL,LE,PGLBM |
| NGC 4742 Apr 13 2005 8" | Vir 11mmT6 | H133-1 MF,MS,EL,FNUC,R=F | Galaxy E4: | PB,VS,VBMN=*11,*10SF |
| NGC 4749 Feb 23 2006 31" | Dra 17mmT4 | H907-3 MB,ML,EON,UB,NND,R=G | Galaxy Sb? sp | VF,CL,E135 |

Observations Listing by Catalog Number

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|--|-------------------------------|--|---------------------------|-----------------------------|
| NGC 4750 Feb 23 2006 31" | Dra 17mmT4 | H78-4 VB,VL,R,BNUC,HISB,R=G | Galaxy (R)SA(rs)ab | PB,L,R,VG,VSBM |
| NGC 4753 Apr 28 2006 31" May 22 2004 8" | Vir 19mmW 25mmPL | H16-1 CB,CL,OVAL,BNUC,MSB,R=G DECENT NIGHT - MEGASTAR CONTROL | Galaxy I0 | CB,L,VLE,VGLBM |
| NGC 4754 Apr 28 2006 31" Apr 14 2004 8" | Vir 19mmW 25mmPL | H25-1 CB,CL,OVAL,UB,FNUC,MSB,R=G CLEAR NIGHT - MEGASTAR CONTROL | Galaxy SB(r)0-: | B,PL,R,PSBM,P OF 2 |
| NGC 4756 Sep 15 2004 8" | Crv 7.5mmW | H281-3 EF,PATCH,NND,AV,R=F, MAG=13.0 | Galaxy SAB(s)0^? | VF,PS,RESOLVABLE |
| NGC 4759B May 18 2007 31" | Vir 17mmT4 | Non-Existent CB,PL,R,BNUC,HISB,R=E | | |
| NGC 4760 Apr 13 2005 8" | Vir 11mmT6 | Galaxy E0? VF,ML,OVAL,NND,AV,R=F | | PB,R |
| NGC 4761 May 18 2007 31" | Vir 17mmT4 | Galaxy E+ CB,PL,OVAL,BNUC,HISB,R=E | | EF,ES,1'F DNEB4759 |
| NGC 4762 Apr 28 2006 31" Apr 14 2004 8" | Vir 19mmW 25mmPL | H75-2 CB,VL,EON,BNUC,VHISB,R=G CLEAR NIGHT - MEGASTAR CONTROL | Galaxy SB(r)0^? sp | PB,VME31,3B*S,F OF 2 |
| NGC 4764 May 18 2007 31" | Vir 17mmT4 | Galaxy S? PB,PS,OVAL,NND,MSB,R=G | | EF,ES,SF DNEB 4759 |
| NGC 4772 Apr 08 2005 8" | Vir 11mmT6 | H24-2 VB,VS,EL,NND,R=F | Galaxy SA(s)a | PF,PS,R,MBM |
| NGC 4775 Apr 14 2016 12" | Vir 11mmT6 | H186-2 VF,PS,R,UB,NND,R=F | Galaxy SA(s)d | F,CL,R,VGLBM,R |
| NGC 4778 May 18 2007 31" | Vir 17mmT4 | Galaxy S0+ sp CB,PL,R,BNUC,HISB,R=E | | VF,S,R,VLBM,F OFDNEB |
| NGC 4781 Apr 13 2005 8" | Vir 11mmT6 | H134-1 MF,ML,EL,NND,R=F | Galaxy SB(rs)d | CB,VL,ME |
| NGC 4800 Mar 29 2006 8" | CVn 11mmT6 | H211-1 PF,PS,R,NND,R=F | Galaxy SA(rs)b | PB,CS,R,PSBM,*14P |
| NGC 4809 May 18 2007 31" | Vir 17mmT4 | Galaxy Im pec CF,PL,EON,NND,R=F | | F,DNEB W/4810 |

Observations Listing by Catalog Number

| | | | | |
|--|--|--|------------------------------|-----------------------------|
| NGC 4810 May 18 2007 31" | Vir 17mmT4 | H383-2 PF,PS,OVAL,NND,R=F | Galaxy Im pec | F,DNEB W/4809 |
| NGC 4816 May 18 2009 31" | Com 17mmT4 | H383-2 PB,PS,OVAL,BNUC,MHISB,R=G | Galaxy S0-: | VF,PL |
| NGC 4818 May 22 2004 8" | Vir 25mmPL | H549-2 DECENT NIGHT - MEGASTAR CONTROL | Galaxy SAB(rs)ab pec: | PB,L,PME0,GBM |
| NGC 4824 May 18 2009 31" | Com 17mmT4 | H383-2 PF,CS,R,UB,NND,R=F | Galaxy SA0 | VF,VS |
| NGC 4826 May 14 2017 12" Sep 19 2014 12" Mar 16 2012 18" Mar 16 2012 18" Mar 01 2011 12" Mar 08 2010 12" Mar 20 2009 16" Mar 10 2007 1.9" Mar 26 2006 8" Mar 19 2004 8" Mar 13 2004 8" | Com M64 11mmT6 17mmAT 17mmAT 17mmAT 17mmAT 11mmT6 26mm 12x50 19mmW 25mmPL 25mmPL | M64 R=E PF,L,OVAL,FNUC,R=F, HOME - 8/14/14 2012 M.M. 2012 M.M. M.M. 2011 - MANUAL SETTING CIRCLES M.M. 2010 MANUAL SETTING CIRCLES MESSIER MARATHON - 2009 B,PL,OVAL,NND,R=G PB,PL,EL,OVAL,BNUC,R=G 2004 MESSIER MARATHON - ARGO NAVIS COMPUTER = ARGO NAVIS | Galaxy (R)SA(rs)ab | VB,VL,VME120,BMSBN |
| NGC 4845 May 04 2005 8" | Vir 11mmT6 | H536-2 MF,MS,EL,EON,FNUC,R=G | Galaxy SA(s)ab sp | PF,PL,PME,VGBM,*NF |
| NGC 4856 Apr 28 2006 31" Apr 16 2004 8" | Vir 19mmW 25mmPL | H68-1 CB,CL,EL,EON,BNUC,MSB,R=G CLEAR - PALM PILOT DIRECTED | Galaxy SB(s)0/a | B,R,PSMBM,*13NP |
| NGC 4857 Feb 23 2006 31" | Dra 17mmT4 | H908-3 PB,FL,OVAL,FNUC,MSB,R=G | Galaxy SABb | EF,VS,IR,VLBM |
| NGC 4861 Apr 06 2010 12" | CVn 11mmT6 | H30-4 PF,PS,EON,NND,AV,R=F | Galaxy SB(s)m: | VF,PL,VME30,BET2ST |
| NGC 4866 Apr 28 2006 31" May 22 2004 8" | Vir 19mmW 25mmPL | H162-1 CN.VL,EON,BNUC,MSB,R=G DECENT NIGHT - MEGASTAR CONTROL | Galaxy SA(r)0+: sp | B,PL,ME90,SBMN,S*INV |
| NGC 4874 Apr 18 2012 18" | Com 8.8 ES | H389-2 PF,PS,R,UB,NND,R=F | Galaxy E+0 | F,4869\$72 P |
| NGC 4880 Apr 09 2008 8" | Vir 11mmT6 | H83-3 VF,CS,R,NND,LSB,AV,R=F | Galaxy SA(r)0+: | CF,PL,R,VGLBM,R |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|---------------------------------|----------------------------|----------------------------|
| NGC 4889 | Com | H391-2 | Non-Existent | PB,PME,BM,*7N |
| Apr 18 2012 18" | 8.8 ES | PF,PS,R,MEXT,UB,NND,R=F | | |
| Apr 13 2005 8" | 7.5mmW | VF,VS,NND,AV,R=F | | |
| NGC 4900 | Vir | H143-1 | Galaxy SB(rs)c | CB,CE,*10ATT POS135 |
| Apr 28 2006 31" | 19mmW | FB,PL,R,UB,NND,R=F | | |
| NGC 4902 | Vir | H69-1 | Galaxy SB(r)b | PB,PL,IR,ST NR |
| Apr 09 2008 8" | 11mmT6 | VF,CS,R,NND,LSB,AV,R=F | | |
| May 22 2004 8" | 25mmPL | DECENT NIGHT - MEGASTAR CONTROL | | |
| NGC 4904 | Vir | H517-2 | Galaxy SB(s)cd | PB,PS,R,BM |
| Apr 09 2008 8" | 11mmT6 | VF,CS,R,NND,AV,R=F | | |
| NGC 4914 | CVn | H645-2 | Galaxy E | PB,CS,R,SMBM,*17NP |
| Mar 26 2009 16" | 17mmT4 | PF,PS,OVAL,FNUC,R=F | | |
| NGC 4915 | Vir | H47-4 | Galaxy E0 | PB,S,R,BM |
| Apr 09 2008 8" | 11mmT6 | VF,VS,R,NND,AV,R=F | | |
| NGC 4928 | Vir | H190-2 | Galaxy SA(s)bc pec | F,PS,VLE,GLBM |
| Apr 09 2008 8" | 11mmT6 | VF,PL,OVAL,NND,LSB,R=F | | |
| NGC 4931 | Com | | Galaxy S0 sp | F,S |
| Apr 13 2005 8" | 11mmT6 | VB,ML,OVAL,FNUC,MSB,R=G | | |
| NGC 4933A | Vir | | Galaxy S0/a pec | |
| May 18 2007 31" | 17mmT4 | CB,PL,OVAL,BNUC,HISB,R=G | | |
| NGC 4933B | Vir | | Galaxy E pec | |
| May 18 2007 31" | 17mmT4 | PB,PS,OVAL,FNUC,MSB,R=G | | |
| NGC 4939 | Vir | H561-2 | Galaxy SA(s)bc | PB,L,R,GMBM |
| Apr 09 2008 8" | 11mmT6 | DIFF,VF,PL,OVAL,NND,LSB,R=F | | |
| May 22 2004 8" | 25mmPL | DECENT NIGHT - MEGASTAR CONTROL | | |
| NGC 4941 | Vir | H40-1 | Galaxy (R)SAB(r)ab: | PF,L,E,GBMBN,R |
| Apr 09 2008 8" | 11mmT6 | PF,CS,EL,OVAL,UB,NND,R=F | | |
| NGC 4956 | CVn | H413-2 | Galaxy S0 | PB,CS,R,SMBM |
| Mar 28 2011 12" | 7mm TV | PF,CS,R,FNUC,R=F | | |
| NGC 4958 | Vir | H130-1 | Galaxy SB(r)0? sp | VB,PS,E,BMBN |
| Apr 28 2006 31" | 19mmW | CB,P,EON,BNUC,HISB,R=G | | |
| May 22 2004 8" | 25mmPL | DECENT NIGHT - MEGASTAR CONTROL | | |
| NGC 4981 | Vir | H189-2 | Galaxy SAB(r)bc | B,PL,R,*10SF1' |
| Apr 09 2008 8" | 11mmT6 | PF,CS,R,NND,LSB,R=F | | |

Observations Listing by Catalog Number

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|--|--|--|----------------------------|----------------------------|
| NGC 4984 Apr 09 2008 8" | Vir 11mmT6 | H301-2 PB,PS,OVAL,FNUC,MSB,R=G | Galaxy (R)SAB(rs)0+ | B,PL,R,PSMBM |
| NGC 4995 Apr 28 2006 31" May 22 2004 8" | Vir 19mmW 25mmPL | H42-1 PB,CL,OVAL,FNUC,MSB,R=F DECENT NIGHT - MEGASTAR CONTROL | Galaxy SAB(rs)b | PB,PL,R,VGPMBM,*8NP |
| NGC 4999 Apr 09 2008 8" | Vir 11mmT6 | H537-2 DIFF,VF,PS,OVAL,NND,AV,R=F | Galaxy SB(r)b | CF,PL,R,LBM,ER |
| NGC 5005 Apr 06 2010 12" Apr 26 2006 8" Apr 16 2004 8" | CVn 11mmT6 11mmT6 25mmPL | H96-1 PB,PS,EON,BNUC,R=G PB,PL,EON,BNUC,R=G CLEAR - MEGASTAR CONTROL | Galaxy SAB(rs)bc | VB,VL,VME66,VSBMN |
| NGC 5012 Apr 16 2009 16" | Com 17mmT4 | H85-1 PF,PS,OVAL,UB,NND,R=F | Galaxy SAB(rs)c | PF,CL,E17,BIN,*9F |
| NGC 5018 Apr 09 2008 8" May 22 2004 8" | Vir 11mmT6 25mmPL | H746-2 PB,PS,OVAL,FNUC,R=G DECENT NIGHT - MEGASTAR CONTROL | Galaxy E3: | CB,S,R,MBMPBN |
| NGC 5020 Apr 09 2008 8" | Vir 11mmT6 | H129-2 PF,PS,R,FNUC,LSB,R=G | Galaxy SAB(rs)bc | CF,CL,VLE,LBM |
| NGC 5022 May 30 2014 18" | Vir 8mm Ds | Galaxy SBb pec sp PF,PS,EON,UB,NND,R=F,PA=21 | | VF,PL,E30,GBM,F5018 |
| NGC 5023 Mar 28 2011 12" | CVn 7mm TV | H664-2 PF,PS,EON,UB,NND,R=F,PA=90 | Galaxy Scd: sp | PF,L,ME20,VLBM |
| NGC 5024 May 30 2016 12" Mar 16 2012 18" Mar 01 2011 12" Mar 08 2010 12" Mar 20 2009 16" Mar 10 2007 1.9" Mar 26 2006 8" Mar 19 2004 8" | Com 8mm Et 17mmAT 17mmAT 11mmT6 26mm 12x50 19mmW 25mmPL | M53 FMSMR=G. RESOLVED OUTER STARS 2012 M.M. M.M. 2011 - MANUAL SETTING CIRCLES M.M. 2010 MANUAL SETTING CIRCLES MESSIER MARATHON - 2009 PB,PL,R=G,COMPRESSED PB,L,HSB,R=G, DENSE 2004 MESSIER MARATHON - ARGO NAVIS | Globular | GCL,B,VC,IR,VVMBM, |
| NGC 5033 Apr 06 2010 12" Apr 26 2006 8" Apr 16 2004 8" | CVn 11mmT6 11mmT6 25mmPL | H97-1 PF,PS,EXT,OVAL,UB,NND,R=F B,L,EON,ND,R=F CLEAR - MEGASTAR CONTROL | Galaxy SA(s)c | VB,PL,E167,SMBMVBN |
| NGC 5037 Apr 09 2008 8" | Vir 11mmT6 | H510-2 VF,VS,EON,NND,AV,R=F | Galaxy SA(s)a: | CF,PS,VLE,BM |

Observations Listing by Catalog Number

| | | | | |
|--|--|---|--------------------------|------------------------------|
| NGC 5044 Apr 09 2008 8" | Vir 11mmT6 | H511-2 PF,CS,R,FNUC,MSB,R=G | Galaxy E0 | PB,PL,R,BM |
| NGC 5053 May 30 2016 12" Mar 10 2007 1.9" May 12 2005 31" | Com 8mm Et 12x50 19mmW | H7-6 VF,S,R=F PB,PL,R=G,COMPRESSED FAINT,OVAL,R=F | Globular | CL,VF,PL,IR,VGBM,*15 |
| NGC 5054 Apr 28 2006 31" | Vir 19mmW | H513-2 CB,PL,OVAL,UB,NND,R=F | Galaxy SA(s)bc | F,PS,IR |
| NGC 5055 May 14 2017 12" Mar 16 2012 18" Mar 01 2011 12" Mar 08 2010 12" Mar 20 2009 16" Mar 10 2007 1.9" Mar 26 2006 8" Mar 19 2004 8" Dec 30 2003 8" | CVn 11mmT6 17mmAT 17mmAT 26mm 26mm 12x50 19mmW 25mmPL 25mmPL | M63 R=E 2012 M.M. M.M. 2011 - MANUAL SETTING CIRCLES M.M. 2010 MANUAL SETTING CIRCLES MESSIER MARATHON - 2009 F,FL,OVAL,NND,R=G PB,PL,EON,BNUC,HISB,R=G 2004 MESSIER MARATHON - ARGO NAVIS H/M COLD | Galaxy SA(rs)bc | VB,L,PME120,VSMBMBN |
| NGC 5056 Apr 16 2009 16" | Com 17mmT4 | H306-3 VF,PS,OVAL,UB,NND,AV,R=F | Galaxy Scd: | CF,CS,R,SP OF 2 |
| NGC 5061 Mar 01 2011 12" | Hya 11mmT6 | H138-1 PF,PS,R,BNUC,R=G | Galaxy E0 | VB,S,R,VSMBM,*10F |
| NGC 5068 Apr 26 2009 16" Apr 09 2008 8" Jun 23 2004 8" | Vir 11mmT6 11mmT6 25mmPL | H312-2 PF,PL,R,UB,NND,R=F DIFF,VF,PL,R,NND,AV,R=F QUARTER MOON, LEFT @1:30AM. | Galaxy SAB(rs)cd | F,L,IR,BM |
| NGC 5077 Apr 09 2008 8" | Vir 11mmT6 | H193-2 PF,PS,OVAL,UB,FNUC,R=G | Galaxy E3-4 | PB,S,VLE,SBM,2ND OF 3 |
| NGC 5078 Mar 01 2011 12" | Hya 11mmT6 | H566-2 CF,PS,OVAL,MEXT,UB,NND,R=F | Galaxy SA(s)a: sp | PB,PS,CE,PSBM,*7,8F |
| NGC 5084 Apr 09 2008 8" | Vir 11mmT6 | H313-2 PF,PL,EON,UB,FNUC,R=G | Galaxy S0 sp | CB,CS,VLE90,BF |
| NGC 5087 Apr 09 2008 8" | Vir 11mmT6 | H724-3 PF,PS,OVAL,FNUC,MSB,R=G | Galaxy SA0: | CF,VS,IF |
| NGC 5103 Mar 28 2011 12" | CVn 7mm TV | H665-2 PF,VS,OVAL,UB,NND,R=F | Galaxy S? | PB,CS,E |

Observations Listing by Catalog Number

| | | | | |
|------------------------------------|----------------------|---|---------------------------|----------------------------|
| NGC 5112 Apr 06 2010 12" | CVn 11mmT6 | H646-2 DIFF,PF,PS,OVAL,NND,R=P | Galaxy SB(rs)cd | F,L,IR,VGLBM |
| NGC 5127 Apr 06 2010 12" | CVn 11mmT6 | H328-2 DIFF,PF,PS,OVAL,NND,R=P | Galaxy E pec | PB,PL,R,GMBM,**P |
| NGC 5128 Mar 21 2009 31" | Cen 17mmT4 | DIFF,VL,VF,NND,LSB,R=F | Galaxy S0 pec | VB,VL,VME122,BIFID |
| NGC 5129 Apr 09 2008 8" | Vir 11mmT6 | H653-2 PF,PS,R,NND,AV,R=F | Galaxy E | PB,VS,R,GMBM,**F |
| NGC 5134 Apr 09 2008 8" | Vir 11mmT6 | H314-2 VF,VS,OVAL,NND,AV,R=F | Galaxy SA(s)b? | F,PS,LE,VGBM |
| NGC 5144 Sep 02 2016 12" | UMi 8mm Et | H70-4 VF,VS,OCAL,UB,NND,R=F | Galaxy SAc? pec | (PLN),CB,S,R,G,SLBM |
| NGC 5145 Apr 06 2010 12" | CVn 11mmT6 | H667-2 PF,CS,OVA,UB,NND,R=F | Galaxy S? | PB,VS,VLE,GLBM |
| NGC 5146 Apr 06 2010 12" | Vir 11mmT6 | H115-3 CF,CS,R,UB,NND,R=F | Galaxy E/S0 | VF,VS,STELLAR |
| NGC 5173 Apr 06 2010 12" | CVn 11mmT6 | H672-3 VF,VS,OVAL,NND,AV,R=P | Galaxy E0: | F,VS,R,STELLAR |
| NGC 5194 Apr 20 2018 12" | CVn 11mmT6 | M51 | Galaxy SA(s)bc pec | GREAT SPIRAL NEBULA |
| May 14 2017 12" | 11mmT6 | B,S,R,BNUC,R=E. SOME STRUCTURE NOTED IN ARMS | | |
| Apr 14 2016 12" | 8mm Ds | R,S,R,FNUC,R=G,FAINT STRUCTURE NOTED | | |
| Aug 21 2015 12" | 11mmT6 | MOON WAS 7 DAYS OLD. NOT THE BEST FOR GALAXIES. | | |
| Jul 15 2015 12" | 17mmT4 | JUST CRUSIN' | | |
| May 23 2015 12" | 8mm Ds | CAN JUST SEE SPIRAL STRUCTURE | | |
| Sep 19 2014 12" | 17mmAT | 5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14 | | |
| May 30 2014 36" | 17mmT4 | GREAT VIEW. SPIRAL STRUCTURE NOTED. | | |
| May 30 2014 18" | 8mm Ds | MORE DETAIL THAN THE 36". M51 AT ZENITH. | | |
| Jul 13 2013 18" | 7mm TV | MORE EYE CANDY - WHIRLPOOL GALAXY | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Jul 04 2011 12" | 7mm TV | SUPERNOVE SEEN, REMARKABLE ARM STRUCTURE, R=GREAT | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Jan 11 2007 1.9" | 12x50 | VB,PL,OVAL,BNUC,R=G | | |
| Mar 26 2006 8" | 19mmW | VB,PL,OVAL,BNUC,R=G | | |
| Apr 08 2005 31" | 28mm | VB,VL,OVAL,BNUC,R=E!! | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Dec 30 2003 8" | 25mmPL | H/M COLD | | |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|--|---------------------------|-----------------------------|
| NGC 5195 | CVn | H186-1 | Galaxy I0 pec | B,PS,LE,VGBM,INV-M51 |
| Apr 20 2018 12" | 11mmT6 | | | |
| Apr 14 2016 12" | 8mm Ds | F,PS,R,UB,NND,R=F,COULD NOT SEE LINK TO M51 | | |
| Aug 21 2015 12" | 17mmT4 | | | |
| May 23 2015 12" | 8mm Ds | COMPANION TO M51 | | |
| May 30 2014 36" | 17mmT4 | GREAT VIEW. | | |
| May 30 2014 18" | 8mm Ds | MORE DETAIL THAN THE 36". AT ZENITH | | |
| Jul 13 2013 18" | 7mm TV | MORE EYE CANDY - MAYTAG GALAXY | | |
| Apr 26 2006 8" | 11mmT6 | PB,L,OVAL,FNUC,MSB,R=G | | |
| Apr 16 2004 8" | 25mmPL | CLEAR - MEGASTAR CONTROL | | |
| NGC 5198 | CVn | H689-2 | Galaxy E1-2: | PF,PS,R,MBM |
| Apr 06 2010 12" | 11mmT6 | PF,CS,R,UB,NND,R=F | | |
| NGC 5204 | UMa | H63-4 | Galaxy SA(s)m | PB,CL,IR,GMBM,R |
| Mar 01 2011 12" | 11mmT6 | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 5221 | Vir | H86-3 | Galaxy Sb: | VF,S,VLE,1ST OF 3 |
| May 23 2012 18" | 8.8 ES | PF,PS,EON,FNUC,MSB,R=F,PA=120 | | |
| NGC 5222 | Vir | H85-3 | Galaxy E | CF,S,R,BM,2ND OF 3 |
| May 23 2012 18" | 8.8 ES | VF,CS,OVAL,MEXT,UB,,NND,AV2,R=F,PA=50 | | |
| NGC 5230 | Vir | H87-3 | Galaxy SA(s)c | F,L,E,VGBM,3RD OF 3 |
| May 23 2012 18" | 8.8 ES | PF,PS,R,UB,NND,R=F | | |
| NGC 5236 | Hya | M83 | Galaxy SAB(s)c | VB,VL,E55,ESBMN,SPIR |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 11mmT6 | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Mar 27 2006 8" | 19mmW | DIFF,F,L,OVAL,,NND,R=F | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| NGC 5247 | Vir | H297-2 | Galaxy SA(s)bc | CF,VL,VG,PSMBMLN, |
| May 22 2004 8" | 25mmPL | DECENT NIGHT - MEGASTAR CONTROL | | |
| NGC 5248 | Boo | H34-1 | Galaxy SAB(rs)bc | B,L,E150,PSBMRN |
| Jul 01 2016 12" | 8mm Et | MB,ML,OVAL, FNUC,R=G | | |
| May 04 2005 8" | 11mmT6 | MB,ML,OVAL,FNUC,R=G | | |
| NGC 5257 | Vir | H895-2 | Galaxy SAB(s)b pec | VF,S,R,BM,P OF DNEB |
| May 23 2012 18" | 8.8 ES | PF,CS,OVAL,MEXT,FNUC,R=G,PA=135, PAIRED WITH NGC-5258, NO INTERATION VISIBLE | | |
| NGC 5258 | Vir | H896-2 | Galaxy SA(s)b: pec | F,S,IR,F OF DNEB |
| May 23 2012 18" | 8.8 ES | PF,PS,OVAL,MEXT,FNUC,R=G,PA=45, PAIRED W/NGC-5257, NO INTERATION VISIBLE | | |

Observations Listing by Catalog Number

| NGC | 5272 | CVn | M3 | Globular | GCL,EB,VL,VSMBM,*11. |
|------------|-------------|------------|---------------|---|------------------------------|
| | Apr 20 2018 | 12" | 11mmT6 | | |
| | May 14 2017 | 12" | 17mmT4 | NICE OBJECT. FIRST GLOBULAR OF THE SEASON | |
| | Aug 07 2016 | 12" | 8mm Et | BRIGHT,SMALL,R=G | |
| | May 30 2016 | 12" | 8mm Et | B,L,R=G. VERY NICE | |
| | May 23 2015 | 12" | 8mm Ds | GOOD SHOW | |
| | Sep 19 2014 | 12" | 17mmAT | B,L,R=F, HOME - 8-14-14 | |
| | Mar 16 2012 | 18" | 17mmAT | 2012 M.M. | |
| | Mar 01 2011 | 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | |
| | Mar 08 2010 | 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | |
| | Mar 20 2009 | 16" | 26mm | MESSIER MARATHON - 2009 | |
| | Jul 21 2007 | 1.9" | 12x50 | PB,S,R=G, SAME FOV AS C/2006-VZ13 | |
| | Mar 10 2007 | 1.9" | 12x50 | F,PS,R=F | |
| | Mar 26 2006 | 8" | 19mmW | PB,PL,R,HSB,R=G | |
| | Apr 04 2005 | 8" | 11mmT6 | LARGE, BRIGHT & ROUND!!! | |
| | Aug 14 2004 | 8" | 11mmT6 | LARGER THAN I THOUGHT | |
| | Apr 05 2004 | 8" | 25mmPL | FULLMOON - **MEGASTAR CONTROL** | |
| | Mar 19 2004 | 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | |
| | Mar 13 2004 | 8" | 25mmPL | COMPUTER = ARGO NAVIS | |
| NGC | 5273 | CVn | H98-1 | Galaxy SA(s)0^ | CB,PL,R,G,PSMBM |
| | Mar 29 2006 | 8" | 11mmT6 | PF,PS,R,NND,AV,R=F | |
| NGC | 5293 | Boo | H6-5 | Galaxy SA(r)c | EF,VL,RESOLVABLE |
| | Jul 05 2016 | 12" | 8mm Et | VF,VS,OVAL,MEXT,UB,NND,R=F | |
| NGC | 5295 | Cam | H946-3 | Galaxy | VF,VS,R |
| | May 25 2014 | 18" | 8mm Ds | VF,VS,R,NND,AV3,R=P | |
| NGC | 5308 | UMa | H255-1 | Galaxy S0- sp | B,PL,ME57,PSMBEN |
| | Mar 01 2011 | 12" | 11mmT6 | PF,CS,EON,FNUC,R=G | |
| NGC | 5322 | UMa | H256-1 | Galaxy E3-4 | VB,PL,IR,PSMBM |
| | Mar 18 2007 | 8" | 11mmT6 | PB,L,OVAL,FNUC,HISB,R=G | |
| NGC | 5332 | Boo | | Galaxy S0-: | VF,S,R |
| | Jul 05 2016 | 12" | 8mm Et | VF,VS,R,UB,NND,R=F | |
| NGC | 5350 | CVn | H713-2 | Galaxy SB(r)b | CF,PL,BM,*7P,1ST OF 4 |
| | May 12 2005 | 31" | 19mmW | VB,ML,OVAL,FNUC,MSB,R=G | |
| NGC | 5353 | CVn | H714-2 | Galaxy S0 sp | PB,S,R,2ND OF 4 |
| | May 12 2005 | 31" | 19mmW | VB,ML,OVAL,BNUC,PHISB,R=G | |
| NGC | 5354 | CVn | H715-2 | Galaxy S0 sp | PF,S,R,3RD OF 4 |
| | May 12 2005 | 31" | 19mmW | VB,ML,OVAL,BNUC,R=G | |
| NGC | 5355 | CVn | H699-3 | Galaxy S0? | VF,PS,4TH OF 4 |
| | May 12 2005 | 31" | 19mmW | MB,ML,EL,OVAL,FNUC,R=G | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|---|------------------------------|-----------------------------|
| NGC 5358 | CVn | | Galaxy S0/a | VF,VS,R,2VF*INV |
| May 12 2005 31" | 19mmW | MB,FS,EL,OVALFNUC,R=G | | |
| NGC 5363 | Vir | H6-1 | Galaxy I0? | B,PL,R,PSBM,*8NF |
| Apr 14 2016 12" | 11mmT6 | PF,PS,OVAL,UB,NND,R=F | | |
| Apr 28 2006 31" | 19mmW | PB,S,R,FNUC,MSB,R=G | | |
| May 22 2004 8" | 25mmPL | DECENT NIGHT - MEGASTAR CONTROL | | |
| NGC 5364 | Vir | H534-2 | Galaxy SA(rs)bc pec | CF,L,R,GBM |
| Apr 28 2006 31" | 19mmW | B,CS,R,NND,R=F | | |
| May 22 2004 8" | 25mmPL | DECENT NIGHT - MEGASTAR CONTROL | | |
| NGC 5371 | CVn | H716-2 | Galaxy SBbc | PB,L,R,BMFn |
| May 12 2005 31" | 19mmW | MB,ML,OVAL,BNUC,HISB,R=G | | |
| NGC 5383 | CVn | H181-1 | Galaxy (R')SB(rs)b: p | CB,CL,R,GBM |
| Mar 28 2011 12" | 7mm TV | PF,PS,R,FNUC,R=G | | |
| NGC 5414 | Boo | | Galaxy S? | S,F*CENTRE,*10,11NF |
| Jul 05 2016 12" | 8mm Et | VF,VS,R,UB,NND,R=F | | |
| NGC 5416 | Boo | H56-3 | Galaxy Scd: | EF,VS,E,R |
| Jul 05 2016 12" | 8mm Et | VF,VS,R,UB,NND,R=F | | |
| NGC 5417 | Boo | H11-3 | Galaxy Sa | CF,S,R,PSBM,*P |
| Jul 05 2016 12" | 7mm TV | PF,PS,OVAL,MEXT,UB,NND,R=F | | |
| NGC 5423 | Boo | | Galaxy S0-: | VF,R,*IN CENTRE |
| Jul 05 2016 12" | 7mm TV | VF,PS,OVAL,UB,NND,R=F | | |
| NGC 5426 | Vir | H309-2 | Galaxy SA(s)c pec | PF,CL,R,GMBM,SP OF 2 |
| May 30 2016 12" | 8mm Ds | VF,VS,OVAL,NND,R=F. PAIRED W/NGC-5427 | | |
| May 23 2012 18" | 8.8 ES | PB,PS,OVAL,FNUC,MSB,R=G,PA=5, PAIRED WITH NGC-5427 | | |
| Apr 09 2008 8" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 5427 | Vir | H310-2 | Galaxy SA(s)c pec | PF,CL,R,NF OF 2 |
| May 30 2016 12" | 8mm Ds | VF,VS,OVAL,NND,R=F. PAIRED W/NGC-5426 | | |
| May 23 2012 18" | 8.8 ES | PF,PL,OVAL,MEXT,FNUC,R=G, PA=90, PAIRED WITH NGC-5426 | | |
| NGC 5430 | UMa | H827-2 | Galaxy SB(s)b | PB,S,IE,MBM |
| Mar 01 2011 12" | 11mmT6 | CF,CS,OVAL,MEXT,UB,NND,R=F | | |
| NGC 5434A | Boo | | Non-Existent | |
| Jul 05 2016 12" | 7mm TV | VVF,VS,EON,UB,NND,R=F,AV2 | | |
| NGC 5434B | Boo | | Galaxy Sc | |
| Jul 05 2016 12" | 7mm TV | VVF,VS,EON,UB,NND,R=F,AV2 | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|--|--------------------------|------------------------------|
| NGC 5440 | CVn | H416-2 | Galaxy Sa | PF,CS,LE,BM,*11SP |
| Mar 28 2011 12" | 7mm TV | PF,PS,OVAL,VEXT,FNUC,R=G | | |
| NGC 5443 | UMa | H799-2 | Galaxy SB(s)b? | PF,L,E |
| Mar 01 2011 12" | 11mmT6 | VF,CS,OVAL,PEXT,UB,NND,AV,R=F | | |
| NGC 5444 | CVn | H417-2 | Galaxy E+: | PB,PL,IVLE,VSMBM |
| Mar 28 2011 12" | 7mm TV | DIFF,CF,PS,OVAL,MEXT,UB,R=F | | |
| NGC 5445 | CVn | H413-3 | Galaxy S0? | F,*13P |
| Mar 28 2011 12" | 7mm TV | CF,CS,OVAL,VEXT,UB,NND,R=F | | |
| NGC 5447 | UMa | H787-3 | Knot in Galaxy | PB,S,R,GMBM,CONNM101 |
| Mar 01 2011 12" | 11mmT6 | BRIGHT SPOT SW SIDE OF - KNOT IN GALAXY | | |
| NGC 5448 | UMa | H691-2 | Galaxy (R)SAB(r)a | PB,CL,VME90,SMBMN |
| Mar 01 2011 12" | 11mmT6 | VF,CS,OVAL,MEXT,UB,NND,R=F | | |
| NGC 5457 | UMa | M101 | Galaxy SAB(rs)cd | PB,VL,IR,G,VSMBMBSN 4 |
| Jul 15 2015 12" | 17mmT4 | | | |
| Sep 19 2014 12" | 17mmAT | 5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14 | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Aug 20 2006 1.9" | 12x50 | F,S,OVAL,NND,R=F | | |
| Mar 26 2006 8" | 19mmW | F,L,OVAL,NND,R=F | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Mar 13 2004 8" | 25mmPL | COMPUTER = ARGO NAVIS | | |
| Mar 10 2004 8" | 25mmPL | N/M, NO COMPUTER | | |
| NGC 5462 | UMa | H789-3 | Knot in Galaxy | PB,PL,IR,GBM,CONM101 |
| Mar 01 2011 12" | 11mmT6 | BRIGHT SPOT SE SIDE - KNOT IN GALAXY | | |
| NGC 5466 | Boo | H9-6 | Globular | CL,L,VRI,VMC,ST11... |
| May 30 2016 12" | 8mm Et | VF,S,R=G | | |
| May 04 2005 8" | 11mmT6 | VF,R,R=F | | |
| NGC 5473 | UMa | H231-1 | Galaxy SAB(s)0-: | PB,S,R,GBM |
| Sep 19 2014 12" | 17mmAT | 5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14 | | |
| Mar 18 2007 8" | 11mmT6 | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 5474 | UMa | H214-1 | Galaxy S(c) | PB,L,BM |
| Mar 18 2007 8" | 11mmT6 | VF,PS,R,NND,AV,R=F | | |
| NGC 5480 | UMa | H692-2 | Galaxy SA(s)c: | F,PS,VGBM,NP OF 2 |
| Apr 16 2009 16" | 17mmT4 | PF,PS,R,UB,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|--|--------------------------------|--|-------------------------|-----------------------------|
| NGC 5481 Apr 16 2009 16" | UMa 17mmT4 | H693-2 PF,PS,R,UB,NND,R=F | Galaxy E+ | F,VS,SMBM,STELL,SF-2 |
| NGC 5485 Mar 18 2007 8" | UMa 11mmT6 | H232-1 PF,PS,R,NND,AV,R=F | Galaxy SA0 pec | CB,R,VGBM,F OF 2 |
| NGC 5490 May 21 2009 16" | Boo 11mmT6 | H32-3 PF,PS,OVAL,UB,NND,R=F | Galaxy E | CF,CS,R,SBMF** |
| NGC 5490C May 22 2006 31" May 22 2006 31" | Boo 19mmW 19mmW | Boo PB,PS,OVAL,FNUC,R=G F,CS,OVAL,NND,R=F | Galaxy SB(s)bc | |
| NGC 5492 Jun 03 2005 31" | Boo 11mmT6 | H876-2 MB,ML,EL,EON,NND,R=G | Galaxy Sb pec? | PB,VS,E |
| NGC 5493 May 19 2010 12" | Vir 7.5mmW | H46-4 PF,CS,OVAL,MEXT,BNUC,R=G | Galaxy S0 pec sp | PB,VS,R,PSMBM*,*18IN |
| NGC 5497 May 22 2006 31" | Boo 19mmW | Boo F,S,OVL,NND,R=F | Galaxy SB(s)b | EF,S,R,LBM |
| NGC 5504A Jul 05 2016 12" | Boo 7mm TV | Boo PF,VS,OVAL,UB,NND,R=F | Non-Existent | |
| NGC 5506 May 19 2010 12" | Vir 7.5mmW | H687-2 DIFF,CF,PS,EON,NND,R=F | Galaxy Sa pec sp | PB,L,E20,LBM |
| NGC 5507 May 19 2010 12" | Vir 7.5mmW | H49-4 PF,CS,OVAL,MEXT,FNUC,MR=G | Galaxy SAB(r)0^ | CF,S,R,STELLAR |
| NGC 5509 Jun 03 2005 31" | Boo 11mmT6 | Boo MB,VS,OVAL,NND,R=F | Galaxy E/S0 | VF,S,R,STELLAR NUCL |
| NGC 5513 Jun 03 2005 31" | Boo 11mmT6 | H877-2 MB,MS,EL,FNUC,MSB,R=G | Galaxy S0 | PB,PL,IR |
| NGC 5515 Jul 05 2016 12" | Boo 7mm TV | H685-3 VF,VS,OVAL,UB,NND,AV,R=F | Galaxy Sab | VF,S,VLE |
| NGC 5520 Apr 29 2011 12" May 21 2009 16" | Boo 7mm TV 11mmT6 | H676-3 PF,PS,OVAL,MEXT,FNUC,R=F PF,PS,OVAL,UB,NND,R=F | Galaxy Sb | F,S,LE,STELLAR |
| NGC 5523 May 21 2009 16" | Boo 11mmT6 | H134-3 PF,PS,EON,UB,NND,R=F | Galaxy SA(s)cd: | F,PL,PME90,*10NP |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|--|-------------------------------|-----------------------------|
| NGC 5529 | Boo | H414-3 | Galaxy Sc: sp | CF,PL,VME110,VGVMBM |
| Apr 26 2009 16" | 11mmT6 | CF,CS,EON,UB,NND,R=F | | |
| May 13 2007 8" | 11mmT6 | VF,PS,EON,NND,AV,R=F | | |
| NGC 5532A | Boo | | Non-Existent | |
| Jul 05 2016 12" | 8mm Et | VF,VS,FNUC,R=F,PAIRED W/NGC-5532B | | |
| NGC 5532B | Boo | | Galaxy S0 | |
| Jul 05 2016 12" | 8mm Et | VF,VS,OVAL,UB,NND,R=F,PAIRED W/NGC-5532A | | |
| NGC 5533 | Boo | H418-2 | Galaxy SA(rs)ab | PB,R,VSMBM,20R3*INV |
| Apr 26 2009 16" | 11mmT6 | PF,PS,EL,OVAL,FNUC,R=F | | |
| May 13 2007 8" | 11mmT6 | PF,PS,OVAL,NND,R=F | | |
| NGC 5534 | Vir | | Galaxy (R')SAB(s)ab p: | PF,ST INV,*12NP |
| May 18 2014 18" | 8mm Ds | PF,PS,OVAL,FNUC,R=F | | |
| NGC 5536 | Boo | H731-3 | Galaxy SBa | CF,VS,R,SP OF 2 |
| May 22 2006 31" | 19mmW | PB,CS,R,NND,R=G | | |
| NGC 5541 | Boo | H732-3 | Galaxy S? | CF,S,R,GBM,NF OF 2 |
| May 22 2006 31" | 19mmW | CB,PL,OVAL,FNUC,R=G | | |
| NGC 5548 | Boo | H194-2 | Galaxy (R')SA(s)0/a | CF,PS,R,VSVMBM* |
| May 13 2007 8" | 11mmT6 | PF,PS,R,NND,R=F | | |
| NGC 5549 | Vir | H552-3 | Galaxy S0 | VF,VS,R |
| May 18 2014 18" | 8mm Ds | PF,PS,OVAL,MET,FNUC,R=F | | |
| NGC 5557 | Boo | H99-1 | Galaxy E1 | CB,S,R,VSBM* |
| Mar 29 2006 8" | 11mmT6 | F,S,R,FNUC,R=F | | |
| NGC 5559 | Boo | H347-3 | Galaxy SBb | VF,S,VLE,BM |
| May 04 2005 8" | 11mmT6 | MB,MS,OVAL,FNUC,R=G | | |
| NGC 5560 | Vir | H579-2 | Galaxy SB(s)b pec | PF,CL,E,GBM |
| May 30 2016 12" | 8mm Ds | PF,PS,VEXT,NND,R=G | | |
| May 23 2012 18" | 8.8 ES | PB,PS,EON,FNUC,HSB,R=F,PA=150 | | |
| Apr 28 2006 31" | 19mmW | B,PL,EON,UB,NND,R=F | | |
| NGC 5566 | Vir | H144-1 | Galaxy SB(r)ab | B,PL,R,PSBM,R,*F1.5' |
| May 30 2016 12" | 8mm Ds | PF,PS,PEXT,FNUC,R=G | | |
| May 23 2012 18" | 8.8 ES | PB,PS,OVAL,PEXT,BNUC,R=G, PAIRED WITH NGC-5569 | | |
| Apr 28 2006 31" | 19mmW | CB,CL,EON,BNUC,HISB,R=G | | |
| May 22 2004 8" | 25mmPL | DECENT NIGHT - MEGASTAR CONTROL | | |
| NGC 5569 | Vir | | Galaxy SAB(rs)cd: | EF,PL,R |
| May 30 2016 12" | 8mm Ds | VF,VS,R,NND,R=F | | |
| May 23 2012 18" | 8.8 ES | PF,PS,OVAL,MEXT,UB,NND,AV1,R=F, PAIRED WITH NGC-5566 | | |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|----------------------------|-------------------------|------------------------------|
| NGC 5574 | Vir | H145-1 | Galaxy SB0:-? sp | PF,PS,LE,P OF 2 |
| May 30 2016 12" | 7mm TV | PF,PS,OVAL,NND,R=F | | |
| Apr 28 2006 31" | 19mmW | F,CL,OVAL,UB,NND,R=F | | |
| NGC 5576 | Vir | H146-1 | Galaxy E3 | B,S,R,VSMBM,F OF 2 |
| May 30 2016 12" | 7mm TV | F,PS,OVAL,MEXT,FNUC,R=F | | |
| Apr 28 2006 31" | 19mmW | B,L,OVALBNUC,HISB,R=G | | |
| NGC 5577 | Vir | | Galaxy SA(rs)bc: | PF,PL,VME53 |
| May 30 2016 12" | 8mm Ds | VF,PS,EON,UB,NND,AV1,R=F | | |
| NGC 5580 | Boo | | Galaxy SABcd | PB,S,F OF 2 |
| Jul 01 2016 12" | 8mm Et | PF,PS,OVAL,NND,R=F | | |
| NGC 5582 | Boo | H754-2 | Galaxy E | PB,PS,R,BMFn,*SP |
| Apr 29 2011 12" | 7mm TV | PF,PS,OVAL,BNUC,R=G,PA=95 | | |
| May 21 2009 16" | 11mmT6 | PF,PS,EL,OVAL,NND,R=F | | |
| NGC 5585 | UMa | H235-1 | Galaxy SAB(s)d | PF,L,IR,VGMBM,R |
| Mar 01 2011 12" | 11mmT6 | CF,PS,OVAL,MEXT,UB,NND,R=F | | |
| NGC 5587 | Boo | H110-3 | Galaxy S0/a | F,CS,VLE,*8SF |
| Apr 29 2011 12" | 7mm TV | PF,PS,OVAL,VEXT,UB,NND,R=F | | |
| NGC 5590 | Boo | H417-3 | Galaxy S0 | CF,S,R,BM*,SF OF 2 |
| Apr 26 2009 16" | 11mmT6 | CF,CS,R,UB,NND,R=F | | |
| NGC 5595 | Lib | H121-3 | Galaxy SAB(rs)c | F,PL,R,VGBM,P OF 2 |
| May 28 2006 31" | 19mmW | PF,PS,OVA,NND,R=F | | |
| NGC 5597 | Lib | H122-3 | Galaxy SAB(s)cd | VF,L,VLE,VGLBM,F OF 2 |
| May 28 2006 31" | 19mmW | F,S,OVA,NND,R=F | | |
| NGC 5598 | Boo | H733-3 | Galaxy S0 | F,VS,R,BM |
| May 22 2006 31" | 19mmW | PB,PL,OVAL,NND,R=G | | |
| NGC 5599 | Vir | H927-3 | Galaxy Sb | F,S,LE |
| Apr 28 2006 31" | 19mmW | F,PS,EON,NND,R=F | | |
| NGC 5600 | Boo | H177-2 | Galaxy Sc pec | PB,PS,GBM |
| Jul 01 2016 12" | 8mm Et | PF,PS,OVAL,UB,NND,R=F | | |
| Aug 03 2008 8" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 5602 | Boo | H694-2 | Galaxy Sa | PF,PS,LE,MBM |
| May 21 2009 16" | 11mmT6 | CF,PS,OVAL,NND,R=F | | |
| NGC 5603 | Boo | H734-3 | Galaxy S0 | CF,PS,R,GBM |
| May 22 2006 31" | 19mmW | F,PL,R,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|--|---|---|-------------------------------|-----------------------------|
| NGC 5605 May 28 2006 31" | Lib 19mmW | H120-3 CF,PS,OVAL,NND,R=F | Galaxy (R')SAB(rs)c p: | VF,PL,R,VGBM |
| NGC 5611 Jul 01 2016 12" | Boo 8mm Et | VF,VS,OVAL,UB,NND,R=F | Galaxy S0 | F,S,R,BM |
| NGC 5613 Jun 05 2011 31" | Boo 17mmT4 | CF,CS,OVAL,MEXT,UB,NND,R=F | Galaxy (R)SAB(r)0+ | EF,PS,DIF,2'N OF5614 |
| NGC 5614 Jun 05 2011 31" Apr 26 2009 16" Aug 03 2008 8" | Boo 17mmT4 11mmT6 11mmT6 | H420-2 PF,PS,R,BNUC,R=G CF,CS,OVAL,UB,NND,R=F VF,VS,R,NND,AV,R=F | Galaxy SA(r)ab pec | PB,S,R,SMBM |
| NGC 5618 Apr 28 2006 31" | Vir 19mmW | H763-3 PF,PS,OVAL,NND,R=F | Galaxy SB(rs)c | EF,S |
| NGC 5619 Apr 28 2006 31" | Vir 19mmW | PF,PS,EL,OVAL,FNUC,R=F | Galaxy SAB(rs)b | VF,S,R,VGBM |
| NGC 5623 Jul 01 2016 12" | Boo 8mm Et | H329-2 VF,VS,OVAL,UB,NND,R=F | Galaxy E | CF,S,R,VSMBM,R |
| NGC 5630 Jul 05 2016 12" | Boo 7mm TV | H674-2 PF,PS,OVAL,UB,NND,R=F | Galaxy Sdm: | F,S,E90,GBM |
| NGC 5631 Mar 18 2007 8" | UMa 11mmT6 | H236-1 CF,CS,R,NND,R=F | Galaxy SA(s)0^ | B,S,R,PSBMN |
| NGC 5633 Jul 01 2016 12" | Boo 8mm Et | H185-1 PF,PS,OVAL,UB,NND,R=F | Galaxy (R)SA(rs)b | CB,PS,R,PGLBM |
| NGC 5634 May 30 2016 12" Apr 14 2016 12" Apr 28 2006 31" Jun 23 2004 8" | Vir 8mm Et 11mmT6 19mmW 25mmPL | H70-1 F,S,R=F SURPRISE IN VIRGO. PB,CL,R,R=G, CAN'T RESOLVE STARTS. VIII QUARTER MOON, LEFT @1:30AM. | Globular | GCL,VB,CL,R,GBM,RRR |
| NGC 5635 Jul 05 2016 12" | Boo 7mm TV | H132-3 VF,PS,OVAL,MEXT,UB,NND,R=F | Galaxy S pec | F,S,E,SBM |
| NGC 5636 May 19 2010 12" | Vir 7.5mmW | H580-2 VF,CS,OVAL,UB,NND,R=F | Galaxy SAB(r)0+ | EF,CL,R,NP OF 2 |
| NGC 5638 May 19 2010 12" | Vir 7.5mmW | H581-2 PF,PS,R,UB,NND,R=F | Galaxy E1 | CB,PL,R,SF OF 2 |
| NGC 5640 May 25 2014 18" | Cam 8mm Ds | H949-3 VF,VS,R,UB,NND,AV3,R=P | Galaxy Ia | EF,S,LE |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|------------------------------------|---------------------------------|------------------------|
| NGC 5646 | Boo | | Galaxy SBb: | EF,E SPNF,45"L |
| Jun 05 2011 31" | 17mmT4 | F,S,OVAL,PEXT,UB,NND,R=F,PA=170, | MAG 10 STAR AT SOUTHERN TIP | |
| NGC 5652 | Vir | H891-2 | Non-Existent | PB,PL,VLE,BM |
| Apr 28 2006 31" | 19mmW | F,S,OVAL,UB,NND,R=F | | |
| NGC 5653 | Boo | H330-2 | Galaxy (R')SA(rs)b | PF,PS,R,BM |
| Aug 03 2008 8" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 5656 | Boo | H421-2 | Galaxy Sab | PF,PL,R,MBM,R |
| Jun 05 2011 31" | 17mmT4 | PF,PS,R,BNUC,HSB,R=G, | POSSIBLE ARM SRUCTURE DETECTED. | |
| NGC 5660 | Boo | H695-2 | Galaxy SAB(rs)c | PB,L,IR,VGBM |
| May 21 2009 16" | 11mmT6 | PB,PL,OVAL,FNC,R=F | | |
| May 22 2004 8" | 25mmPL | DECENT NIGHT - MEGASTAR CONTROL | | |
| NGC 5661 | Vir | H892-2 | Galaxy SBb: | VF,PS,IE |
| Apr 29 2006 31" | 19mmW | CF,PS,EON,NND,R=F | | |
| NGC 5663 | Lib | | Galaxy SA0-: | EF,VS,R,GLBM |
| May 28 2006 31" | 19mmW | CF,CS,R,NND,R=F | | |
| NGC 5664 | Lib | | Galaxy Sa | PF,S,E,GBM |
| Apr 14 2016 12" | 11mmT6 | VF,PS,OVAL,UB,NND,R=G | | |
| May 28 2006 31" | 19mmW | PF,PS,OVAL,NND,R=F | | |
| NGC 5667 | Dra | H807-2 | Galaxy Scd: pec | PB,PS,E0 |
| Aug 15 2015 12" | 8mm Ds | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 5668 | Vir | H574-2 | Galaxy SA(s)d | F,PS,VLE,*14INV |
| May 19 2010 12" | 7.5mmW | DIFF,CF,PS,R,UB,NND,R=F | | |
| NGC 5675 | Boo | H422-2 | Galaxy S? | F,PS,E,BM |
| Jun 05 2011 31" | 17mmT4 | F,S,OVAL,VEXT,FNUC,HSB,R=F,PA=40 | | |
| NGC 5676 | Boo | H189-1 | Galaxy SA(rs)bc | B,L,E45,PGBM,R |
| Apr 26 2006 8" | 11mmT6 | F,L,EL,OVAL,NND,R=F | | |
| May 22 2004 8" | 25mmPL | DECENT NIGHT - MEGASTAR CONTROL | | |
| NGC 5678 | Dra | H237-1 | Galaxy SAB(rs)b | B,L,LE0,VGMBM |
| Aug 06 2010 12" | 7mm TV | PF,PS,OVAL,UB,MSB,R=F | | |
| NGC 5679A | Vir | | Galaxy Sc | |
| May 23 2012 18" | 8.8 ES | PF,PS,OVAL,MEXT,UB,NND,R=F, PA=45 | | |
| Apr 29 2006 31" | 19mmW | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 5679B | Vir | | Non-Existent | |
| May 23 2012 18" | 8.8 ES | PF,PS,OVAL,MEXT,UB,NND,R=F, PA=145 | | |
| Apr 29 2006 31" | 19mmW | VF,VS,OVAL,NND,AV,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|---|--------------------------------|--|----------------------------|-----------------------------|
| NGC 5684 Jun 05 2011 31" | Boo 17mmT4 | H421-3 PF,PS,R,FNUC,R=F | Galaxy S0 | F,CS,R,BM,P OF 2 |
| NGC 5686 Jun 05 2011 31" | Boo 17mmT4 | H421-3 PF,CS,R,FNUC,R=F | Galaxy Sa | VF,S,R,F OF 2 |
| NGC 5687 Aug 03 2008 8" | Boo 11mmT6 | H808-2 VF,VS,OVAL,NND,AV,R=F | Galaxy S0-? | PF,S,IF,RESOLVA,*10F |
| NGC 5689 May 04 2005 8" | Boo 11mmT6 | H188-1 MB,ML,EL,FNUC,R=G | Galaxy SB(s)0/a: | CB,PL,E87,PSMBM |
| NGC 5694 Apr 13 2005 8" | Hya 7.5mmW | H196-2 VS,VF,R,R=F | Globular | CB,CS,R,PSBM,R,*9SP |
| NGC 5695 Jun 05 2011 31" | Boo 17mmT4 | H423-2 PF,CS,R,BNUC,R=F,DETECTED KNOT ON WEST SIDE. | Galaxy S? | PB,CS,R,BM,R |
| NGC 5701 May 30 2016 12" Apr 29 2006 31" | Vir 8mm Ds 19mmW | H575-2 PF,PS,R,UB,NND,R=F CB,S,R,FNUC,MSB,R=F | Galaxy (R)SB(rs)0/a | CB,PS,R,MBM,*11P15S |
| NGC 5716 May 28 2006 31" | Lib 19mmW | H671-3 CF,PS,OVAL,NND,R=F | Galaxy SB(rs)c? | VF,PL,R |
| NGC 5718 May 23 2012 18" Apr 18 2012 18" | Vir 8.8 ES 11mmT6 | H550-3 CF,PS,OVAL,MEXT,UB,NND,AV2,R=F PB,PS,EON,FNUC,HSB,R=G, PA=60 | Galaxy S0-: | VF,S,R,VGLBM,*8,9NF |
| NGC 5726 May 28 2006 31" | Lib 19mmW | H508-3 CF,CS,OVAL,NND,R=F | Galaxy S0- pec sp | F,S,R,GBM,*10.5NP3' |
| NGC 5728 Jun 19 2004 8" | Lib 25mmPL | H184-1 GOOD NIGHT - MEGASTAR | Galaxy SAB(r)a: | PF,PL,PME45,MBM,*10S |
| NGC 5729 May 28 2006 31" | Lib 19mmW | H508-3 PF,PS,EON,NND,R=F | Galaxy Sb pec: | F,PL,E,R |
| NGC 5734 May 28 2006 31" | Lib 19mmW | H508-3 F,CS,OVAL,NND,R=F | Galaxy S0^ pec sp | VF,S,LE,GLBM |
| NGC 5741 May 28 2006 31" | Lib 19mmW | H508-3 PF,S,R,NND,R=F | Galaxy E | VF,VS,R,SBMN |
| NGC 5742 May 28 2006 31" | Lib 19mmW | H508-3 PF,S,EON,NND,R=F | Galaxy SB(r)0^? | F,PS,PME,GBMN |
| NGC 5743 May 28 2006 31" | Lib 19mmW | H508-3 CF,CS,OVAL,NND,R=F | Galaxy Sb: | F,S,ME,SMBMN |

Observations Listing by Catalog Number

| | | | | |
|------------------------------------|--|---------------|------------------------------|----------------------------|
| NGC 5744 May 29 2006 31" | Lib 19mmW PF,CS,R,NND,R=F | | Galaxy (R')SB(rs)d: | EF,VS,(NEB) |
| NGC 5745 May 29 2006 31" | Lib 19mmW CF,S,OVA,NND,R=F | | Galaxy Sa pec sp | VF,S,E,PSLBM |
| NGC 5746 May 04 2005 8" | Vir 11mmT6 VB,VL,EL,EON,FNUC,R=G | H126-1 | Galaxy SAB(rs)b? sp | B,L,VME170,BMBN |
| NGC 5750 May 19 2010 12" | Vir 7.5mmW CF,PS,OVAL,UB,NND,R=F | H183-1 | Galaxy SB(r)0/a | PF,PS,VLE,R |
| NGC 5753 Jun 05 2011 31" | Boo 17mmT4 PF,PS,R,FNUC,HSB,R=G | | Galaxy | F,BM,NP5754 |
| NGC 5754 Jun 05 2011 31" | Boo 17mmT4 PF,S,R,FNUC,HSB,R=G | H687-3 | Galaxy SB(rs)b | CF,CS,R,BM |
| NGC 5756 May 29 2006 31" | Lib 19mmW F,PS,EON,NND,R=F | | Galaxy (R')SB(s)bc p | PB,PL,PME,GPMBM |
| NGC 5757 May 29 2006 31" | Lib 19mmW F,PS,OVAL,NND,R=F | H690-3 | Galaxy (R)SB(r)b | VF,S,IR,LBM |
| NGC 5761 May 29 2006 31" | Lib 19mmW PF,S,R,NND,R=F | | Galaxy S0^ pec: | VF,S,R,GLBMN |
| NGC 5766 May 29 2006 31" | Lib 19mmW CF,CS,OVAL,NND,R=F | | Galaxy SAB(s)bc: | EF,PS,R,GBM |
| NGC 5768 May 29 2006 31" | Lib 19mmW F,PS,OVAL,NND,R=F | H373-3 | Galaxy SA(rs)c: | F,R,BMFN,S*S |
| NGC 5772 Jun 05 2011 31" | Boo 17mmT4 PF,PS,OVAL,PEXT,FNUC,HSB,R=G,PA=120 | | Galaxy SA(r)b: | PB,PL,LE,PSLBM,*8NP |
| NGC 5774 May 19 2010 12" | Vir 7.5mmW DIFF,CF,PS,R,UB,NND,R=F | | Galaxy SAB(rs)d | PF,PL,R,NP OF 2 |
| NGC 5775 May 19 2010 12" | Vir 7.5mmW PF,PS,EON,UB,NND,R=F | H554-3 | Galaxy SBc? sp | F,PS,VME148,GVLBM |
| NGC 5777 May 23 2012 18" | Dra 11mmT6 PF,PS,EON,UB,NND,R=F, PA=100 | H806-3 | Galaxy Sb | VF,VS,LE |
| NGC 5781 May 29 2006 31" | Lib 19mmW F,PS,EL,OVAL,NND,R=F | | Galaxy (R')SBb pec sp | F,S,R,BM,*16SP |

Observations Listing by Catalog Number

| | | | | |
|--|--------------------------------|--|--------------------------|-----------------------------|
| NGC 5791 Jul 03 2005 8" | Lib 11mmT6 | H691-3 VF,VS,EL,NND,AV,R=F | Galaxy E6: | PF,S,R,STELLAR |
| NGC 5792 Jul 03 2005 8" | Lib 11mmT6 | H683-2 VF,VS,EON,NND,R=F | Galaxy SB(rs)b | PB,PL,R,MBM,*8,9NP1' |
| NGC 5793 May 29 2006 31" | Lib 19mmW | F,PS,EON,NND,R=F | Galaxy Sb: sp | EF,PS,E,BMN |
| NGC 5796 May 29 2006 31" | Lib 19mmW | PB,S,OVAL,FNUC,R=G | Galaxy E0-1 | F,PS*INCENTRE |
| NGC 5806 May 19 2010 12" | Vir 7.5mmW | H539-2 PF,PS,OVAL,MEXT,FNUC,R=F | Galaxy SAB(s)b | CB,CL,E165,SBMN |
| NGC 5809 Jul 06 2010 12" | Lib 7.5mmW | EF,VS,OVAL,PEXT,UB,NND,AV,R=P | Galaxy S0/a: sp | VF,S,E,GLBM |
| NGC 5810 Jul 06 2010 12" | Lib 7.5mmW | VF,CS,OVAL,MEXT,UB,NND,R=F | Galaxy SB(rs)b: | EF,VS,LE230,BET 2VF* |
| NGC 5812 May 18 2014 18" Mar 18 2007 8" | Lib 8mm Ds 11mmT6 | H71-1 PF,PS,R,FNUC,R=F PF,PS,OVAL,NND,R=F | Galaxy E0 | CB,S,R,SVMBM |
| NGC 5813 Apr 09 2008 8" | Vir 11mmT6 | H127-1 PF,PS,OVAL,FNUC,MSB,R=G | Galaxy E1-2 | B,PS,R,PSMBM |
| NGC 5816 May 18 2014 18" | Lib 8mm Ds | PF,PS,OVAL,UB,NND,R=F | Galaxy | F,PS,GBMN,STELLAR |
| NGC 5817 May 18 2014 18" | Lib 8mm Ds | VF,VS,R,UB,NND,AV2,R=P | Galaxy S0 | VF,PS |
| NGC 5824 Jul 01 2016 12" | Lup 8mm Et | B,S,R=G, CANNOT RESOLVE STARS | Globular | PB,S,STELL,N |
| NGC 5831 May 19 2010 12" | Vir 7.5mmW | H540-2 CF,CS,OVAL,MEXT,UB,NND,R=F | Galaxy E3 | PB,S,MBM |
| NGC 5832 Sep 02 2016 12" | UMi 8mm Et | H332-2 VF,PS,OVAL,AV1,R=P | Galaxy SB(rs)b? | PB,CL,IR,BP,R |
| NGC 5838 May 19 2010 12" | Vir 7.5mmW | H542-2 PF,PS,EON,FNUC,MUSB,R=F | Galaxy SA0- | PB,PS |
| NGC 5839 May 19 2010 12" | Vir 7.5mmW | H541-2 CF,VS,R,FNUC,R=F | Galaxy SAB(rs)0^: | PF,PS |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|------------------------------------|----------------------------|-----------------------------|
| NGC 5846 | Vir | H128-1 | Galaxy E0-1 | VB,PL,R,PSBMN,F*INVS |
| May 19 2010 12" | 7.5mmW | PF,PS,R,FNUC,R=G | | |
| Apr 28 2006 31" | 19mmW | CB,CL,R,FNUC,R=G | | |
| Jun 23 2004 8" | 25mmPL | QUARTER MOON, LEFT @1:30AM. | | |
| NGC 5846A | Vir | | Galaxy cE2-3 | |
| Apr 28 2006 31" | 19mmW | PF,PS,OVAL,NND,R=F | | |
| NGC 5849 | Lib | | Galaxy S0 | *13INVF NEB,3*P1S |
| May 18 2014 18" | 8mm Ds | VF,VS,R,UB,NND,AV1,R=P | | |
| NGC 5850 | Vir | H543-2 | Galaxy SB(r)b | CF,S,LE,PSBM |
| May 19 2010 12" | 7.5mmW | DIFF,CF,PS,R,UB,NND,R=F | | |
| NGC 5854 | Vir | H544-2 | Galaxy SB(s)0+ sp | PB,S,VLE,LBM,AM ST |
| May 19 2010 12" | 7.5mmW | PF,PS,EON,FNUC,R=F | | |
| NGC 5858 | Lib | | Galaxy E6: | F,S,STELLN,5861SF |
| Jul 06 2010 12" | 7.5mmW | VF,VS,R,UB,NND,AV,R=F | | |
| NGC 5861 | Lib | H192-2 | Galaxy SAB(rs)c | F,L,E,R |
| Jun 07 2010 12" | 9mm | DIFF,CF,PS,OVAL,MEXT,NND,AV,R=P | | |
| May 19 2010 12" | 7.5mmW | DIFF,CF,PS,OVAL,UB,NND,AV,R=F | | |
| NGC 5863 | Lib | | Galaxy (R')SAB(rs)a | *12IN EFNEB,S,R |
| Jul 06 2010 12" | 7.5mmW | CF,CS,OVAL,UB,NND,R=F | | |
| NGC 5864 | Vir | H585-2 | Galaxy SB(s)0^? sp | PF,CS,ILE,GBM,*14F |
| May 19 2010 12" | 7.5mmW | PF,PS,EON,UB,NND,R=F | | |
| NGC 5866 | Dra | M102 H215-1 | Galaxy SA0+ sp | VB,CL,PME146,GBM |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Mar 26 2006 8" | 19mmW | B,S,OVAL,FNUC,MSB,R=F | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| NGC 5872 | Lib | | Galaxy SAB0^: | NO DESCRIPTION |
| Jul 06 2010 12" | 7.5mmW | PF,CS,OVAL,MEXT,UB,NND,R=F | | |
| NGC 5878 | Lib | H736-3 | Galaxy SA(s)b | PB,PL,PME0,PSMBM |
| Jun 19 2004 8" | 25mmPL | GOOD NIGHT - MEGASTAR | | |
| NGC 5879 | Dra | H757-2 | Galaxy SA(rs)bc:? | CB,S,E,MBMRN,R |
| Aug 12 2010 12" | 7mm TV | PF,PS,OVAL,MEXT,UB,NND,R=F | | |
| Aug 06 2010 12" | 7mm TV | PF,PS,OVAL,VEXT,FNUC,R=G | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|-----------------------------|--------------------------------|---------------------------|
| NGC 5880 | Lib | | Galaxy E | EF,VS,R,BM,NR 5883 |
| May 18 2014 18" | 8mm Ds | VF,VS,R,UB,NND,R=F, | MEGASTAR STAYS 15.5 MAGNITUDE. | NGC/IC SAYS 14.3 MAG. |
| NGC 5883 | Lib | | Galaxy S0 | NO DESCRIPTION |
| May 18 2014 18" | 8mm Ds | VF,VS,OVAL,UB,NND, R=F | | |
| NGC 5885 | Lib | H116-3 | Galaxy SAB(r)c | F,CL,R,VGBM |
| Jul 06 2010 12" | 7.5mmW | PF,CS,R,UB,NND,R=F | | |
| NGC 5890 | Lib | | Galaxy SA(r)0+? | VF,VS,E235 |
| Jul 06 2010 12" | 7.5mmW | EF,VS,OVAL,NND,AV,R=F | | |
| NGC 5891 | Lib | | Galaxy Sbc | VF,PS,LE,GBM,*11F |
| Jul 06 2010 12" | 7.5mmW | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 5892 | Lib | | Galaxy SA(s)d | EF,L,GBM |
| Jul 06 2010 12" | 7.5mmW | VF,VS,OVAL,NND,R=F | | |
| NGC 5894 | Dra | H763-2 | Galaxy SBdm? | PF,PS,E0 |
| Aug 06 2010 12" | 7mm TV | VF,FS,PEXT,UB,NND,AV,R=F | | |
| NGC 5897 | Lib | H19-6 | Globular | GCL,PF,L,VIR,VGBM, |
| May 30 2016 12" | 8mm Ds | PF,S,R=F | | |
| Jul 21 2007 1.9" | 12x50 | PF,PS,AV,R=F | | |
| Jul 23 2006 8" | 11mmT6 | CF,PS,R,R=F | | |
| Jul 15 2006 8" | 19mmW | VF,PS,R=F, DIM, UNRESOLVED. | | |
| May 16 2004 10" | 28mm | CLEAR - MEGASTAR CONTROL | | |
| NGC 5898 | Lib | H138-3 | Galaxy E0 | F,S,R,GBM |
| Jul 06 2010 12" | 7.5mmW | F,CS,OVAL,UB,NND,AV,R=F | | |
| NGC 5899 | Boo | H650-2 | Galaxy SAB(rs)c | CB,PL,PME,SMBMN |
| Aug 03 2008 8" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 5903 | Lib | H139-3 | Galaxy E2 | CF,S,R,GPMBM |
| Jun 19 2004 8" | 25mmPL | GOOD NIGHT - MEGASTAR | | |

Observations Listing by Catalog Number

| NGC | 5904 | Ser | M5 | Globular | GCL,VB,L,ECM,*11..15 |
|------------|-------------|------------|---------------|------------------------------------|-----------------------------|
| | Jul 02 2017 | 12" | 17mmT4 | CAN RESOLVE SOME STARS. | |
| | May 30 2016 | 12" | 8mm Ds | 1ST OBJECT TONIGHT | |
| | May 23 2015 | 12" | 11mmT6 | | |
| | Mar 16 2012 | 18" | 17mmAT | 2012 M.M. | |
| | Mar 01 2011 | 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | |
| | Mar 08 2010 | 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | |
| | Mar 20 2009 | 16" | 26mm | MESSIER MARATHON - 2009 | |
| | Aug 16 2006 | 1.9" | 12x50 | B,S,R=G | |
| | Mar 27 2006 | 8" | 19mmW | B,L,R=G,DENSE, RESOLVE OUTER STARS | |
| | May 04 2005 | 8" | 11mmT6 | VB,VL,R=E!! | |
| | May 16 2004 | 10" | 28mm | CLEAR - MEGASTAR CONTROL | |
| | Mar 19 2004 | 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | |
| NGC | 5905 | Dra | H758-2 | Galaxy SB(r)b | PF,PS,IR |
| | Aug 06 2010 | 12" | 7mm TV | DIFF,PF,PS,R,UB,NND,R=F | |
| NGC | 5907 | Dra | H759-2 | Galaxy SA(s)c: sp | CB,VL,VME155,VGPSBMN |
| | Jun 07 2010 | 12" | 7.5mmW | PF,PL,EON,FNUC,FAINT BULGE,R=G | |
| | Jul 23 2006 | 8" | 11mmT6 | PF,PS,EON,VFNUC,R=F | |
| NGC | 5908 | Dra | H760-2 | Galaxy SA(s)b: sp | PF,PS,R |
| | Aug 06 2010 | 12" | 7mm TV | PF,PS,OVAL,MEXT,UB,NND,R=F | |
| NGC | 5915 | Lib | | Galaxy SB(s)ab pec | B,S,R,GLBM,P OF 2 |
| | Jul 06 2010 | 12" | 7.5mmW | PF,CS,OVAL,MEXT,UB,NND,R=F | |
| NGC | 5921 | Ser | H148-1 | Galaxy SB(r)bc | CB,CL,IR,VSBM*12,AM* |
| | May 30 2011 | 12" | 7mm TV | PF,PS,OVAL,UB,NND,R=F | |
| | Sep 05 2007 | 8" | 11mmT6 | PF,PL,OVAL,NND,R=F | |
| NGC | 5928 | Ser | H874-2 | Galaxy S0 | PB,CS,R,PSBM,*7N |
| | May 30 2011 | 12" | 7mm TV | PF,CS,R,UB,NND,R=F | |
| NGC | 5936 | Ser | H130-2 | Galaxy SB(rs)b | F,PL,IR,VGBM,R |
| | Sep 05 2007 | 8" | 11mmT6 | PF,VS,R,NND,AV,R=F | |
| NGC | 5949 | Dra | H906-2 | Galaxy SA(r)bc? | F,S,LE45,VGLBM |
| | Aug 06 2010 | 12" | 7mm TV | PF,CS,OVAL,UB,NND,R=F | |
| NGC | 5953 | Ser | H178-2 | Galaxy SAa: pec | PB,CS,P OF D NEB |
| | May 30 2011 | 12" | 7mm TV | PF,PS,R,UB,NND,R=F | |
| NGC | 5954 | Ser | H179-2 | Galaxy SAB(rs)cd: pec | PB,CS,F OF D NEB |
| | May 30 2011 | 12" | 7mm TV | PF,CS,OVAL,PEXT,UB,NND,R=F | |
| NGC | 5959 | Lib | | Galaxy E+: | VF,PS,VLE,BMN |
| | Jul 06 2010 | 12" | 7.5mmW | CF,CS,R,UB,NND,R=F | |

Observations Listing by Catalog Number

| | | | | |
|--|--|--|---------------------------|-----------------------------|
| NGC 5962 Sep 05 2007 8" | Ser 11mmT6 | H96-2 PF,PS,OVAL,NND,AV,R=F | Galaxy SA(r)c | PF,PL,ILE,GBM |
| NGC 5963 Aug 06 2010 12" | Dra 7mm TV | H761-2 PF,CS,OVAL,MEXT,UB,NND,R=F | Galaxy S pec | PF,PS,IF |
| NGC 5964 May 30 2011 12" | Ser 7mm TV | H761-2 DIFF,CF,PS,OVAL,UB,NND,R=F | Galaxy SB(rs)d | EF,VL,R,VGBM,R |
| NGC 5965 Aug 06 2010 12" | Dra 7mm TV | H762-2 CF,CS,EON,UB,NND,R=F | Galaxy Sb | CF,CL,LE |
| NGC 5970 Sep 05 2007 8" | Ser 11mmT6 | H76-2 PF,PS,OVAL,NND,AV,R=F | Galaxy SB(r)c | PF,PL,R,RR |
| NGC 5981 Aug 15 2015 12" | Dra 8mm Ds | H76-2 VF,VS,EON,UB,NND,AV1,R=P | Galaxy Sc? sp | F,ME |
| NGC 5982 Aug 15 2015 12" Apr 13 2005 8" | Dra 8mm Ds 11mmT6 | H764-2 F,PS,OVAL,FNUC,R-F VF,VS,OVAL,NND,R=F | Galaxy E3 | CB,S,R,PSBM,R |
| NGC 5985 Aug 15 2015 12" Sep 07 2005 8" Apr 13 2005 8" | Dra 8mm Ds 11mmT6 11mmT6 | H766-2 DIFF,PF,S,OVAL,UB,NND,R=F MB,ML,EL,OVAL,FNUC,MSB,R=G MB,ML,EL,OVAL,FNUC,R=G | Galaxy SAB(r)b | PB,CL,IE,R |
| NGC 5986 Jul 01 2016 12" | Lup 8mm Et | H766-2 F,S,R=F, FAINT OUTER STARS | Globular | GCL,VB,L,R,VGBM,*13. |
| NGC 5987 Aug 06 2010 12" | Dra 7mm TV | H765-2 PF,PS,OVAL,PEXT,FNUC,MSB,R=G | Galaxy Sb | PF,CS |
| NGC 5989 Aug 15 2015 12" | Dra 8mm Ds | H738-3 VF,PS,OVAL,UB,NND,R=F | Galaxy Scd? | VF,VS |
| NGC 5990 May 30 2011 12" | Ser 7mm TV | H425-2 CF,CS,OVAL,UB,NND,R=F | Galaxy (R')Sa pec? | VF,VS,R,GBM |
| NGC 5996 May 30 2011 12" | Ser 7mm TV | H97-2 PF,PS,OVAL,UB,NND,R=P | Galaxy S? | PF,CS,R,R,BET 2D* |
| NGC 6000 Jun 14 2007 8" | Sco 11mmT6 | H97-2 CF,CS,R,NND,AV,R=F | Galaxy SB(s)bc: | VF,S,R,SBM |
| NGC 6012 May 30 2011 12" | Ser 7mm TV | H657-2 PF,PS,OVAL,UB,NND,R=F | Galaxy (R)SB(r)ab: | F,BET 2B ST |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|--------------------------------------|--------------------------|-----------------------------|
| NGC 6013 | Her | | Galaxy SBb | EF,VS,IR,LBM |
| May 21 2009 16" | 11mmT6 | VF,CS,EL,OVAL,NND,AV,R=F | | |
| NGC 6015 | Dra | H739-3 | Galaxy SA(s)cd | VF,PL,R,VGBM |
| Sep 07 2005 8" | 11mmT6 | VF,VS,EL,OVAL,NND,R=F | | |
| NGC 6028 | Her | | Galaxy (R)SA0+: | VF,PS,NO NUCL |
| Jul 16 2007 31" | 17mmT4 | PF,PS,OVAL,NND,R=F | | |
| NGC 6030 | Her | | Galaxy S0^ | PF,VS,R,BM |
| Oct 17 2004 8" | 7.5mmW | VF,OVAL,NND,AV,R=F,VSMALL, 14.5MG | | |
| NGC 6032 | Her | | Galaxy SB(rs)b: | VF,PL,LE,VLBM,NP OF2 |
| Jul 16 2007 31" | 17mmT4 | PF,CS,EON,NND,R=F | | |
| NGC 6035 | Her | | Galaxy SAB(rs)c | VF,PL,LE,SF OF 2 |
| Jul 16 2007 31" | 17mmT4 | PF,PS,R,NND,R=F | | |
| NGC 6043A | Her | | Galaxy SB0 | |
| May 21 2009 16" | 11mmT6 | CF,PS,R,UB,NND,R=F | | |
| NGC 6048 | UMi | H873-2 | Galaxy E | F,R,BM |
| Sep 02 2016 12" | 8mm Et | PF,PS,OVAL,NND,R=F | | |
| NGC 6052 | Her | | Non-Existent | F,PL,IR,(=6064) |
| Sep 19 2014 18" | 8mm Ds | VF,PS,OVAL,UB,NND,R=F, WRO - 9/19/14 | | |
| NGC 6058 | Her | H637-3 | Planetary Neb 3+2 | PF,VS,R,STELLAR |
| Nov 13 2007 8" | 11mmT6 | VF,VS,AV,R=F, NO CENTRAL STAR | | |
| NGC 6060 | Her | | Galaxy SAB(rs)c | EF,E,SBM |
| Oct 17 2004 8" | 7.5mmW | MF,OVAL,FNUC,R=G, 14.3 MAG! | | |
| NGC 6068 | UMi | H973-3 | Galaxy SBbc? | VF,VS,LE0,R |
| Sep 02 2016 12" | 8mm Et | VF,VS,OVAL,NNDL,AV,R=F | | |
| NGC 6070 | Ser | H553-3 | Galaxy SA(s)cd | F,L,PME,VGBM,R |
| Sep 05 2007 8" | 11mmT6 | PF,PS,OVAL,NND,R=F | | |
| NGC 6079 | UMi | H884-3 | Galaxy E | VF,VS |
| Aug 15 2015 12" | 8mm Ds | VF,VS,OVAL,UB,NND,R=F | | |
| Aug 31 2010 12" | 7mm TV | CF,PS,OVAL,NND,R=F. PA=90 | | |
| NGC 6081 | Her | | Galaxy S0 | VF,S,R,BM |
| May 21 2009 16" | 11mmT6 | PF,PS,EON,UB,NND,R=F | | |
| NGC 6090 | Dra | | Galaxy S0? | VF,S,R |
| Aug 15 2015 12" | 8mm Ds | PF,PS,OVAL,MEXT,UB,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|--|-------------------------------|-----------------------------|
| NGC 6093 | Sco | M80 | Globular | GCL,VB,L,VMBM(VAR*) |
| Jul 01 2016 12" | 8mm Et | B,F,R=G | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 11mmT6 | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Aug 20 2006 1.9" | 12x50 | PF,S,R=F | | |
| Mar 27 2006 8" | 19mmW | VB,S,R=G,TIGHT GROUP | | |
| May 22 2004 8" | 25mmPL | DECENT NIGHT - MEGASTAR CONTROL | | |
| NGC 6106 | Her | H151-2 | Galaxy SA(s)c | F,PL,LE,VGBM,R |
| Oct 17 2004 8" | 7.5mmW | VF,EL,NND,AV,R=F | | |
| NGC 6118 | Ser | H402-2 | Galaxy SA(s)cd | VF,CL,CE45,R |
| May 30 2011 12" | 7mm TV | PF,PS,OVAL,PEXT,UB,NND,R=F | | |
| Jul 24 2006 8" | 11mmT6 | VF,PS,OVAL,NND,AV,R=F | | |
| NGC 6121 | Sco | M4 | Globular | CL,8OR1OB*LINE,RRR |
| Jul 02 2017 12" | 17mmT4 | WASHED OUT. MOON NINE DAYS OLD. | | |
| Aug 07 2016 12" | 8mm Et | BRIGHT, LARGE,R=E | | |
| May 30 2016 12" | 8mm Ds | F,L,R=G | | |
| Jul 15 2015 12" | 8mm Ds | EYE CANDY TO START | | |
| May 23 2015 12" | 11mmT6 | EYE CANDY | | |
| Sep 19 2014 12" | 17mmAT | 5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14 | | |
| Jul 13 2013 18" | 7mm TV | MORE EYE CANDY | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Jul 04 2011 12" | 17mmT4 | GOOD LOOKING | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 11mmT6 | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Aug 12 2006 1.9" | 12x50 | PF,VL,R,R=G | | |
| Mar 27 2006 8" | 19mmW | B,L,R=G,LOOSELY PACKED | | |
| Aug 14 2004 8" | 11mmT6 | | | |
| May 22 2004 8" | 25mmPL | DECENT NIGHT - MEGASTAR CONTROL | | |
| May 16 2004 10" | 28mm | CLEAR - MEGASTAR CONTROL | | |
| NGC 6124 | Sco | | Open Cluster 9.0 3 r | CL,B,L,PRI,LCM,*9.11 |
| Jun 23 2004 8" | 25mmPL | QUARTER MOON, LEFT @1:30AM. | | |
| NGC 6127 | Dra | | Non-Existent | PF,VS,R |
| Sep 05 2010 12" | 7mm TV | PF,PS,R,FNUC,R=G | | |
| NGC 6139 | Sco | | Globular | B,PL,R,PSBM,RR |
| Jul 01 2016 12" | 8mm Et | F,S,R=P, LOW ON HORIZON. | | |
| Jul 03 2005 8" | 11mmT6 | VF,VS,R,R=F | | |
| NGC 6140 | Dra | H740-3 | Galaxy SB(s)cd pec | CF,PL,IR |
| Sep 07 2005 8" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|--|--------------------------|----------------------------|
| NGC 6144 | Sco | H10-6 | Globular | CL,CL,MC,GBM,RRR |
| Jul 01 2016 12" | 8mm Et | F,L,R=G | | |
| Sep 19 2014 12" | 17mmAT | 5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14 | | |
| Jun 05 2011 12" | 17mmT4 | NICE GLOB. | | |
| Jul 03 2005 8" | 11mmT6 | VF,VS,R,AV,R=F | | |
| NGC 6146 | Her | H638-3 | Galaxy E? | CF,VS,R,BM |
| Oct 17 2004 8" | 7.5mmW | VF,EL,NND,AV,R=F | | |
| NGC 6153 | Sco | | Planetary Neb 4 | PLN,STELLAR |
| Jul 14 2010 12" | 7.5mmW | PF,CS,R,R=F, NO CENTRAL STAR OBSERVED. | | |
| NGC 6154 | Her | H680-3 | Galaxy SB(r)a | VF,S,R,LBM,ER |
| Oct 17 2004 8" | 7.5mmW | VF,EL,OVAL,NND,AV,R=F | | |
| NGC 6155 | Her | H690-2 | Galaxy S? | F,PS,IF,GBM |
| Oct 05 2016 12" | 8mm Et | PF,VS,UB,NND,R=F | | |
| Oct 17 2004 8" | 7.5mmW | VF,EON,NND,AV,R=F | | |
| NGC 6166 | Her | H875-2 | Galaxy E+2 pec | PF,S,VLE,VGMBM |
| Oct 05 2016 12" | 8mm Et | PF,PS,OVAL,MEXT,NND,R=F | | |
| Oct 17 2004 8" | 7.5mmW | VF,OVAL,NND,AV,R=F | | |
| NGC 6171 | Oph | M107 H40-6 | Globular | GCL,L,VRI,VMC,R,RRR |
| Jul 02 2017 12" | 17mmT4 | OK | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 11mmT6 | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Aug 20 2006 1.9" | 12x50 | VF,PS,AV,R=F | | |
| Mar 27 2006 8" | 19mmW | F,L,R=F, DENSE | | |
| Jun 14 2004 8" | 25mmPL | SPOTTY CLOUDS - MEGASTAR CONTROL | | |
| NGC 6173 | Her | H640-3 | Galaxy E | CF,VS,R,BM |
| Oct 17 2004 8" | 7.5mmW | VF,EL,FNUC,AV,R=F | | |
| NGC 6181 | Her | H753-2 | Galaxy SAB(rs)c | PB,PL,VLE,PGMBM |
| Oct 17 2004 8" | 7.5mmW | VF,EL,NND,AV,R=F | | |
| NGC 6186 | Her | H730-3 | Galaxy (R')SB(s)a | EF,VS,E |
| May 21 2009 16" | 11mmT6 | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 6189 | Dra | | Galaxy Scd: | VF,PS,LE |
| Sep 05 2010 12" | 7mm TV | VF,CS,OVAL,UB,NND,AV,R=F,PA=65 | | |
| NGC 6190 | Dra | | Galaxy Scd: | VF,PS,R,F*NR |
| Sep 05 2010 12" | 5.5mmN | CF,CS,R,UB,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|--|----------------------------|-----------------------------|
| NGC 6196 | Her | | Galaxy SAB0-: pec | VF,VS,STELLAR |
| Mar 18 2007 8" | 11mmT6 | VF,VS,R,NND,AV,R=F | | |
| NGC 6205 | Her | M13 | Globular | GCL,EB,VRI,VGECM,*11 |
| Apr 20 2018 12" | 11mmT6 | | | |
| Jul 02 2017 12" | 17mmT4 | LOOKED PRETTY GOOD | | |
| May 14 2017 12" | 11mmT6 | GREAT | | |
| May 30 2016 12" | 8mm Ds | B,L,R=E. OUTSTANDING | | |
| May 30 2016 12" | 8mm Et | ALWAYS GREAT | | |
| Aug 21 2015 12" | 17mmT4 | | | |
| Jul 15 2015 12" | 17mmT4 | | | |
| Oct 24 2012 8" | 11mmT6 | VERY NICE - EVEN IN 8" | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Sep 07 2006 1.9" | 12x50 | DIFF,MB,L,R=G | | |
| Mar 27 2006 8" | 19mmW | B,L,R,R=G,DENSE,RESOLVE OUTER STARS | | |
| Apr 08 2005 8" | 11mmT6 | VB,VL,ROUND,R=E!!! | | |
| Oct 31 2004 1.9" | 12x50 | BEST GLOBULAR YET, R=VG | | |
| Aug 14 2004 8" | 11mmT6 | CAN SEPARATE THE FRONT STARS | | |
| Jun 19 2004 31" | 17mmT4 | ***** AWESOME ***** | | |
| May 22 2004 8" | 25mmPL | DECENT NIGHT - MEGASTAR CONTROL | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Nov 08 2003 8" | 25mmPL | FIRST OBJECT @ WARREN RUPP OBSV. | | |
| NGC 6207 | Her | H701-2 | Galaxy SA(s)c | PB,PL,E45,VGMBM |
| Jul 16 2007 16" | 11mmT6 | PF,PS,EL.OVAL,FNUC,R=F | | |
| Mar 18 2007 8" | 11mmT6 | PF,L,OVAL,NND,R=F | | |
| Jun 03 2005 31" | 19mmW | VB,ML,OVAL,FNUC,HISB,R=G | | |
| Sep 12 2004 8" | 11mmT6 | F,S,EL, NND,AV,F | | |
| NGC 6210 | Her | | Planetary Neb 2+3b | PLN,VB,VS,R,DISC |
| Jul 07 2018 12" | 8mm Et | PBB,S,R=E. OIII FILTER. ROUND DONUT | | |
| Jun 17 2016 12" | 8mm Ds | TURTLE PLANETARY. NO CENTRAL STAR NOTED | | |
| Sep 19 2014 12" | 11mmT6 | B,VS,R=F,SITS ATOP 3-STAR TRIANGLE -N.N., HOME - 8/14/14 | | |
| Jun 19 2004 8" | 25mmPL | GOOD NIGHT - MEGASTAR | | |
| NGC 6211 | Dra | | Galaxy SB(r)0^ pec: | VF,PS,R,SP OF 2 |
| Sep 05 2010 12" | 7mm TV | PF,PS,OVAL,FNUCC,R=F,PA=95 | | |
| NGC 6212 | Her | | Galaxy S? | EF |
| Jul 16 2009 16" | 17mmT4 | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 6217 | UMi | H280-1 | Galaxy (R)SB(rs)bc | B,CL,LE,SLBM |
| Sep 02 2016 12" | 8mm Et | PF,PS,OVAL,FNUC,R=F. SQM-20.08 | | |
| Mar 18 2007 8" | 11mmT6 | VF,VS,R,NND,AV,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|---|---------------------------|-----------------------------|
| NGC 6218 | Oph | M12 | Globular | GCL,VB,VL,IR,GMBM |
| Jul 08 2018 12" | 17mmT4 | B,S,R=E | | |
| Jul 02 2017 12" | 17mmT4 | NOT AS BRIGHT AS M 10. | | |
| Jul 15 2015 12" | 17mmT4 | | | |
| May 23 2012 18" | 17mmAT | GLOBULAR CLUSTER EYE CANDY | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 11mmT6 | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Aug 12 2006 1.9" | 12x50 | PF,S,R,R=F | | |
| Mar 27 2006 8" | 19mmW | B,L,R=G,LOOSELY PACKED | | |
| May 04 2005 8" | 11mmT6 | MB,ML,R=E | | |
| May 16 2004 10" | 28mm | CLEAR - MEGASTAR CONTROL | | |
| NGC 6223 | Dra | | Galaxy Pec | F,S,R,MBM |
| Sep 05 2010 12" | 7mm TV | PF,PS,OVAL,FNUC,R=F,PA=140 | | |
| NGC 6226 | Dra | | Galaxy Pec | F,S,TRIW/2*12\$14 |
| Sep 05 2010 12" | 5.5mmN | CF,VS,OVAL,UB,NND,R=F,PA=90 | | |
| NGC 6229 | Her | H50-4 | Globular | GCL,VB,L,R,DISC,R |
| Jun 17 2016 12" | 8mm Ds | COULD NOT RESOLVE | | |
| May 30 2016 12" | 8mm Ds | B,S,R=G. NICE SPOT. | | |
| Oct 24 2012 8" | 11mmT6 | PF,PS,R=F, THIS WAS THE FAINTEST OF THE FOUR FOR THE NIGHT. | | |
| Jun 19 2004 8" | 25mmPL | GOOD NIGHT - MEGASTAR | | |
| NGC 6232 | Dra | | Galaxy (R')SB(s)a | PF,PL,LE |
| Sep 05 2010 12" | 7mm TV | CF,PS,R,UB,NND,R=F | | |
| NGC 6235 | Oph | H584-2 | Globular | PB,CL,IR,RRR,*14..16 |
| Jul 15 2006 8" | 19mmW | CF,PS,R-F,LITTLE BRIGHTER, DIM STARS | | |
| Jul 08 2004 8" | 25mmPL | VERY CLEAR NIGHT - LEFT AT 1:00AM | | |
| NGC 6236 | Dra | | Galaxy SAB(s)cd | F,PL |
| Sep 05 2010 12" | 7mm TV | VF,PS,OVAL,UB,NND,AV,R=F,PA=45 | | |
| NGC 6239 | Her | H727-3 | Galaxy SB(s)b pec? | VF,E,BIN,NPSF |
| Jul 16 2009 16" | 17mmT4 | PF,PS,EON,UB,NND,R=F | | |
| Mar 18 2007 8" | 11mmT6 | PF,L,OVAL,NND,AV,R=F | | |
| NGC 6240 | Oph | | Galaxy I0: pec | VF,PL,LE,DIF |
| Jul 03 2005 8" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 6241 | Her | H735-3 | Galaxy Sc | EF,PS |
| Jul 16 2009 16" | 17mmT4 | CF,PS,R,UB,NND,R=F | | |
| NGC 6247 | Dra | | Galaxy Pec | F,PS,IF |
| Sep 05 2010 12" | 5.5mmN | CF,CS,OVAL,MEXT,UB,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|------------------------------------|---------------------|-----------------------------|
| NGC 6251 | UMi | H974-3 | Galaxy E | CF,S,BM,P OF 2 |
| Sep 02 2016 12" | 8mm Et | VF,VS,R,NND,R=F | | |
| NGC 6254 | Oph | M10 | Globular | GCL,B,VL,R,GVMBM,RRR |
| Jul 08 2018 12" | 17mmT4 | B,S,R=E | | |
| Jul 02 2017 12" | 17mmT4 | NOT TOO BAD. | | |
| Aug 21 2015 12" | 17mmT4 | | | |
| Jul 15 2015 12" | 17mmT4 | | | |
| May 23 2012 18" | 17mmAT | GLOBULAR CLUSTER EYE CANDY | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 11mmT6 | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Aug 12 2006 1.9" | 12x50 | PF,S,R,R=F | | |
| Jul 16 2006 8" | 19mmW | PB,PL,R=G, OUTER STARS RESOLVED. | | |
| Mar 27 2006 8" | 19mmW | B,L,R=G, LOOSELY PACKED | | |
| May 16 2004 10" | 28mm | CLEAR - MEGASTAR CONTROL | | |
| NGC 6255 | Her | H689-3 | Galaxy SBcd: | EF,CL,E90 |
| Oct 17 2004 8" | 7.5mmW | MB,EL,FNUC,R=G | | |
| NGC 6256 | Sco | | Globular | GCL,VF,VL,IR,VGBM |
| Jul 01 2016 12" | 7mm TV | V,S,R=F | | |
| Aug 20 2006 8" | 7.5mmW | VF,VS,AV,R=F | | |
| NGC 6266 | Oph | M62 | Globular | GCL,VB,L,GMBM,RRR, |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Aug 16 2006 1.9" | 12x50 | B,S,R=F | | |
| Mar 27 2006 8" | 19mmW | B,S,R=G, TIGHT GROUP | | |
| Aug 14 2004 8" | 11mmT6 | | | |
| May 16 2004 10" | 28mm | CLEAR - MEGASTAR CONTROL | | |
| NGC 6269 | Her | | Galaxy E | F,S,R |
| May 21 2009 16" | 11mmT6 | PF,PL,OVAL,UB,NND,R=F | | |
| NGC 6273 | Oph | M19 | Globular | GCL,VB,L,R,VCM,RRR |
| Jul 08 2018 12" | 17mmT4 | B,S,R=E | | |
| Jul 02 2017 12" | 17mmT4 | SMUDGE. CANNOT RESOLVE ANY STARS | | |
| May 30 2016 12" | 8mm Ds | F,S,R=F. LOW ON HORIZON | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 11mmT6 | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Aug 16 2006 1.9" | 12x50 | F,S,R=F | | |
| Mar 27 2006 8" | 19mmW | B,S,R=G, TIGHT GROUP | | |
| May 16 2004 10" | 28mm | CLEAR - MEGASTAR CONTROL | | |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|-----------------------------------|------------------------------|-----------------------------|
| NGC 6278 | Her | H124-3 | Galaxy S0 | VF,STELLAR |
| May 21 2009 16" | 11mmT6 | PF,PS,EL,OVAL,FNUC,R=F | | |
| NGC 6284 | Oph | H11-6 | Globular | GCL,B,L,R,CM,ST16... |
| Jul 02 2017 12" | 17mmT4 | PF,PS,R=F. SMUDGE | | |
| May 30 2016 12" | 8mm Ds | VF,PS,R=F | | |
| Jul 15 2006 8" | 19mmW | PF,PS,R=F | | |
| Jun 14 2004 8" | 25mmPL | SPOTTY CLOUDS - MEGASTAR CONTROL | | |
| NGC 6287 | Oph | H195-2 | Globular | GCL,CB,L,R,GPMCM,RRR |
| May 30 2016 12" | 8mm Ds | VF,PS,R=F | | |
| Jul 15 2015 12" | 8mm Ds | | | |
| Jul 15 2006 8" | 19mmW | CF,PS,R=F, DIM SMUDGE, NO STARS | | |
| Jul 08 2004 8" | 25mmPL | VERY CLEAR NIGHT - LEFT AT 1:00AM | | |
| NGC 6293 | Oph | H12-6 | Globular | GCL,VB,L,R,PSBM,ST16 |
| Jul 01 2016 12" | 7mm TV | F,S,R=F,RESOLVE OUTER STARS | | |
| Jul 15 2015 12" | 8mm Ds | | | |
| Jul 15 2006 8" | 19mmW | PF,PS,R=F,FAINT STARS | | |
| Jun 23 2004 8" | 25mmPL | QUARTER MOON, LEFT @1:30AM. | | |
| NGC 6302 | Sco | | Planetary Neb 6 | PB,E PF,(SWIFT,TRIP) |
| Jul 07 2018 12" | 8mm Et | PB,S,R=E. OIII FILTER | | |
| Jul 09 2005 8" | 11mmT6 | MB,VS,R,R=G | | |
| NGC 6304 | Oph | H147-1 | Globular | GCL,B,CL,R,LBM,RRR |
| Jul 01 2016 12" | 7mm TV | F,S,R=F,RESOLVE OUTER STARS | | |
| Jul 15 2006 8" | 19mmW | CF,PS,R=F,TIGHT SMUDGE, NO STARS | | |
| Jun 23 2004 8" | 25mmPL | QUARTER MOON, LEFT @1:30AM. | | |
| NGC 6306 | Dra | | Galaxy SB(s)ab pec: | VF,VS,LE |
| Sep 05 2010 12" | 5.5mmN | VF,VS,OVAL,UB,NND,AV,R=F,PA=10 | PAIRED WITH NGC 6307 | |
| NGC 6307 | Dra | | Galaxy (R')SB(s)0/a p | VF,VS,LE,*13NR N |
| Sep 05 2010 12" | 5.5mmN | CF,CS,OVAL,MEXT,FNUC,R=F,PA=10 | PAIRED WITH NGC 6306 | |
| NGC 6309 | Oph | | Planetary Neb 3b+6 | B,S,BET2*VNR |
| Jul 03 2005 8" | 11mmT6 | MF,MS,PATCHY,R=F | | |
| NGC 6310 | Dra | | Galaxy Sb: sp | F,PL,LE |
| Sep 05 2010 12" | 5.5mmN | CF,CS,EON,UB,NND,R=F,PA=110 | | |
| NGC 6316 | Oph | H45-1 | Globular | GCL,CB,PS,R,GVMBM |
| Jul 01 2016 12" | 7mm TV | F,PS,R=F | | |
| Jul 15 2006 8" | 19mmW | F,PS,R=F,LOOSE SMUDGE, NO STARS | | |
| Jun 23 2004 8" | 25mmPL | QUARTER MOON, LEFT @1:30AM. | | |
| NGC 6324 | UMi | H945-3 | Galaxy S? | VF,S,E,S*S |
| Sep 02 2016 12" | 8mm Et | VF,VS,OVAL,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|---|------------------------|---------------------------|
| NGC 6325 | Oph | | Globular | PF,L,R,RR |
| Jul 01 2016 12" | 7mm TV | VF,PS,R=F | | |
| May 19 2010 12" | 9mm | VF,VS,AV,R=F, FAINT SMUDGE, NO STARTS TO RESOLVE. | | |
| Jul 31 2005 8" | 7.5mmW | VF,VS,R,LOWSB,AV,R=F | | |
| NGC 6333 | Oph | M9 | Globular | GCL,B,L,R,ECM,RRR, |
| Jul 08 2018 12" | 17mmT4 | B,L,MR=E | | |
| Jul 01 2016 12" | 7mm TV | F,S,R=G,RESOLVED OUTER STARS | | |
| Jul 15 2015 12" | 17mmT4 | | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Jul 04 2011 12" | 11mmT6 | FINE OBJECT | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Aug 16 2006 1.9" | 12x50 | PF,PS,R=F | | |
| Mar 27 2006 8" | 19mmW | F,VL,R,R=F, | | |
| Jun 14 2004 8" | 25mmPL | SPOTTY CLOUDS - MEGASTAR CONTROL | | |
| NGC 6337 | Sco | | Planetary Neb 4 | RINGNEB,EF,S,AM ST |
| Jul 31 2011 12" | 7mm TV | F,VS,,R=F,SMUDGE WITH TWO FOREGROUND STARS | | |
| NGC 6338 | Dra | H812-2 | Galaxy S0 | F,S,R,VGLBM |
| Apr 29 2011 12" | 5mm TV | VF,CS,OVAL,UB,NND,R=F | | |
| NGC 6340 | Dra | H767-2 | Galaxy SA(s)0/a | CF,PL,R,VGMBM |
| Sep 07 2005 8" | 11mmT6 | MB,ML,R,FNUC,MSB,R=G | | |
| NGC 6341 | Her | M92 | Globular | GCL,VB,VL,ECM,ST S |
| Apr 20 2018 12" | 11mmT6 | | | |
| Jul 02 2017 12" | 17mmT4 | GOOD | | |
| May 14 2017 12" | 11mmT6 | RESOLVED STARS | | |
| May 30 2016 12" | 8mm Ds | B,L,R=E. OUTSTANDING. NOT AS LARGE AS M13 THOUGH. | | |
| Aug 21 2015 12" | 8mm Ds | | | |
| Oct 24 2012 8" | 11mmT6 | STILL NICE. | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Sep 07 2006 1.9" | 12x50 | DIFF,PF,PS,R=F | | |
| Mar 27 2006 8" | 19mmW | B,L,R,R=G,DENSE,RESOLVE OUTER STARS | | |
| Oct 31 2004 1.9" | 12x50 | R=G | | |
| Aug 14 2004 8" | 11mmT6 | | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| NGC 6342 | Oph | H149-1 | Globular | CB,PS,LE,ER |
| Jul 01 2016 12" | 7mm TV | PF,PS,R=F | | |
| Jul 15 2006 8" | 19mmW | VF,PS,R=F, DIM, UNRESOLVED. | | |
| Jun 23 2004 8" | 25mmPL | QUARTER MOON, LEFT @1:30AM. | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|-----------------------------------|--------------------------|-----------------------------|
| NGC 6343 | Her | | Galaxy C | VF,S,LE,NF OF 2 |
| May 21 2009 16" | 11mmT6 | PF,PS,R,UB,NND,R=F | | |
| NGC 6347 | Her | | Galaxy SBb | EF,IR,DIF |
| May 21 2009 16" | 11mmT6 | VF,VS,EL,OVAL,NND,AV,R=F | | |
| NGC 6350 | Her | | Galaxy S0 | PF,PS,GBM |
| May 21 2009 16" | 11mmT6 | CF,CS,R,UB,NND,R=F | | |
| NGC 6355 | Oph | H46-1 | Globular | CF,L,R,GBM,RRR |
| Jul 23 2016 12" | 8mm Et | PF,PS,R=F. DID NOT RESOLVE. | | |
| Jul 15 2006 8" | 19mmW | EF,S,AV,R=F | | |
| Jun 23 2004 8" | 25mmPL | QUARTER MOON, LEFT @1:30AM. | | |
| NGC 6356 | Oph | H48-1 | Globular | GCL,VB,CL,VGVMBM,RRR |
| Jul 23 2016 12" | 8mm Et | F,S,R=F. DID NOT RESOLVE | | |
| Jul 21 2007 1.9" | 12x50 | PF,S,PATCH,R=F | | |
| Jul 15 2006 8" | 19mmW | PB,PS,R=G, DIM STARS | | |
| Jun 23 2004 8" | 25mmPL | QUARTER MOON, LEFT @1:30AM. | | |
| NGC 6359 | Dra | | Galaxy SA0-: | PB,S,R,BMN=*12 |
| Sep 05 2010 12" | 5.5mmN | PF,CS,OVAL,FNUC,R=F,PA=5 | | |
| Aug 12 2010 12" | 7mm TV | PF,PS,R,NND,R=F | | |
| NGC 6361 | Dra | | Galaxy SAB: sp | VF,PS,ME,NEAR BET 2* |
| Sep 05 2010 12" | 5.5mmN | CF,CS,EON,UB,NND,R=F,PA=95 | | |
| NGC 6364 | Her | | Galaxy S0 | PF,VS,R,BM*13 |
| May 21 2009 16" | 11mmT6 | PF,PS,OVAL,FNUC,R=F | | |
| NGC 6366 | Oph | | Globular | F,L,VLBM |
| Jul 23 2016 12" | 8mm Et | VF,L,R=P. DID NOT RESOLVE. | | |
| Jul 21 2007 1.9" | 12x50 | PF,PS,AV,R=F | | |
| Aug 16 2006 1.9" | 12x50 | PF,PS,R=F | | |
| Jul 15 2006 8" | 19mmW | EF,PS,AV,R=F | | |
| Jul 08 2004 8" | 25mmPL | VERY CLEAR NIGHT - LEFT AT 1:00AM | | |
| NGC 6368 | Oph | | Galaxy Sb | F,S,E |
| Jul 03 2005 8" | 11mmT6 | VF,VS,EON,NND,AV,R=F | | |
| NGC 6369 | Oph | H11-4 | Planetary Neb 4+2 | RINGNEB,PB,S,R |
| Jul 07 2018 12" | 8mm Et | PF,S,R=G. OIII FILTER | | |
| Jul 09 2005 8" | 11mmT6 | MB,MS,R,R=G | | |
| NGC 6370 | Dra | | Galaxy E | VF,VS,R,B*NR N |
| Apr 29 2011 12" | 5mm TV | CF,CS,R,UB,NND,R=F,STAR TO S.W. | | |
| NGC 6372 | Her | H137-3 | Galaxy Sb? pec | VF,PS,IF,SF OF 2 |
| May 21 2009 16" | 11mmT6 | CF,PS,OVAL,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|---|--------------------------------|-----------------------------|
| NGC 6380 | Sco | | Globular | EF,PS,LE,*9ATT |
| Aug 20 2006 8" | 7.5mmW | VF,VS,R=F | | |
| NGC 6381 | Dra | | Galaxy SA(s)c? | VF,PL,E |
| Sep 05 2010 12" | 5.5mmN | VF,CS,OVAL,UB,NND,AV,R=P,PA=90 | | |
| NGC 6384 | Oph | | Galaxy SAB(r)bc | PB,S,VLE |
| Jul 03 2005 8" | 11mmT6 | VF,ML,OVAL,NND,AV,R=F | | |
| NGC 6389 | Her | H901-2 | Galaxy Sbc | F,S,IF,ER |
| May 21 2009 16" | 11mmT6 | CF,PS,OVAL,UB,NND,R=F | | |
| NGC 6395 | Dra | | Galaxy Scd: | VF,PL,LE,D*N |
| Sep 05 2010 12" | 5.5mmN | VF,CS,EON,UB,NND,AV,R=F,PA=75 | | |
| NGC 6401 | Oph | H44-1 | Globular | PB,PL,R,*12F INV |
| Jul 15 2006 8" | 19mmW | EF,CS,R=F,VERY DIM SMUDGE | | |
| Jun 19 2004 8" | 25mmPL | GOOD NIGHT - MEGASTAR | | |
| NGC 6402 | Oph | M14 | Globular | GCL,B,VL,R,ERI,VGMBM |
| Jul 15 2015 12" | 17mmT4 | | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 11mmT6 | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Aug 16 2006 1.9" | 12x50 | PF,PS,RF,BRIGHTER THAN 6366 | | |
| Mar 27 2006 8" | 19mmW | F,L,R=F,TIGHT SMUDGE | | |
| Jun 14 2004 8" | 25mmPL | SPOTTY CLOUDS - MEGASTAR CONTROL | | |
| NGC 6405 | Sco | M6 | Open Cluster 5.5 II 3 r | CL,L,IR,LC,ST7,10... |
| Jul 07 2018 12" | 8mm Et | PB,L,R=E | | |
| Jul 05 2016 12" | 17mmAT | VERY NICE O.C. LP2 FILTER SHOWS SOME RELATED NEBULOSITY | | |
| Sep 19 2014 12" | 17mmAT | 5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14 | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Aug 16 2006 1.9" | 12x50 | VB,VL,R=G | | |
| Mar 27 2006 8" | 19mmW | F,S,R=F | | |
| Jun 19 2004 8" | 25mmPL | GOOD NIGHT - MEGASTAR | | |
| NGC 6408 | Her | | Galaxy SB(rs)a | F,S,IR,GBM |
| May 21 2009 16" | 11mmT6 | CF,PS,R,UB,NND,R=F | | |
| NGC 6411 | Dra | | Galaxy E | VS,GBM |
| Sep 05 2010 12" | 5.5mmN | PF,PS,OVAL,MEXT,FNUC,NSB,R=G,PA=105 | | |
| NGC 6412 | Dra | H41-6 | Galaxy SA(s)c | GCL,CL,R,VGBM,RR |
| Sep 05 2010 12" | 5.5mmN | DIFF,PF,PS,OVAL,NND,R=F,PA=170 | | |

Observations Listing by Catalog Number

| | | | | |
|--|---|---|----------------------------------|-----------------------------|
| NGC 6417 May 21 2009 16" | Her 11mmT6 | | Galaxy SB(r)b: | PF,S,VLBM |
| | | VF,VS,R,NND,AV,R=F | | |
| NGC 6426 Sep 19 2014 12" Jul 09 2005 8" | Oph 17mmAT 11mmT6 | H587-2 5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14 VF,VS,R=F | Globular | VF,CL,E,VLBM |
| NGC 6427 May 21 2009 16" | Her 11mmT6 | | Galaxy S0-: | VF,VS,STELLAR |
| | | CF,CS,EON,NND,R=F | | |
| NGC 6429 May 21 2009 16" | Her 11mmT6 | | Galaxy SBa | F,S,STELLAR |
| | | CF,PS,EON,NND,R=F | | |
| NGC 6434 Sep 05 2010 12" | Dra 5.5mmN | H741-3 PF,CS,OVAL,PEXT,NND,R=F,PA=160 | Galaxy SBbc: | VF,VS,R,STELLAR,*8S |
| NGC 6440 Jul 08 2018 12" Jul 13 2007 8" Jul 15 2006 8" Jun 19 2004 8" | Sgr 17mmT4 11mmT6 19mmW 25mmPL | H150-1 CAN'T RESOLVE STARTS. SAME FOV AS NGC-6445 PF,CS,ALMOST RESOLVE STARS,R=G CF,CS,R=F GOOD NIGHT - MEGASTAR | Globular | PB,PL,R,BM |
| NGC 6441 Jul 15 2006 8" Jun 23 2004 8" | Sco 19mmW 25mmPL | | Globular | GCL,VB,PL,R,VGMBM, |
| | | PB,CS,R=G,TIGHT GROUP, UNRESOLVABLE QUARTER MOON, LEFT @1:30AM. | | |
| NGC 6442 May 21 2009 16" | Her 11mmT6 | | Galaxy E | PF,S,IR,GBM |
| | | PF,PS,OVAL,FNUC,R=F | | |
| NGC 6445 Jul 08 2018 12" Jul 09 2005 8" | Sgr 17mmT4 11mmT6 | H586-2 B,S,R=G. MB,ML,MSB,R=G | Planetary Neb 3b+3 | PB,PS,R,GBM,R,*15NP |
| NGC 6447 May 21 2009 16" | Her 11mmT6 | | Galaxy SB? | VF,S,R |
| | | PF,PS,EL,OVAL,UB,NND,R=F | | |
| NGC 6451 Jul 23 2006 8" Jul 09 2005 8" | Sco 11mmT6 11mmT6 | H13-6 PB,PL,R=G,DENSE GROUP R=G. LOOSE GROUP W/MANY STARS | Open Cluster 12.0 I 2 r n | CL,PL,PRI,BIFID,ST12 |
| NGC 6453 Jul 03 2005 8" | Sco 11mmT6 | | Globular | CL,IR,PMBM,R |
| | | VF,VS,R,R=F | | |
| NGC 6458 May 21 2009 16" | Her 11mmT6 | | Galaxy S0 | EF,VS,STELLAR |
| | | VF,CS,EL,OVAL,NND,AV,R=F | | |
| NGC 6460 May 21 2009 16" | Her 11mmT6 | | Galaxy Scd: | VF,PL,IR |
| | | VF,PS,OVAL,NND,AV,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|----------------|------------------------------------|---------------------------------|-----------------------------|
| NGC 6468 | Her | | Non-Existent | VF,S,R |
| May 21 2009 16" | 11mmT6 | VF,PS,OVAL,NND,AV,R=F | | |
| NGC 6469 | Sgr | | Open Cluster IV 2 m | CL,PRI,IN MILKY WAY |
| Jul 21 2007 1.9" | 12x50 | PF,PS,R=F | | |
| Jul 08 2004 8" | 25mmPL | VERY CLEAR NIGHT - LEFT AT 1:00AM | | |
| NGC 6475 | Sco M7 | | Open Cluster 7.0 I 3 r | CL,VB,PRI,LC,*7...12 |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Aug 16 2006 1.9" | 12x50 | VB,EL,R=E | | |
| Mar 27 2006 8" | 19mmW | B,L,R=F | | |
| Jun 19 2004 8" | 25mmPL | GOOD NIGHT - MEGASTAR | | |
| NGC 6480 | Sco | | Non-Existent | NEBSPART OFMILKY WAY |
| Jul 03 2005 8" | 11mmT6 | VF,VS,R=F | | |
| NGC 6482 | Her | | Galaxy E: | VF,S,R,VSVMBMVRN |
| Jul 24 2006 8" | 11mmT6 | PF,PS,OVAL,NND,R=F | | |
| NGC 6484 | Her | | Galaxy Sb: | EF,VS,R,MBM |
| May 21 2009 16" | 11mmT6 | PF,PS,R,FNUC,R=F | | |
| NGC 6485 | Her | | Galaxy Sbc | VF,VS,R |
| May 21 2009 16" | 11mmT6 | CF,PS,R,UB,NND,R=F | | |
| NGC 6487 | Her | | Galaxy E | F,S,R,GBM |
| May 21 2009 16" | 11mmT6 | PF,PS,R,UB,,NND,R=F | | |
| NGC 6490 | Her | | Galaxy S0-? | VF,VS,STELLAR |
| May 21 2009 16" | 11mmT6 | VF,CS,OVAL,NND,AV,R=F | | |
| NGC 6494 | Sgr M23 | | Open Cluster 10.0 II 2 r | CL,B,VL,PRI,LC,*10.. |
| Jul 08 2018 12" | 8mm Et | B,=RG | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Aug 16 2006 1.9" | 12x50 | B,PL,R=G, RESOLVE OUTER STARS | | |
| Aug 12 2006 1.9" | 12x50 | B,L,R=G | | |
| Mar 27 2006 8" | 19mmW | L,R=F | | |
| Jun 14 2004 8" | 25mmPL | SPOTTY CLOUDS - MEGASTAR CONTROL | | |
| NGC 6495 | Her | | Galaxy E | F,S,R |
| May 21 2009 16" | 11mmT6 | PF,PS,R,FNUC,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|---------------------------------------|---------------------------------|-----------------------------|
| NGC 6500 | Her | H957-3 | Galaxy SAab: | VF,VS,SP OF 2 |
| May 21 2009 16" | 11mmT6 | PF,PS,OVAL,FNUC,MSB,R=F | | |
| NGC 6501 | Her | H958-3 | Galaxy SA0+: | VF,VS,NF OF 2 |
| May 21 2009 16" | 11mmT6 | PF,PS,OVAL,FNUC,MSB,R=F | | |
| NGC 6503 | Dra | | Galaxy SA(s)cd | PF,L,ME,*9F4' |
| Oct 21 2012 8" | 5mm TV | PF,PS,OVAL,MEXT,UB,NND,R=F | | |
| Jun 19 2004 8" | 25mmPL | GOOD NIGHT - MEGASTAR | | |
| NGC 6504 | Her | | Galaxy S | F,VME,SBM |
| May 21 2009 16" | 11mmT6 | PF,PS,EON,FNUC,MSB,R=F | | |
| NGC 6507 | Sgr | H53-8 | Open Cluster 12.0 IV 3 m | CL,PS,LRI,LC |
| Aug 20 2006 8" | 7.5mmW | PF,PS,R=F,STARS AT SW CORNER | | |
| NGC 6508 | Dra | | Galaxy E: | VF,S,3ST NR |
| Sep 05 2010 12" | 5.5mmN | CF,PS,R,UB,NND,R=F | | |
| NGC 6509 | Oph | | Galaxy Sd | VF,PL,IRRR,LBM |
| Jul 31 2005 8" | 11mmT6 | VF,VS,OVAL,NND,R=F | | |
| NGC 6514 | Sgr | M20 H41-4 | Nebula EN+OC | VB,VL,TRIFID,D*INV |
| Jul 07 2018 12" | 8mm Et | PB,R=E. USED OIII FILTER | | |
| Jul 19 2017 12" | 17mmT4 | LP2 FILTER HELPS A BIT. | | |
| Jul 19 2017 12" | 27m PN | LOOKS MUCH BETTER WITH 27MM PANOPTIC. | | |
| Jul 05 2016 12" | 17mmAT | BEAUTIFUL,R=E!!, LP2 FILTER | | |
| Aug 15 2015 12" | 11mmT6 | | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Aug 12 2006 1.9" | 12x50 | VB,VL,R=E | | |
| Mar 27 2006 8" | 19mmW | B,L,FEW STARS,NEBULASITY OK,R=G | | |
| Jun 14 2004 8" | 25mmPL | SPOTTY CLOUDS - MEGASTAR CONTROL | | |
| NGC 6517 | Oph | H199-2 | Globular | PB,PL,R,RR |
| Jul 09 2005 8" | 11mmT6 | MF,ML,R=F | | |
| Jul 03 2005 8" | 11mmT6 | VF,VS,AV,R=F | | |
| NGC 6520 | Sgr | H7-7 | Open Cluster 9.0 I 2 r n | CL,PS,RI,LC,ST9...13 |
| Oct 08 2006 1.9" | 12x50 | PF,S,R=F | | |
| Jul 09 2005 8" | 11mmT6 | VB,R=G. NICE CLUSTER - BRIGHT | | |
| NGC 6521 | Dra | | Galaxy E | F,PL,3RD OF 3 |
| Apr 29 2011 12" | 5mm TV | CF,CS,R,UB,NND,R=F | | |

Observations Listing by Catalog Number

NGC 6522 **Sgr** **H49-1** **Globular** **GCL,B,PL,R,GVMBM,RRR**
 Jul 05 2016 12" 8mm Et F,S,R=G, SAME FIELD AS NGC-6528
 Jul 15 2006 8" 19mmW PB,S,R=F
 Jun 19 2004 8" 25mmPL GOOD NIGHT - MEGASTAR

NGC 6523 **Sgr** **M8** **Nebula E** **VB,EL,EIF,W/LCL**
 Jul 05 2016 12" 17mmAT VERY NICE,R=E!,LP2 FILTER
 Aug 21 2015 12" 17mmT4
 Mar 16 2012 18" 17mmAT 2012 M.M.
 Mar 01 2011 12" 17mmAT M.M. 2011 - MANUAL SETTING CIRCLES
 Mar 08 2010 12" 26mm M.M. 2010 MANUAL SETTING CIRCLES
 Mar 20 2009 16" 26mm MESSIER MARATHON - 2009
 Aug 12 2006 1.9" 12x50 VB,VL,EXTENDED,R=E
 Mar 27 2006 8" 19mmW B,PL,R=G,MORE STARS
 Aug 14 2004 8" 11mmT6
 Jun 14 2004 8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6526 **Sgr** **H9-5** **Nebula E** **F,L,CE**
 Jul 19 2011 12" 11mmT6 F,L, EBULOSITY, INTERMITENT DARK BAND, OIII DIDN'T SEEM TO HELP.

NGC 6528 **Sgr** **H200-2** **Globular** **GCL,PF,CS,R,GBM,RRR**
 Jul 05 2016 12" 8mm Et PF,PS,R=G, SAME FIELD AS NGC-6522
 Jul 15 2006 8" 19mmW CF,CS,R=G
 Jun 19 2004 8" 25mmPL GOOD NIGHT - MEGASTAR

NGC 6530 **Sgr** **Open Cluster 6.0 II 2 m n** **CL,B,L,PRI,FM8**
 Jul 25 2011 12" 32mmUW B,L,R=E, LP-2 FILTER.
 Sep 05 2007 8" 11mmT6 PB,PL,SOME NEBULOSITY,R=F

NGC 6531 **Sgr** **M21** **Open Cluster 8.0 I 3 r** **CL,PRI,LC,ST9...12**
 Jul 08 2018 12" 8mm Et B,R=G
 Jul 05 2016 12" 17mmAT NICE OPEN CLUSTER,R=G
 Mar 16 2012 18" 17mmAT 2012 M.M.
 Mar 01 2011 12" 17mmAT M.M. 2011 - MANUAL SETTING CIRCLES
 Mar 08 2010 12" 26mm M.M. 2010 MANUAL SETTING CIRCLES
 Mar 20 2009 16" 26mm MESSIER MARATHON - 2009
 Aug 12 2006 1.9" 12x50 B,S,R=F
 Mar 27 2006 8" 19mmW B,S,R=G
 Jun 14 2004 8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6535 **Ser** **Globular** **PF,VS,VSNEB*P**
 Jul 09 2005 8" 11mmT6 MF,ML,R=G

NGC 6537 **Sgr** **Planetary Neb 2a+6** **PLN,B,S,STELLAR**
 Aug 12 2005 8" 7.5mmW VF,VS,AV,R=F

NGC 6539 **Ser** **Globular** **NO DESCRIPT**
 Jul 09 2005 8" 11mmT6 VF,ML,R=F

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|--|---------------------------------|-----------------------------|
| NGC 6540 | Sgr | H198-2 | Globular | PF,S,IE,ER OR CL |
| Jul 05 2016 12" | 8mm Et | F,PS,R=F, ALMOST LOST IN HEAVY STAR FIELD | | |
| Jul 13 2007 8" | 7.5mmW | VF,VS,PATCHY,R=F | | |
| Jul 09 2005 8" | 11mmT6 | R=F. LOOSE GROUP, FEWER STARS | | |
| NGC 6543 | Dra | H37-4 | Planetary Neb 3a+2 | PLN,VB,PS,SBMVSN |
| Oct 21 2012 8" | 5mm TV | B,PS,OVAL IN SHAPE,R=F | | |
| Sep 05 2010 12" | 5.5mmN | PB,PS,R=G, NO CENTRAL STAR NOTED. OIII NOT MUCH HELP - NO ADDITIONAL STRUCTURE | | |
| Jul 09 2005 8" | 11mmT6 | VB,VS,OVAL,R=G | | |
| Apr 13 2005 8" | 11mmT6 | VB,VS,R,R=G | | |
| NGC 6544 | Sgr | H197-2 | Globular | CF,PL,IR,R |
| Jul 05 2016 12" | 8mm Et | PF,S,R=F | | |
| Jul 15 2006 8" | 19mmW | PF,CS,R=F,SMUDGE, NO STARS | | |
| Aug 14 2004 8" | 11mmT6 | | | |
| Jun 19 2004 8" | 25mmPL | GOOD NIGHT - MEGASTAR | | |
| NGC 6546 | Sgr | | Open Cluster 10.6 II 1 r | CL,VL,VRI |
| Aug 12 2005 8" | 7.5mmW | MB,MS,R=F | | |
| NGC 6548 | Her | H555-3 | Galaxy SB0 | CF,S,LE,R |
| Nov 13 2007 8" | 11mmT6 | DIFF,PF,PS,R,NND,R=F | | |
| NGC 6553 | Sgr | H12-4 | Globular | GCL,F,L,LE,VGLBM,RR |
| Jul 05 2016 12" | 8mm Et | PF,S,R=G | | |
| Jul 15 2006 8" | 19mmW | PF,PS,R=F | | |
| Jun 19 2004 8" | 25mmPL | GOOD NIGHT - MEGASTAR | | |
| NGC 6555 | Her | H902-2 | Galaxy SAB(rs)c | F,L,R,VGLBM |
| Mar 18 2007 8" | 7.5mmW | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 6558 | Sgr | | Globular | GCL,PB,PL,R,GLBM,RRR |
| Jul 05 2016 12" | 8mm Et | PF,PS,R=F,CAN' RESOLVE STARS | | |
| Jul 08 2004 8" | 25mmPL | VERY CLEAR NIGHT - LEFT AT 1:00AM | | |
| NGC 6563 | Sgr | | Planetary Neb 3a | PLN,F,L,CE,HAZY EDGE |
| Aug 29 2010 12" | 7mm TV | PF,PS,R=F. NO CENTRAL STAR NOTED | | |
| NGC 6567 | Sgr | | Planetary Neb 2a+3 | PLN,STELL,11M,IN ACL |
| Sep 05 2007 8" | 11mmT6 | VF,PS,NO CENTRAL STAR,R=F | | |
| NGC 6568 | Sgr | H30-7 | Open Cluster IV 1 m | CL,VL,LC |
| Jul 09 2005 8" | 11mmT6 | MB,R=G. NICE, BRIGHT CLUSTER | | |
| NGC 6569 | Sgr | H201-2 | Globular | GCL,CB,L,R,RRR,*15.. |
| Jul 05 2016 12" | 8mm Et | F,S,R=F,CAN'T RESOLVE STARS | | |
| Jul 15 2006 8" | 19mmW | F,CS,R=F | | |
| Jun 19 2004 8" | 25mmPL | GOOD NIGHT - MEGASTAR | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|--|---------------------------------|-----------------------------|
| NGC 6570 | Oph | | Galaxy SB(rs)m: | PF,PL,R |
| Jul 31 2005 8" | 11mmT6 | MB,VS,EL,FNUC,MSB,R=F | | |
| NGC 6572 | Oph | | Planetary Neb 2a | PLN,VB,VS,R,LHAZY |
| Jul 07 2018 12" | 8mm Et | PB,PS,R=E. OIII FILTER | | |
| Jul 23 2006 8" | 7.5mmW | CB,CS,R,R=G | | |
| Jul 31 2005 8" | 11mmT6 | VB,VS,R,R=F | | |
| NGC 6574 | Her | | Galaxy SAB(rs)bc: | PB,S,R |
| May 21 2009 16" | 11mmT6 | PF,CS,OVAL,FNUC,UB,R=F | | |
| NGC 6583 | Sgr | H31-7 | Open Cluster I 2 m | CL,PRI,PC,CE,ST13... |
| Jul 23 2006 8" | 11mmT6 | CF,S,R=F | | |
| Jul 08 2004 8" | 25mmPL | VERY CLEAR NIGHT - LEFT AT 1:00AM | | |
| NGC 6590 | Sgr | | Nebula R | D*CENTRE PF,PL,RNEBY |
| Jul 08 2004 8" | 25mmPL | VERY CLEAR NIGHT - LEFT AT 1:00AM | | |
| NGC 6595 | Sgr | | Nebula III 3 m n | F,PL,CE,**INV |
| Sep 05 2007 8" | 11mmT6 | B,PS,R=F | | |
| Jul 08 2004 8" | 25mmPL | VERY CLEAR NIGHT - LEFT AT 1:00AM | | |
| NGC 6596 | Sgr | H55-8 | Open Cluster II 2 m n | CL,LC |
| Aug 18 2010 12" | 11mmT6 | PF,PS,R=F,LOOSE GROUP,NEBULOSITY NOTED IN MIDDLE | | |
| NGC 6603 | Sgr | M24 | Open Cluster 14.0 I 2 | CL,VRI,VMC,R,M WAY |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Aug 16 2006 1.9" | 12x50 | B,PL,R=G | | |
| Mar 27 2006 8" | 19mmW | R=F | | |
| Jun 14 2004 8" | 25mmPL | SPOTTY CLOUDS - MEGASTAR CONTROL | | |
| NGC 6604 | Ser | H15-8 | Open Cluster 7.5 I 3 m n | CL,LRI,LC |
| Sep 05 2007 8" | 11mmT6 | F,S,R=F | | |
| NGC 6605 | Ser | | Open Cluster asterism | CL,LRI,LC,ST10...12 |
| Jun 20 2007 1.9" | 12x50 | PF,PS,R,R=F | | |
| NGC 6606 | Lyr | | Galaxy S | VF,S,R,GBM,VF*INV |
| Aug 16 2009 31" | 17mmT4 | PF,PS,R,FNUC,HISB,R=G | | |

Observations Listing by Catalog Number

NGC 6611 **Ser** **M16** **Open Cluster 11.0 II 3 m n** **CL,ATLEAST100* L\$\$**

Jul 07 2018 12" 8mm Et B,L,R=E. OIII FILTER
 Jul 19 2017 12" 17mmT4 LP2 FILTER HELPS A BIT
 Jul 23 2016 12" 8mm Et USED LP2 & LP3. BETTER VIEW WITH LP3 (OIII).
 Aug 21 2015 12" 17mmT4
 Jul 15 2015 12" 17mmT4
 Mar 16 2012 18" 17mmAT 2012 M.M.
 Mar 01 2011 12" 17mmAT M.M. 2011 - MANUAL SETTING CIRCLES
 Mar 08 2010 12" 26mm M.M. 2010 MANUAL SETTING CIRCLES
 Sep 13 2009 12" 32mmUW 6TH OBJECT
 Mar 20 2009 16" 26mm MESSIER MARATHON - 2009
 Aug 16 2006 1.9" 12x50 PB,PL,R=G
 Mar 27 2006 8" 19mmW L,B,R=G
 Jun 14 2004 8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6612 **Lyr** **Galaxy C** **EEF,ES,R,VDIFFIC**

Aug 16 2009 31" 17mmT4 PF,CS,R,FNUC,R=F

NGC 6613 **Sgr** **M18** **Open Cluster 8.7 II 3 p n** **CL,P,VLC**

Jul 08 2018 12" 17mmT4 B,S,R=G
 Mar 16 2012 18" 17mmAT 2012 M.M.
 Mar 01 2011 12" 17mmAT M.M. 2011 - MANUAL SETTING CIRCLES
 Mar 08 2010 12" 26mm M.M. 2010 MANUAL SETTING CIRCLES
 Aug 16 2006 1.9" 12x50 B,L,R=F
 Mar 27 2006 8" 19mmW R=F
 Jun 14 2004 8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6618 **Sgr** **M17** **Nebula EN+OC** **B,EL,EIF,2HOOKED**

Jul 08 2018 12" 17mmT4 B,L,R=E
 Jul 19 2017 12" 17mmT4 BETTER WITH 27 PANOPTIC
 Jul 19 2017 12" 27m PN BEAUTIFUL WITH LP2 FILTER
 Aug 21 2015 12" 17mmT4
 Jul 13 2013 18" 7mm TV THE SWAN - OIII FILTER
 Mar 16 2012 18" 17mmAT 2012 M.M.
 Mar 01 2011 12" 17mmAT M.M. 2011 - MANUAL SETTING CIRCLES
 Mar 08 2010 12" 26mm M.M. 2010 MANUAL SETTING CIRCLES
 Sep 13 2009 12" 32mmUW 7TH OBJECT
 Mar 20 2009 16" 26mm MESSIER MARATHON - 2009
 Aug 16 2006 1.9" 12x50 PB,PL,R=F
 Mar 27 2006 8" 19mmW L,B,R=G
 Jun 14 2004 8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6621 **Dra** **Galaxy Sb: pec** **PF,PS,R,LBM,S OF 2**

Aug 24 2012 18" 7mm TV VF,VS,EON,UB,NND,AV1,R=F

NGC 6624 **Sgr** **H50-1** **Globular** **GCL,VB,PL,R,RRR,ST16**

Jul 05 2016 12" 8mm Et F,PS,R=G,VERY NICE.
 Jul 16 2006 8" 19mmW PF,PS,R=F
 Jun 19 2004 8" 25mmPL GOOD NIGHT - MEGASTAR

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|------------------------------------|---------------------------------|-----------------------------|
| NGC 6625 | Sct | | Open Cluster IV 3 m n | CL,LC,LRI,ST11...12 |
| Aug 13 2007 31" | 31mmT5 | PB,L,R=F, SOME NEBULOSITY | | |
| NGC 6626 | Sgr | M28 | Globular | GCL,VB,L,R,GECM,RRR |
| Jul 05 2016 12" | 8mm Et | F,S,R=G | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Aug 16 2006 1.9" | 12x50 | B,S,R=F | | |
| Mar 27 2006 8" | 19mmW | F,FS,R,R=G, TIGHT GROUP | | |
| Jun 14 2004 8" | 25mmPL | SPOTTY CLOUDS - MEGASTAR CONTROL | | |
| NGC 6628 | Her | | Galaxy S0? | VF,S,LE,BM |
| Aug 21 2015 12" | 17mmT4 | | | |
| NGC 6629 | Sgr | H204-2 | Planetary Neb 2a | PLNORGCL,PB,EES,R |
| Jul 07 2018 12" | 8mm Et | B,S,R=F. OIII FILTER | | |
| Jul 09 2005 8" | 11mmT6 | VF,VS,AV,R=F | | |
| NGC 6631 | Sct | | Open Cluster II 1 m | CL,PL,PRI,ST12...15 |
| Aug 13 2007 31" | 31mmT5 | PB,PS,MORE STARS, CONDENSED,R=F | | |
| NGC 6633 | Oph | H72-8 | Open Cluster 8.0 III 2 m | CL,LC,ST L |
| Jul 02 2017 12" | 17mmT4 | LOOSE CLUMP | | |
| Oct 08 2006 1.9" | 12x50 | N.F.:R=G, DENSER GROUP | | |
| Jul 15 2006 8" | 32mmUW | VB,VL,LOOSE CLUSTER | | |
| Jun 23 2004 8" | 25mmPL | QUARTER MOON, LEFT @1:30AM. | | |
| NGC 6635 | Her | | Galaxy S0 pec: | VF,S,R |
| Jun 04 2005 31" | 17mmT4 | VF,VS,OVAL,NND,R=F | | |
| NGC 6637 | Sgr | M69 | Globular | GCL,B,L,R,RRR,*14.16 |
| Jul 05 2016 12" | 8mm Et | EXCELLENT | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Aug 13 2007 31" | 31mmT5 | PB,PS,MORE STARS, CONDENSED,R=E | | |
| Aug 20 2006 1.9" | 12x50 | F,S,R=F | | |
| Mar 27 2006 8" | 19mmW | F,S,R=F,TIGHT GROUP | | |
| Jun 19 2004 8" | 25mmPL | GOOD NIGHT - MEGASTAR | | |
| NGC 6638 | Sgr | H51-1 | Globular | GCL,B,S,R,RR |
| Jul 05 2016 12" | 8mm Et | F,PS,R=F | | |
| Jul 16 2006 8" | 19mmW | CF,PS,R=F | | |
| Jun 19 2004 8" | 25mmPL | GOOD NIGHT - MEGASTAR | | |
| NGC 6639 | Sct | | Open Cluster | CL,IN MILKY WAY |
| Aug 13 2007 31" | 31mmT5 | PB,PS,R=F, SOME NEBULOSITY | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|--------------------------------------|---------------------------------|-----------------------------|
| NGC 6640 | Lyr | | Galaxy Scd: | VF,S,R,VLBM |
| Aug 16 2009 16" | 17mmT4 | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 6642 | Sgr | H205-2 | Globular | GCL,PB,PL,IR,GPMBM |
| Jul 05 2016 12" | 8mm Et | PF,PS,R=F | | |
| Jul 16 2006 8" | 19mmW | F,CS,R=F | | |
| Jun 19 2004 8" | 25mmPL | GOOD NIGHT - MEGASTAR | | |
| NGC 6643 | Dra | | Galaxy SA(rs)c | PB,PL,E50,2ST P |
| Sep 07 2005 8" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| Jun 19 2004 8" | 25mmPL | GOOD NIGHT - MEGASTAR | | |
| NGC 6644 | Sgr | | Planetary Neb 2 | PLN,STELLAR |
| Sep 05 2007 8" | 11mmT6 | VF,VS,AV,R=F | | |
| NGC 6645 | Sgr | H23-6 | Open Cluster 12.0 IV 1 m | CL,PL,VRI,PC,ST11.15 |
| Jul 16 2006 8" | 19mmW | PB,PS,R=G | | |
| Jul 08 2004 8" | 25mmPL | VERY CLEAR NIGHT - LEFT AT 1:00AM | | |
| NGC 6646 | Lyr | H907-2 | Galaxy Sa | F,S,IF |
| Aug 16 2009 31" | 17mmT4 | PF,PS,OVAL,UB,NND,R=G | | |
| NGC 6649 | Sct | | Open Cluster 13.2 I 3 m | CL,P,LC,PS,*9,10,12. |
| Aug 13 2007 31" | 31mmT5 | B,PS,R=G,SOME NEBULOSITY,CARBON STR. | | |
| NGC 6651 | Dra | | Galaxy SA(r)c | EEF,PS,LE,VDIFFIC |
| Apr 29 2011 12" | 5mm TV | VF,CS,OVAL,UB,NND,R=F | | |
| NGC 6652 | Sgr | | Globular | B,S,LE,RRR,ST15 |
| Jul 05 2016 12" | 8mm Et | NOTT BAD FOR NON-MESSIER GLOBULAR | | |
| Jul 16 2006 8" | 19mmW | CF,CS,R=F | | |
| Jun 19 2004 8" | 25mmPL | GOOD NIGHT - MEGASTAR | | |
| NGC 6654 | Dra | | Galaxy (R')SB(s)0/a | *12,13INPB,PL NEBY |
| Jul 27 2009 16" | 11mmT6 | PF,PS,EL,OVAL,NND,R=F | | |
| NGC 6656 | Sgr | M22 | Globular | GCL,VB,VL,R,VRI,VMC |
| Jul 05 2016 12" | 8mm Et | F,L,R=E! | | |
| Jul 01 2016 12" | 8mm Et | PB,PL,R=E!! | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Jul 04 2011 12" | 11mmT6 | FINE OBJECT | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Aug 12 2006 1.9" | 12x50 | PB,PL,R,R=F | | |
| Mar 27 2006 8" | 19mmW | B,PL,R=G, RESOLVE OUTER STARS | | |
| Jun 14 2004 8" | 25mmPL | SPOTTY CLOUDS - MEGASTAR CONTROL | | |
| NGC 6657 | Lyr | | Galaxy SB | VF,VS,SBM |
| Aug 16 2009 31" | 17mmT4 | PF,PS,OVAL,UB,FNUC,R=G | | |

Observations Listing by Catalog Number

| | | | |
|---|---|-----------------------------------|-----------------------------|
| NGC 6662 Aug 16 2009 31" | Lyr 17mmT4 PF,PS,OVAL,UB,NND,R=F | Galaxy SBab? | F*IN VF,VS,LE NEBY |
| NGC 6663 Aug 16 2009 31" | Lyr 17mmT4 CF,PS,R,NND,R=F | Galaxy SAB(r)cd: | EEF,PS,R,VDIFFIC |
| NGC 6664 Aug 13 2007 31" Mar 18 2007 8" | Sct H12-8 31mmT5 B,L,R=G 11mmT6 B,L,LOOSE GROUP,R=F | Open Cluster 9.0 III 2 m | CL,L,PRI,VLC |
| NGC 6665 Aug 16 2009 31" | Lyr 17mmT4 PF,PS,OVAL,UB,NND,R=F | Galaxy Sc | VF,VS |
| NGC 6667 Jul 27 2009 16" | Dra 11mmT6 CF,PS,EON,NND,AV,R=F | Galaxy SABab? pec | VF,PL,LE,VF D* NR |
| NGC 6671 Aug 16 2009 31" | Lyr 17mmT4 PF,PS,R,UB,NND,R=F | Galaxy S | VF,VS,R,MBM |
| NGC 6675 Aug 16 2009 31" | Lyr 17mmT4 DIFF,PF,PS,OVAL,UB,NND,R=F | Galaxy Sbc | VF,E,45" |
| NGC 6677 Sep 05 2010 12" | Dra 5.5mmN PF,CS,R,UB,NNE,R=F | Galaxy Compact | VF,VS,BET*VNR\$VF D* |
| NGC 6681 Jul 05 2016 12" Mar 16 2012 18" Mar 01 2011 12" Mar 08 2010 12" Aug 20 2006 1.9" Mar 27 2006 8" Jun 19 2004 8" | Sgr M70 8mm Et VERY GOOD 17mmAT 2012 M.M. 17mmAT M.M. 2011 - MANUAL SETTING CIRCLES 26mm M.M. 2010 MANUAL SETTING CIRCLES 12x50 PF,S,R=F 19mmW PF,PS,R=F,TIGHT GROUP 25mmPL GOOD NIGHT - MEGASTAR | Globular | GCL,B,PL,R,GBM, |
| NGC 6682 Aug 13 2007 31" | Sct 31mmT5 PB,EL,R=G. MASSIVE CLUSTER | Open Cluster star clou | CL,L,RI,ST10...18 |
| NGC 6683 Aug 13 2007 31" | Sct 31mmT5 B,PS,R=G, SOMEWHAT DENSE | Open Cluster 11.7 II 1 p n | CL,VRI,VLC,IN M WAY |
| NGC 6685 Aug 16 2009 31" | Lyr 17mmT4 PF,PS,OVAL,FNUC,R=G | Galaxy S0-: | EEF,VS,R,VDIFFI,SP-2 |
| NGC 6686 Aug 16 2009 31" | Lyr 17mmT4 CF,CS,R,UB,NND,R=F | Galaxy C | EEF,ES,R,VDIFFI,NF-2 |
| NGC 6688 Aug 16 2009 31" | Lyr 17mmT4 PF,PS,R,BNUC,HISB,R=G | Galaxy SA0+ | F,PS,R,BM |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|--|---------------------------------|-----------------------------|
| NGC 6690 | Dra | | Non-Existent | |
| Jul 27 2009 16" | 11mmT6 | PF,PS,EON,UB,NND,R=F | | |
| NGC 6691 | Dra | | Galaxy SB(rs)bc | VF,PL,R,PB*S NR |
| Apr 29 2011 12" | 5mm TV | CF,VS,R,UB,NND,R=F | | |
| NGC 6692 | Lyr | | Galaxy E/S0 | VF,VS,IRRE,SEVVF*INV |
| Aug 16 2009 31" | 17mmT4 | PF,PS,R,UB,NND,R=F | | |
| NGC 6694 | Sct | M26 | Open Cluster 11.0 II 3 m | CL,CL,PRI,PC,ST12.15 |
| Jul 08 2018 12" | 17mmT4 | B,S,R=G | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Aug 16 2006 1.9" | 12x50 | PB,L,R=G | | |
| Mar 27 2006 8" | 19mmW | F,S,R=F | | |
| Jun 14 2004 8" | 25mmPL | SPOTTY CLOUDS - MEGASTAR CONTROL | | |
| NGC 6695 | Lyr | | Galaxy SBb | VF,S,IRRE,NS,VLBM |
| Aug 16 2009 31" | 17mmT4 | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 6700 | Lyr | | Galaxy SB(rs)c | EF,LE,DIF,IR |
| Aug 16 2009 31" | 17mmT4 | PF,PS,R,UB,NND,R=F | | |
| NGC 6701 | Dra | | Galaxy (R')SB(s)a | PB,PS,ME,F*CLOSE F |
| Sep 05 2010 12" | 5.5mmN | PF,PS,OVAL,MEXT,FNUC,MSB,R=G,PA=30 | | |
| NGC 6702 | Lyr | | Galaxy E: | PF,S,LE |
| Jun 30 2008 16" | 17mmT4 | PF,PS,R,NND,R=F | | |
| NGC 6703 | Lyr | | Galaxy SA0- | B,S,R,MBM |
| May 18 2014 18" | 8mm Ds | F,PS,R,FNUC,R=G,SOME SPIRAL STRUCTURE NOTED. | | |
| Jun 30 2008 16" | 17mmT4 | B,PS,OVAL,NND,R=F | | |
| NGC 6704 | Sct | | Open Cluster 12.0 I 2 m | CL,B,60ST13 |
| Aug 13 2007 31" | 31mmT5 | PB,S,R=G | | |
| NGC 6705 | Sct | M11 | Open Cluster 11.0 I 2 r | CL,VB,L,IR,RI,*9, |
| Jul 08 2018 12" | 17mmT4 | B,S,R=G. FULL OF STARS | | |
| Jul 19 2017 12" | 17mmT4 | VERY NICE. FULL OF STARS. R=G | | |
| Jul 15 2015 12" | 17mmT4 | | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Aug 12 2006 1.9" | 12x50 | B,L,R=G | | |
| Mar 27 2006 8" | 19mmW | B,L,R=G | | |
| Jun 14 2004 8" | 25mmPL | SPOTTY CLOUDS - MEGASTAR CONTROL | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|-----------------------------------|--------------------------------|---------------------------|
| NGC 6709 | Aql | | Open Cluster 9.0 IV 2 m | CL,PRI,LC,IF |
| Jul 25 2017 12" | 11mmT6 | B,S,R=G | | |
| Oct 29 2006 8" | 19mmW | SMALLER, COMPRESSED,R=G | | |
| Oct 08 2006 1.9" | 12x50 | PF,PS,R=F, LOOSE GROUP | | |
| Jun 19 2004 8" | 25mmPL | GOOD NIGHT - MEGASTAR | | |
| NGC 6710 | Lyr | | Galaxy SA0+? | VF,S,R,BM |
| Jun 30 2008 16" | 17mmT4 | PF,PS,OVAL,ND,R=F | | |
| NGC 6712 | Sct | H47-1 | Globular | GCL,PB,VL,IRR,RRR |
| Aug 13 2007 31" | 31mmT5 | PB,PS,R=G, RESOLVE OUTER STARS | | |
| Jul 21 2007 1.9" | 12x50 | F,PS,R=F | | |
| Jul 15 2006 8" | 19mmW | PB,PS,R=G | | |
| Jun 19 2004 8" | 25mmPL | GOOD NIGHT - MEGASTAR | | |
| NGC 6713 | Lyr | | Galaxy Pec | VF,S,R,BM |
| Aug 16 2009 31" | 17mmT4 | CF,CS,OVAL,UB,NND,R=F | | |
| NGC 6715 | Sgr | M54 | Globular | GCL,VB,L,R,G,SMBM, |
| Jul 05 2016 12" | 8mm Et | SMALL AND TIGHT,R=G | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Aug 16 2006 1.9" | 12x50 | PF,PS,R=F | | |
| Mar 27 2006 8" | 19mmW | PF,PS,R=F,TIGHT GROUP | | |
| Jun 19 2004 8" | 25mmPL | GOOD NIGHT - MEGASTAR | | |
| NGC 6716 | Sgr | | Open Cluster 8.3 IV 1 p | CL,PRI,ST9...13 |
| Oct 08 2006 1.9" | 12x50 | F,S,R=F | | |
| Jul 08 2004 8" | 25mmPL | VERY CLEAR NIGHT - LEFT AT 1:00AM | | |
| NGC 6717 | Sgr | H143-3 | Globular | F,S,RR,CL+NEB |
| Jun 19 2004 8" | 7.5mmW | GOOD NIGHT - MEGASTAR | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|--|----------------------------|-----------------------------|
| NGC 6720 | Lyr | M57 | Planetary Neb 4+3 | RINGNEB,B,PL,CE,LYRA |
| Jul 02 2017 12" | 17mmT4 | SURPRISINGLY NOT TOO BAD | | |
| Jul 05 2016 12" | 8mm Et | SUPER | | |
| Jun 17 2016 12" | 8mm Ds | SURPRISINGLY NICE IN THE MOONLIGHT | | |
| Aug 21 2015 12" | 8mm Ds | LP2 FILTER | | |
| Jul 15 2015 12" | 8mm Ds | | | |
| May 23 2015 12" | 11mmT6 | EYE CANDY | | |
| May 18 2014 18" | 8mm Ds | EYE CANDY. | | |
| Jul 13 2013 18" | 7mm TV | EYE CANDY | | |
| Oct 21 2012 8" | 25mmPL | ANOTHER SURPRISE AT HOME,ROUND AND DISTINCT | | |
| May 23 2012 18" | 17mmAT | EYE CANDY | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Jun 30 2008 16" | 17mmT4 | PB,PL,R,NO CENTRAL STAR,R=G | | |
| Oct 08 2006 1.9" | 12x50 | PB,S,R=G | | |
| Mar 27 2006 8" | 19mmW | B,L,R, R=G | | |
| Aug 14 2004 8" | 11mmT6 | F/L W/NEW FOCUSER, NAGLER, DOBSON | | |
| Dec 26 2003 8" | 25mmPL | Q/M COLD | | |
| Oct 10 2003 8" | 25mmPL | FIRST LIGHT - FIRST OBJECT | | |
| NGC 6723 | Sgr | | Globular | GCL,VL,VLE,VGBM,RRR |
| Jul 16 2006 8" | 19mmW | CF,PS,R=F | | |
| Jul 08 2004 8" | 25mmPL | VERY CLEAR NIGHT - LEFT AT 1:00AM | | |
| NGC 6724 | Aql | | Open Cluster 12.0 | cluster? CL |
| Jul 25 2017 12" | 11mmT6 | F,PS,R=P, 12+ STARS | | |
| Aug 18 2010 12" | 11mmT6 | PF,CS, R=P, TIGHT GROUP, STARS 6-8 | | |
| NGC 6735 | Aql | | Open Cluster 12.0 | CL,VL,P,ST12... |
| Jul 25 2017 12" | 11mmT6 | F,S,R=F | | |
| Jul 13 2007 8" | 11mmT6 | CF,CS,R=F | | |
| NGC 6738 | Aql | | Open Cluster IV 2 p | CL,P,LC |
| Jul 25 2017 12" | 11mmT6 | F,S,R=F | | |
| Oct 30 2007 1.9" | 12x50 | B,S,LOOSE GROUPD,R=F | | |
| Jun 19 2004 8" | 25mmPL | GOOD NIGHT - MEGASTAR | | |
| NGC 6740 | Lyr | | Galaxy S | EEF,S |
| Aug 16 2009 31" | 17mmT4 | CF,CS,R,UB,NND,R=F | | |
| NGC 6741 | Aql | | Planetary Neb 4 | PLN,STELLAR |
| Aug 07 2016 12" | 8mm Et | PF,VS,R=F. LP3. PHANTOM STREAK. | | |
| Sep 19 2014 12" | 11mmT6 | PF,PS,R=F, LP-2, NO CENTRAL STAR, HOME - 9/14/14 | | |
| Jul 03 2005 8" | 11mmT6 | VF,ML,PATCH,AV,R=F | | |
| NGC 6742 | Dra | H742-3 | Planetary Neb 2c | VF,STELLAR |
| Sep 05 2010 12" | 5.5mmN | CF,CS,R=F. NO CENTRAL STAR NOTED. OIII ADDS NOTHING. | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|---|---------------------------------|-----------------------------|
| NGC 6745 | Lyr | | Galaxy Sm | VF,LE NS |
| Sep 01 2011 31" | 17mmT4 | PF,PS,OVAL,PEXT,FNUC,R=G,PA=100 | | |
| Aug 16 2009 31" | 17mmT4 | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 6749 | Aql | | Globular | CL,L,LC,ST L\$S |
| Jul 25 2017 12" | 11mmT6 | PF,PS,R=F. COULD NOT RESOLVE ANY STARS. | | |
| Jul 03 2005 8" | 11mmT6 | VF,VS,AV,R=F | | |
| NGC 6750 | Dra | | Galaxy Sc | VF,VS,R |
| Sep 05 2010 12" | 5.5mmN | CF,PS,OVAL,MET,UB,NND,R=F,PA=35 | | |
| NGC 6751 | Aql | | Planetary Neb 3 | PB,S |
| Aug 07 2016 12" | 8mm Et | PF,PS,R=G. LP3 GLOWING EYE. | | |
| Jul 03 2005 8" | 11mmT6 | MB,ML,R=G | | |
| NGC 6755 | Aql | H19-7 | Open Cluster 11.0 II 2 r | CL,VL,VRI,PC,,*12.14 |
| Oct 30 2007 1.9" | 12x50 | B,S,R=F | | |
| Jul 08 2004 8" | 25mmPL | DIM - LOOKS LIKE P.N. IN 8 | | |
| NGC 6756 | Aql | H62-7 | Open Cluster 13.0 I 1 m | CL,S,RI,LC,*11...12 |
| Jul 08 2004 8" | 25mmPL | DIM - LOOKS LIKE P.N. IN 8 | | |
| NGC 6757 | Dra | | Galaxy SB(r)0/a | PF,ME,3F*INV |
| Sep 05 2010 12" | 5.5mmN | DIFF,CF,PS,OVAL,UB,NND,R=F,PA=105 | | |
| NGC 6760 | Aql | | Globular | 2 19 08.6+0057 |
| Jul 25 2017 12" | 11mmT6 | VF,VS,R=F | | |
| Jun 26 2004 8" | 25mmPL | CLOUDS EARLY - GIBBOUS MOON | | |
| Jun 19 2004 8" | 25mmPL | GOOD NIGHT - MEGASTAR | | |
| NGC 6764 | Cyg | | Galaxy SB(s)bc | PF,PL,ME,SEVVF*INV |
| Jul 21 2004 8" | 25mmPL | SHORT NIGHT - CLOUDS ROLLED IN. | | |
| NGC 6765 | Lyr | | Planetary Neb 5 | F,S,E |
| Jun 30 2008 16" | 11mmT6 | VF,PS,R,NO CENTRAL STAR,R=F | | |
| NGC 6772 | Aql | H14-4 | Planetary Neb 3b+2 | VF,L,R,VVLBM,R |
| Aug 31 2008 31" | 17mmT4 | VF,VS,R,R=P,NO CENTRAL STAR | | |
| NGC 6775 | Aql | | Open Cluster cluster? | CL,P,LC,ST10...11 |
| Aug 18 2010 12" | 11mmT6 | PF,CS,R=P,LOOSE DISTANT GROUP, STARS 8-10 | | |
| NGC 6778 | Aql | | Planetary Neb 3+3 | S,E,ILL-DEFINED DISC |
| Aug 31 2008 31" | 17mmT4 | PB,PS,R,R=G, NO CENTRAL STAR | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|---|---------------------------------|-----------------------------|
| NGC 6779 | Lyr | M56 | Globular | GCL,B,L,IR,GVMCM,RRR |
| Jul 19 2017 12" | 11mmT6 | F,S,R=G | | |
| Jun 17 2016 12" | 8mm Ds | VERY NICE | | |
| Oct 24 2012 8" | 11mmT6 | STILL NICE. LIKE THOSE GLOBS. | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Jun 30 2008 16" | 17mmT4 | PB,PL,R=G | | |
| Oct 08 2006 1.9" | 12x50 | F,S,R=F | | |
| Mar 27 2006 8" | 19mmW | F,PS,R,R=F, LOOSELY PACKED | | |
| Dec 26 2003 8" | 25mmPL | Q/M COLD | | |
| NGC 6781 | Aql | H743-3 | Planetary Neb 3+3 | PLN,F,L,R, VSBM DISC |
| Aug 07 2016 12" | 8mm Et | PF,PS,R=G., LP3. LITTLE RING. | | |
| Sep 19 2014 12" | 11mmT6 | F,PL,OVAL,R=G, LP-2, 3 STARS INSIDE, HOME - 9/14/14 | | |
| Sep 13 2009 12" | 32mmUW | 8TH OBJECT | | |
| Oct 06 2004 8" | 11mmT6 | MB,OVAL,HISB,R=G | | |
| NGC 6783 | Cyg | | Galaxy C | EF,DIFFIC |
| Jul 21 2004 8" | 25mmPL | SHORT NIGHT - CLOUDS ROLLED IN. | | |
| NGC 6786 | Dra | | Galaxy SB? | EEF,S,R,2ST NF |
| Sep 05 2010 12" | 5.5mmN | CF,PS,OVAL,UB,NND,R=F,PA=85 | | |
| NGC 6789 | Dra | | Galaxy Im | EEF,PL,R,VDIFFIC |
| Sep 05 2010 12" | 5.5mmN | VF,PS,OVAL,UB,NND,AV,R=F,PA=120 | | |
| NGC 6790 | Aql | | Planetary Neb 2 | PLN,B,ES,STELL=9.5M |
| Aug 07 2016 12" | 8mm Et | PF,VS,R=F. LP3. EYE OF THE EAGLE | | |
| Jul 03 2005 8" | 11mmT6 | VF,VS,AV,R=F | | |
| NGC 6791 | Lyr | | Open Cluster 15.0 I 2 r | VF |
| Aug 16 2009 31" | 17mmT4 | PB,PL,R=G,TIGHT GROUP | | |
| NGC 6792 | Lyr | | Galaxy SBb | F,E26,GLBM,*9.5SF |
| Aug 16 2009 31" | 17mmT4 | PF,PS,EL,OVAL,UB,FNUC,R=G | | |
| NGC 6793 | Vul | H81-8 | Open Cluster III 2 p | CL,P,LC |
| Aug 18 2010 12" | 11mmT6 | PF,PS,R=F, STARS 10-12 | | |
| NGC 6796 | Dra | | Galaxy Sbc: sp | VF,PS,ME NS |
| Sep 05 2010 12" | 5.5mmN | CF,PS,EON,UB,NND,R=F,PA=45 | | |
| NGC 6798 | Cyg | | Galaxy S0 | F,VS,R,*VNR |
| Jul 21 2004 8" | 25mmPL | SHORT NIGHT - CLOUDS ROLLED IN. | | |
| NGC 6800 | Vul | H21-8 | Open Cluster 10.0 IV 1 p | CL,VL,PRI,VLC,ST10.. |
| Aug 18 2010 12" | 11mmT6 | PF,CS,R=P,STARS 8+? | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|---------------------------------|----------------------------------|-----------------------------|
| NGC 6801 | Cyg | | Galaxy SAcd | EF,PS,R,F*S NR |
| Jul 21 2004 8" | 25mmPL | SHORT NIGHT - CLOUDS ROLLED IN. | | |
| NGC 6802 | Vul | H14-6 | Open Cluster 14.0 I 1 m | CL,L,VC,E0,ST14...18 |
| Jul 23 2006 8" | 11mmT6 | PF,CS,R=F | | |
| NGC 6803 | Aql | | Planetary Neb 2a | PLN,STELLAR |
| Jul 25 2017 12" | 11mmT6 | VF,VS,R=F | USED LP2. | |
| Jul 03 2005 8" | 11mmT6 | VF,VS,AV,R=F | | |
| NGC 6804 | Aql | H38-6 | Planetary Neb 4+2 | CB,S,IR,RRR |
| Jul 25 2017 12" | 11mmT6 | VF,VS,R=F. | USED LP2 | |
| Sep 13 2009 12" | 32mmUW | 9TH OBJECT | | |
| Jul 03 2005 8" | 11mmT6 | VF,ML,AV,R=F | | |
| NGC 6807 | Aql | | Planetary Neb 2 | PLN,STELLAR |
| Aug 31 2008 31" | 17mmT4 | CF,CS,R,R=P, NO CENTRAL STAR | | |
| NGC 6809 | Sgr | M55 | Globular | GCL,PB,L,R,VRI,VGBM |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Aug 16 2006 1.9" | 12x50 | PF,L,R=F | | |
| Mar 27 2006 8" | 19mmW | VF,L,R=F | | |
| Jun 19 2004 8" | 25mmPL | GOOD NIGHT - MEGASTAR | | |
| NGC 6811 | Cyg | | Open Cluster 11.0 III 1 r | CL,L,PRI,LC,ST11..14 |
| Oct 30 2007 1.9" | 12x50 | F,PS,R=F | | |
| Jun 26 2004 8" | 25mmPL | CLOUDS EARLY - GIBBOUS MOON | | |
| NGC 6813 | Vul | | Nebula E | **IN VF,S NEB |
| Nov 16 2012 18" | 11mmT6 | 6-8 STARS WITH FAINT NEBULA,R=F | | |
| NGC 6814 | Aql | H744-3 | Galaxy SAB(rs)bc | PF,PL,R,BM,R |
| Jul 25 2017 12" | 11mmT6 | PF,PS,R,NND,R=F | | |
| Aug 02 2005 8" | 11mmT6 | VF,MS,R,FNUC,R=F | | |
| NGC 6818 | Sgr | H51-4 | Planetary Neb 4 | PLN,B,VS,R |
| Sep 19 2014 12" | 11mmT6 | B,S,ROUND DOT, HOME - 8/14/14 | | |
| Jul 09 2005 8" | 11mmT6 | VB,VS,R,R=G | | |
| NGC 6819 | Cyg | | Open Cluster 11.0 I 1 r | CL,VL,VRI,*11...15 |
| Oct 08 2006 1.9" | 12x50 | N.S.R=F, TIGHTER GROUP | | |
| Jul 16 2004 8" | 25mmPL | CLEAR - SEEING NOT TOO BAD | | |
| NGC 6820 | Vul | | Nebula E | F,S,R,BM |
| Jun 20 2007 1.9" | 12x50 | PF,S,R=F, JUST DETECTED | | |
| NGC 6821 | Aql | | Galaxy SB(s)d: | F,PL,R |
| Aug 31 2008 31" | 17mmT4 | CF,CS,OVAL,UB,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|--|---------------------------------|-----------------------------|
| NGC 6822 | Sgr | | Galaxy IB(s)m | VF,L,E,DIF |
| Sep 04 2004 8" | 11mmT6 | VF,L,OVAL,NND,R=F | | |
| Jul 08 2004 8" | 25mmPL | VERY CLEAR NIGHT - LEFT AT 1:00AM | | |
| NGC 6823 | Vul | H18-7 | Open Cluster 8.8 I 3 m n | CL,CRI,E,ST11...12 |
| Jun 20 2007 1.9" | 12x50 | PF,PS, STARS 6+,R=F | | |
| Jul 23 2006 8" | 11mmT6 | B,PS,R=F | | |
| NGC 6824 | Cyg | H878-2 | Galaxy SA(s)b: | PB,IF,BM |
| Nov 13 2007 8" | 11mmT6 | CF,CS,R,UB,NND,R=F | | |
| Jul 21 2004 8" | 25mmPL | SHORT NIGHT - CLOUDS ROLLED IN. | | |
| NGC 6826 | Cyg | H73-4 | Planetary Neb 3a+2 | PLN,B,PL,R,*11M |
| Jul 19 2017 12" | 11mmT6 | F,PS,R=G. SQM=20.01. 71 DEGREES OUT. | | |
| Aug 13 2010 31" | 17mmT4 | B,S,R=F, CENTRAL STAR OBSERVED AND NOTED | | |
| Nov 13 2007 8" | 11mmT6 | PB,PS,R,R=G, NO CENTRAL STAR | | |
| Oct 13 2006 8" | 19mmW | VF,PS,R=F | | |
| Sep 04 2004 8" | 11mmT6 | FAINT | | |
| NGC 6827 | Vul | | Open Cluster 13.0 I 1 m | VF,E,DIF,SEV ST INV |
| Sep 02 2016 12" | 8mm Et | F,S,R=F | | |
| NGC 6830 | Vul | H9-7 | Open Cluster 10.0 II 2 p | CL,L,PRI,PC,*11...12 |
| Jul 23 2006 8" | 11mmT6 | B,PS,R=F | | |
| NGC 6833 | Cyg | | Planetary Neb 2 | PLN,STELLAR |
| Aug 13 2010 31" | 17mmT4 | CF,VVS,R=F. STELLAR IN APPEARANCE | | |
| NGC 6834 | Cyg | H16-8 | Open Cluster 11.0 II 2 m | CL,P,LC,*11...12 |
| Jul 23 2006 8" | 19mmW | PB,PS,R=F,LOOSE GROUP | | |
| Jul 16 2004 8" | 25mmPL | CLEAR - SEEING NOT TOO BAD | | |
| NGC 6835 | Sgr | | Galaxy SB(s)a? sp | F,PL,ME |
| Aug 12 2005 8" | 7.5mmW | VF,VS,OVAL,NND,R=F | | |
| NGC 6836 | Sgr | | Galaxy SABm | VF,PL,R,DIF |
| Aug 12 2005 8" | 7.5mmW | VF,VS,R,NND,AV,R=F | | |
| NGC 6837 | Aql | H18-8 | Open Cluster IV 1 p | CL,S,P |
| Sep 05 2007 8" | 11mmT6 | PF,PS,R=F | | |

Observations Listing by Catalog Number

| NGC 6838 | Sge | M71 | Globular | CL,VL,VRI,PMC,*11.16 |
|------------------|------------|----------------|---|-----------------------------|
| Jul 08 2018 12" | 17mmT4 | B,S,R=G | | |
| Jul 19 2017 12" | 11mmT6 | F,S,R=G. | LOOKED BETTER THAN M56 | |
| Sep 02 2016 12" | 8mm Et | | NOT BAD. HAVEN'T LOOKED AT THIS ONE IN A WHILE. | |
| Oct 21 2012 8" | 11mmT6 | F,S,R=G, | ANOTHER SURPRISE UNDER THE STREETLIGHTS | |
| Mar 16 2012 18" | 17mmAT | | 2012 M.M. | |
| Mar 01 2011 12" | 17mmAT | | M.M. 2011 - MANUAL SETTING CIRCLES | |
| Mar 08 2010 12" | 26mm | | M.M. 2010 MANUAL SETTING CIRCLES | |
| Mar 20 2009 16" | 26mm | | MESSIER MARATHON - 2009 | |
| Sep 01 2008 31" | 17mmT4 | PB,PS,USB,R=G, | NICE GLOBULA | |
| Aug 20 2006 1.9" | 12x50 | F,L,R=F | | |
| Mar 27 2006 8" | 19mmW | DIFF,F,L,R=F, | LOOSELY PACKED | |
| Jul 16 2004 8" | 25mmPL | | CLEAR - SEEING NOT TOO BAD | |
| Jun 19 2004 8" | 25mmPL | | GOOD NIGHT - MEGASTAR | |

| NGC 6840 | Aql | H19-8 | Open Cluster 10.0 | cluster? CL,P,LC |
|-----------------|------------|--------------|--------------------------|-------------------------|
| Sep 05 2007 8" | 11mmT6 | PF,PS,R=F | | |

| NGC 6842 | Vul | Planetary Neb 3b | F,PL,VLE |
|-----------------|------------|-------------------------|-----------------|
| Sep 01 2008 31" | 17mmT4 | PF,PS,R=P. | NO CENTRAL STAR |

| NGC 6843 | Aql | Open Cluster 10.0 | cluster? CL,S,P |
|-----------------|------------|--------------------------|------------------------|
| Sep 05 2007 8" | 11mmT6 | PF,PS,R=F | |

| NGC 6846 | Cyg | Open Cluster 12.8 II 2 | EF,VS,3*INV |
|-----------------|------------|-------------------------------|--------------------|
| Aug 13 2010 31" | 17mmT4 | F,CS,R=F | |
| Jul 27 2009 16" | 11mmT6 | PF,VS,R=F | |

| NGC 6852 | Aql | Planetary Neb 4 | F NEB,AM ST |
|-----------------|------------|------------------------|------------------------|
| Jul 25 2017 12" | 11mmT6 | VF,VS,R=F. | USED LP2 |
| Aug 13 2010 31" | 17mmT4 | F,PS,PATCHY,R=F. | NO CENTRAL STAR NOTED. |
| Jul 03 2005 8" | 11mmT6 | VF,VS,AV,R=F | |

| NGC 6853 | Vul | M27 | Planetary Neb 3+2 | VB,VL,BIN,IE,DUMBEL |
|------------------|------------|------------|---|----------------------------|
| Jul 08 2018 12" | 17mmT4 | B,L,R=E. | NARROWBAND FILTER | |
| Sep 02 2016 12" | 8mm Et | | VERY NICE WITH/WITHOUT OIII. | |
| Aug 07 2016 12" | 8mm Et | | BRIGHT,LARGE,R=E. OUTSTANDING EVEN WITHOUT LP3. | |
| Aug 21 2015 12" | 8mm Ds | | LP2 FILTER | |
| Oct 21 2012 8" | 11mmT6 | B,L,R=G, | SURPRISE UNDER THE STREETLIGHTS | |
| Mar 16 2012 18" | 17mmAT | | 2012 M.M. | |
| Mar 01 2011 12" | 17mmAT | | M.M. 2011 - MANUAL SETTING CIRCLES | |
| Aug 31 2010 12" | 17mmAT | | NIGHT ENDING EYE CANDY | |
| Mar 08 2010 12" | 26mm | | M.M. 2010 MANUAL SETTING CIRCLES | |
| Sep 13 2009 12" | 32mmUW | | 1ST OBJECT WITH 12" SKYWATCHER & MANUAL SETTING CIRCLES | |
| Mar 20 2009 16" | 26mm | | MESSIER MARATHON - 2009 | |
| Sep 01 2008 31" | 17mmT4 | VB,CL,R=E. | NO CENTRAL STAR | |
| Aug 12 2006 1.9" | 12x50 | F,S,R,R=F | | |
| Mar 27 2006 8" | 19mmW | B,L,R=G, | LONG | |
| Aug 14 2004 8" | 11mmT6 | | | |
| Dec 26 2003 8" | 25mmPL | | Q/M COLD | |

Observations Listing by Catalog Number

| | | | | |
|---|--|--|----------------------------------|-------------------------------------|
| NGC 6857 Aug 02 2005 8" | Cyg 19mmW | H144-3 MB,VL,HISB,R=G | Nebula III | F,AM MILKY WAY ST |
| NGC 6858 Aug 18 2010 12" | Aql 11mmT6 | | Open Cluster 10.0 | cluster? CL,CL,E,PRI,ST13... |
| NGC 6864 Mar 16 2012 18" Mar 08 2010 12" Aug 16 2006 1.9" Jul 16 2006 8" Jul 09 2005 8" Jun 19 2004 8" | Sgr 17mmAT 11mmT6 12x50 19mmW 11mmT6 25mmPL | M75 2012 M.M. M.M. 2010 MANUAL SETTING CIRCLES PF,S,R=F PF,PS,R=F PB,PL,R=G,TIGHT GROUP GOOD NIGHT - MEGASTAR | Globular | GCL,B,PL,R,VMBMBN,RR |
| NGC 6865 Aug 31 2008 31" | Aql 17mmT4 | | Galaxy S0 | F,S,E |
| NGC 6866 Jul 23 2006 8" Jul 16 2004 8" | Cyg 19mmW 25mmPL | H59-7 PB,PS,R=F,EXTENDED GROUP CLEAR - SEEING NOT TOO BAD | Open Cluster 10.0 II 2 r | CL,L,VRI,CC |
| NGC 6869 Jul 27 2009 16" | Dra 11mmT6 | | Galaxy S0 | PB,PS,R |
| NGC 6871 Oct 30 2007 1.9" Oct 13 2006 8" Jun 26 2004 8" | Cyg 12x50 19mmW 25mmPL | | Open Cluster 6.8 II 2 p n | CL,ST L\$,D*INV |
| NGC 6874 Jul 27 2009 16" Jun 26 2004 8" | Cyg 11mmT6 25mmPL | H86-8 PB,PS,, LOOSE GROUP, R=F CLOUDS EARLY - GIBBOUS MOON | Non-Existent | CL,P,LC |
| NGC 6881 Aug 13 2010 31" Jul 27 2009 16" | Cyg 17mmT4 7.5mmW | | Planetary Neb 2a+3 | PLN,STELLAR |
| NGC 6882 Jul 23 2006 8" | Vul 11mmT6 | H22-8 PB,PS,R=F | Open Cluster | CL,P,LC |
| NGC 6883 Oct 30 2007 1.9" Jun 26 2004 8" | Cyg 12x50 25mmPL | | Open Cluster IV 2 m n | CL,PRI,**INV |
| NGC 6884 Jul 23 2006 8" | Cyg 11mmT6 | | Planetary Neb 2b | PLN,STELLAR |
| NGC 6885 Jul 23 2006 8" | Vul 11mmT6 | H20-8 PB,PS,R=F | Open Cluster 5.9 III 2 m | CL,VB,VL,RI,LC,*6.11 |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|-----------------------------|------------------------------------|-----------------------------|
| NGC 6886 | Sge | | Planetary Neb 2+3 | PLN,STELLAR=10M |
| Sep 01 2008 31" | 17mmT4 | PB,VS,R=F. | NO CENTRAL STAR | |
| NGC 6888 | Cyg | H72-4 | Nebula E | F,VL,VME,**ATT |
| Oct 12 2012 36" | 17mmT4 | FINE NEBULA IN CYGNUS, | OUTSTANDING OBJECT, OIII FILTER | |
| Oct 12 2012 18" | 17mmT4 | FINE OBJECT IN JOHN'S 20" | OBSESSION, OIII FILTER | |
| Jul 24 2006 8" | 25mmPL | PF,PL,PATCHEY,R=F | | |
| NGC 6891 | Del | | Planetary Neb 2a+2b | PLN,STELLAR=9.5M |
| Sep 25 2006 31" | 19mmW | PB,L,R,R=G | | |
| Aug 12 2005 8" | 7.5mmW | MF,VS,OVAL,R=F | | |
| NGC 6894 | Cyg | H13-4 | Planetary Neb 4+2 | RINGNEB,F,S,VVLE |
| Aug 13 2010 31" | 17mmT4 | F,PS,R=F. | OVAL PATCH - NO CENTRAL STAR NOTED | |
| Jul 27 2009 16" | 11mmT6 | PF,PS,ROUND, | NO VISIBLE CENTRAL STAR,R=F | |
| NGC 6897 | Cap | | Galaxy Sbc | VF,S |
| Sep 28 2008 31" | 17mmT4 | F,S,OVAL,NND,R=F | | |
| NGC 6898 | Cap | | Galaxy (R')SB(rs)a: | F,S,IR |
| Sep 28 2008 31" | 17mmT4 | CF,S,OVAL,UB,NND,R=F | | |
| NGC 6900 | Aql | | Galaxy Sb | VF,S,R |
| Aug 31 2008 31" | 17mmT4 | DIFF,PF,PS,OVAL,NND,R=F | | |
| NGC 6901 | Aql | | Galaxy SB(r)ab | EF |
| Aug 31 2008 31" | 17mmT4 | CF,CS,OVAL,FNUC,R=G | | |
| NGC 6903 | Cap | | Galaxy SAB0- pec: | CL,E,BM*17,*10ATT N |
| Sep 19 2004 8" | 7.5mmW | B,EL,FNUC,R=G | | |
| NGC 6905 | Del | H16-4 | Planetary Neb 3+3 | PLN,B,PS,R,4S*NR |
| Jul 25 2017 12" | 11mmT6 | F,PS,R=G.. | USED LP2 | |
| Aug 13 2007 31" | 31mmT5 | PF,CS,R,R=G, | CENTRAL STAR NOT VISIBLE | |
| Aug 09 2005 8" | 11mmT6 | MB,ML,PATCHY,MSB,R=G | | |
| NGC 6906 | Aql | | Galaxy SB(rs)bc: | PF,PL,R |
| Aug 02 2005 8" | 11mmT6 | MF,ML,OVAL,NND,R=F | | |
| NGC 6907 | Cap | H141-3 | Galaxy SBbc | CF,CL,VLE,VGLBM,3STP |
| Sep 19 2004 8" | 7.5mmW | VF,PATCH,,NND,AV,R=F | | |
| NGC 6908 | Cap | | Galaxy SB(s)bc | EF,VS,LE,6907P |
| Sep 28 2008 31" | 17mmT4 | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 6910 | Cyg | H56-8 | Open Cluster 9.6 I 3 m n | CL,PB,PS,P,PC,*20.12 |
| Oct 08 2006 1.9" | 12x50 | PF,PS,R=F | | |
| Jul 23 2006 8" | 19mmW | CB,PS,R=F,BRIGHTER,TIGHTER | | |
| Jun 26 2004 8" | 25mmPL | CLOUDS EARLY - GIBBOUS MOON | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|-------------------|---|----------------------------------|-----------------------------|
| NGC 6912 | Cap | | Galaxy SB(s)c | VF,2*14,15NP,*8F |
| Sep 28 2008 31" | 17mmT4 | VF,S,R,NND,R=F | | |
| NGC 6913 | Cyg M29 | | Open Cluster 9.0 II 3 m n | CL,P,LC,STL\$\$ |
| Jul 19 2017 12" | 17mmT4 | VERY NICE. R=G | | |
| Jul 01 2016 12" | 35mm A | B,L,R=G | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Aug 31 2010 12" | 17mmAT | NIGHT ENDING EYE CANDY | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Aug 16 2006 1.9" | 12x50 | B,S,R=F | | |
| Mar 27 2006 8" | 19mmW | S,LOOSE,R=F | | |
| Jun 19 2004 8" | 25mmPL | GOOD NIGHT - MEGASTAR | | |
| NGC 6914 | Cyg | | Nebula R | VF,VL,IR,DIF,2*ATT P |
| Jul 24 2006 8" | 25mmPL | PF,PS,PATCHY,R=F | | |
| NGC 6914A | Cyg | | Nebula R | |
| Aug 18 2010 12" | 11mmT6 | CF,PS,R=F,FAINT HINT OF NEBULOSITY, OIII FILTER, STARS 5+ | | |
| NGC 6914B | Cyg | | Nebula R | |
| Aug 18 2010 12" | 11mmT6 | CF,PS,R=P,FAINT HINT OF NEBULOSITY,OIII FILTER STARS 2 | | |
| NGC 6915 | Aql | | Galaxy (R')Sab? | PB,S,R |
| Aug 31 2008 31" | 17mmT4 | PB,PS,EON,UB,NND,R=G | | |
| NGC 6916 | Cyg | | Galaxy SBbc | EEF,PS,F*NR P,VDIFFI |
| Jul 21 2004 8" | 25mmPL | SHORT NIGHT - CLOUDS ROLLED IN. | | |
| NGC 6917 | Del | | Galaxy S | VF,S,ATT TO A S* |
| Sep 25 2006 31" | 19mmW | F,L,OVAL,ND,R=F | | |
| NGC 6921 | Vul | | Galaxy SA(r)0/a: | F,S,E |
| Sep 01 2008 31" | 17mmT4 | PF,S,R,FNUC,R=F | | |
| NGC 6922 | Aql | | Galaxy SA(rs)c pec: | VF,PL,R |
| Aug 31 2008 31" | 17mmT4 | VF,CS,OVAL,NND,R=P | | |
| NGC 6924 | Cap | | Galaxy SA(s)0-: | VF,PS,R,SBMN |
| Sep 28 2008 31" | 17mmT4 | PF,ES,OVAL,UB,NND,R=F | | |
| NGC 6926 | Aql H142-3 | | Galaxy SB(s)bc pec | VF,PL,E176,P OF 2 |
| Aug 31 2008 31" | 17mmT4 | DIFF,CF,S,OVAL,NND,R=F | | |
| Aug 02 2005 8" | 11mmT6 | VF,VS,NND,AV,R=F | | |
| NGC 6927 | Del | | Galaxy S0: sp | EF,LE |
| Aug 31 2008 31" | 17mmT4 | VF,VS,OVAL,NND,R=F | | |
| Sep 25 2006 31" | 19mmW | PF,S,OVAL,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|--------------------------------------|----------------------------------|-----------------------------|
| NGC 6927A | Del | | Galaxy E6: | |
| Aug 31 2008 31" | 17mmT4 | VF,VS,R,NND,AV,R=P | | |
| Sep 25 2006 31" | 19mmW | VF,S,OVAL,NND,AV,R=F | | |
| NGC 6928 | Del | | Galaxy SB(s)ab | PB,PL,ME |
| Aug 31 2008 31" | 17mmT4 | PF,PS,EON,FNUC,MSB,R=F | | |
| Sep 25 2006 31" | 19mmW | PB,PL,EON,FNUC,HISB.R=G | | |
| NGC 6929 | Aql | | Galaxy SA0+ pec: | VF,VS,SF OF 2 |
| Aug 31 2008 31" | 17mmT4 | PF,CS,R,UB,NND,R=G | | |
| NGC 6930 | Del | | Galaxy SB(s)ab? sp | F,ME |
| Aug 31 2008 31" | 17mmT4 | DIFF,PF,PS,OVAL,NND,R=F | | |
| Sep 25 2006 31" | 19mmW | PF,PS,OVAL,NND,R=F | | |
| NGC 6931 | Cap | | Galaxy Sb pec? | EF,PS,E120,GBM |
| Sep 28 2008 31" | 17mmT4 | PF,S,OVAL,UB,NND,R=F | | |
| NGC 6934 | Del | H103-1 | Globular | GCL,B,L,R,RRR,*16... |
| Oct 25 2009 12" | 11mmT6 | PB,PS,R=G. RESOLVE OUTER STARTS ONLY | | |
| Aug 31 2008 31" | 17mmT4 | PB,PS,R=G | | |
| Oct 08 2006 1.9" | 12x50 | F,S,R=F, SMALL SMUDGE. | | |
| Aug 20 2006 1.9" | 12x50 | B,L,R=G | | |
| Jul 23 2006 8" | 7.5mmW | PB,CS,R,R=G | | |
| Jun 26 2004 8" | 25mmPL | CLOUDS EARLY - GIBBOUS MOON | | |
| NGC 6936 | Cap | | Galaxy SA0- sp: | VF,VS,R,SLBM |
| Sep 28 2008 31" | 17mmT4 | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 6939 | Cep | H42-6 | Open Cluster 11.9 II 1 r | CL,PL,ERI,PCM,*11.16 |
| Oct 10 2004 8" | 11mmT6 | MF,R=F, LARGE O.C. LOTS OF STARS | | |
| Oct 06 2004 8" | 7.5mmW | MF,R=F | | |
| NGC 6940 | Vul | H8-7 | Open Cluster 11.0 III 2 r | CL,VB,VL,VRI,CC,STPL |
| Jul 19 2017 12" | 17mmT4 | VERY NICE. FULL AND SCATTERED. | | |
| Nov 14 2006 1.9" | 12x50 | F,S,LOOSER,R=F | | |
| Jul 23 2006 8" | 11mmT6 | PB,PL,R=G | | |
| NGC 6941 | Aql | | Galaxy SAB(rs)b | EF,LE,LBM |
| Aug 31 2008 31" | 17mmT4 | DIFF,PF,S,OVAL,NND,R=P | | |
| NGC 6944 | Del | | Galaxy S0-: | PF,S,R |
| Sep 25 2006 31" | 19mmW | PB,,L,OVAL,NND,R=F | | |
| NGC 6944A | Del | | Galaxy SB(rs)d pec: | |
| Sep 25 2006 31" | 19mmW | PF,PS,OVAL,NND,AV,R=F | | |
| NGC 6945 | Aqr | | Galaxy S0- | PF,VS,R,MBM |
| Sep 13 2007 31" | 17mmT4 | PB,PL,OVAL,UB,NND,R=G | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|--|------------------------------|-----------------------------|
| NGC 6946 | Cep | H76-4 | Galaxy SAB(rs)cd | VF,VL,VG,VSBM,RR |
| Aug 31 2010 12" | 7mm TV | DIFF,PF,S,OVAL,MEXT,UB,NND,R=G. PA=180 | | |
| Nov 03 2004 8" | 11mmT6 | MB,OVAL,NND,MSB,R=G | | |
| Oct 10 2004 8" | 11mmT6 | MF,OVAL,PATCH,NND,R=F | | |
| NGC 6949 | Cep | | Galaxy S? | EF,PS,IR |
| Nov 16 2012 18" | 5mm TV | VF,VS,R,UB,R=F | | |
| NGC 6950 | Del | H23-8 | Open Cluster cluster? | CL,P,VLC |
| Aug 18 2010 12" | 11mmT6 | PF,PS,R=F,LOOSE,STARS 30+ | | |
| NGC 6951 | Cep | | Non-Existent | PB,PL,LE |
| Aug 21 2004 8" | 11mmT6 | CLEAR SKIES - H.H. LITE. 1ST REAL TEST | | |
| NGC 6952 | Cep | | Galaxy SAB(rs)bc | PB,OVAL,DIF,*15NR F |
| Aug 25 2011 12" | 5mm TV | PF,CS,R,UB,FNUC,R=G | | |
| NGC 6954 | Del | | Galaxy SA0+? | F,S,VLE |
| Sep 25 2006 31" | 19mmW | FB,FL,OVAL,ND,R=G | | |
| NGC 6955 | Del | | Galaxy SAB(r)bc | EF,PL,R |
| Sep 25 2006 31" | 19mmW | PF,L,R,NND,AV,R=F | | |
| NGC 6956 | Del | H219-3 | Galaxy SBb | VF,S,STELL,**ATT |
| Sep 25 2006 31" | 19mmW | PB,L,OVAL,NND,R=G | | |
| NGC 6957 | Del | | Galaxy Scd? | VF,S,R |
| Sep 25 2006 31" | 19mmW | VF,VS,R,NND,AV,R=F | | |
| NGC 6959 | Aqr | | Galaxy (R)S0^ pec: | VF |
| Sep 13 2007 31" | 17mmT4 | PB,PS,EON,UB,FNUC,R=G | | |
| NGC 6960 | Cyg | H15-5 | Nebula E | PB,CL,EIF,KAPPACYGIN |
| Jul 08 2018 12" | 35mm A | B,L,R=E!! NARROWBAND FILTER | | |
| Jul 19 2017 12" | 27m PN | F,L,R=E. LP2. NICE CONTRAST | | |
| Jul 01 2016 12" | 35mm A | GREAT,R=E!! LP2 FILTER | | |
| Jul 25 2011 12" | 32mmUW | B,VL,R=E!! LP-2 FILTER, EXTENDS N.E. TO S.W WITH N.E. LARGER | | |
| Jun 20 2007 1.9" | 12x50 | PF,PL,R=F, HINT OF NEBULOSITY | | |
| Jul 16 2004 8" | 25mmPL | CLEAR - SEEING NOT TOO BAD | | |
| NGC 6961 | Aqr | | Galaxy E+ pec? | EF,VS |
| Sep 13 2007 31" | 17mmT4 | CF,CS,R,NND,R=F | | |
| NGC 6962 | Aqr | H426-2 | Galaxy SAB(r)ab | CF,S,R,BM |
| Sep 13 2007 31" | 17mmT4 | CB,CL,OVAL,FNUC,MSB,R=G | | |
| NGC 6963 | Aqr | | Galaxy S0^: | NEB*13M |
| Sep 13 2007 31" | 17mmT4 | PF,PS,OVAL,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|--|---|---|---------------------------|-----------------------------|
| NGC 6964 Sep 13 2007 31" | Aqr 17mmT4 | H427-2 CB,CL,OVAL,FNUC,MSB,R=G | Galaxy E+ pec: | F,VS,R,BM,*14SF1/2' |
| NGC 6967 Sep 13 2007 31" | Aqr 17mmT4 | CB,PL,EL,OVAL,FNUC,MSB,R=G | Galaxy SB(rs)0+? | EF,VS,*10F50" |
| NGC 6968 Sep 13 2007 31" | Aqr 17mmT4 | PB,PS,OVAL,FNUC,MSB,R=G | Galaxy SA0- pec? | F,S,R,GBM,F*INV |
| NGC 6969 Sep 25 2006 31" | Del 19mmW | PB,L,EON,NND,R=G | Galaxy Sa | F,PL,E |
| NGC 6971 Sep 25 2006 31" | Del 19mmW | F,L,EL,OVAL,NND,R=F | Galaxy Sb | VF,S,R |
| NGC 6972 Sep 25 2006 31" | Del 19mmW | B,L,EL,OVAL,FNUC,R=G | Galaxy S0/a | F,S,R |
| NGC 6974 Aug 07 2016 12" Aug 18 2010 12" | Cyg 27m PN 11mmT6 | BRIGHT,LARGE,R=E. LP3. CF,PS,R=P,LONG-NARROW,OIII FILTER | Nebula EN | NEB*,NEBY CE PF |
| NGC 6975 Sep 13 2007 31" | Aqr 17mmT4 | CF,PL,EON,NND,R=F | Galaxy S? | VF,S,(=6976) |
| NGC 6976 Sep 13 2007 31" | Aqr 17mmT4 | PF,PL,R,NND,R=F | Galaxy SAB(r)bc? | EF,IR |
| NGC 6977 Sep 13 2007 31" | Aqr 17mmT4 | PB,PL,OVAL,UB,NND,R=G | Galaxy SB(r)a pec: | VF,S,IR |
| NGC 6978 Sep 13 2007 31" | Aqr 17mmT4 | CB,PL,EON,FNUC,MSB,R=G | Galaxy Sb | VF |
| NGC 6979 Aug 07 2016 12" Jun 20 2007 1.9" | Cyg 27m PN 12x50 | H206-2 BRIGHT,LARGE,F=E. LP3. SQM-19.81, 62 DEGREES F. PF,PL,R=F, HINT OF NEBULOSITY | Non-Existent | |
| NGC 6981 Sep 13 2009 12" Oct 08 2006 1.9" Oct 06 2004 8" Jun 19 2004 8" | Aqr 32mmUW 12x50 11mmT6 25mmPL | M72 2ND OBJECT. VF,S,R=F PB,L,R=G,TIGHT GROUP GOOD NIGHT - MEGASTAR | Globular | GCL,PB,PL,R,GMCM,RRR |
| NGC 6986 Sep 28 2008 31" | Cap 17mmT4 | F,S,OVAL,FNUC,R=F | Galaxy SB0-? | VF,VS,R,GLBMN |
| NGC 6988 Sep 25 2006 31" | Del 19mmW | PF,PS,R,NND,R=F | Galaxy | EF,PL,R |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|--|---------------------------------|------------------------------|
| NGC 6991 | Cyg | H76-8 | Open Cluster 5.7 III 2 n | CL,L,P,VLC |
| Nov 13 2007 8" | 11mmT6 | PB,PL,R=G,STARS=30+, 3 ROWS? | | |
| NGC 6992 | Cyg | H14-5 | Nebula E | EF,EL,EE,EIF,BIFID |
| Jul 01 2016 12" | 35mm A | GREAT,R=E!! LP2 FILTER | | |
| Jul 25 2011 12" | 32mmUW | B,L,R=E! LP-2 FILTER, WISPY FILEMENTS | | |
| Jun 20 2007 1.9" | 12x50 | PF,L,R=F, HINT OF NEBULOSITY | | |
| Jun 26 2004 8" | 25mmPL | CLOUDS EARLY - GIBBOUS MOON | | |
| NGC 6994 | Aqr | M73 | Open Cluster 11.1 IV 1 p | CL,EP,VLC,NO NEB |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Oct 08 2006 1.9" | 12x50 | F,S,R=F | | |
| Mar 27 2006 8" | 19mmW | R=P, 4 STARS? | | |
| Jun 19 2004 8" | 25mmPL | GOOD NIGHT - MEGASTAR | | |
| NGC 6995 | Cyg | Non-Existent | | F,EL,NEB\$ST INGROUPS |
| Jul 08 2018 12" | 35mm A | B,L,R=E!! NARROWBAND FILTER | | |
| Jul 19 2017 12" | 27m PN | F,L,R=E!! LP2 FILTER. SHOWPIECE OBJECT. | | |
| Jun 20 2007 1.9" | 12x50 | PF,PL, R=F, HINT OF NEBULOSITY | | |
| Aug 02 2005 8" | 19mmW | VB,VL,PATCHY,R=G. NEAT | | |
| NGC 6996 | Cyg | Open Cluster 11.0 III 2 m n | CL,P,LC | |
| Aug 18 2010 12" | 11mmT6 | F,S,R=F,NICE GROUPING, STARS 20+ | | |
| NGC 6997 | Cyg | H58-8 | Open Cluster III 2 m n | CL,P,LC,ST L |
| Nov 13 2007 8" | 11mmT6 | PF,PS,LOOSE GROUP, R=F | | |
| Aug 23 2004 8" | 11mmT6 | DAMP - SEEING NOT TOO BAD. | | |
| Jul 16 2004 8" | 25mmPL | CLEAR - SEEING NOT TOO BAD | | |
| NGC 7000 | Cyg | H37-5 | Nebula E | F,EEL,DIF NEBULOSITY |
| Jul 08 2018 12" | 35mm A | B,L,R=E!! NARROWBAND FILTER | | |
| Jul 19 2017 12" | 35mm A | OUTSTANDING. | | |
| Jul 01 2016 12" | 35mm A | GREAT,R=E!! LP2 FILTER | | |
| Aug 21 2015 12" | 35mm A | LP2 FILTER | | |
| Jul 15 2015 12" | 35mm A | LP2 FILTER - VERY NICE OBJECT | | |
| Jul 25 2011 12" | 32mmUW | B,VL,R=E!! LP-2 FILTER, OUTSTANDING | | |
| Jun 20 2007 1.9" | 12x50 | F,EL,R=G, LITTLE BETTER | | |
| Aug 02 2005 8" | 19mmW | PRETTY LARGE, PRETTY BRIGHT, PRETTY NEAT | | |
| NGC 7001 | Aqr | Galaxy SAB(rs)ab: | | EF,S,E0 |
| Sep 13 2007 31" | 17mmT4 | PF,PL,OVAL,UB,NND,R=F | | |
| NGC 7003 | Del | Galaxy Sbc | | VF,VS,LE,*15CLOSE F |
| Sep 25 2006 31" | 19mmW | F,L,OVAL,PATCHY,NND,R=F | | |
| NGC 7006 | Del | H52-1 | Globular | B,PL,R,GBM |
| Oct 21 2006 31" | 20mmUW | FB,L,STELLAR, RESOLVE OUTERMOST STARS. | | |
| Jul 23 2006 8" | 7.5mmW | VF,CS,R,R=F | | |
| Jun 26 2004 8" | 25mmPL | CLOUDS EARLY - GIBBOUS MOON | | |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|--|--------------------------|-----------------------------|
| NGC 7008 | Cyg | H192-1 | Planetary Neb 3 | CB,L,E45,R,**ATT |
| Aug 02 2005 8" | 19mmW | FB,FL,R=G, BEHIND STAR | | |
| NGC 7009 | Aqr | H1-4 | Planetary Neb 4+6 | PLN,VB,S,ELLIPTIC |
| Jul 08 2018 12" | 8mm Et | B,MS,R=G. SATURN NEBULA | | |
| Aug 21 2015 12" | 8mm Ds | | | |
| Oct 29 2006 8" | 19mmW | F,VS,OVAL,R=F | | |
| Sep 27 2005 31" | 17mmT4 | VB,VL,OVAL,HISB,R=G!! | | |
| Jul 08 2004 31" | 17mmT4 | GREAT IN THE BIG ONE! | | |
| Jul 08 2004 8" | 25mmPL | SMALL IN 8_DOBSON | | |
| NGC 7010 | Aqr | | Galaxy E+ pec: | EF,PL,R,R |
| Sep 13 2007 31" | 17mmT4 | PB,PL,EL,OVAL,FNUC,R=G | | |
| NGC 7013 | Cyg | H203-2 | Galaxy SA(r)0/a | PB,CS,R,PSBM,PB*NP |
| Jul 21 2004 8" | 25mmPL | SHORT NIGHT - CLOUDS ROLLED IN. | | |
| NGC 7016 | Cap | | Galaxy E0 | VF,ES,R,BMN,1ST OF 3 |
| Sep 28 2008 31" | 17mmT4 | F,S,R,NND,R=F | | |
| NGC 7017 | Cap | | Galaxy S0 | EF,VS,R,BMN,2ND OF 3 |
| Sep 28 2008 31" | 17mmT4 | CF,S,R,UB,NND,R=F | | |
| NGC 7018 | Cap | | Galaxy E | VF,VS,VLE,GLBM,3 OF3 |
| Sep 28 2008 31" | 17mmT4 | VF,S,OVAL,NND,AV,R=F | | |
| NGC 7019 | Cap | | Galaxy SB(s)b: | VF,VS,R,SBMN |
| Sep 28 2008 31" | 17mmT4 | VF,VS,R,NND,AV,R=F | | |
| NGC 7023 | Cep | H74-4 | Nebula R | *7IN EF,EL,NEBY |
| Jul 08 2018 12" | 17mmT4 | B,L,R=E. IRIS NEBULA | | |
| Nov 13 2007 8" | 19mmW | PF,PS,HINT OF NEBULOSITY,R=F | | |
| NGC 7024 | Cyg | H57-8 | Non-Existent | CL,P,LC,ST10... |
| Jul 27 2009 16" | 11mmT6 | PF,PS,R=F, SMALL GROUP | | |
| NGC 7025 | Del | | Galaxy Sa | VF,VS,R,STELL |
| Sep 10 2015 12" | 7mm TV | PF,PS,OVAL,UB,NND,R=F | | |
| Sep 25 2006 31" | 19mmW | PB,L,OVAL,FNUC,PHISB,R=G | | |
| NGC 7026 | Cyg | | Planetary Neb 3a | PB,BIN,PLN |
| Jul 07 2018 12" | 8mm Et | B,PS,R=G | | |
| Aug 24 2005 8" | 11mmT6 | MF,MS,PATCHY,AV,R=F | | |
| NGC 7027 | Cyg | | Planetary Neb 3a | PLN,STELLAR=8.5M |
| Aug 24 2005 8" | 7.5mmW | VB,VS,R,R=F | | |
| NGC 7029 | Ind | | Galaxy E6: | B,CS,R,PGMBM |
| Aug 07 2016 12" | 8mm Et | PB,PS,R=E. LP3. NO CENTRAL STAR NOTED. | | |

Observations Listing by Catalog Number

| | | | |
|---|--|----------------------------------|-----------------------------|
| NGC 7030 Sep 28 2008 31" | Cap 17mmT4 PF,S,OVAL,UB,NND,R=F | Galaxy (R')SB(r)ab pec | VF,VS,IR,BMN |
| NGC 7031 Jul 24 2006 8" | Cyg H74-8 11mmT6 CF,CS,R=F | Open Cluster 11.3 III 2 m | CL OF TRIP ST,LC |
| NGC 7035 Sep 28 2008 31" | Cap 17mmT4 VF,VS,OVAL,NND,AV,R=P | Galaxy SAB(s)0: | EF,S,IR |
| NGC 7035A Sep 28 2008 31" | Cap 17mmT4 VF,VS,OVAL,NND,AV,R=F | Galaxy L | |
| NGC 7039 Jun 26 2004 8" | Cyg 25mmPL CLOUDS EARLY - GIBBOUS MOON | Open Cluster 11.3 IV 2 m | CL,VL,PRI,E,ST,10... |
| NGC 7042 Sep 24 2016 12" Aug 21 2015 12" Oct 06 2004 8" | Peg H209-3 8mm Et F,S,OVAL,MEXT,UB,NND,R=F 8mm Ds 7.5mmW VF,OVAL,FNUC,R=G | Galaxy Sb | VF,S,R |
| NGC 7044 Jul 23 2006 8" | Cyg H24-6 19mmW B,S,R=F | Open Cluster 15.0 I 1 r | CL,VF,PL,VRI,VC |
| NGC 7046 Sep 19 2014 18" | Equ H858-3 8mm Ds VF,PS,OVAL,UB,NND,R=F, WRO - 9/19/14 | Galaxy SB(rs)cd | EF,PL,R,LBM |
| NGC 7047 Sep 13 2007 31" | Aqr 17mmT4 PB,PL,EL,OVAL,UB,FNUC,R=G | Galaxy SAB(r)b: | EF,VS,BIN PF |
| NGC 7048 Aug 24 2005 8" | Cyg 7.5mmW VF,ML,PATCHY,AV,R=F | Planetary Neb 3b | PF,PL,DIF,IR,VLBM |
| NGC 7051 Sep 13 2007 31" | Aqr 17mmT4 PB,PL,OVAL,FNUC,MSB,R=G | Galaxy SB(r)a pec | VF,R,GBM,**NR |
| NGC 7052 Sep 01 2011 31" Sep 01 2008 31" | Vul H145-3 17mmT4 PB,PS,OVAL,PEXT,FNUC,R=G 17mmT4 PF,S,EL,OVAL,UB,NND,R=F | Galaxy E | F,S,VLE,R |
| NGC 7053 Sep 01 2011 12" Oct 07 2010 12" | Peg 17mmT4 PF,PS,R,FNUC,R=G 7mm TV VF,VS,OVAL,UB,NND,R=F,PA=80 | Galaxy S? | PB,S,VLE |
| NGC 7056 Oct 18 2009 12" | Peg 11mmT6 VF,VS,R,UB,NND,AV,R=F | Galaxy SBb | PF,S,R |
| NGC 7062 Jul 23 2006 8" | Cyg H51-7 19mmW PB,PS,R=F | Open Cluster 10.1 II 2 m | CL,PS,PRI,PC,ST13... |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|----------------------------|---------------------------------|----------------------------|
| NGC 7063 | Cyg | | Open Cluster 8.9 III 1 p | CL,P,ST10... |
| Oct 08 2006 1.9" | 12x50 | F,S,R=F | | |
| Jul 24 2006 8" | 11mmT6 | CF,S,R=F | | |
| NGC 7065 | Aqr | | Galaxy SB(r)ab? | VF,SBM, |
| Sep 13 2007 31" | 17mmT4 | CF,PS,R,NND,AV,R=F | | |
| NGC 7065A | Aqr | | Galaxy SAB(r)c pec? | |
| Sep 13 2007 31" | 17mmT4 | PF,PL,R,PATCHY,NND,R=F | | |
| NGC 7066 | Peg | | Galaxy S? | EEF,CLOSE SF OF 3F* |
| Sep 13 2007 31" | 17mmT4 | PB,PS,R,BNUC,HISB,R=G | | |
| NGC 7067 | Cyg | H50-7 | Open Cluster 11.2 II 1 p | CL,P,(NEB) |
| Jul 24 2006 8" | 11mmT6 | CF,VS,R=F | | |
| NGC 7068 | Peg | | Galaxy Sc | VF,CLOSE TO A S* |
| Sep 27 2013 18" | 7mm TV | PF,PS,OVAL,MEXT,UB,NND,R=F | | |
| NGC 7069 | Aqr | | Galaxy SAB(s)0-? | VF,S,R,STELL |
| Sep 13 2007 31" | 17mmT4 | PB,PS,OVAL,UB,FNUC,R=G | | |
| NGC 7071 | Cyg | | Non-Existent | CL,S,C,CE |
| Aug 24 2005 8" | 11mmT6 | R=P, DISAPPOINTING | | |
| NGC 7073 | Cap | | Galaxy Sa/b | VF,VS,IR |
| Sep 28 2008 31" | 17mmT4 | VF,S,R,NND,R=F | | |
| NGC 7074 | Peg | | Galaxy C | VF,S,E |
| Sep 27 2013 18" | 7mm TV | VF,VS,EON,UB,NND,R=F | | |
| NGC 7077 | Aqr | | Galaxy S0- pec? | F |
| Sep 13 2007 31" | 17mmT4 | PB,PS,OVAL,FNUC,MSB,R=G | | |

Observations Listing by Catalog Number

| NGC | 7078 | Peg | M15 | Globular | GCL,VB,VL,IR,VSMBM |
|------------|------------------|------------|---|---------------------------------|-----------------------------|
| | Jul 08 2018 12" | 17mmT4 | PB,L,R=E | | |
| | Sep 02 2016 12" | 17mmT4 | NICE. 1ST OBJECT FOR THE NIGHT | | |
| | Aug 07 2016 12" | 8mm Et | FAINT,SMALL,R=E. FIRST OBJECT IN PEGASUS THIS YEAR. | | |
| | Aug 21 2015 12" | 17mmT4 | | | |
| | Aug 15 2015 12" | 11mmT6 | | | |
| | Jul 15 2015 12" | 17mmT4 | | | |
| | Sep 19 2014 12" | 17mmAT | 5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14 | | |
| | Jul 13 2013 18" | 7mm TV | MORE EYE CANDY | | |
| | Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| | Aug 31 2010 12" | 17mmAT | NIGHT ENDING EYE CANDY | | |
| | Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| | Sep 13 2009 12" | 32mmUW | 5TH OBJECT | | |
| | Oct 29 2008 16" | 32mmUW | NICE, BRIGHT, CAN'T RESOLVE INDIVIDUAL STARS | | |
| | Oct 21 2006 31" | 20mmUW | VB,VL,STELLAR,RESOLVABLE, F.L. 2, 20MM | | |
| | Aug 20 2006 1.9" | 12x50 | B,S,R=F | | |
| | Mar 27 2006 8" | 19mmW | B,S,R=G, TIGHT GROUP | | |
| | Oct 31 2004 1.9" | 12x50 | R=G | | |
| | Jul 16 2004 8" | 25mmPL | CLEAR - SEEING NOT TOO BAD | | |
| | Dec 28 2003 8" | 25mmPL | Q/M COLD | | |
| NGC | 7080 | Vul | | Galaxy SB(r)b | VF,S,VLE |
| | Sep 01 2008 31" | 17mmT4 | PF,S,R,FNUC,R=F | | |
| NGC | 7081 | Aqr | H859-3 | Galaxy Sb pec? | F,S,R,MBM,*14S |
| | Sep 13 2007 31" | 17mmT4 | PB,PL,R,UB,NND,R=G | | |
| NGC | 7082 | Cyg | H52-7 | Open Cluster 9.9 IV 2 p | CL,L,CRI,LC,ST10..13 |
| | Nov 13 2007 8" | 11mmT6 | PF,PS,R=F | | |
| | Jun 26 2004 8" | 25mmPL | CLOUDS EARLY - GIBBOUS MOON | | |
| NGC | 7086 | Cyg | H32-6 | Open Cluster 10.2 II 2 m | CL,CL,VRI,PC,*11..16 |
| | Jul 23 2006 8" | 19mmW | PB,PS,R=F | | |
| NGC | 7089 | Aqr | M2 | Globular | GCL,B,VL,GPMBM,RRR |
| | Oct 05 2016 12" | 11mmT6 | B,L,R=G | | |
| | Sep 02 2016 12" | 8mm Et | VERY NICE. SQM-19.67 | | |
| | Aug 15 2015 12" | 8mm Ds | DITTO | | |
| | Aug 31 2010 12" | 17mmAT | NIGHT ENDING EYE CANDY | | |
| | Oct 29 2008 16" | 32mmUW | SAME,DIMMER, CAN'T RESOLVE INDIVIDUAL STARS | | |
| | Oct 21 2006 31" | 20mmUW | VB,FL,STELLAR, RESOLVABLE | | |
| | Mar 27 2006 8" | 19mmW | B,S,R=G, TIGHT GROUP | | |
| | Oct 31 2004 1.9" | 12x50 | R=F | | |
| | Jun 19 2004 8" | 25mmPL | GOOD NIGHT - MEGASTAR | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|--|---------------------------------|-----------------------------|
| NGC 7092 | Cyg | M39 | Open Cluster 7.0 III 2 m | CL,VL,VP,VLC,*7...10 |
| Jul 19 2017 12" | 17mmT4 | LARGER THAN M29 | | |
| Jul 01 2016 12" | 35mm A | B,S,R=G | | |
| Aug 21 2015 12" | 17mmT4 | | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 26mm | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Aug 16 2006 1.9" | 12x50 | B,S,R=F | | |
| Mar 27 2006 8" | 19mmW | S,LOOSE,R=F | | |
| Jun 19 2004 8" | 25mmPL | GOOD NIGHT - MEGASTAR | | |
| NGC 7094 | Peg | | Planetary Neb 4 | *IN EEF NEBY,VDIFFIC |
| Sep 05 2010 28" | 26mm | PF,PS,R,R=F,OII, NO CENTRAL STAR NOTED | | |
| Aug 29 2010 12" | 7mm TV | VF,CS,AV,R=F. NO CENTRAL STAR NOTED. | | |
| NGC 7099 | Cap | M30 | Globular | GCL,B,L,LE,GPMBM |
| Aug 16 2006 1.9" | 12x50 | PF,S,R=F | | |
| Aug 12 2005 8" | 7.5mmW | B,L,R=G, RESOLVE OUTER STARS | | |
| Jun 19 2004 8" | 25mmPL | *** LAST MESSIER OBJECT *** | | |
| NGC 7102 | Peg | | Galaxy SB(rs)b? | F,PL,R |
| Jul 27 2009 16" | 11mmT6 | VF,PS,OVAL,NND,AV,R=F | | |
| NGC 7103 | Cap | | Galaxy E+1 | VF,VS,R,GBM,1ST OF 2 |
| Sep 28 2008 31" | 17mmT4 | CF,CS,R,UB,NND,R=F | | |
| NGC 7104 | Cap | | Galaxy E0 pec: | VF,VS,IR,GBMN,2NDOF2 |
| Sep 28 2008 31" | 17mmT4 | F,S,R,UB,NND,R=F | | |
| NGC 7108 | Aqr | | Galaxy E | VF,S,R,STELL |
| Oct 05 2005 31" | 17mmT4 | F,ML,OVAL,DIFF,FNUC,R=F | | |
| NGC 7116 | Cyg | | Galaxy S? | VF,PL,ME |
| Jul 21 2004 8" | 25mmPL | SHORT NIGHT - CLOUDS ROLLED IN. | | |
| NGC 7120 | Aqr | | Galaxy Sb | VF,S,VLE |
| Sep 13 2007 31" | 17mmT4 | PF,PS,EL,OVAL,UB,NND,R=F | | |
| NGC 7121 | Aqr | | Galaxy SB(r)bc? | VF,VS,R,VLBM |
| Sep 13 2007 31" | 17mmT4 | PB,PS,OVAL,UB,NND,R=F | | |
| NGC 7127 | Cyg | | Open Cluster IV 1 p | CL,S,P,LC |
| Jul 23 2007 8" | 19mmW | PF,CS,R=F,SMUDGE, NO STARS | | |
| NGC 7128 | Cyg | H40-7 | Open Cluster 11.5 I 3 m | CL,S,PRI,HASARUBY*9 |
| Jul 23 2006 8" | 19mmW | PF,CS,R=F,SMUDGE, NO STARS | | |

Observations Listing by Catalog Number

| | | | | |
|---|--|--|--------------------------------|-----------------------------|
| NGC 7129 Nov 13 2007 8" | Cep 19mmW | H75-4 PF,CS,LOOSE CLUSTER, HINT OF NEBULOSITY,R=F | Nebula IV 2 p n | CF,PL,GBM*** |
| NGC 7131 Sep 28 2008 31" | Cap 17mmT4 | PF,CS,EL,OVAL,UB,NND,R=F | Galaxy (R')SA(rs)0^? | VF,S,VLE,VGBM |
| NGC 7137 Sep 24 2016 12" Oct 06 2004 8" | Peg 8mm Et 7.5mmW | PF,S,OVAL,UB,NND,R=F VF,OVAL,NND,AV,R=F | Galaxy SAB(rs)c | F,PS,R,VGLBM,R |
| NGC 7139 Oct 18 2009 12" | Cep 11mmT6 | H696-3 VF,PS,R=F. NO OTHER DETAIL = FAINT SMUDGE | Planetary Neb 3b | VF,CS,R,R |
| NGC 7142 Nov 03 2004 8" | Cep 11mmT6 | H66-7 | Open Cluster 11.0 I 2 r | CL,CL,CRI,PC,*11..14 |
| NGC 7148 Sep 25 2006 31" | Peg 19mmW | PF,PS,R,NND,R=F | Galaxy C | VF,VS,R |
| NGC 7149 Sep 25 2006 31" | Peg 19mmW | FB,L,EL,OVAL,NND,R=G | Galaxy E | VF,VS,R |
| NGC 7156 Jul 27 2009 16" | Peg 11mmT6 | H452-3 PF,PS,OVAL,UB,NND,R=F | Galaxy SAB(rs)cd: | F,PL,R,BM,R |
| NGC 7160 Jul 21 2007 1.9" Nov 09 2006 8" Jul 24 2006 8" Aug 23 2004 8" | Cep 12x50 19mmW 11mmT6 11mmT6 | H67-8 PF,PS,AV,R=F VS, COMPRESSED,R=F PB,S,R=F DAMP - SEEING NOT TOO BAD. | Open Cluster 7.0 I 3 p | CL,P,VLC |
| NGC 7164 Sep 13 2007 31" | Aqr 17mmT4 | CF,PS,OVAL,NND,R=F | Galaxy SAB(rs)0+ pec: | EF,R,4VF ST N |
| NGC 7165 Sep 13 2007 31" | Aqr 17mmT4 | H930-3 PB,PS,R,UB,NND,R=F | Galaxy SB(r)ab | EF |
| NGC 7167 Sep 13 2007 31" Sep 05 2007 8" | Aqr 17mmT4 11mmT6 | VF,PL,R,NND,AV,R=F PF,VS,R,NND,R=F | Galaxy SB(s)c: | F,PS,R,VGLBM,*10F |
| NGC 7170 Sep 13 2007 31" | Aqr 17mmT4 | PB,PS,OVAL,FNUC,MSB,R=G | Galaxy SA0-? | VF,PS,IR,BMN,D*P36S |
| NGC 7171 Oct 05 2005 31" | Aqr 17mmT4 | H692-3 F,PL,EL,OVAL,NND,R=F | Galaxy SB(rs)b | VF,CL,E124,VGBM |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|--|------------------------------|-----------------------------|
| NGC 7177 | Peg | H247-2 | Galaxy SAB(r)b | PB,PS,R,BMN,R,*SP |
| Sep 24 2016 12" | 8mm Et | PF,PS,OVAL,UB,NND,R=G | | |
| Sep 01 2011 31" | 17mmT4 | PB,PS,OVAL,PEXT,BNUC,R=G | | |
| Jul 21 2004 8" | 25mmPL | SHORT NIGHT - CLOUDS ROLLED IN. | | |
| NGC 7180 | Aqr | H693-3 | Galaxy S0^? | VF,S,R,LBM,P OF 2 |
| Sep 13 2007 31" | 17mmT4 | PB,PS,EL,OVAL,FNUC,MSB,R=G | | |
| NGC 7181 | Aqr | | Galaxy S0^ pec: | EF,VS,STELLAR |
| Sep 13 2007 31" | 17mmT4 | PF,PS,R,UB,NND,R=F | | |
| NGC 7182 | Aqr | | Galaxy SB(rs)0+: | EF,VS,STELLAR |
| Sep 13 2007 31" | 17mmT4 | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 7183 | Aqr | H595-2 | Galaxy S0+ pec sp | VF,PL,E90,LBM |
| Sep 13 2007 31" | 17mmT4 | PB,PL,EON,UB,FNUC,R=G | | |
| NGC 7184 | Aqr | H1-2 | Galaxy SB(r)c | PB,PL,ME64,BET3*,ER |
| Sep 13 2007 31" | 17mmT4 | PB,CL,EON,FNUC,HISB,R=G | | |
| Aug 21 2004 8" | 11mmT6 | CLEAR SKIES - H.H. LITE. 1ST REAL TEST | | |
| NGC 7185 | Aqr | | Galaxy SAB(rs)0- pec? | VF,PL,IR,VGLBM,F OF2 |
| Sep 13 2007 31" | 17mmT4 | PB,PL,OVAL,FNUC,MSB,R=G | | |
| NGC 7188 | Aqr | | Galaxy (R')SB(rs)bc | EF,PS,E,LBM |
| Sep 13 2007 31" | 17mmT4 | PF,PL,EL,OVAL,NND,R=G | | |
| NGC 7189 | Aqr | | Galaxy SB(rs)b pec: | F,S,LE |
| Sep 13 2007 31" | 17mmT4 | PB,PS,OVAL,UB,NND,R=G | | |
| NGC 7194 | Peg | | Galaxy E | VF,VS,R,LBM |
| Aug 17 2012 18" | 7mm TV | F,S,OVAL,UB,NND,R=F | | |
| NGC 7197 | Lac | H599-2 | Galaxy Sa | F,CS,CE,VGLBM,ER |
| Aug 24 2012 18" | 5mm TV | PF,VS,OVAL,MEXT,UB,NND,R=F | | |
| NGC 7198 | Aqr | | Galaxy S0 pec | EF,VS,STELLAR |
| Sep 13 2007 31" | 17mmT4 | PB,PS,OVAL,BNUC,HISB,R=G | | |
| NGC 7206 | Peg | | Galaxy S0: | F,S,LE,BM |
| Oct 23 2008 31" | 17mmT4 | CF,CS,OVAL,UB,FNUC,R=F | | |
| NGC 7207 | Peg | | Galaxy | VF,S |
| Oct 23 2008 31" | 17mmT4 | CF,S,EL,OVAL,UB,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|--|---------------------------------|-----------------------------|
| NGC 7209 | Lac | H53-7 | Open Cluster 9.0 III 1 m | CL,L,CRI,PC,ST9...12 |
| Jul 21 2007 1.9" | 12x50 | PB,PL,R=G | | |
| Nov 09 2006 8" | 19mmW | LARGE AND LOOSE,R=F | | |
| Jul 24 2006 8" | 11mmT6 | PB,PS,R=G | | |
| Jul 21 2004 8" | 25mmPL | SHORT NIGHT - CLOUDS ROLLED IN. | | |
| Jun 26 2004 8" | 25mmPL | CLOUDS EARLY - GIBBOUS MOON | | |
| NGC 7211 | Aqr | | Galaxy S0 | EF,S,STELLAR |
| Sep 13 2007 31" | 17mmT4 | PB,PS,OVAL,BNC,HISB,R=G | | |
| NGC 7212 | Peg | | Galaxy S? | EF,VS,LE |
| Sep 14 2012 36" | 17mmT4 | PF,PS,OVAL,FNUC,R=F | | |
| Oct 23 2008 31" | 17mmT4 | CF,CS,EL,OVAL,FNUC,R=F | | |
| NGC 7215 | Aqr | | Galaxy S0^? | VF,S,E |
| Sep 13 2007 31" | 17mmT4 | PF,PS,EL,OVAL,UB,NND,R=F | | |
| NGC 7217 | Peg | H207-2 | Galaxy (R)SA(r)ab | B,PL,GBM,ER |
| Sep 24 2016 12" | 8mm Et | B,S,R,FNUC,R=G | | |
| Sep 14 2012 36" | 17mmT4 | B,S,R,BNUC,R=G, SPIRAL STRUCTURE NOTED | | |
| Sep 15 2004 8" | 7.5mmW | F.NND.AV.R=F | | |
| Jul 16 2004 8" | 25mmPL | 10.2 PHOTO MAG. VERY FAINT | | |
| NGC 7218 | Aqr | H897-2 | Galaxy SB(rs)cd | PB,LE,R |
| Sep 13 2007 31" | 17mmT4 | PF,PL,OVAL,UB,NND,R=F | | |
| Nov 21 2006 8" | 19mmW | PF,PS,OVAL,NND,R=F | | |
| NGC 7220 | Aqr | | Galaxy SAB(s)0^: | EF,VS,VLE,GBM,*10N3' |
| Sep 13 2007 31" | 17mmT4 | PF,PS,OVAL,NND,R=F | | |
| NGC 7222 | Aqr | | Galaxy SB(r)b | VF,S |
| Sep 13 2007 31" | 17mmT4 | PF,PL,R,UB,NND,R=F | | |
| NGC 7223 | Lac | H862-3 | Galaxy SB(rs)bc | EF,PS,LE,R,AM3ST |
| Aug 24 2012 18" | 5mm TV | DIFF,VF,PS,OVAL,UB,AV2,R=F | | |
| NGC 7224 | Peg | | Galaxy E | F,S,R |
| Sep 14 2012 36" | 17mmT4 | F,PS,OVAL,UB,NND,R=F | | |
| Oct 23 2008 31" | 17mmT4 | CF,CS,OVAL,UB,FNUC,R=F | | |
| NGC 7226 | Cep | | Open Cluster 10.8 I 2 m | PB,L,IN CLUSTER |
| Oct 18 2009 12" | 11mmT6 | PF,PS,,R=F. RESOLVE OUTER STARTS | | |
| NGC 7227 | Lac | | Galaxy S0 | VF,VS,R,LBM,NP OF 2 |
| Sep 14 2012 18" | 7mm TV | VF,VS,OVAL,PEXT,UB,NND,R=F | | |
| NGC 7231 | Lac | H606-2 | Galaxy SBa | EF,S,ER |
| Aug 24 2012 18" | 5mm TV | PF,VS,EON,UB,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|--|---------------------------------|----------------------------|
| NGC 7235 | Cep | | Open Cluster 8.8 II 3 m | CL,PC,HAS RUBY*10 |
| Jul 21 2007 1.9" | 12x50 | B,PS,R=F | | |
| NGC 7236 | Peg | | Galaxy SA0- | VF,S,STELLAR |
| Oct 23 2008 31" | 17mmT4 | CF,CS,R,FNUC,R=F | | |
| NGC 7237 | Peg | | Galaxy SA0- | VF,S,STELLAR |
| Oct 23 2008 31" | 17mmT4 | F,S,R,UB,NND,R=F | | |
| NGC 7241 | Peg | | Galaxy SB(s)bc? pec | PF,LE,*10ATT S |
| Sep 19 2004 8" | 7.5mmW | VF,EL,NND,AV,R=F MAG.=13.8 | | |
| NGC 7242 | Lac | | Galaxy E+: | VF,S,LBM,F OF 2 |
| Aug 23 2004 8" | 11mmT6 | VS,VF | | |
| NGC 7243 | Lac | H75-8 | Open Cluster 8.0 II 2 m | CL,L,P,LC,ST VL |
| Jul 21 2007 1.9" | 12x50 | PB,PL,R=G | | |
| Nov 09 2006 8" | 19mmW | TIGHTER,HINT OF NEB.,R=F | | |
| Jul 24 2006 8" | 11mmT6 | PB,PL,R=G | | |
| Jul 21 2004 8" | 25mmPL | SHORT NIGHT - CLOUDS ROLLED IN. | | |
| NGC 7244 | Peg | | Galaxy S? | EF,ES,R,BM |
| Oct 23 2008 31" | 17mmT4 | CF,CS,R,UB,NND,R=F | | |
| NGC 7245 | Lac | H29-6 | Open Cluster 12.8 II 2 m | CL,C,ST ES |
| Nov 13 2007 8" | 11mmT6 | PF,VVS,R=P | | |
| NGC 7247 | Aqr | | Galaxy SB(s)b: | PF,VS,R,LBM,BD*P13S |
| Sep 05 2007 8" | 11mmT6 | VF,VS,R,AV,R=F | | |
| NGC 7248 | Lac | H863-3 | Galaxy SA0-: | VF,VS,MBM |
| Aug 24 2012 18" | 5mm TV | PF,VS,OVAL,FNUC,R=F, | | |
| NGC 7250 | Lac | H864-3 | Galaxy Sdm? | VF,S,ME165 |
| Aug 24 2012 18" | 5mm TV | VF,VS,OVAL,MEXT,UB,NND,AV2,R=F, STAR AT NE TIP | | |
| NGC 7251 | Aqr | H933-3 | Galaxy (R')SA(rs)a? | F,PS,R,GPMBM |
| Sep 05 2007 8" | 11mmT6 | VF,VS,R,AV,R=F | | |
| NGC 7252 | Aqr | H458-3 | Galaxy (R)SA(r)0^: | F,S,R,ER |
| Sep 05 2007 8" | 11mmT6 | PF,PS,OVAL,NND,AV,R=F | | |
| NGC 7253A | Peg | | Galaxy SB? | VF,PE |
| Oct 23 2008 31" | 17mmT4 | CF,CS,EON,UB,NND,R=F | | |
| NGC 7253B | Peg | | Galaxy S? | |
| Oct 23 2008 31" | 17mmT4 | F,CS,EON,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|-------------------------------------|--------------------------------|----------------------------|
| NGC 7256 | Aqr | | Galaxy SBb | 3F* IN F NEB |
| Oct 31 2010 12" | 5.5mmN | VF,VS,OVAL,PEXT,UB,NND,R=F,PA=170 | | |
| NGC 7260 | Aqr | | Galaxy | EF,PS,IR |
| Sep 13 2007 31" | 17mmT4 | PF,PL,OVAL,UB,NND,R=F | | |
| NGC 7261 | Cep | | Open Cluster 9.6 II 3 m | CL,L,PRI,LC |
| Oct 18 2009 12" | 11mmT6 | PB,PS,R=G. RESOLVE AROUND 20+ STARS | | |
| NGC 7265 | Lac | | Galaxy S0- | F,VS,R,MBM |
| Sep 14 2012 18" | 7mm TV | PF,PS,OVAL,FNUC,R=F | | |
| NGC 7266 | Aqr | | Galaxy Sa | F,VS,R,ALM STELLAR |
| Sep 13 2007 31" | 17mmT4 | PB,PS,R,UB,NND,R=F | | |
| NGC 7270 | Peg | | Galaxy S? | VF,S,E |
| Oct 23 2008 31" | 17mmT4 | CF,S,OVAL,FNUC,R=F | | |
| NGC 7271 | Peg | | Galaxy L | VF,S,VLE |
| Oct 23 2008 31" | 17mmT4 | F,S,R,UB,NND,R=F | | |
| NGC 7272 | Peg | | Galaxy SBa | VF,S,IR |
| Oct 23 2008 31" | 17mmT4 | CF,CS,OVAL,UB,NND,R=F | | |
| NGC 7275 | Peg | | Galaxy Sa | EF,S,ME |
| Oct 23 2008 31" | 17mmT4 | CF,CS,EON,FNUC,MSB,R=F | | |
| NGC 7280 | Peg | H248-2 | Galaxy SAB(r)0+ | F,CS,R,GBMS*,3*N,NF |
| Oct 23 2008 31" | 17mmT4 | PF,PS,OVAL,BNUC,MSB,R=G | | |
| Aug 12 2005 8" | 7.5mmW | VF,VS,OVAL,AV,R=F | | |
| NGC 7283 | Peg | | Galaxy S? | VF,VS,R |
| Sep 01 2011 31" | 17mmT4 | CF,CS,R,UB,NND,R=F | | |
| Oct 23 2008 31" | 17mmT4 | F,S,OVAL,UB,NND,R=F | | |
| NGC 7284 | Aqr | H469-2 | Galaxy SB(s)0^ pec | CF,CS,LE,R,D*INV |
| Sep 05 2007 8" | 11mmT6 | VF,VS,R,NND,AV,R=F | | |
| NGC 7285 | Aqr | | Galaxy SB(rs)a pec | NEB*1'DIST FROM7284 |
| Sep 05 2007 8" | 11mmT6 | VF,VS,R,NND,AV,R=F | | |
| NGC 7286 | Peg | | Galaxy S0/a | VF,S,R,AM ST |
| Oct 23 2008 31" | 17mmT4 | CF,CS,EON,UB,NND,R=F | | |
| NGC 7288 | Aqr | | Galaxy S0/a pec sp | VF,ES,STELLAR |
| Sep 13 2007 31" | 17mmT4 | PB,PL,OVAL,FNUC,MSB,R=G | | |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|--|---------------------------------|-----------------------------|
| NGC 7290 | Peg | | Galaxy SA(r)bc | PB,S,PME |
| Sep 01 2011 31" | 17mmT4 | PF,PS,OVAL,UB,NND,R=G | | |
| Oct 23 2008 31" | 17mmT4 | PF,CS,OVAL,UB,NND,R=F | | |
| NGC 7291 | Peg | | Galaxy S0 | EF,ES,R,SMBM |
| Sep 01 2011 31" | 17mmT4 | PF,PS,R,FNUC,R=F | | |
| Oct 23 2008 31" | 17mmT4 | PF,CS,R,FNUC,MSB,R=F | | |
| NGC 7292 | Peg | | Galaxy IBm | EF,S,OVAL,F*INV |
| Aug 25 2009 16" | 11mmT6 | VF,CS,OVAL,NND.AV,R=F | | |
| Aug 12 2005 8" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 7293 | Aqr | | Planetary Neb 4+3 | PF,VL,E OR BIN |
| Sep 05 2010 12" | 11mmT6 | B,PS,R=G. CENTRAL STAR NOT NOTED. OIII FILTER ADDS DETAIL. | | |
| Nov 09 2004 8" | 11mmT6 | NICE - ALMOST ROUND PATCH! LARGE. | | |
| NGC 7296 | Lac | H41-7 | Open Cluster 10.0 II 2 p | CL,IR,LC,ST VS |
| Jul 24 2006 8" | 11mmT6 | PF,CS,R=F | | |
| NGC 7300 | Aqr | | Galaxy SAB(rs)b: | VF,CS,E,VGLBM |
| Sep 05 2007 8" | 11mmT6 | PF,PS,OVAL,NND,R=F | | |
| NGC 7302 | Aqr | H31-4 | Galaxy SA(s)0-: | F,PS,R,VSBMSN |
| Sep 12 2010 12" | 5.5mmN | CF,CS,OVAL,MEXT,UB,NND,R=F,PA=165 | | |
| NGC 7303 | Peg | | Galaxy Sbc | VF,S,R,GVLBM |
| Sep 14 2012 36" | 17mmT4 | F,PS,OVAL,MEXT,BNUC,R=G, SPIRAL STRUCTURE SEEN TOWARDS NOTHERN PART. | | |
| Aug 25 2009 16" | 11mmT6 | CF,CS,R,NND,AV,R=F | | |
| NGC 7304 | Peg | | Non-Existent | VF,PS,VLBM,NF7303,() |
| Oct 23 2008 31" | 17mmT4 | CF,CS,OVAL,UB,NND,R=F | | |
| NGC 7305 | Peg | | Galaxy E/S0 | EF,S,R,4F*AROUND |
| Oct 23 2008 31" | 17mmT4 | F,VS,R,NND,R=P | | |
| NGC 7309 | Aqr | H476-2 | Galaxy SAB(rs)c | VF,PL,R,GLBM,R |
| Sep 12 2010 12" | 5.5mmN | VF,PS,R,UB,NND,R=F | | |
| NGC 7311 | Peg | H428-2 | Galaxy Sab | PF,S,R,PSBM,R |
| Oct 18 2009 12" | 11mmT6 | VF,VS,OVAL,NND,AV | | |
| Aug 12 2005 8" | 11mmT6 | VF,VS,EL,NND,AV,R=F | | |
| NGC 7312 | Peg | | Galaxy SB(s)b | F,S |
| Oct 23 2008 31" | 17mmT4 | F,CS,EL,OVAL,UB,R=F | | |
| NGC 7315 | Peg | | Galaxy S0 | VF,ES,R,BM |
| Sep 14 2012 36" | 17mmT4 | PF,PS,R,UB,NND,R=F | | |
| Oct 23 2008 31" | 17mmT4 | CF,CS,R,UB,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|---|----------------------------|-------------------|
| NGC 7316 | Peg | H180-3 | Galaxy S | F,S,R,*8SP |
| Sep 14 2012 36" | 17mmT4 | F,PS,OVAL,EXT,FNUC,R=G,FAINT STAR AT SW CORNER. | | |
| Oct 23 2008 31" | 17mmT4 | DIFF,F,CS,OVAL,UB,NND,R=F | | |
| NGC 7317 | Peg | | Galaxy E4 | VF,VS |
| Sep 02 2016 12" | 5.5mmN | VF,CS,R,NND,AV,R=P | | |
| Sep 10 2015 12" | 7mm TV | 1ST OBJECT AT WRO WITH 12AD, VF,VS,R=F | | |
| Jul 13 2013 18" | 5mm TV | STEPHAN'S QUINTET | | |
| Oct 12 2012 36" | 17mmT4 | DIRECT VISION WITH BRIGHT CORE - 1ST VIEW W/36" | | |
| Oct 10 2012 36" | 17mmT4 | STEPHEN'S QUINTET - GALAXY 1. BRIGHT NUCLEUS | | |
| Aug 06 2010 12" | 7mm TV | VF,CS,R,NND,AV,R=F | | |
| Oct 06 2004 31" | 17mmT4 | MB,EL,OVAL,FNUC,R=G | | |
| NGC 7318A | Peg | | Galaxy E2 pec | EF,ES |
| Sep 02 2016 12" | 5.5mmN | EF,CS,R,NND,R=F | | |
| Sep 10 2015 12" | 7mm TV | VF,VS,R=F | | |
| Jul 13 2013 18" | 5mm TV | STEPHAN'S QUINTET | | |
| Oct 12 2012 36" | 17mmT4 | DIRECT VISION WITH BRIGHT CORE - 1ST VIEW W/36" | | |
| Aug 06 2010 12" | 7mm TV | EF,CS,R,NND,R=P | | |
| Oct 06 2004 31" | 17mmT4 | MB,EL,OVAL,FNUC,R=G | | |
| NGC 7318B | Peg | | Galaxy SB(s)bc pec | EF,ES |
| Sep 02 2016 12" | 5.5mmN | VF,CS,OVAL,NND,AV,R=F | | |
| Sep 10 2015 12" | 7mm TV | VF,VS,R=F | | |
| Jul 13 2013 18" | 5mm TV | STEPHAN'S QUINTET | | |
| Oct 12 2012 36" | 17mmT4 | DIRECT VISION WITH BRIGHT CORE - 1ST VIEW W/36" | | |
| Aug 06 2010 12" | 7mm TV | VF,CS,R,NND,AV,R=P | | |
| Oct 06 2004 31" | 17mmT4 | MB,EL,OVAL,FNUC,R=G | | |
| NGC 7319 | Peg | | Galaxy SB(s)bc pec | EF,ES |
| Sep 02 2016 12" | 5.5mmN | CF,PS,OVAL,UB,NND,R=F | | |
| Sep 10 2015 12" | 7mm TV | VF,VS,R=F | | |
| Jul 13 2013 18" | 5mm TV | STEPHAN'S QUINTET | | |
| Oct 12 2012 36" | 17mmT4 | DIRECT VISION WITH BRIGHT CORE - 1ST VIEW W/36" | | |
| Aug 06 2010 12" | 7mm TV | CF,PS,OVAL,UB,NND,R=F | | |
| Oct 06 2004 31" | 17mmT4 | MB,EL,OVAL,FNUC,R=G | | |
| NGC 7320 | Peg | | Galaxy SA(s)d | F,VS |
| Sep 02 2016 12" | 5.5mmN | CF,PS,OVAL,UB,NND,R=F | | |
| Sep 10 2015 12" | 7mm TV | VF,VS,R=F | | |
| Jul 13 2013 18" | 5mm TV | STEPHAN'S QUINTET | | |
| Oct 12 2012 36" | 17mmT4 | DIRECT VISION WITH BRIGHT CORE - 1ST VIEW W/36" | | |
| Aug 06 2010 12" | 7mm TV | CF,PS,OVAL,UB,NND,R=F | | |
| Oct 06 2004 31" | 17mmT4 | MB,EL,OVAL,NND,R=G | | |
| Sep 15 2004 8" | 7.5mmW | B,EL,FNUC,HISB,R=G | | |
| NGC 7320C | Peg | | Galaxy (R)SAB(s)0/a | |
| Jul 13 2013 18" | 5mm TV | VF,VS,R,UB,NND,AV2,R=F | | |
| Oct 06 2004 31" | 17mmT4 | MF,OVAL,NND,AV,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|---|-------------------------------------|-----------------------------|
| NGC 7321 | Peg | H237-3 | Galaxy SB(r)b | F,S,IR,VGVLBM |
| Aug 29 2010 12" | 7mm TV | VF,CS,OVAL,UB,NND,R=F. | PA=75 | |
| Oct 23 2008 31" | 17mmT4 | DIFF,F,CS,OVAL,UB,NND,R=F | | |
| NGC 7323 | Peg | | Galaxy Sb | PF,PL,IR |
| Sep 14 2012 36" | 17mmT4 | PF,PS,OVAL,UB,NND,MSB,R=G | | |
| Oct 23 2008 31" | 17mmT4 | CF,CS,OVAL,UB,NND,R=F | | |
| NGC 7324 | Peg | | Galaxy E | VF,VS,NEB* |
| Sep 14 2012 36" | 17mmT4 | PF,VS,OVAL,PEXT,FNUC,R=G | | |
| Oct 23 2008 31" | 17mmT4 | F,S,OVAL,NND,R=F | | |
| NGC 7327 | Peg | | Non-Existent | EF,ES,NP 7331 |
| Sep 02 2016 12" | 5.5mmN | VF,VS,OVAL,NND,R-F | | |
| NGC 7328 | Peg | | Galaxy Sab | EF,PS,LE90,VGLBM |
| Oct 23 2008 31" | 17mmT4 | F,CS,EON,NND,R=F | | |
| NGC 7330 | Lac | | Galaxy E | PB,S,LE,BM |
| Sep 14 2012 18" | 7mm TV | PF,PS,R,UB,NND,R=F | | |
| NGC 7331 | Peg | H53-1 | Galaxy SA(s)b | B,PL,PME163,SMBM |
| Sep 02 2016 12" | 5.5mmN | PF,PS,EON,BNUC,R=E. | SQM-19.96. 56 DEGREES AT 2125 HOURS | |
| Sep 10 2015 12" | 7mm TV | F,PS,EON,FNUC,R=G | | |
| Aug 21 2015 12" | 8mm Ds | | | |
| Jul 13 2013 18" | 7mm TV | EYE CANDY. ALWAYS GREAT TO LOOK AT. | | |
| Oct 21 2012 8" | 11mmT6 | SMALL SPINDLE, NOT ENOUGH APERATURE OR DARK ENOUGH SKIES. | | |
| Oct 07 2010 12" | 17mmAT | F,PS,EON,BNUC,HSB,R=G,PA=10 | | |
| Sep 13 2009 12" | 32mmUW | 3RD OBJECT | | |
| Jul 23 2006 8" | 11mmT6 | PB,PL,EON,FNUC,R=G | | |
| Jul 16 2004 31" | 20mmUW | 9.5 PHOTO MAG. BRIGHTER YET. | | |
| Jul 16 2004 8" | 25mmPL | 9.5 PHOTO MAG. BRIGHT | | |
| NGC 7332 | Peg | H233-2 | Galaxy S0 pec sp | CB,S,ME156,SMBMN,P-2 |
| Sep 24 2016 12" | 8mm Et | F,S,EON,BNUC,R=G | | |
| Sep 14 2012 36" | 17mmT4 | F,S,EON,BNUC,HSB,R=E, VERY NEAR NGC-7339 | | |
| Aug 25 2009 16" | 11mmT6 | PB,PS,EON,BNUC,R=G | | |
| Oct 21 2006 31" | 20mmUW | VB,PL,EON,VBNUC,R=G,PAIR W/N7339 | | |
| Aug 21 2004 8" | 11mmT6 | CLEAR SKIES - H.H. LITE. 1ST REAL TEST | | |
| NGC 7335 | Peg | H166-3 | Galaxy SA(rs)0+ | VF,VS |
| Sep 02 2016 12" | 5.5mmN | VF,VS,OVAL,NND,R=F | | |
| Aug 17 2012 18" | 7mm TV | F,PS,OVA,PRETTY EXTENDED,NND,R=F | | |
| Oct 23 2008 31" | 17mmT4 | CF,CS,OVAL,UB,FNUC,R=F | | |
| NGC 7336 | Peg | | Galaxy S | EF,VS |
| Oct 23 2008 31" | 17mmT4 | VF,S,OVAL,NND,AV,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|---|----------------------------|-----------------------------|
| NGC 7337 | Peg | | Galaxy SB(rs)b | EF,S,STELLAR |
| Sep 02 2016 12" | 5.5mmN | VF,VS,OVAL,NND,R=F | | |
| Aug 17 2012 18" | 7mm TV | VF,VS,OVAL,MEXT,NND,AV1,R=F | | |
| Oct 23 2008 31" | 17mmT4 | F,CS,OVAL,NND,R=F | | |
| NGC 7339 | Peg | H234-2 | Galaxy SAB(s)bc:? | F,PS,ME89,VGLBM,FOF2 |
| Sep 24 2016 12" | 8mm Et | PF,PS,EON,UB,NND,R=F | | |
| Sep 14 2012 36" | 17mmT4 | F,S,EON,UB,HSB,R=G, VERY NEAR, NGC-7332 | | |
| Aug 25 2009 16" | 11mmT6 | DIFF,PF,PS,EON,NND,R=F | | |
| Oct 21 2006 31" | 20mmUW | PB,PL,EON,NNUC,,R=G,PAIR W/N7332 | | |
| Sep 15 2004 8" | 7.5mmW | F,PATCH,NND,AV,R=F | | |
| Sep 12 2004 8" | 11mmT6 | B,S,EL,OVAL,FNUC,HISB,G | | |
| NGC 7340 | Peg | | Galaxy E? | VF,VS |
| Aug 17 2012 18" | 7mm TV | F,S,OVAL,MODERATELY EXTENDED,UB,NND,R=F | | |
| Oct 23 2008 31" | 17mmT4 | CF,CS,OVAL,UB,NND,R=F | | |
| NGC 7341 | Aqr | | Galaxy SAB(r)ab: | PF,PS,E,LBM |
| Oct 09 2007 8" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 7342 | Peg | | Galaxy SBa | EF,VS |
| Oct 23 2008 31" | 17mmT4 | F,CS,R,NND,R=F | | |
| NGC 7343 | Peg | | Galaxy (R')SB(s)bc: | EF,VS,R,LBM,S*INV |
| Oct 23 2008 31" | 17mmT4 | F,CS,R,NND,R=F | | |
| NGC 7344 | Aqr | | Galaxy (R')SB(r)ab | PF,VS,R |
| Sep 13 2007 31" | 17mmT4 | PF,PS,EL,OVAL,UB,NND,R=F | | |
| NGC 7347 | Peg | | Galaxy S? | EF,PL,E |
| Sep 06 2013 18" | 7mm TV | PF,PS,EON,UB,NND,R=F | | |
| NGC 7351 | Aqr | | Galaxy SAB0^: | PF,PS,R,BM,R |
| Sep 13 2007 31" | 17mmT4 | PB,PS,EL,OVAL,FNUC,MSB,R=G | | |
| NGC 7353 | Peg | | Galaxy Sbc | EF |
| Aug 17 2012 18" | 7mm TV | F,EON,UB,NND,AV2,R=G | | |
| NGC 7354 | Cep | H705-2 | Planetary Neb 4+3b | PLN,B,S,R,PGVLBM |
| Sep 07 2005 8" | 11mmT6 | MB,ML,R,MSB,R=G | | |
| NGC 7356 | Peg | | Galaxy Sbc | EF,PS,R,GLBM,*ATT |
| Nov 02 2010 31" | 17mmT4 | PF,PS,OVAL,MEXT,FNUC,R=G | | |
| NGC 7357 | Peg | | Galaxy Sb | VF,VS,VF*INV |
| Nov 02 2010 31" | 17mmT4 | PF,PS,OVAL,MEXT,FNUC,R=F,STAR AT NE TIP | | |
| NGC 7359 | Aqr | | Galaxy S0^: sp | PF,VS,PME,BMN |
| Oct 09 2007 8" | 11mmT6 | VF,VS,EL,OVAL,NND,AV,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|---|--------------------------------|---|---|-----------------------------|
| NGC 7360 Sep 06 2013 18" | Peg 7mm TV | PF,PS,OVAL,UB,NND,R=F | Galaxy S? | EF,VS |
| NGC 7362 Aug 12 2005 8" | Peg 11mmT6 | VF,VS,R,NND,AV,R=F | Galaxy E: | VF,S,R,LBM |
| NGC 7364 Sep 13 2007 31" | Aqr 17mmT4 | H442-2 PB,PS,OVAL,FNUC,MSB,R=G | Galaxy S0/a pec: | F,S,R,PSBM |
| NGC 7365 Oct 31 2010 12" | Aqr 5.5mmN | PF,VS,OVAL,UB,NND,R=F | Galaxy SA(rs)0-: | VF,ES,R,GBMN,*11NF4' |
| NGC 7370 Nov 03 2013 36" | Peg 17mmT4 | VF,VS,OVAL,NND,R=F | Galaxy | EF,VS |
| NGC 7371 Sep 05 2007 8" | Aqr 11mmT6 | H477-2 PF,VS,R,NND,R=F | Galaxy (R)SA(r)0/a: | VF,PL,R,LBM |
| NGC 7372 Sep 27 2013 18" | Peg 7mm TV | PF,PS,R,UB,NND,R=F | Galaxy S? | F,S,IR |
| NGC 7373 Sep 27 2013 18" | Peg 7mm TV | VF,PS,R,UB,NND,R=F | Galaxy SAB(s)0^? | F,VS,BM,STELLAR |
| NGC 7374 Nov 03 2013 36" | Peg 17mmT4 | CF,CS,OVAL,FNUC,R=F,PAIRED W/PGC-69675 | Galaxy S? | VF,PL,R |
| NGC 7375 Nov 03 2013 36" | Peg 17mmT4 | CF,CS,OVAL,FNUC,R=F | Galaxy S(r)0 | EF,VS,R |
| NGC 7377 Nov 09 2004 8" | Aqr 11mmT6 | H598-2 VF,EL,EON,NND,AV,R=F | Galaxy SA(s)0+ | PB,S,VLE,VGMBM,*12P |
| NGC 7380 Jul 24 2006 8" Aug 21 2004 8" | Cep 11mmT6 11mmT6 | H77-8 PB,CS,R=F CLEAR SKIES - H.H. LITE. 1ST REAL TEST | Open Cluster 10.0 III 2 m n CL,PL,PRI,LC,*9...13 | |
| NGC 7383 Sep 12 2010 12" | Peg 5.5mmN | VF,CS,R,UB,NND,AV,R=F | Galaxy SB0 | VF,VS,R,7385NF |
| NGC 7385 Aug 12 2005 8" | Peg 11mmT6 | H216-3 VF,VS,R,NND,AV,R=F | Galaxy E pec: | CF,S,R,GLBM,*11NP |
| NGC 7386 Aug 12 2005 8" | Peg 11mmT6 | H217-3 VS,VS,OVAL,NND,AV,R=F | Galaxy SA0: | CF,S,R,PGBM,F OF 2 |
| NGC 7387 Sep 27 2013 18" | Peg 8.8 ES | PF,PS,OVAL,UB,NND,R=F | Galaxy S0-: | EF,VS,R,2*11S |

Observations Listing by Catalog Number

| | | | | |
|------------------------------------|----------------------|---|---|----------------------------|
| NGC 7389 Sep 27 2013 18" | Peg 8.8 ES | | Galaxy SB0 PF,PS,OVAL,MEXT,UB,NND,R=F | VF,R |
| NGC 7391 Sep 13 2007 31" | Aqr 17mmT4 | H443-2 PB,PL,OVAL,FNUC,HISB,R=G | Galaxy E: | CF,CS,R,SBM*13,*NP |
| NGC 7392 Oct 09 2007 8" | Aqr 11mmT6 | H702-2 VF,PS,OVAL,NND,R=F | Galaxy SA(s)bc | PB,PS,LE120,MBM |
| NGC 7393 Sep 13 2007 31" | Aqr 17mmT4 | H453-2 PF,PS,EON,UB,NND,R=F | Galaxy SB(rs)c pec | VF,PL,LE,VGBM,R |
| NGC 7407 Sep 12 2010 12" | Peg 5.5mmN | | Galaxy Sbc VF,PS,OVAL,MEXT,UB,NND,AV,R=P,PA=110 | EF,VS |
| NGC 7409 Nov 03 2013 36" | Peg 17mmT4 | | Galaxy E CF,PS,OVAL,UB,NND,R=F | EF |
| NGC 7411 Nov 03 2013 36" | Peg 17mmT4 | | Galaxy E: CF,CS,OVAL,FNUC,R=G | VF,VS |
| NGC 7415 Nov 03 2013 36" | Peg 17mmT4 | | Galaxy Sab PF,PS,OVAL,UB,NND,R=F,PAIRED W/PGC-69984 | EF |
| NGC 7416 Sep 12 2010 12" | Aqr 5.5mmN | | Galaxy SB(r)b CF,CS,EON,UB,NND,R=F,PA=170 | F,PL,PME,VGBM |
| NGC 7419 Nov 13 2007 8" | Cep 11mmT6 | H43-7 VF,VS,FAINT SMUDGE,R=F | Open Cluster 10.0 I 2 m | CL,PRI,CC |
| NGC 7426 Aug 24 2012 18" | Lac 5mm TV | H576-3 VF,PS,R,UB,NND,AV3,R=P | Galaxy E | VF,CS,R,STELLAR,D*P |
| NGC 7427 Nov 03 2013 36" | Peg 17mmT4 | | Galaxy Compact CF,PS,R,UB,NND,R=F | F,S,*9SF4' |
| NGC 7430 Nov 03 2013 36" | Peg 17mmT4 | | Galaxy S CF,PS,OVAL,FNUC,R=F | EF,VS |
| NGC 7432 Nov 03 2013 36" | Peg 17mmT4 | H465-3 CF,CS,OVAL,UB,NND,R=G | Galaxy E | EF,S,R |
| NGC 7433 Aug 24 2012 18" | Peg 5mm TV | | Galaxy S0/a PF,VS,EON,FNUC,R=F | EF,VS,P 7436 |
| NGC 7435 Aug 24 2012 18" | Peg 5mm TV | | Galaxy SB(s)a PF,VS,EON,UB,NND,R=F | EF,S OF 7436 |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|--|---------------------------|-----------------------------|
| NGC 7436 | Peg | H243-3 | Galaxy E | F,PS,F*ATT P,GBM |
| Aug 24 2012 18" | 5mm TV | DIFF,PF,PS,R,UB,NND,R=F | | |
| Aug 25 2009 16" | 11mmT6 | DIFF,CF,PS,R,NND,R=F | | |
| NGC 7437 | Peg | | Galaxy SAB(rs)d | EEF,L,R,F*NRNF, |
| Nov 03 2013 36" | 17mmT4 | DIFF,CF,PS,R,UB,NND,R=F | | |
| NGC 7439 | Peg | | Galaxy SB0 | LONG PATCH OF F NEBY |
| Oct 15 2006 31" | 19mmW | VF,PS,R,NND,R=F | | |
| NGC 7442 | Peg | | Galaxy SAc: | PF,R,BET2*16,*13NF |
| Oct 15 2006 31" | 19mmW | VF,L,R,NND,R=F | | |
| NGC 7443 | Aqr | H450-2 | Galaxy SB(s)0+: sp | F,VS,VLE,SMBM,ER,N-2 |
| Oct 31 2010 12" | 5.5mmN | PF,PS,OVAL,PEXT,FNUC,R=F,PA=90. PAIRED WITH NGC-7444 | | |
| NGC 7444 | Aqr | H451-2 | Galaxy SB(r)0^? sp | F,VS,VLE,SMBM,ER,S-2 |
| Oct 31 2010 12" | 5.5mmN | CF,PS,OVAL,PEXT,FNUC,R=F,PA=45. PAIRED WITH NGC-7443 | | |
| NGC 7448 | Peg | H251-2 | Galaxy SA(rs)bc | PB,L,E173,VGBM,*F2' |
| Sep 24 2016 12" | 8mm Et | F,S,OVAL,FNUC,R=G | | |
| Sep 10 2015 12" | 8mm Ds | F,PS,OVAL,MEXT,UB,NND,R=F | | |
| Oct 26 2014 18" | 8mm Ds | PF,PS,OVAL,MEXT,UB,NND,R=G | | |
| Sep 12 2004 8" | 11mmT6 | F,EL,OVAL,NND,AV,F | | |
| Aug 21 2004 8" | 11mmT6 | CLEAR SKIES - H.H. LITE. 1ST REAL TEST | | |
| NGC 7449 | And | | Galaxy E: | VF,S,R,VS*INCENTRE |
| Aug 25 2009 16" | 11mmT6 | VF,CS,EON,NND,AV,R=F | | |
| NGC 7451 | Peg | | Galaxy SBbc | PF,PL,*10,11SP2' |
| Oct 15 2006 31" | 19mmW | VF,CS,EON,NND,AV,R=F | | |
| NGC 7454 | Peg | H249-2 | Galaxy E4 | F,CS,LE,LBM,*11P1' |
| Aug 21 2004 8" | 11mmT6 | ****13.6 PHOTO MAGNITUDE**** | | |
| NGC 7457 | Peg | H212-2 | Galaxy SA(rs)0-? | CB,CL,LE,GMBM,R,2S*N |
| Sep 24 2016 12" | 8mm Et | F,S,OVAL,MEXT,UB,NND,R=G | | |
| Oct 15 2006 31" | 19mmW | F,L,OVAL,NND,R=F | | |
| Sep 19 2004 8" | 7.5mmW | F,EL,UB,NND,R=G | | |
| NGC 7458 | Psc | H590-2 | Galaxy E | CF,CS,PSBM |
| Sep 19 2014 18" | 8mm Ds | PF,PS,R,FNUC,R=G, WRO - 9/19/14 | | |
| NGC 7461 | Peg | | Galaxy SB0 | VF,VS,ALMSTELLAR |
| Oct 15 2006 31" | 19mmW | VF,CS,R,NND,AV,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|----------------------------|-----------------------------|--------------------------|
| NGC 7463 | Peg | H210-3 | Galaxy SABb: pec | VF,S,LE,P OF 2 |
| Sep 10 2015 12" | 8mm Ds | PF,PS,OVAL,PEXT,UB,NND,R=F | | |
| Oct 26 2014 12" | 8mm Ds | VF,PS,EON,UB,NND,AVII,R=F | | |
| Nov 02 2010 31" | 17mmT4 | PF,S,EON,UB,HSB,R=G | | |
| Oct 15 2006 31" | 19mmW | PF,PL,EON,NND,R=F | | |
| NGC 7464 | Peg | | Galaxy E1 pec: | VF,VS,E,SF7463 |
| Sep 10 2015 12" | 8mm Ds | VF,PS,R,UB,NND,R=F | | |
| Nov 02 2010 31" | 17mmT4 | PF,PS,R,NND,USB,R=F | | |
| Oct 15 2006 31" | 19mmW | PF,CS,R,NND,R=F | | |
| NGC 7465 | Peg | H211-3 | Galaxy (R')SB(s)0^: | VF,VS,FOF 2 |
| Sep 10 2015 12" | 8mm Ds | PF,PS,OVAL,UB,NND,R=F | | |
| Oct 26 2014 12" | 8mm Ds | PF,PS,OVAL,UB,NND,R=F | | |
| Nov 02 2010 31" | 17mmT4 | F,S,R,BNUC,R=G | | |
| Oct 15 2006 31" | 19mmW | B,PL,OVAL,FNUC,R=G | | |
| NGC 7466 | Peg | | Galaxy Sb | EF,ES,BM |
| Oct 15 2006 31" | 19mmW | B,PL,EON,FNUC,R=G | | |
| NGC 7467 | Peg | | Galaxy E/S0 | EF,VS |
| Oct 15 2006 31" | 19mmW | VF,CS,R,NND,AV,R=F | | |
| NGC 7468 | Peg | H202-3 | Galaxy E3: pec | EF,VS |
| Oct 15 2006 31" | 19mmW | PB,L,EL,OVAL,FNUC,R=G | | |
| NGC 7469 | Peg | H230-3 | Galaxy (R')SAB(rs)a | VF,VS,VSMBM *12 |
| Oct 05 2016 12" | 8mm Et | PF,PS,OVAL,UB,NND,R=F | | |
| Sep 19 2004 8" | 7.5mmW | B,OVAL,NUC,R=G | | |
| NGC 7473 | Peg | | Galaxy SB0 | VF,S,R |
| Oct 15 2006 31" | 19mmW | PB,CL,EL,OVAL,NND,R=F | | |
| NGC 7474 | Peg | | Galaxy L | EF,VS |
| Oct 15 2006 31" | 19mmW | CF,PS,R,NND,AV,R=F | | |
| NGC 7475 | Peg | | Galaxy Double System | VF,S |
| Oct 15 2006 31" | 19mmW | CF,PS,OVAL,NND,AV,R=F | | |
| NGC 7479 | Peg | H55-1 | Galaxy SB(s)c | PB,CL,ME12,BET2ST |
| Sep 24 2016 12" | 8mm Et | F,S,R,UB,NND,R=F | | |
| Sep 19 2004 8" | 7.5mmW | VF,EL,NND,R=F | | |
| NGC 7485 | Peg | | Galaxy S0 | VF,S,R,BM,*10P |
| Oct 15 2006 31" | 19mmW | VB,L,OVAL,FNUC,R=G | | |
| NGC 7487 | Peg | | Galaxy Compact | VF,S,R |
| Oct 15 2006 31" | 19mmW | VF,VS,R,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|---|-----------------------------------|------------------------------|
| NGC 7489 | Peg | | Galaxy Sd | F,S,R |
| Oct 15 2006 31" | 19mmW | PF,L,OVAL,NND,R=F | | |
| NGC 7490 | Peg | | Galaxy Sbc | VF,VS,IR,LBM |
| Sep 01 2005 8" | 7.5mmW | VF,VS,R,NND,AV,R=F | | |
| NGC 7492 | Aqr | H558-3 | Globular | EF,L,BET2D* |
| Oct 05 2016 12" | 11mmT6 | F,PS,R=G | | |
| Sep 05 2007 8" | 11mmT6 | VF,VS,AV,R=F | | |
| NGC 7495 | Peg | | Galaxy SAB(s)c | EF,S,LE,*9NF NR |
| Oct 15 2006 31" | 19mmW | VF,PS,R,NND,AV,R=F | | |
| NGC 7497 | Peg | H203-3 | Galaxy SB(s)d | VF,L,PME45,LBM |
| Oct 06 2004 8" | 7.5mmW | VF,EON,NND,AV,R=F | | |
| Sep 19 2004 8" | 7.5mmW | VF,PATCH,NND,AV,R=F | MAG=13.3 | |
| NGC 7500 | Peg | | Galaxy S0 | EF,VS,R |
| Oct 15 2006 31" | 19mmW | B,CL,OVAL,NND,R=F | | |
| NGC 7505 | Peg | | Galaxy | EEF,ES,LE,BET B*\$2F* |
| Oct 15 2006 31" | 19mmW | CF,CS,EON,NND,R=F | | |
| NGC 7506 | Psc | H184-3 | Galaxy (R')SB(r)0+: | CF,VS,R,SBM*15 |
| Sep 19 2014 18" | 8mm Ds | PF,PS,OVAL,FNUC,R=F, WRO - 9/19/14 | | |
| NGC 7507 | ScI | H2-2 | Galaxy E0 | PB,CS,R,PSVMBM,*10NP |
| Aug 25 2011 12" | 7mm TV | PF,PS,R,FNUC,R=G, LAST OBJECT FOR HERSCHEL 400 II LIST. | | |
| NGC 7508 | Peg | | Galaxy S | EF,BM*,*11NP2' |
| Oct 15 2006 31" | 19mmW | CF,CS,EON,NND,R=F | | |
| NGC 7509 | Peg | | Galaxy C | VF,S,R,BET2* |
| Oct 15 2006 31" | 19mmW | PF,S,R,NND,R=F | | |
| NGC 7510 | Cep | H44-7 | Open Cluster 10.0 II 3 r n | CL,PRI,PC,FAN-SH,B*P |
| Mar 04 2006 8" | 19mmW | B,S,R=G | | |
| NGC 7511 | Peg | | Galaxy S? | EEF,S,R,SEV*NF, |
| Oct 15 2006 31" | 19mmW | PB,S,OVAL,FNUC,R=G | | |
| NGC 7512 | Peg | | Galaxy E | F,S,R,VS*IN CENTRE |
| Sep 04 2005 8" | 11mmT6 | VF,VS,NND,LSB,R=F | | |
| NGC 7513 | ScI | | Galaxy (R')SB(s)b pec | VF,PL,E,GBM |
| Aug 25 2011 12" | 7mm TV | PF,PS,OVAL,MEXT,FNUC,R=G | | |
| NGC 7514 | Peg | | Galaxy S? | EF,PL,IR |
| Sep 04 2005 8" | 11mmT6 | VF,VS,NND,AV,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|---|--|---|-------------------------------|-----------------------------|
| NGC 7515 Sep 04 2005 8" | Peg 11mmT6 | H220-3 VF,VS,R,NND,AV,R=F | Galaxy S? | F,CS,R,VGLBM,R |
| NGC 7516 Oct 15 2006 31" | Peg 19mmW | PF,PS,OVAL,NND,R=F | Galaxy S0 | F,VS,STELLAR |
| NGC 7519 Oct 15 2006 31" | Peg 19mmW | VF,PS,OVAL,NND,AV,R=F | Galaxy Sb: | VF,PL |
| NGC 7527 Nov 02 2010 31" | Peg 17mmT4 | PF,CS,OVAL,UB,HSB,R=F | Galaxy E | VF,VS,STELLAR |
| NGC 7528 Oct 30 2005 31" | Peg 17mmT4 | MF,MS,OVAL,NND,R=F | Galaxy | F,S |
| NGC 7537 Oct 09 2007 8" | Psc 11mmT6 | H429-2 PF,PS,EON,NND,R=F | Galaxy SAbc: | VF,CS,R,BM,SP OF 2 |
| NGC 7538 Nov 28 2010 12" | Cep 11mmT6 | H706-2 PF,PS,R=F,HINT OF NEBULOSITY, OIII FILTER | Nebula E | VF,L,2PB*INV |
| NGC 7539 Sep 04 2005 8" | Peg 7.5mmW | VF,VS,R,NND,AV,R=F | Galaxy S0 | F,S,R,PSBM |
| NGC 7541 Oct 09 2007 8" | Psc 11mmT6 | H430-2 PB,PS,EON,UB,NND,R=F | Galaxy SB(rs)bc: pec | B,L,ME97,MBM,NF OF 2 |
| NGC 7543 Dec 13 2012 18" | Peg 7mm TV | PF,PS,OVAL,UB,NND,R=F | Galaxy S? | VF,S,R,LBM |
| NGC 7546 Sep 19 2014 18" | Psc 8mm Ds | VF,VS,OVAL,UB,NND,AV1,R=P, WRO - 9/19/14 | Galaxy SAB(r)bc: | EF,S,LE |
| NGC 7547 Sep 10 2015 12" Dec 13 2012 18" | Peg 7mm TV 7mm TV | VF,VS,R,UB,NND,AV,R=F PF,PS,OVAL,UB,NND,R=F | Galaxy (R')SAB(s)0/a p | VF,S,IR |
| NGC 7548 Nov 02 2010 31" | Peg 17mmT4 | PF,VS,R,FNUC,R=F | Galaxy (R)SAB(r)0^: | VF,VS,*16P11S |
| NGC 7549 Sep 10 2015 12" Sep 09 2010 12" | Peg 7mm TV 5.5mmN | PF,PS,OVAL,PEXT,UB,NND,R=F VF,CS,EON,NND,AV,=P,PA=45 | Galaxy SB(s)cd pec | PF,PS,R,*10,11P |
| NGC 7550 Sep 10 2015 12" Aug 25 2009 16" Aug 12 2005 8" | Peg 7mm TV 11mmT6 11mmT6 | H181-3 PF,PS,R,UB,NND,R=F CF,CS,R,UB,NND,R=F VF,VS,R,NND,AV,R=F | Galaxy SA0- | CF,S,R |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|---|-------------------------------|-----------------------------|
| NGC 7553 | Peg | | Non-Existent | |
| Sep 10 2015 12" | 7mm TV | VF,VS,R,UB,NND,AV1,R=P | | |
| Oct 30 2005 31" | 17mmT4 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 7556 | Psc | H235-2 | Galaxy S0- | CF,PL,R,B** F |
| Sep 19 2014 18" | 8mm Ds | PF,PS,OVAL,FNUC,R=G, WRO - 9/19/14 | | |
| NGC 7559 | Peg | | Non-Existent | |
| Dec 13 2012 18" | 7mm TV | VF,PS,OVAL,UB,NND,AV1,R=F | | |
| NGC 7562 | Psc | H467-2 | Galaxy E2-3 | CB,PS,IR,PSBM |
| Oct 09 2007 8" | 11mmT6 | PB,PS,OVAL,FNUC,R=F | | |
| NGC 7563 | Peg | H222-3 | Galaxy SBa | PF,CS,R,SBM*16,SFOF2 |
| Sep 04 2005 8" | 7.5mmW | VF,OVAL,NND,AV,R=F | | |
| NGC 7566 | Psc | H185-3 | Galaxy (R')SB(rs)a pec | VF,PS,E,ER,3F*INV |
| Sep 19 2014 18" | 8mm Ds | VF,PS,OVAL,MEXT,UB,NND,R=F, WRO - 9/19/14 | | |
| NGC 7568 | Peg | | Galaxy S? | EF,PL,IR,SEV ST INV |
| Dec 13 2012 18" | 7mm TV | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 7570 | Peg | H238-3 | Galaxy SBa | EF,ES |
| Sep 09 2010 12" | 5.5mmN | VF,CS,OVAL,PEXT,NND,AV,R=F,PA=90 | | |
| NGC 7578A | Peg | | Galaxy S0^ pec | VF,AM VS ST |
| Nov 03 2013 36" | 17mmT4 | PF,PS,OVAL,UB,NND,R=F,PAIRED W/NGC-7578B | | |
| NGC 7578B | Peg | | Galaxy E1: | |
| Nov 03 2013 36" | 17mmT4 | PF,PS,R,UB,NND,R=F,PAIRED W/NGC-7578A | | |
| NGC 7585 | Aqr | H236-2 | Galaxy (R')SA(s)0+ pec | PB,PS,IR,GBM |
| Sep 05 2007 8" | 11mmT6 | PF,PS,OVAL,FNUC,R=F | | |
| NGC 7588 | Peg | | Galaxy S | EF,ES |
| Nov 03 2013 36" | 17mmT4 | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 7594 | Peg | | Galaxy S? | PF,R,3ST P |
| Nov 03 2013 36" | 17mmT4 | PF,PS,OVAL,UB,NND,R=F | | |
| NGC 7595 | Peg | | Galaxy | F,STELLAR |
| Oct 30 2005 31" | 17mmT4 | MF,MS,OVAL,NND,R=F | | |
| NGC 7596 | Aqr | | Galaxy S0 | VF,PS,LE0,LBMN |
| Oct 31 2010 12" | 5.5mmN | PF,CS,OVAL,PEXT,FNUC,R=F,PA=30 | | |
| NGC 7597 | Peg | | Galaxy S? | EF,VS,GBM |
| Nov 03 2013 36" | 17mmT4 | PF,PS,R,UB,NND,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|---|--|--|------------------------|-------------------------|
| NGC 7598 Nov 03 2013 36" | Peg 17mmT4 | PF,PS,OVAL,UB,NND,R=F | Galaxy E | EF,ES,STELLAR |
| NGC 7600 Nov 13 2007 8" Aug 21 2004 8" | Aqr 11mmT6 11mmT6 | H431-2 PF,PS,R,NND,R=F CLEAR SKIES - H.H. LITE. | Galaxy S0- sp | CF,S,R,PSMBM |
| NGC 7601 Nov 03 2013 36" | Peg 17mmT4 | CF,PS,OVAL,UB,NND,R=F | Galaxy SAB(s)c: | PB,DIF |
| NGC 7602 Nov 03 2013 36" | Peg 17mmT4 | PF,PS,R,UB,NND,R=F | Galaxy S? | EF,ES,STELLAR |
| NGC 7606 Oct 06 2004 8" | Aqr 11mmT6 | H104-1 MB,EL,EON,NND,R=G | Galaxy SA(s)b | PF,CL,PME0 |
| NGC 7608 Nov 03 2013 36" | Peg 17mmT4 | CF,PS,EON,UB,NND,R=F,PA=22 | Galaxy S? | VF,PS,LE,LBM |
| NGC 7609 Nov 03 2013 36" | Peg 17mmT4 | CF,PS,OVAL,UB,NND,R=F | Galaxy Pec | VF,VS,GBM |
| NGC 7610 Oct 18 2009 12" | Peg 11mmT6 | PF,PS,OVAL,UB,NND,R=F | Galaxy Scd: | F,S,DIF |
| NGC 7611 Nov 03 2013 36" Oct 10 2004 8" | Psc 17mmT4 7.5mmW | CF,CS,OVAL,VEXT,BNUC,R=F MG,EL,NND,AV,R=F | Galaxy SB0+: | F,S,R,TRIW/2*19N |
| NGC 7612 Oct 18 2009 12" | Peg 11mmT6 | PF,PS,OVAL,FNUC,R=F | Galaxy S0 | PB,VS,R,BM |
| NGC 7615 Nov 03 2013 36" | Peg 17mmT4 | PF,PS,OVAL,MEXT,UB,NND,R=F | Galaxy Sb? | EF,CS |
| NGC 7619 Sep 10 2015 36" Sep 10 2015 12" Oct 26 2014 12" Oct 24 2012 18" Aug 25 2011 12" Oct 30 2005 31" Aug 21 2004 8" | Peg 17mmT4 7mm TV 11mmT6 7mm TV 7mm TV 17mmT4 11mmT6 | H439-2 F,S,UB,NND,R=G PF,PS,OVAL,UB,NND,R=F PF,PS,R,UB,NND,R=F F,PS,OVAL,FNUC,HSB,R=G PF,PS,R,FNUC,R=G VB,ML,R,FNUC,MSB,R=G CLEAR SKIES - H.H. LITE. | Galaxy E | CB,PS,R,PSBM |
| NGC 7620 Sep 09 2010 12" Oct 30 2005 31" | Peg 5.5mmN 17mmT4 | PF,CS,R,FNUC,R=F MB,ML,R,FNUC,MSB,R=G | Galaxy Scd: | F,S,VLE |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|---|---------------------------|-----------------------------|
| NGC 7621 | Peg | | Galaxy S | EF,VS,STELLAR |
| Oct 30 2005 31" | 17mmT4 | VF,VS,EL,NND,AV,R=F | | |
| NGC 7623 | Peg | H435-3 | Galaxy SA0^: | F,VS,R,PSBM |
| Oct 26 2014 12" | 11mmT6 | PF,VS,OVAL,UB,NND,R=P | | |
| Oct 30 2005 31" | 17mmT4 | VB,VL,OVAL,FNUC,MSB,R=G | | |
| NGC 7624 | Peg | | Galaxy Scd: | VF,LEORIR,DIF,VLBM |
| Oct 30 2005 31" | 17mmT4 | MB,ML,OVAL,NND,MSB,R=G | | |
| NGC 7625 | Peg | H250-2 | Galaxy SA(rs)a pec | PB,CS,R,SMBM |
| Sep 01 2005 8" | 7.5mmW | VF,VS,R,NND,AV,R=F | | |
| NGC 7626 | Peg | H440-2 | Galaxy E pec: | CB,PS,R,PSBM |
| Sep 10 2015 36" | 17mmT4 | SHOWS DIAGONAL BART IN 36". R=G | | |
| Sep 10 2015 12" | 7mm TV | PF,PS,OVAL,FNUC,R=F | | |
| Oct 26 2014 12" | 11mmT6 | PF,PS,R,UB,NND,R=F | | |
| Aug 25 2011 12" | 7mm TV | PF,PS,R,FNUC,R=G | | |
| Oct 30 2005 31" | 17mmT4 | VB,ML,R,FNUC,MSB,R=G | | |
| Aug 21 2004 8" | 11mmT6 | CLEAR SKIES - H.H. LITE. 1ST REAL TEST | | |
| NGC 7628 | Peg | | Galaxy E | VF,S,R,BM |
| Nov 02 2010 31" | 17mmT4 | F,PS,R,FNUC,HSB,R=G | | |
| Oct 30 2005 31" | 17mmT4 | MB,ML,OVAL,FNUC,MSB,R=G | | |
| NGC 7630 | Peg | | Galaxy S? | F,S |
| Oct 30 2005 31" | 17mmT4 | VF,VS,EL,NND,R=F | | |
| NGC 7631 | Peg | | Galaxy SA(r)b: | VF,VS |
| Sep 05 2010 12" | 5.5mmN | CF,PS,EON,UB,NND,R=F,PA=40 | | |
| Oct 30 2005 31" | 17mmT4 | MB,ML,EL,NND,R=F | | |
| NGC 7634 | Peg | H441-2 | Galaxy SB0 | F,S,F**ATT |
| Sep 05 2010 12" | 5.5mmN | CF,CS,R,UB,NND,R=P,PA=90 | | |
| NGC 7635 | Cas | H52-4 | Nebula E | VF,*8INV L EXCENTRIC |
| Oct 05 2016 12" | 11mmT6 | VF,S,R=F. DETECTED SOME NEBULOSITY W/O OIII. LITTLE BETTER WITH OIII. | | |
| Aug 21 2004 8" | 11mmT6 | CLEAR SKIES - H.H. LITE. 1ST REAL TEST | | |
| NGC 7640 | And | H600-2 | Galaxy SB(s)c | CF,L,ME164,VLBM,R |
| Oct 10 2004 8" | 11mmT6 | DIFF,EON,NND,LSB,R=F | | |
| NGC 7641 | Peg | | Galaxy | VF,S,IR,DIF,LBM |
| Nov 03 2013 36" | 17mmT4 | PF,PS,EON,UB,NND,R=F,PA=135 | | |
| NGC 7643 | Peg | | Galaxy S? | F,PS,IR,DIF,LBM |
| Nov 03 2013 36" | 17mmT4 | PF,PS,OVAL,MEXT,NND,R=G | | |

Observations Listing by Catalog Number

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|------------------|------------|---|---------------------------------|-----------------------------|
| NGC 7644 | Peg | | Galaxy | VF,PS,LE |
| Oct 25 2006 31" | 17mmT4 | CF,CS,EON,NND,R=F | | |
| NGC 7647 | Peg | H473-3 | Galaxy E | EF,(CL),P A ROWOF ST |
| Oct 25 2006 31" | 17mmT4 | CF,CS,OVAL,NND,R=F | | |
| NGC 7648 | Peg | H218-3 | Galaxy S0 | VF,PS,LE,BM |
| Sep 09 2010 12" | 5.5mmN | PF,PS,OVAL,MEXT,FNUC,R=F,PA=135 | | |
| NGC 7649 | Peg | | Galaxy E | VF,PL,R |
| Oct 25 2006 31" | 17mmT4 | B,L,OVAL,NND,R=G | | |
| NGC 7651 | Peg | | Galaxy cD | EF,S,R |
| Oct 25 2006 31" | 17mmT4 | PF,L,OVAL,NND,R=F | | |
| NGC 7653 | Peg | | Galaxy Sb | VF,PS,R,GBM |
| Oct 25 2006 31" | 17mmT4 | PB,L,R,FNUC,MHISB,R=G | | |
| Sep 04 2005 8" | 7.5mmW | VF,VVS,R,NND,AV,R=F | | |
| NGC 7654 | Cas | M52 | Open Cluster 11.0 II 2 r | CL,L,RI,MCM,R,*9..13 |
| Jan 25 2018 12" | 11mmT6 | NICE OBJECT | | |
| Dec 05 2015 12" | 17mmT4 | | | |
| Aug 21 2015 12" | 17mmT4 | | | |
| Oct 26 2014 12" | 22mmAT | EYE CANDY | | |
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | | |
| Mar 08 2010 12" | 32mmUW | M.M. 2010 MANUAL SETTING CIRCLES | | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | | |
| Aug 20 2006 1.9" | 12x50 | B,L,R=G | | |
| Mar 19 2006 8" | 25mmPL | PB,FL,R,R=G | | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | | |
| Dec 26 2003 8" | 25mmPL | Q/M COLD | | |
| NGC 7660 | Peg | | Galaxy E | F,VS,PSMBM,*10P |
| Aug 25 2009 16" | 11mmT6 | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 7662 | And | H18-4 | Planetary Neb 4+3 | PLN ORRING,VB,PS,R |
| Oct 05 2016 12" | 11mmT6 | B,S,OIII,R=G. BLUE STREAK NEBULA | | |
| Aug 21 2015 12" | 8mm Ds | PRETTY SMALL USED LP2 FILTER | | |
| Aug 24 2012 18" | 5mm TV | ROUND AND BRIGHT, OIII, BLUE SNOWBALL, R=E! | | |
| Nov 21 2006 8" | 11mmT6 | VB,PS,OVAL, NO CENTRAL STAR,R=G | | |
| Aug 23 2004 8" | 9mm | SMALL,FAINT. LOOK @ AGAIN LATER! | | |
| NGC 7664 | Peg | | Galaxy Sc: | VF,*S,2ST11,12P |
| Sep 04 2005 8" | 7.5mmW | VF,VS,OVAL,NND,AV,R=F | | |
| NGC 7671 | Peg | H226-3 | Galaxy SA0: | PB,S,R,VSMBM,*9P |
| Aug 24 2012 18" | 5mm TV | PF,VS,OVAL,MEXT,FNUC,R=F | | |

Observations Listing by Catalog Number

| | | | | |
|--|--------------------------------|--|---------------------------------|-----------------------------|
| NGC 7673 Nov 21 2006 8" | Peg 11mmT6 | VF,VS,OVAL,NND,AV,R=F | Galaxy (R')SAc? pec | F,S,R |
| NGC 7674 Sep 09 2010 12" | Peg 5.5mmN | CF,CS,R,UB,NND,R=F | Galaxy SA(r)bc pec | F,CS,GBM,P OF 2 |
| NGC 7677 Sep 09 2010 12" | Peg 5.5mmN | PF,CS,OVAL,MEXT,FNUC,R=F,PA=95, 4 STAR AST TO S.W. | Galaxy SAB(r)bc: | EF,VS,STELL |
| NGC 7678 Aug 25 2009 16" Sep 04 2005 8" | Peg 11mmT6 7.5mmW | H226-2 CF,CS,OVAL,NND,R=F VF,VS,OVAL,NND,R=F | Galaxy SAB(rs)c | VF,PL,VLE,LBM,AM4ST |
| NGC 7679 Oct 09 2007 8" | Psc 11mmT6 | VF,VS,R,NND,AV,R=F | Galaxy SB0 pec: | PB,S,R,MBMN,STELL |
| NGC 7680 Sep 04 2005 8" | Peg 7.5mmW | H860-3 VF,VS,R,FNUC,AV,R=F | Galaxy S0-: | VF,S,R,LBM,R |
| NGC 7685 Sep 19 2014 18" | Psc 8mm Ds | H426-3 VF,PS,OVAL,MEXT,UB,NND,R=F, WRO - 9/19/14 | Galaxy SAB(s)c: | EF,CL,R,GBM,**NR |
| NGC 7686 Oct 06 2004 8" | And 11mmT6 | H69-8 EB,OVAL,HISB,R=G | Open Cluster 7.0 III 2 p | CL,P,LC,*7...11 |
| NGC 7691 Aug 24 2012 18" | Peg 5mm TV | H213-3 PF,PS,OVAL,UB,NND,R=F | Galaxy SAB(rs)bc | EF,PL,TRI W/2*10 |
| NGC 7694 Sep 19 2014 18" | Psc 8mm Ds | H187-3 PF,PS,OVAL,VEXT,FNUC,R=G, WRO - 9/19/14 | Galaxy Im pec: | EF,PL,STELLAR |
| NGC 7701 Sep 19 2014 18" | Psc 8mm Ds | H188-3 PF,VS,OVAL,UB,NND,R=F, WRO - 9/19/14 | Galaxy | VF,S,R,MBM,*11SP |
| NGC 7708 Oct 24 2012 8" | Cep 11mmT6 | H62-8 LARGE AND LOOSE,R=F | Open Cluster 7.3 asteris | CL,L,P,LC,*8,10...15 |
| NGC 7711 Sep 09 2010 12" | Peg 5.5mmN | H244-2 PF,PS,OVAL,PEXT,FNUC,R=F,PA=170 | Galaxy S0 | F,S,R,PSBM,STELLAR |
| NGC 7712 Sep 09 2010 12" | Peg 5.5mmN | CF,VS,OVAL,UB,NND,R=F,PA=10 | Galaxy E? | VF |
| NGC 7716 Oct 09 2007 8" | Psc 11mmT6 | CF,PS,R,ND,AV,R=F | Galaxy SAB(r)b: | F,PL,LE,GBM,*10S |
| NGC 7720 Sep 12 2004 8" | Peg 11mmT6 | H146-3 F,EL,OVAL,NND,AV,F 13.9 (P) MAG. | Galaxy E+ pec: | F,S,LE,BM,AM ST |

Observations Listing by Catalog Number

| | | | | |
|---|--------------------------------|--|-------------------------------|-----------------------------|
| NGC 7721 Nov 09 2004 8" | Aqr 11mmT6 | H432-2 VF,EL,EON,NND,AV,R=F | Galaxy SA(s)c | PF,CL,E12,VGBM |
| NGC 7722 Sep 09 2010 12" | Peg 5.5mmN | H432-2 PF,PS,OVAL,MEXT,FNUC,R=G,PA=40 | Galaxy S0/a | PB,PL,R,MBM |
| NGC 7723 Oct 06 2004 8" | Aqr 11mmT6 | H110-1 MB,OVAL,NND,R=G | Galaxy SB(r)b | CB,CL,E,GMBM,R |
| NGC 7726 Nov 03 2013 36" | Peg 17mmT4 | H110-1 DIFF,,PF,CS,OVAL,MEXT,NND,R=F | Galaxy SB(s)b | EEF,PS,R,VDIFFIC |
| NGC 7727 Oct 06 2004 8" | Aqr 11mmT6 | H111-1 MB,OVAL,FNUC,R=G | Galaxy SAB(s)a pec | PB,PL,IR,MBM |
| NGC 7728 Nov 03 2013 36" | Peg 17mmT4 | H111-1 CFR,CS,OVAL,MEXT,FNUC,R=G | Galaxy E | VF,VS,LE,*10SP |
| NGC 7729 Nov 03 2013 36" | Peg 17mmT4 | H111-1 CF,PS,EON,UB,NND,R=F,PA=7 | Galaxy Sa | VF,S,IE,F*INV S |
| NGC 7735 Nov 03 2013 36" | Peg 17mmT4 | H111-1 CF,CS,OVAL,MEXT,UB,NND,R=F | Galaxy E | VF,S,VLE,*13NF VNR |
| NGC 7737 Nov 03 2013 36" | Peg 17mmT4 | H111-1 CF,PS,OVAL,MEXT,FNUC,R=G | Galaxy S0/a | VF,S,MBMN |
| NGC 7741 Sep 12 2004 8" Aug 21 2004 8" | Peg 11mmT6 11mmT6 | H208-2 B,S,EL,OVAL,FNUC,HISB,G CLEAR SKIES - H.H. LITE. 1ST REAL TEST | Galaxy SB(s)cd | CF,CL,IR,D*10,12NP2' |
| NGC 7742 Sep 19 2004 8" | Peg 7.5mmW | H255-2 B,EL,OVAL,NND,R=G | Galaxy SA(r)b | CB,CS,GMBM,*12F72" |
| NGC 7743 Sep 19 2004 8" | Peg 7.5mmW | H256-2 F,EL,OVAL,NND,R=G | Galaxy (R)SB(s)0+ | PF,S,R,*14SF |
| NGC 7747 Nov 03 2013 36" | Peg 17mmT4 | H256-2 PF,PS,OVAL,FNUC,R=F | Galaxy (R')SB(s)b | VF,VS,IR |
| NGC 7750 Sep 19 2014 18" | Psc 8mm Ds | H427-3 PF,PS,OVAL,PEXT,UB,NND,R=F | Galaxy (R')SB(rs)c pec | CF,PL,VLE0,LBM,*11SF |
| NGC 7751 Sep 19 2014 18" | Psc 8mm Ds | H437-3 VF,VS,R,UB,NND,R=F, WRO - 9/19/14 | Galaxy S? | F,S,R,GBM,ER |
| NGC 7752 Nov 03 2013 36" | Peg 17mmT4 | H437-3 CF,CS,OVAL,MEXT,FNUC,R=F | Galaxy I0: | F,S,LE,P 7753 |

Observations Listing by Catalog Number

| | | | | |
|--|--|---|---------------------------------|-----------------------------|
| NGC 7753 Sep 05 2010 12" | Peg 7mm TV | H213-2 CF,PS,OVAL,UB,NND,R=F,PA=100 | Galaxy SAB(rs)bc | CF,CL,VLE,VGLBM,R |
| NGC 7762 Nov 13 2007 8" | Cep 11mmT6 | H55-7 PF,PS,FAINT,R=F | Open Cluster 11.0 II 2 m | CL,PRI,PC,*11...15 |
| NGC 7768 Sep 12 2004 8" | Peg 11mmT6 | Galaxy E F,EL,OVAL,NND,AV,F 14.0 (P) MAG. | | VF,S,E,*INV,*P VNR |
| NGC 7769 Sep 10 2015 12" Oct 26 2014 12" Sep 19 2014 18" Sep 04 2005 8" | Peg 7mm TV 11mmT6 8mm Ds 11mmT6 | H230-2 PF,PS,R,UB,NND,R=F PF,S,OVAL,UB,NND,R=G PF,PS,R,FNUC,R=G, WRO - 9/19/14 MF,ML,R,NND,R=G | Galaxy (R)SA(rs)b | PF,PS,R,MBM |
| NGC 7770 Oct 26 2014 12" Sep 19 2014 18" | Peg 11mmT6 8mm Ds | Galaxy S0/a? VF,VS,OVAL,UB,NND,AVII,R=P PF,VS,OVAL,PEXT,UB,NND,R=F,, WRO - 9/19/14 | | VF,VS,IR,S OF 2 |
| NGC 7771 Sep 10 2015 12" Oct 26 2014 12" Sep 19 2014 18" Sep 04 2005 8" | Peg 7mm TV 11mmT6 8mm Ds 11mmT6 | H231-2 VF,PS,OVAL,MEXT,NND,R=F PF,PS,OVAL,MEXT,UB,NND,R=F PF,PS,OVAL,MEXT,UB,NND,R=F, WRO - 9/19/14 MF,ML,OVAL,NND,R=F | Galaxy SB(s)a | PB,PL,E84,BM,N OF 2 |
| NGC 7775 Sep 09 2010 12" | Peg 5.5mmN | Galaxy Scd: VF,CS,R,UB,NND,R=F | | VF,PS,LE,GLBM |
| NGC 7778 Oct 26 2014 12" Sep 19 2014 18" | Psc 11mmT6 8mm Ds | H231-3 VF,VS,R,UB,NND,R=F PF,PS,R,UB,NND,R=F,PAIRED W/NGC-7779, WRO - 9/19/14 | Galaxy E | CF,S,R,PSBM,1ST OF4 |
| NGC 7779 Oct 26 2014 12" Sep 19 2014 18" | Psc 11mmT6 8mm Ds | H232-3 VF,VS,OVAL,UB,NND,R=P PF,PS,R,UB,NND,R=F, PAIRED W/NGC-7778, WRO - 9/19/14 | Galaxy (R')SA0/a: | PF,S,R,PSBM,2ND OF 4 |
| NGC 7782 Oct 26 2014 12" Sep 19 2014 18" | Psc 11mmT6 8mm Ds | H233-3 PF,PS,OVAL,MEXT,NND,R=F PF,PS,OVAL,MEXT,UB,NND,R=F, WRO - 9/19/14 | Galaxy SA(s)b | PF,PL,LE,GLBM,4THOF4 |
| NGC 7785 Oct 09 2007 8" | Psc 11mmT6 | H468-2 CF,PS,OVAL,UB,NND,R=F | Galaxy E5-6 | PB,PS,IR,PSBM,R,*8P |
| NGC 7786 Sep 09 2010 12" | Peg 5.5mmN | Galaxy S? CF,VS,OVAL,UB,NND,R=F,PA=55 | | PF,PS,LE,VFSTINV,F-2 |
| NGC 7788 Sep 15 2004 8" | Cas 11mmT6 | Open Cluster I 2 p LIGHT CLOUDS IN & OUT | | CL,S,PRI,VC,*10,13.. |

Observations Listing by Catalog Number

| | | | | |
|------------------|------------|----------------------------------|---------------------------------|-----------------------------|
| NGC 7789 | Cas | H30-6 | Open Cluster 10.0 II 2 r | CL,VL,VRI,VMC,*11.18 |
| Jul 08 2018 12" | 17mmT4 | CAROLINE'S ROSE. | OUTSTANDING | |
| Dec 05 2015 12" | 17mmT4 | CAROLINE'S ROSE. | VERY NICE | |
| Nov 26 2006 1.9" | 12x50 | F,S,R=F | | |
| Nov 09 2006 8" | 19mmW | 15+,PF,R=F | | |
| Jul 24 2006 8" | 11mmT6 | PB,PL,R=G | | |
| Aug 21 2004 8" | 11mmT6 | CLEAR SKIES - H.H. LITE. | 1ST REAL TEST | |
| Dec 31 2003 8" | 25mmPL | H/M COLD | | |
| NGC 7790 | Cas | H56-7 | Open Cluster 10.0 II 2 m | CL,PRI,PC |
| Sep 15 2004 8" | 11mmT6 | LIGHT CLOUDS IN & OUT | | |
| NGC 7794 | Peg | H466-3 | Galaxy S? | VF,PS,IR |
| Sep 09 2010 12" | 5.5mmN | CF,CS,R,UB,NND,R=F | | |
| NGC 7797 | Psc | H867-3 | Galaxy Sbc | EF,PS,IR,LBM |
| Sep 19 2014 18" | 8mm Ds | VF,PS,R,UB,NND,AV,R=F | | |
| NGC 7798 | Peg | H232-2 | Galaxy S | PF,S,R,SBM,*10SP |
| Nov 21 2006 8" | 11mmT6 | VF,PS,OVAL,AV,R=F | | |
| NGC 7800 | Peg | H10-2 | Galaxy Im? | F,PS,E39 |
| Sep 09 2010 12" | 5.5mmN | CF,PS,OVAL,MEXT,UB,NND,R=F,PA=95 | | |
| NGC 7803 | Peg | | Galaxy S0/a | PF,PS,R,F*NP VNR |
| Oct 18 2009 12" | 11mmT6 | PF,PS,R,UB,NND,R=F | | |
| Nov 02 2005 31" | 19mmW | PB,PL,OVAL,FNUC,MSB,R=G | | |
| NGC 7805 | Peg | H855-3 | Galaxy SAB0^: pec | EF,S,R,SBM,SP OF 2 |
| Nov 02 2005 31" | 19mmW | PB,PL,OVAL,FNUC,MSB,R=G | | |
| NGC 7806 | Peg | H856-3 | Galaxy SA(rs)bc? pec | EF,S,R,NF OF 2,STELL |
| Nov 02 2005 31" | 19mmW | PB,PL,EL,OVAL,FNUC,MSB,R=G | | |
| NGC 7808 | Cet | | Galaxy (R')SA0^: | EF,VS,R,STELL N,*8SP |
| Nov 10 2012 18" | 7mm TV | VF,VS,R,UB,NND,R=F | | |
| NGC 7810 | Peg | H984-3 | Galaxy S0 | PF,STELL,2*NP INLINE |
| Nov 02 2005 31" | 19mmW | PBML,OVAL,FNUC,MSB,R=G | | |
| NGC 7814 | Peg | H240-2 | Galaxy SA(s)ab: sp | CB,CL,E,VGBM |
| Sep 24 2016 12" | 8mm Et | B,S,EON,FNUC,R=G | | |
| Aug 21 2015 12" | 8mm Ds | | | |
| Aug 25 2009 16" | 11mmT6 | PF,PS,EON,FNUC,R=F | | |
| Oct 30 2008 16" | 17mmT4 | PF,PS,OVAL,UB,NND,R=F | | |
| Nov 10 2007 31" | 17mmT4 | PB,PL,EL,OVAL,UB,NND,R=G | | |
| Jul 23 2006 8" | 11mmT6 | CF,CS,OVAL,NND,AV,R=F | | |
| Aug 21 2004 8" | 11mmT6 | CLEAR SKIES - H.H. LITE. | 1ST REAL TEST | |

Observations Listing by Catalog Number

| | | | | |
|-----------------|------------|--|------------------------|-----------------------------|
| NGC 7817 | Peg | H227-2 | Galaxy SAbc: sp | PF,CL,ME45,LBM |
| Sep 24 2016 12" | 8mm Et | VF,PS,OVAL,MEXT,NND,R=F | | |
| Sep 19 2014 18" | 8mm Ds | PF,PS,OVAL,UB,NND,R=F, WRO - 9/13/14 | | |
| Aug 25 2009 16" | 11mmT6 | DIFF,CF,PS,EON,NND,R=F | | |
| Sep 15 2004 8" | 7.5mmW | EF,OVAL,PATCH,NND,AV,R=F | | |
| NGC 7819 | Peg | | Galaxy SB(s)b | EF,L |
| Aug 25 2009 16" | 11mmT6 | VF,VS,R,NND,AV,R=F | | |
| Nov 02 2005 31" | 19mmW | PF,ML,OVAL,NND,R=F | | |
| NGC 7831 | And | | Galaxy Sb: sp | EF,VS,ME,VF*VNR |
| Aug 24 2012 18" | 5mm TV | PF,PS,OVAL,VEXT,UB,NND,R=F | | |
| Sep 09 2010 12" | 5.5mmN | CF,PS,EON,UB,NND,R=F,PA=90 | | |
| NGC 7832 | Psc | H190-3 | Galaxy E+ | VF,VS,R,VGPSMBM,2*SF |
| Nov 10 2007 31" | 17mmT4 | PB,L,OVA,,NND,R=F | | |
| NGC 7836 | And | | Galaxy I? | EF,VS,R,BET2* |
| Aug 24 2012 18" | 5mm TV | PF,PS,OVAL,UB,NND,R=F | | |
| PAL 1 | Cep | | Globular | |
| Sep 19 2014 18" | 8mm Ds | VF,VS,AVII,R=F,, WRO - 9/19/14 | | |
| Sep 14 2012 18" | 7mm TV | VF,PS,R=F,FAINT SMUDGE OF A GLOBULAR | | |
| PAL 4 | UMa | | Globular | |
| Apr 06 2010 12" | 11mmT6 | VF,VS,AV,R=F,FAINT SMUDGE, 12TH MAG START TO WEST. | | |
| PAL 5 | Ser | | Globular | |
| Jul 01 2016 12" | 8mm Et | VF,S,R=F | | |
| Jun 09 2007 8" | 7.5mmW | VF,VS,AV,R=F | | |
| Jun 04 2005 31" | 17mmT4 | VF,VS,R,AV,R=F | | |
| PAL 6 | Oph | | Globular | |
| Jul 13 2007 8" | 7.5mmW | VF,VS,R,PATCHY,AV,R=F | | |
| PAL 8 | Sgr | | Globular | |
| Jul 09 2005 8" | 11mmT6 | VF,ML,R,R=F | | |
| PAL 10 | Sge | | Globular | |
| May 21 2009 16" | 11mmT6 | VF,PS,AV,R=F UNRESOLVED. | | |
| PAL 11 | Aql | | Globular | |
| Jul 31 2005 8" | 11mmT6 | DIFF, VF,ML,R,LOWSB,R=F | | |
| PAL 13 | Peg | | Globular | |
| Nov 02 2005 31" | 19mmW | PF,PS,PATCHY,R=F, CAN'T RESOLVE STARS | | |
| PAL 14 | Her | | Globular | |
| May 21 2009 16" | 11mmT6 | CF,PS,R=F, UNRESOLVED,STAR IN FRONT. | | |

Observations Listing by Catalog Number

| | | | |
|-----------------------------------|----------------------|--|------------------------------|
| PAL 15 May 21 2009 16" | LMi 11mmT6 | VF,PS,AV,R=F UNRESOLVED. | Globular |
| PEASE 1 Sep 27 2005 31" | Peg 17mmT4 | VB,VS,R=F | Planetary Neb 1 |
| PGC 25 Sep 19 2014 18" | Peg 8mm Ds | VF,VS,OVAL,MEXT,NND,R=F, WRO - 9/13/14 | Galaxy Double System |
| PGC 108 Nov 02 2005 31" | Peg 19mmW | MF,PL,OVAL,NND,R=F | Galaxy S? |
| PGC 120 Sep 19 2014 18" | Peg 8mm Ds | PF,VS,OVAL,UB,NND,R=F, WRO - 9/19/14 | Galaxy (R)S(r)cd: pec |
| PGC 134 Nov 02 2005 31" | Peg 19mmW | PF,PS,R,NND,R=F | Galaxy |
| PGC 356 Nov 10 2007 31" | Psc 17mmT4 | VF,PS,OVAL.MNND,AV,R=F | Galaxy Sb |
| PGC 619 Nov 02 2005 31" | Peg 19mmW | MF,ML,OVAL,NND,R=F | Galaxy Scd: |
| PGC 731 Oct 12 2012 18" | And 7mm TV | VF,VS,EON,UB,NND,AV2,R=P | Galaxy Scd: |
| PGC 782 Feb 20 2006 31" | Psc 17mmT4 | DIFF,B,ML,OVAL,FNUC,R=F | Galaxy SBa |
| PGC 797 Dec 12 2012 36" | Psc 17mmT4 | VF,VS,OVAL,UB,NND,R=F, COMPANION OF NGC-36 | Galaxy S |
| PGC 847 Nov 02 2005 31" | Peg 19mmW | PF,PS,EL,OVAL,R=F | Galaxy Sa |
| PGC 873 Dec 12 2012 36" | Psc 17mmT4 | VF,VS,OVAL,UB,NND,R=F | Galaxy SBb |
| PGC 878 Nov 02 2005 31" | Peg 19mmW | B,ML,OVAL,FNUC,R=F | Galaxy S? |
| PGC 911 Nov 02 2005 31" | Peg 19mmW | VF,VS,R,NND,AV,R=F | Galaxy S |
| PGC 971 Dec 12 2012 36" | Cet 17mmT4 | PF,VSW,OVAL,UB,NND,R=-F | Galaxy S0 |

Observations Listing by Catalog Number

| | | |
|-----------------|--|---------------------------|
| PGC 972 | Cet | Galaxy |
| Dec 12 2012 36" | 17mmT4 VF,VS,OVAL,UB,NND,R=F | |
| PGC 1183 | And | Galaxy |
| Oct 12 2012 18" | 7mm TV VF,VS,OVAL,UB,NND,AV2,R=P | |
| PGC 1942 | ScI | Galaxy Sc sp |
| Dec 12 2012 36" | 17mmT4 PF,VS,EON,UB,NND,R=F,PA=70 | |
| PGC 2458 | And | Galaxy Scd: |
| Dec 12 2012 36" | 17mmT4 VF,VS,EON,UB,NND,R=F,PA=45 | |
| PGC 2526 | Cet | Galaxy SB(s)cd? sp |
| Dec 12 2012 36" | 17mmT4 PF,PS,EON,UB,NND,R=F,PA=90,STAR AT WEST TIP | |
| PGC 2800 | Cet | Galaxy (R')SBb: |
| Dec 12 2012 36" | 17mmT4 VF,VS,EON,UB,NND,R=F,60 DEGREES FROM NORTH | |
| PGC 2805 | Cet | Galaxy SBd pec sp |
| Dec 12 2012 36" | 17mmT4 PF,PS,EON,UB,NND,R=F,PA=75,STAR NW OF GX | |
| PGC 3133 | Psc | Galaxy S? |
| Dec 12 2012 36" | 17mmT4 PF,VS,EON,UB,NND,R=F,PA=170 | |
| PGC 3777 | Psc | Galaxy S |
| Oct 30 2005 31" | 17mmT4 VF,VS,OVAL,NND,R=F | |
| PGC 4063 | Cet | Galaxy SB(s)d? sp |
| Dec 12 2012 36" | 17mmT4 PF,PS,EON,UB,NND,R=F,PA=90 | |
| PGC 4878 | And | Galaxy Sc |
| Oct 30 2005 31" | 17mmT4 VF,VS,R,NND,AV,R=F | |
| PGC 5213 | Psc | Galaxy SBb |
| Dec 12 2012 36" | 17mmT4 VF,VS,OVAL,UB,ND,R=F | |
| PGC 5873 | Tri | Galaxy S |
| Nov 24 2006 31" | 20mmUW PF,PS,OVAL,NND,R=F | |
| PGC 5883 | Tri | Galaxy |
| Nov 24 2006 31" | 20mmUW PF,S,OVAL,NND,R=F | |
| PGC 5904 | Tri | Galaxy SABdm: |
| Nov 24 2006 31" | 20mmUW PF,L,R,NND,R=F | |
| PGC 6189 | Tri | Galaxy Scd: |
| Dec 12 2012 36" | 17mmT4 PF,PS,EON,,AV,R=P,PA=50 | |

Observations Listing by Catalog Number

| | | |
|-----------------|--|--------------------------|
| PGC 6425 | Psc | Galaxy S IV-V |
| Nov 10 2007 31" | 17mmT4 VF,VS,OVAL,NND,AV,R=F | |
| PGC 6699 | Tri | Galaxy Sdm |
| Dec 12 2012 36" | 17mmT4 B,S,EON,UB,NND,R=F,ABUTS PGC-6700,PA=45 | |
| PGC 6700 | Tri | Galaxy C |
| Dec 12 2012 36" | 17mmT4 PF,VS,OVAL,UB,NND,R=F | |
| PGC 6966 | Cet | Galaxy SA(s)c? sp |
| Dec 12 2012 36" | 17mmT4 PF,PS,EON,FUC,R=G,PA=170.OFFSET BULGE TOWARDS NORTH | |
| PGC 7244 | Cet | Galaxy Sbc: sp |
| Dec 12 2012 36" | 17mmT4 VG,VS,EON,NND,R=P,PA=140 | |
| PGC 7888 | Tri | Galaxy |
| Nov 02 2005 31" | 19mmW B,ML,R,NND,R=F | |
| PGC 7931 | Tri | Galaxy S? |
| Nov 02 2005 31" | 19mmW VF,VS,OVAL,NND,AV,R=F | |
| PGC 7967 | Tri | Galaxy SBbc |
| Nov 02 2005 31" | 19mmW MB,ML,OVAL,FNUC,MSB,R=G | |
| PGC 8013 | Tri | Galaxy S0-: |
| Nov 02 2005 31" | 19mmW PB,FL,OVAL,FNUC,MSB,R=G | |
| PGC 8019 | Tri | Galaxy S? |
| Nov 02 2005 31" | 19mmW FB,FL,EON,FNUC,MSB,R=G | |
| PGC 8040 | Tri | Galaxy SAB0^ |
| Nov 02 2005 31" | 19mmW FB,ML,OVAL,FNUC,MSB,R=G | |
| PGC 8608 | Tri | Galaxy C |
| Dec 19 2006 31" | 17mmT4 PF,PS,OVAL,NND,R=F | |
| PGC 8613 | Tri | Galaxy C |
| Dec 19 2006 31" | 17mmT4 CF,CS,OVAL,NND,R=F | |
| PGC 8763 | Tri | Galaxy |
| Dec 19 2006 31" | 17mmT4 VF,VS,OVAL,NND,AV,R=F | |
| PGC 8842 | Tri | Galaxy |
| Dec 19 2006 31" | 17mmT4 PF,PS,OVAL,NND,AV,R=F | |
| PGC 8857 | Tri | Galaxy C |
| Dec 19 2006 31" | 17mmT4 PF,VS,R,FNUC,R=F | |

Observations Listing by Catalog Number

| | | |
|------------------|---|--------------------------|
| PGC 8913 | Cet | Galaxy SB(s)m: sp |
| Dec 12 2012 36" | 17mmT4 VF,VS,EON,NND,R=P,PA=60 | |
| PGC 8964 | Ari | Galaxy Sd |
| Dec 12 2012 36" | 17mmT4 VF,VS,EON,NND,AV,R=P,PA=155 | |
| PGC 9134 | Tri | Galaxy Sd |
| Dec 12 2012 36" | 17mmT4 VF,VS,EON,NND,AV,R=F,PA=50 | |
| PGC 9180 | And | Galaxy SBa |
| Oct 30 2005 31" | 17mmT4 MF,MS,EL,NND,R=F | |
| PGC 9203 | And | Galaxy C |
| Oct 30 2005 31" | 17mmT4 MB,MS,EL,OVAL,NND,R=F | |
| PGC 9375 | Tri | Galaxy Scd: |
| Dec 12 2012 36" | 17mmT4 VF,PS,EON,UB,NND,AV3,R=F,PA=180 | |
| PGC 9638 | Ari | Galaxy Scd: |
| Dec 12 2012 36" | 17mmT4 VS,PS,EON,NND,AV,R=F,PA=90 | |
| PGC 9764 | Ari | Galaxy S |
| Oct 30 2005 31" | 17mmT4 VF,MS,EL,NND,R=F | |
| PGC 9789 | Tri | Galaxy |
| Dec 19 2006 31" | 17mmT4 PF,S,E,OVAL,NND,R=F | |
| PGC 9820 | Tri | Galaxy S |
| Dec 19 2006 31" | 17mmT4 VF,VS,OVAL,NND,AV,R=F | |
| PGC 9888 | Ari | Galaxy Scd: |
| Dec 12 2012 36" | 17mmT4 PF,PS,EON,NND,R=F,PA=120 | |
| PGC 9904 | Cet | Galaxy Scd: |
| Dec 12 2012 36" | 17mmT4 VF,PS,EON,NND,AV2,R=P,PA=25 | |
| PGC 9983 | And | Galaxy Sab |
| Oct 10 2012 18" | 8.8 ES F,S,EON,UB,NND,R=F,14.7 MAG, DIRECT VISION | |
| PGC 10044 | Ari | Galaxy IB(s)m pec |
| Oct 25 2006 31" | 17mmT4 PF,PS,OVAL,NND,R=F | |
| PGC 10046 | Ari | Galaxy SB0/a: sp |
| Oct 25 2006 31" | 17mmT4 PB,S,EON,FNUC,R=G | |
| PGC 10047 | Per | Galaxy Sc |
| Oct 10 2012 18" | 8.8 ES VF,PS,OVAL,UB,AV2,R=P | |

Observations Listing by Catalog Number

| | | |
|------------------|---|-----------------------------|
| PGC 11210 | Per | Galaxy SA(s)cd |
| Nov 10 2012 18" | 7mm TV VF,PS,OVAL,UB,NND,R=F | |
| PGC 11252 | Cet | Galaxy Sd |
| Dec 12 2012 36" | 17mmT4 PF,PS,EON,UB,NND,R=F | |
| PGC 11281 | Per | Galaxy |
| Aug 24 2012 18" | 5mm TV VF,PS,EON,NND,AV2,R=F, AKA/UGC-11281 | |
| PGC 11369 | Per | Galaxy IAm |
| Nov 10 2012 18" | 7mm TV VF,VS,EON,UB,NND,R=F,PA=80 | |
| PGC 11434 | Per | Galaxy Compact group |
| Nov 10 2012 18" | 7mm TV PF,VS,R,UB,NND,R=F | |
| PGC 11437 | Per | Galaxy SB(r)0/a |
| Nov 10 2012 18" | 7mm TV PF,VS,OVAL,UB,FNUC,R=F | |
| PGC 11444 | Per | Galaxy Double System |
| Nov 10 2012 18" | 7mm TV VF,VS,EON,UB,NND,R=P,PA=125 | |
| PGC 11447 | Per | Galaxy S? |
| Nov 10 2012 18" | 7mm TV PF,VS,EON,UB,NND,R=F,PA=90 | |
| PGC 11625 | Per | Galaxy Sb |
| Nov 10 2012 18" | 7mm TV PF,PS,EON,UBL,NND,R=F,PA=15 | |
| PGC 11863 | Per | Galaxy S0? |
| Dec 13 2012 18" | 8.8 ES VF,VS,OVAL,UB,NND,R=F | |
| PGC 11982 | Per | Galaxy S? |
| Dec 13 2012 18" | 7mm TV VF,PS,OVAL,NND,AV,R=P | |
| PGC 12004 | Per | Galaxy |
| Dec 13 2012 18" | 7mm TV VF,VS,OVAL,PEXT,UB,NND,R=F | |
| PGC 12038 | Per | Galaxy S0: |
| Dec 13 2012 18" | 7mm TV VF,VS,OVAL,PEXT,FNUC,R=F | |
| PGC 12039 | Per | Galaxy |
| Dec 13 2012 18" | 7mm TV PF,CS,OVAL,MEXT,FNUC,R=F | |
| PGC 12073 | Per | Galaxy Dwarf |
| Dec 13 2012 18" | 7mm TV VF,PS,OVAL,MEXT,NND,AV4,R=P | |
| PGC 12081 | Per | Galaxy (R')SB(s)b |
| Dec 13 2012 18" | 8.8 ES PF,VS,OVAL,UB,NND,R=F | |

Observations Listing by Catalog Number

| | | |
|------------------|--|---------------------------|
| PGC 12089 | Per | Galaxy Scd: |
| Dec 13 2012 18" | 8.8 ES VF,VS,R,UB,NND,R=F | |
| PGC 12092 | Per | Galaxy S0/a |
| Dec 13 2012 18" | 8.8 ES PF,PS,OVAL,MEXT,UB,ND,R=F | |
| PGC 12097 | Per | Galaxy |
| Dec 13 2012 18" | 7mm TV VF,VS,R,UB,NND,AV2,R=P | |
| PGC 12132 | Per | Galaxy SAB(s)d |
| Dec 13 2012 18" | 7mm TV DIFF,VF,PS,OVAL,PEXT,UB,NND,R=F | |
| PGC 12133 | Per | Galaxy Sab |
| Dec 13 2012 18" | 7mm TV PF,VS,OVAL,PEXT,UB,NND,R=F | |
| PGC 12185 | Per | Galaxy Sa? |
| Dec 13 2012 18" | 7mm TV PF,PS,EON,UB,NND,R=F | |
| PGC 12254 | Per | Galaxy |
| Dec 13 2012 18" | 7mm TV VF,PS,R,UB,NND,R=F | |
| Oct 31 2010 12" | 11mmT6 CF,CS,OVAL,UB,NND,R=F,AV2 | |
| PGC 12397 | Per | Galaxy Sc? |
| Nov 10 2012 18" | 7mm TV VF,VS,EON,UB,NND,R=F,PA=15 | |
| PGC 12430 | Per | Galaxy |
| Nov 10 2012 18" | 7mm TV VF,VS,R,UB,NND,AV1,R=F | |
| PGC 13884 | Per | Galaxy Sbc |
| Dec 18 2006 31" | 20mmUW PF,PS,EON,NND,R=F | |
| PGC 14034 | Per | Galaxy S? |
| Dec 18 2006 31" | 20mmUW PF,L,OVA,NND,R=F | |
| PGC 14152 | Per | Galaxy S0 |
| Dec 18 2006 31" | 20mmUW PF,PS,OVAL,NND,R=F | |
| PGC 14253 | Tau | Galaxy S IV |
| Dec 18 2006 31" | 20mmUW VF,PS,R,NND,AV,R=F | |
| PGC 14276 | Per | Galaxy Scd: |
| Dec 18 2006 31" | 20mmUW VF,PS,EON,NND,R=F | |
| PGC 14314 | Tau | Galaxy (R)SB(s)a |
| Dec 18 2006 31" | 20mmUW F,PS,OVAL,NND,R=F | |
| PGC 14315 | Tau | Galaxy (R')SAB(s)a |
| Dec 18 2006 31" | 20mmUW VF,PS,R,NND,AV,R=F | |

Observations Listing by Catalog Number

| | | |
|------------------|-----------------------------------|------------------------------|
| PGC 15548 | Cam | Galaxy S0-: |
| Oct 12 2012 18" | 7mm TV VF,VS,OVAL,MEXT,UB,NND,R=F | |
| PGC 15620 | Eri | Galaxy (R')SB(rs)0+: |
| Feb 20 2006 31" | 17mmT4 MB,ML,R,FNUC,MSB,R=G | |
| PGC 15624 | Eri | Galaxy S? |
| Feb 20 2006 31" | 17mmT4 MF,MS,OVAL,NND,R=F | |
| PGC 15631 | Eri | Galaxy (R')SAB(rs)0+: |
| Feb 20 2006 31" | 17mmT4 MB,ML,OVAL,FNUC,R=G | |
| PGC 15636 | Eri | Galaxy S |
| Feb 20 2006 31" | 17mmT4 MF,MS,OVAL,FNUC,R=F | |
| PGC 16012 | Ori | Galaxy Sd |
| Feb 03 2005 31" | 11mmT6 VF,MS,OVAL,NND,AV,R=F | |
| PGC 16017 | Ori | Galaxy Sa |
| Feb 03 2005 31" | 11mmT6 MB,MS,EL,EON,FNUC,R=G | |
| PGC 19566 | Cam | Galaxy S |
| Oct 12 2012 18" | 7mm TV VF,PS,R,UB,NND,AV3,R=P | |
| PGC 20274 | Mon | Galaxy IAB(s)m |
| Dec 04 2004 8" | 11mmT6 VF,OVAL,NND,AV,R=G | |
| PGC 20308 | Lyn | Galaxy L |
| Feb 01 2005 31" | 17mmT4 MF,MS,OVAL,FNUC,R=G | |
| PGC 20327 | Lyn | Galaxy C |
| Feb 01 2005 31" | 17mmT4 VF,OVAL,NND,AV,R=F | |
| PGC 20364 | Lyn | Galaxy S0-: |
| Feb 01 2005 31" | 17mmT4 MB,ML,EL,FNUC,MSB,R=G | |
| PGC 20383 | Cam | Galaxy S? |
| Dec 20 2006 31" | 17mmT4 PF,PS,OVAL,NND,AV,R=F | |
| PGC 20434 | Cam | Galaxy I? |
| Dec 20 2006 31" | 17mmT4 VF,VS,OVAL,NND,AV,R=F | |
| PGC 20460 | Cam | Galaxy Ring |
| Dec 20 2006 31" | 17mmT4 CB,PS,E,OVAL,FNUC,R=F | |
| PGC 20695 | Gem | Galaxy Sa: |
| Feb 20 2006 31" | 17mmT4 MF,ML,R,NND,R=F | |

Observations Listing by Catalog Number

| | | |
|------------------|-------------------------------------|-----------------------------|
| PGC 20881 | Gem | Galaxy SB? |
| Feb 20 2006 31" | 17mmT4 MB,MS,R,FNUC,MSB,R=G | |
| PGC 20977 | Gem | Galaxy |
| Feb 23 2006 31" | 19mmW PF,PS,EON,NND,R=F | |
| PGC 20988 | Gem | Galaxy Double System |
| Feb 23 2006 31" | 19mmW VF,PS,R,NND,R=F | |
| PGC 21032 | Gem | Galaxy Sb |
| Feb 23 2006 31" | 19mmW VF,VS,OVAL,NND,R=F | |
| PGC 21064 | Gem | Galaxy |
| Feb 23 2006 31" | 19mmW PF,FS,OVA,NND,R=F | |
| PGC 21475 | Lyn | Galaxy Scd: |
| Feb 20 2006 31" | 17mmT4 VF,MS,OVAL,PATCHY,NND,R=F | |
| PGC 21635 | Lyn | Galaxy S |
| Feb 01 2005 31" | 17mmT4 MF,ML,OVAL,PATCH,NND,R=F | |
| PGC 21650 | Lyn | Galaxy |
| Feb 01 2005 31" | 17mmT4 VS,R,NND,R=F | |
| PGC 21685 | Cam | Galaxy S |
| Dec 20 2006 31" | 17mmT4 VF,VS,OVAL,NND,AV,R=F | |
| PGC 21693 | Cam | Galaxy SB? |
| Dec 20 2006 31" | 17mmT4 VF,VS,OVAL,NND,AV,R=F | |
| PGC 21896 | Cam | Galaxy S0-: |
| Dec 20 2006 31" | 17mmT4 PB:,PS,E,OVAL,FNUC,MHISB,R=G | |
| PGC 21971 | Cam | Galaxy SAB(s)c? |
| Dec 20 2006 31" | 17mmT4 PB,PL,R,BNUC,HISB,R=G | |
| PGC 22010 | Cam | Galaxy |
| Dec 20 2006 31" | 17mmT4 VF,CS,OVAL,NND,AV,R=F | |
| PGC 22044 | Cam | Galaxy Sc |
| Dec 20 2006 31" | 17mmT4 VF,VS,OVAL,NND,AV,R=F | |
| PGC 22050 | Cam | Galaxy E? |
| Dec 20 2006 31" | 17mmT4 PB,PL,E,OVAL,FNUC,R=G | |
| PGC 22067 | Cam | Galaxy S? |
| Dec 20 2006 31" | 17mmT4 PF,PS,OVAL,NND,R=F | |

Observations Listing by Catalog Number

| | | |
|------------------|---|-------------------------|
| PGC 22127 | Cam | Galaxy Sa |
| Dec 20 2006 31" | 17mmT4 PB,PL,EON,BNUC,HISB,R=G | |
| PGC 22161 | Lyn | Galaxy D |
| Feb 01 2005 31" | 17mmT4 VF,VS,OVAL,PATCH,NND,AV,R=F | |
| PGC 22172 | Lyn | Galaxy S |
| Feb 01 2005 31" | 17mmT4 VF,VS,EL,EON,NND,R=F | |
| PGC 22175 | Lyn | Galaxy S pec |
| Feb 01 2005 31" | 17mmT4 MB,ML,EL,OVAL,UB,R=G | |
| PGC 22373 | Lyn | Galaxy E |
| Feb 20 2006 31" | 17mmT4 MB,ML,OVAL,FNUC,MSB,R=F | |
| PGC 22376 | Lyn | Galaxy S0 |
| Feb 20 2006 31" | 17mmT4 MB,MS,OVAL,NND,R=F | |
| PGC 22506 | Cnc | Galaxy Sb |
| Feb 17 2012 18" | 7mm TV VF,VS,EON,AV,R=F. AKA - UGC-4171, A.L. FLAT GALAXY | |
| PGC 22533 | Lyn | Galaxy S0/a |
| Nov 10 2012 18" | 7mm TV PF,VS,EON,UB,NND,R=F,PA=50 | |
| PGC 22890 | Lyn | Galaxy Sab |
| Nov 10 2012 18" | 7mm TV VF,VS,EON,UB,NND,R=F,PA=40 | |
| PGC 22891 | Lyn | Galaxy E/S0 |
| Nov 10 2012 18" | 7mm TV VF,VS,R,UB,NND,R=F | |
| PGC 22906 | Lyn | Galaxy E |
| Nov 10 2012 18" | 7mm TV VF,VS,OVAL,UB,AV1,R=F | |
| PGC 22914 | Lyn | Galaxy S? |
| Nov 10 2012 18" | 7mm TV VF,VS,R,UB,NND,AV,R=F | |
| PGC 24978 | Cam | Galaxy Dwarf Irr |
| Mar 08 2013 18" | 7mm TV VF,VS,OVAL,UB,NND,AV,R=F | |
| PGC 27681 | Leo | Galaxy Sb |
| Mar 30 2014 18" | 7mm TV VF,PS,EON,NND,AV,R=F,PA=130 | |
| PGC 28700 | Leo | Galaxy Scd: |
| May 25 2014 18" | 8mm Ds VF,PS,EON,UB,NND,R=F,PA=55 | |
| PGC 28913 | Sex | Galaxy IB(s)m |
| Mar 15 2005 8" | 11mmT6 MB,VS,OVAL,NND,AV,R=F | |

Observations Listing by Catalog Number

| | | |
|------------------|------------------------------------|--------------------------|
| PGC 29372 | Leo | Galaxy Sb |
| Apr 07 2008 31" | 17mmT4 VF,VS,R,NND,AV,R=F | |
| PGC 29413 | Leo | Galaxy SABdm: |
| Apr 19 2006 31" | 19mmW PF,PS,OVAL,NND,R=F | |
| PGC 29472 | UMA | Galaxy SB(s)c? sp |
| May 25 2014 18" | 8mm Ds VF,PS,EON,UB,NND,R=F,PA=125 | |
| PGC 29488 | Leo | Galaxy E3 |
| Apr 29 2011 12" | 17mmAT DIFF,CF,PS,OVAL,UB,NND,R=F | |
| Apr 19 2006 31" | 19mmW PF,PL,OVAL,NND,R=F | |
| PGC 29698 | Leo | Galaxy Scd: |
| May 25 2014 18" | 8mm Ds VF,VS,EON,UB,NND,R=F,PA=95 | |
| PGC 29722 | Leo | Galaxy S |
| Apr 15 2007 31" | 17mmT4 PB,L,EON,BNUC,HISB,R=G | |
| PGC 29768 | Leo | Galaxy S |
| Apr 15 2007 31" | 17mmT4 PF,S,OVAL,NND,R=F | |
| PGC 30008 | Leo | Galaxy S |
| Apr 15 2007 31" | 17mmT4 B,PS,R,NND,R=F | |
| PGC 30221 | Leo | Galaxy Sb |
| Apr 21 2007 31" | 17mmT4 CF,PS,EON,NND,R=F | |
| PGC 30263 | Leo | Galaxy S? |
| Apr 21 2007 31" | 17mmT4 PF,CS,OVAL,FNUC,R=F | |
| PGC 30265 | Leo | Galaxy |
| Apr 21 2007 31" | 17mmT4 PF,CS,OVAL,FNUC,R=F | |
| PGC 30326 | Leo | Galaxy S |
| Apr 21 2007 31" | 17mmT4 CF,PS,R,NND,AV,R=F | |
| PGC 30328 | Leo | Galaxy Sab |
| Apr 21 2007 31" | 17mmT4 CF,PS,EON,NND,AV,R=F | |
| PGC 30378 | Leo | Galaxy C |
| Apr 28 2006 31" | 19mmW PF,PS,R,NND,AV,R=F | |
| PGC 30397 | Leo | Galaxy |
| Apr 21 2007 31" | 17mmT4 F,CS,R,NND,R=F | |
| PGC 30431 | Leo | Galaxy |
| Apr 21 2007 31" | 17mmT4 DIFF,PB,PS,R,NND,R=F | |

Observations Listing by Catalog Number

| | | |
|------------------|------------------------------------|--------------------|
| PGC 30432 | Leo | Galaxy L |
| Apr 21 2007 31" | 17mmT4 DIFF,PB,L,R,NND,R=F | |
| PGC 30456 | Leo | Galaxy |
| Apr 21 2007 31" | 17mmT4 PB,CS,OVAL,FNUC,MSB,R=G | |
| PGC 30464 | Leo | Galaxy S |
| Apr 21 2007 31" | 17mmT4 VF,CS,EON,NND,AV,R=F | |
| PGC 30573 | Leo | Galaxy S |
| Apr 21 2007 31" | 17mmT4 DIFF,PB,CL,R,NND,R=F | |
| PGC 30585 | Leo | Galaxy SB? |
| Apr 21 2007 31" | 17mmT4 PB,PS,OVAL,FNUC,MSB,R=G | |
| PGC 31037 | Sex | Galaxy SBd: |
| May 25 2014 18" | 8mm Ds PF,PS,EON,UB,NND,R=F,PA=150 | |
| PGC 31075 | Leo | Galaxy Sbc |
| Apr 19 2006 31" | 19mmW PB,PL,EON,UB,BNUC,R=G | |
| PGC 31526 | Leo | Galaxy Sc |
| Apr 21 2007 31" | 17mmT4 CF,PS,R,NND,AV,R=F | |
| PGC 31697 | UMa | Galaxy S? |
| Feb 23 2006 31" | 17mmT4 PB,PL,EON,BNUC,HISB,R=G | |
| PGC 31720 | UMa | Galaxy S? |
| Feb 23 2006 31" | 17mmT4 PB,PL,EON,BNUC,HISB,R=G | |
| PGC 31959 | UMa | Galaxy SBb |
| Feb 23 2006 31" | 17mmT4 PB,PL,EON,BNUC,HISB,R=G | |
| PGC 31965 | UMa | Galaxy S0/a |
| Feb 23 2006 31" | 17mmT4 PB,PL,EON,FNUC,MSB,R=G | |
| PGC 32418 | Leo | Galaxy |
| Apr 07 2008 31" | 17mmT4 PF,VS,R,NND,R=F | |
| PGC 32419 | Leo | Galaxy |
| Apr 07 2008 31" | 17mmT4 PF,VS,OVAL,NND,AV,R=F | |
| PGC 32572 | Leo | Galaxy DB |
| Apr 07 2008 31" | 17mmT4 DIFF,PF,PL,OVAL,NND,LSB,R=F | |
| PGC 32948 | Leo | Galaxy |
| Apr 19 2007 31" | 17mmT4 VF,VS,R,NND,AV,R=F | |

Observations Listing by Catalog Number

| | | |
|------------------|---------------------------------|----------------------------|
| PGC 33147 | Leo | Galaxy Sbc |
| Apr 19 2007 31" | 17mmT4 VF,L,EON,NND,AV,R=F | |
| PGC 33170 | Leo | Galaxy |
| Apr 19 2007 31" | 17mmT4 PF,PS,R,NND,R=F | |
| PGC 33213 | Leo | Galaxy |
| Apr 19 2007 31" | 17mmT4 PF,PS,EL,OVAL,NND,R=F | |
| PGC 33237 | Leo | Galaxy S |
| Apr 19 2007 31" | 17mmT4 VF,VS,EL,OVAL,NND,AV,R=F | |
| PGC 33244 | Leo | Galaxy SB(s)c: |
| Apr 19 2007 31" | 17mmT4 CF,PS,EON,NND,R=F | |
| PGC 33273 | Leo | Galaxy |
| Apr 19 2007 31" | 17mmT4 CF,PS,OVAL,NND,R=F | |
| PGC 33277 | Dra | Galaxy Sab |
| Jul 13 2013 18" | 7mm TV VF,VS,OVAL,UB,NND,AV,R=P | |
| Feb 23 2006 31" | 17mmT4 FF,PS,EL,NND,R=F | |
| PGC 33278 | Leo | Galaxy Sab |
| Apr 19 2007 31" | 17mmT4 CF,PS,OVAL,NND,AV,R=F | |
| PGC 33282 | Leo | Galaxy L |
| Apr 19 2007 31" | 17mmT4 B,VS,OVAL,FNUC,R=F | |
| PGC 33396 | Leo | Galaxy Dwarf Spiral |
| Apr 19 2007 31" | 17mmT4 VF,PS,R,NND,AV,R=F | |
| PGC 33461 | Leo | Galaxy SAB(r)b: |
| Apr 19 2007 31" | 17mmT4 VF,PS,OVAL,NND,AV,R=F | |
| PGC 33798 | Leo | Galaxy E |
| Apr 19 2007 31" | 17mmT4 PF,PL,OVAL,UB,NND,R=F | |
| PGC 33816 | Leo | Galaxy |
| Apr 19 2007 31" | 17mmT4 CF,PS,R,NND,AV,R=F | |
| PGC 33843 | Leo | Galaxy |
| Apr 19 2007 31" | 17mmT4 VF,VS,EL,OVAL,NND,R=F | |
| PGC 34303 | UMa | Galaxy S0 |
| Feb 23 2006 31" | 17mmT4 PB,PL,R,BNUC,HISB,R=G | |
| PGC 34591 | Leo | Galaxy S0 pec |
| Apr 15 2007 31" | 17mmT4 VF,VS,R,NND,AV,R=F | |

Observations Listing by Catalog Number

| | | |
|------------------|----------------------------------|------------------------|
| PGC 34633 | Leo | Galaxy |
| Apr 15 2007 31" | 17mmT4 VF,VS,OVAL,NND,R=F | |
| PGC 34733 | UMa | Galaxy Sd |
| Feb 23 2006 31" | 17mmT4 FB,FL,EOB,FNUC,MSB,R=G | |
| PGC 34768 | UMa | Galaxy SB(s)ab |
| Feb 23 2006 31" | 17mmT4 FB,FL,R,FNUC,MSB,R=G | |
| PGC 34881 | Leo | Galaxy S0? |
| Apr 26 2008 31" | 17mmT4 PB,S,R,UB,NND,R=F | |
| PGC 34901 | Leo | Galaxy Star ?? |
| Apr 26 2008 31" | 17mmT4 VF,VS,R,NND,AV,R=F | |
| PGC 34907 | Leo | Galaxy S? |
| Apr 26 2008 31" | 17mmT4 B,VS,R,UB,R=F | |
| PGC 35103 | Leo | Galaxy S |
| Apr 13 2005 31" | 11mmT6 MF,MS,EL,OVAL,NND,AV,R=F | |
| PGC 35179 | Leo | Galaxy S |
| Apr 26 2008 31" | 17mmT4 VF,VS,EL,OVAL,NND,R=F | |
| PGC 35183 | Leo | Galaxy SB? |
| Apr 26 2008 31" | 17mmT4 VF,VS,EL,,OVAL,NND,R=F | |
| PGC 35355 | Leo | Galaxy S? |
| Apr 26 2008 31" | 17mmT4 PF,S,OVAL,UB,NND,R=F | |
| PGC 35360 | Leo | Galaxy S0? |
| Apr 26 2008 31" | 17mmT4 PF,VS,EL,OVAL,UB,FNUC,R=G | |
| PGC 35381 | Leo | Galaxy S |
| Apr 26 2008 31" | 17mmT4 VF,VS,R,NND, | |
| PGC 35514 | Leo | Galaxy |
| May 14 2010 31" | 17mmT4 VF,CS,OVAL,NND,R=F | |
| PGC 35588 | Leo | Galaxy S0? |
| May 14 2010 31" | 17mmT4 PB,CS,R,BNUC,HSB,R=G | |
| PGC 35589 | Leo | Galaxy S |
| May 14 2010 31" | 17mmT4 PF,PS,OVAL,NND,R=F | |
| PGC 35609 | UMa | Galaxy SB0 pec: |
| Feb 23 2006 31" | 17mmT4 FF,PS,OVAL,NND,R=F | |

Observations Listing by Catalog Number

| | | |
|------------------|--|-----------------------------|
| PGC 35615 | UMa | Galaxy SA(s)0/a pec: |
| Feb 23 2006 31" | 17mmT4 PB,FS,R,NND,R=G | |
| PGC 35618 | UMa | Galaxy (R')S0/a pec: |
| Feb 23 2006 31" | 17mmT4 PB,FS,OVAL,FNUC,MSB,R=G | |
| PGC 35620 | UMa | Galaxy Sa pec sp |
| Feb 23 2006 31" | 17mmT4 PB,FS,OVA,FNUC,MSB,R=G | |
| PGC 35631 | UMa | Galaxy S? |
| Feb 23 2006 31" | 17mmT4 PF,PL,EON,NND,R=F | |
| PGC 35977 | Leo | Galaxy S? |
| Sep 01 2008 31" | 17mmT4 CF,VS,OVAL,NND,R=F | |
| PGC 35991 | Leo | Galaxy Sd |
| May 25 2014 18" | 8mm Ds VF,FS,EON,UB,NND,AV1,R=P,PA=130 | |
| PGC 36189 | Leo | Galaxy S |
| May 14 2010 31" | 17mmT4 VF,VS,EON,UB,,NND,AV,R=F | |
| PGC 36325 | Vir | Galaxy Pec |
| May 18 2007 31" | 17mmT4 VF,S,R,NND,R=F | |
| PGC 36343 | UMa | Galaxy Scd: |
| May 30 2014 18" | 8mm Ds VF,PS,EON,UB,NND,R=F,PA=90 | |
| PGC 36431 | Leo | Galaxy Sb |
| May 25 2014 18" | 8mm Ds VF,VS,EON,UB,NND,AV2,R=F,PA=60 | |
| PGC 36550 | Leo | Galaxy S |
| May 07 2007 31" | 17mmT4 PF,CS,R,UB,NND,R=F | |
| PGC 36565 | Leo | Galaxy |
| May 07 2007 31" | 17mmT4 CF,CS,R,UB,NND,R=F | |
| PGC 36566 | Leo | Galaxy |
| May 07 2007 31" | 17mmT4 CF,CS,R,UB,NND,R=F | |
| PGC 36575 | Leo | Galaxy |
| May 07 2007 31" | 17mmT4 PF,PS,RL,OVAL,NND,R=F | |
| PGC 36586 | Leo | Galaxy |
| May 07 2007 31" | 17mmT4 DIFF,PF,PS,EL,OVAL,NND,R=F | |
| PGC 36589 | Leo | Galaxy S? |
| May 07 2007 31" | 17mmT4 PF,PS,OVAL,UB,NND,R=F | |

Observations Listing by Catalog Number

| | | | |
|------------------|------------|------------------------|-----------------------------|
| PGC 36619 | Leo | | Galaxy E |
| May 07 2007 31" | 17mmT4 | PF,PL,OVAL,UB,NND,R=F | |
| PGC 36622 | Leo | | Galaxy |
| May 07 2007 31" | 17mmT4 | VF,PS,R,NND,R=F | |
| PGC 36723 | Vir | | Galaxy SAB(rs)b? pec |
| May 18 2007 31" | 17mmT4 | PF,PS,OVAL,NND,R=P | |
| PGC 36733 | Vir | | Galaxy SB(s)b: pec |
| May 18 2007 31" | 17mmT4 | PB,PS,EL,OVAL,NND,R=F | |
| PGC 36742 | Vir | | Galaxy SB(s)c pec |
| May 18 2007 31" | 17mmT4 | VF,VS,OVAL,NND,AV,R=F | |
| PGC 36759 | Leo | | Galaxy S? |
| Apr 18 2012 18" | 8.8 ES | VF,VS,OVAL,NND,AV2,R=F | |
| PGC 37018 | Leo | | Galaxy S R |
| May 07 2007 31" | 17mmT4 | VF,PS,R,NND,AV,R=F | |
| PGC 37039 | Leo | | Galaxy |
| May 07 2007 31" | 17mmT4 | PF,VS,OVAL,UB,NND,R=F | |
| PGC 37040 | Leo | | Galaxy S |
| May 07 2007 31" | 17mmT4 | CF,CS,OVAL,UB,NND,R=F | |
| PGC 37096 | Leo | | Galaxy E |
| May 07 2007 31" | 17mmT4 | CF,PS,OVAL,NND,R=F | |
| PGC 37175 | Leo | | Galaxy S? |
| May 07 2007 31" | 17mmT4 | PF,PS,R,UB,NND,R=F | |
| PGC 37192 | Leo | | Galaxy S |
| May 07 2007 31" | 17mmT4 | PF,PS,EL,OVAL,NND,R=F | |
| PGC 38354 | Crv | | Galaxy E? |
| Apr 07 2008 31" | 17mmT4 | B,VS,OVAL,UB,NND,R=F | |
| PGC 40602 | Vir | | Galaxy S? |
| Mar 30 2014 18" | 7mm TV | VF,VS,R,UB,NND,R=F | |
| PGC 41410 | Vir | | Galaxy SAB(s)c: |
| May 14 2007 31" | 17mmT4 | CF,CS,EL,OVAL,NND,R=F | |
| PGC 41666 | Vir | | Galaxy |
| May 14 2007 31" | 17mmT4 | PF,CS,EON,UB,NND,R=F | |

Observations Listing by Catalog Number

| | | |
|------------------|------------------------------------|-------------------------|
| PGC 41726 | Vir | Galaxy E |
| May 14 2007 31" | 17mmT4 PF,PS,EON,UB,NND,R=F | |
| PGC 43728 | Vir | Galaxy Sab |
| May 18 2007 31" | 17mmT4 PB,PS,EL,OVAL,FNUC,MSB,R=G | |
| PGC 43762 | Vir | Galaxy |
| May 18 2007 31" | 17mmT4 VF,VS,R,NND,AV,R=F | |
| PGC 43944 | Vir | Galaxy S |
| May 18 2007 31" | 17mmT4 DIFF,CF,PL,EON,UB,NND,R=F | |
| PGC 44105 | Com | Galaxy |
| May 18 2009 31" | 17mmT4 PB,PS,OVAL,BNUC,MHISB,R=G | |
| PGC 44109 | Com | Galaxy C |
| May 18 2009 31" | 17mmT4 CF,CS,OVAL,NND,AV,R=F | |
| PGC 44137 | Com | Galaxy |
| May 18 2009 31" | 17mmT4 PF,PS,R,NND,R=F | |
| PGC 44159 | Com | Galaxy |
| May 18 2009 31" | 17mmT4 VF,VS,R,UB,NND,R=F | |
| PGC 44358 | Vir | Galaxy Sd: sp |
| May 30 2014 18" | 8mm Ds PF,PS,EON,UB,NND,R=F,PA=100 | |
| PGC 44391 | Com | Galaxy SBb |
| May 30 2014 18" | 8mm Ds PF,PS,EONL,UB,NND,R=F,PA=35 | |
| PGC 45084 | Vir | Galaxy IB(s)m sp |
| May 30 2014 18" | 8mm Ds PF,PS,EON,UB,NND,R=F,PA=110 | |
| PGC 45710 | Com | Galaxy S? |
| May 12 2005 31" | 19mmW MB,MS,EL,EON,NND,R=F | |
| PGC 49480 | CVn | Galaxy SBb |
| May 12 2005 31" | 19mmW VF,ML,OVAL,NND,R=F | |
| PGC 49542 | CVn | Galaxy Sdm: |
| May 12 2005 31" | 19mmW VB,VS,EL,EON,BNUC,R=G | |
| PGC 50693 | Boo | Galaxy S0/a |
| May 22 2006 31" | 19mmW PB,CS,EON,FNUC,R=F | |
| PGC 50828 | Boo | Galaxy S |
| Jun 03 2005 31" | 11mmT6 VF,MS,OVAL,NND,AV,R=F | |

Observations Listing by Catalog Number

| | | |
|------------------|--|----------------------|
| PGC 51372 | Boo | Galaxy SAcd |
| May 22 2006 31" | 19mmW PB,PL,OVAL,FNUC,R=G | |
| PGC 51389 | Vir | Galaxy C |
| Apr 28 2006 31" | 19mmW VF,VS,R,NND,R=F | |
| PGC 51400 | Vir | Galaxy SB(s)d |
| Apr 28 2006 31" | 19mmW CF,CS,OVAL,NND,R=F | |
| PGC 51417 | Boo | Galaxy S0 |
| May 22 2006 31" | 19mmW PB,CS,OVAL,FNUC,R=F | |
| PGC 51443 | Boo | Galaxy L |
| Jun 05 2011 31" | 17mmT4 CF,CS,R,UB,NND,R=F | |
| PGC 51447 | Boo | Galaxy L |
| Jun 05 2011 31" | 17mmT4 VF,CS,OVAL,MEXT,UB,NND,R=F | |
| PGC 51464 | Boo | Galaxy S |
| Jun 05 2011 31" | 17mmT4 F,PS,EEXT,UB,FNUC,R=G,PA=40 | |
| PGC 51470 | Boo | Galaxy SBa |
| Jun 05 2011 31" | 17mmT4 F,CS,OVAL,VEXT,UB,NND,R=F,PA=170 | |
| PGC 51477 | Boo | Galaxy Sc |
| Jun 05 2011 31" | 17mmT4 VF,CS,OVAL,VEXT,UB,NND,R=F,PA=60 | |
| PGC 51503 | Boo | Galaxy Sd |
| May 22 2006 31" | 19mmW F,PL,EON,NND,R=F | |
| PGC 51622 | Vir | Galaxy Sbc |
| Apr 28 2006 31" | 19mmW F,S,R,NND,R=F CLASS O1503 | |
| PGC 51692 | Boo | Galaxy SBab |
| Jun 05 2011 31" | 17mmT4 VF,CS,OVAL,UB,NND,R=G | |
| PGC 51792 | Boo | Galaxy S |
| Jun 05 2011 31" | 17mmT4 CF,VS,OVAL,UB,NND,R=F,PAIRED W/PGC51800 | |
| PGC 51800 | Boo | Galaxy Sa |
| Jun 05 2011 31" | 17mmT4 VF,VS,OVAL,UB,NND,R=F,PAIRED WPGC51792 | |
| PGC 51872 | Boo | Galaxy Sc |
| Jun 05 2011 31" | 17mmT4 F,VS,OVAL,UB,NND,AV,R=F | |
| PGC 51881 | Boo | Galaxy L |
| Jun 05 2011 31" | 17mmT4 F,S,R,UB,NND,R=F | |

Observations Listing by Catalog Number

| | | |
|------------------|---|--------------------------|
| PGC 51909 | Vir | Galaxy Sc |
| Apr 29 2006 31" | 19mmW VF,VS,EON,NND,AV,R=F | |
| PGC 51928 | Boo | Galaxy S |
| Jun 05 2011 31" | 17mmT4 CF,CS,OVAL,VEXT,UB,NND,R=F | |
| PGC 52027 | Boo | Galaxy SBb |
| Jun 05 2011 31" | 17mmT4 DIFF,VF,CS,R,UB,NND,R=F | |
| PGC 52160 | Boo | Galaxy S0 |
| Jun 05 2011 31" | 17mmT4 PF,CS,EON,FNUC,R=F | |
| PGC 52183 | Boo | Galaxy S0/a |
| Jun 05 2011 31" | 17mmT4 PF,CS,R,BNUC,R=G | |
| PGC 52199 | Vir | Galaxy S0 |
| Apr 29 2006 31" | 19mmW F,VS,R,NND,R=F | |
| PGC 52301 | Boo | Galaxy SBR |
| Jun 05 2011 31" | 17mmT4 VF,VS,R,UB,NND,AV,R=P | |
| PGC 52358 | Boo | Galaxy |
| Jun 05 2011 31" | 17mmT4 VF,ES,OVAL,UB,NND,R=F | |
| PGC 52373 | Boo | Galaxy Sc |
| Jun 05 2011 31" | 17mmT4 VF,VS,R,UB,NND,AV,R=P | |
| PGC 52612 | Lib | Galaxy SB(s)d |
| May 28 2006 31" | 19mmW VF,CS,OVAL,NND,AV,R=F | |
| PGC 52816 | Lib | Galaxy (R')SB(r)a |
| Jul 06 2010 12" | 7.5mmW VF,S,R,UB,NND,R=F | |
| PGC 54559 | Ser | Galaxy |
| Jun 22 2012 18" | 8.8 ES VF,VS,R,,NND,AV-4,R=P, HOAG'S OBJECT, NO RING OBSERVED | |
| PGC 56398 | Her | Galaxy S0 |
| May 21 2009 16" | 11mmT6 CF,CS,R,UB,NND,R=F | |
| PGC 56544 | Her | Galaxy S0-: |
| May 21 2009 16" | 11mmT6 CF,PS,EL,OVAL,NND,R=F | |
| PGC 56685 | Her | Galaxy SAB0- |
| Jul 16 2007 31" | 17mmT4 PF,PS,OVAL,NND,R=F | |
| PGC 58867 | Her | Galaxy Sc |
| Jul 16 2009 16" | 17mmT4 PF,PS,OVAL,UB,NND,R=F | |

Observations Listing by Catalog Number

| | | |
|------------------|--|-----------------------|
| PGC 58895 | Her | Galaxy |
| Jul 16 2009 16" | 17mmT4 PB,CS,R,BNUC,R=G | |
| PGC 58960 | Dra | Galaxy Sb |
| May 23 2012 18" | 8.8 ES CF,CS,EON,UB,NND,AV2,R=F,PA=95 | |
| PGC 59061 | Her | Galaxy Sa |
| Jul 16 2009 16" | 17mmT4 CF,PS,R,UB,NND,R=F | |
| PGC 59062 | Her | Galaxy S0 pec: |
| Jul 16 2009 16" | 17mmT4 VF,CS,OVAL,NND,AV,R=F | |
| PGC 59102 | Her | Galaxy Sb |
| Jul 16 2009 16" | 17mmT4 CF,PS,R,NND,R=F | |
| PGC 60346 | Oph | Galaxy SB(rs)c |
| Jul 31 2011 12" | 5mm TV F,CS,MR,UB,NND,AV2,R=P | |
| Jul 03 2005 8" | 11mmT6 MB,MS,R,FNUC,R=G | |
| PGC 61214 | Oph | Galaxy Sd: |
| Jul 31 2011 12" | 5mm TV VF,CS,OVAL,MEXT,UB,NND,AV1,R=F | |
| PGC 61300 | Oph | Galaxy Scd: |
| Jul 31 2011 12" | 5mm TV F,CS,EON,UB,NND,R=F | |
| PGC 61919 | Lyr | Galaxy S |
| Aug 16 2009 31" | 17mmT4 VF,VS,OVAL,UB,AV,R=F | |
| PGC 61939 | Lyr | Galaxy |
| Aug 16 2009 31" | 17mmT4 VF,VS,R,NND,R=F | |
| PGC 61966 | Lyr | Galaxy SBa |
| Aug 16 2009 31" | 17mmT4 PF,CS,OVAL,UB,NND,R=F | |
| PGC 61991 | Lyr | Galaxy S? |
| Aug 16 2009 31" | 17mmT4 PB,PS,R,BNUC,HISB,R=G | |
| PGC 62043 | Lyr | Galaxy S0 |
| Aug 24 2012 18" | 5mm TV VF,VS,OVAL,EEXT,UB,NND,R=F, AKA/UGC-11278 | |
| PGC 62080 | Lyr | Galaxy SB |
| Aug 16 2009 31" | 17mmT4 PF,PS,OVAL,FNUC,R=F | |
| PGC 62104 | Lyr | Galaxy Sd: |
| Aug 16 2009 31" | 17mmT4 PF,PS,EON,UB,NND,R=F | |
| PGC 62522 | Lyr | Galaxy S |
| Aug 13 2007 31" | 31mmT5 VF,VS,EON,NND,AV,R=F | |

Observations Listing by Catalog Number

| | | |
|------------------|------------|--|
| PGC 62556 | Lyr | Galaxy |
| Sep 01 2011 31" | 17mmT4 | VF,VS,OVAL,UB,NND,AV3,R=P |
| PGC 62559 | Lyr | Galaxy S |
| Sep 01 2011 31" | 17mmT4 | F,CS,R,UB,NND,R=F,DV |
| PGC 62560 | Lyr | Galaxy |
| Sep 01 2011 31" | 17mmT4 | VF,ES,OVAL,UB,NND,AV2,R=F |
| PGC 62595 | Lyr | Galaxy Sab |
| Sep 01 2011 31" | 17mmT4 | PF,PS,OVAL,MEXT,UB,NND,R=F |
| PGC 62606 | Lyr | Galaxy |
| Sep 01 2011 31" | 17mmT4 | VF,VS,R,UB,NND,AV2,R=P |
| PGC 62613 | Lyr | Galaxy E? |
| Sep 01 2011 31" | 17mmT4 | CF,CS,OVAL,UB,NND,R=F,DV |
| PGC 62664 | Lyr | Galaxy |
| Sep 01 2011 31" | 17mmT4 | CF,VS,OVAL,NND,R=P, PAIRED W/PGC-62665 |
| PGC 62665 | Lyr | Galaxy S |
| Sep 01 2011 31" | 17mmT4 | CF,VS,R,UB,NND,R=F, PAIRED W/PGC-62664 |
| PGC 62702 | Lyr | Galaxy Scd: |
| Sep 01 2011 31" | 17mmT4 | DIFF,CF,PS,OVAL,MEXT,UB,NND,AV,R=F |
| PGC 63101 | Lyr | Galaxy SA(s)c |
| Aug 16 2009 31" | 17mmT4 | CF,CS,R,UB,NND,R=F |
| PGC 63211 | Cyg | Galaxy S |
| Aug 13 2010 31" | 17mmT4 | CF,VS,R,UB,NND,R=F |
| PGC 63311 | Cyg | Galaxy Sb |
| Jul 25 2011 12" | 7mm TV | VF,VS,OVAL,UB,NNS,R=F,AV1 |
| PGC 63440 | Cyg | Galaxy S0-: |
| Jul 25 2011 12" | 7mm TV | VF,VS,OVAL,UB,NND,R=P,AV1 |
| PGC 63529 | Cyg | Galaxy SAB(s)0- |
| Jul 21 2004 8" | 25mmPL | SHORT NIGHT - CLOUDS ROLLED IN. |
| PGC 63552 | Cyg | Galaxy S? |
| Jul 25 2011 12" | 7mm TV | VF,VS,OVAL,UB,NND,R=P |
| PGC 63766 | Cyg | Galaxy SAB(s)bc |
| Jul 25 2011 12" | 7mm TV | VF,CS,OVAL,NND,R=P |

Observations Listing by Catalog Number

| | | |
|------------------|-----------------------------------|-------------------------------|
| PGC 63912 | Aql | Galaxy SAB(rs)c |
| Aug 13 2010 31" | 17mmT4 CF,PS,R,UB,NND,AV,R=P | |
| PGC 64016 | Aql | Galaxy Sb: |
| Aug 13 2010 31" | 17mmT4 VF,CS,OVAL,PEXT,NND,AV,R=F | |
| PGC 64548 | Cap | Galaxy SA(rs)cd |
| Aug 24 2005 8" | 7.5mmW VF,VS,R,NND,R=F | |
| PGC 64553 | Aql | Galaxy SB(s)d: |
| Aug 31 2008 31" | 17mmT4 VF,VS,OVAL,NND,AV,R=P | |
| PGC 64672 | Cap | Galaxy Sc |
| Sep 28 2008 31" | 17mmT4 CF,ES,R,NND,AV,R=F | |
| PGC 64812 | Aql | Galaxy Sb |
| Aug 31 2008 31" | 17mmT4 VF,VS,R,NND,AV,R=P | |
| PGC 64854 | Aql | Galaxy |
| Aug 31 2008 31" | 17mmT4 VF,VS,R,NND,R=F | |
| PGC 64864 | Aql | Galaxy SB(rs)0/a: |
| Aug 31 2008 31" | 17mmT4 CF,CS,OVAL,NND,R=F | |
| PGC 64880 | Aql | Galaxy E |
| Aug 31 2008 31" | 17mmT4 VF,VS,R,NND,R=F | |
| PGC 64907 | Cap | Galaxy IBm pec |
| Sep 28 2008 31" | 17mmT4 EF,VS,OVAL,NND,AV,R=F | |
| PGC 64910 | Aql | Galaxy (R')SAB(rs)bc p |
| Aug 31 2008 31" | 17mmT4 CF,S,OVAL,NND,R=P | |
| PGC 64976 | Del | Galaxy |
| Aug 31 2008 31" | 17mmT4 EF,ES,R,NND,AV,R=P | |
| PGC 64995 | Del | Galaxy E |
| Aug 31 2008 31" | 17mmT4 VF,VS,R,NND,AV,R=F | |
| PGC 64999 | Del | Galaxy Sc |
| Aug 31 2008 31" | 17mmT4 VF,VS,EON,NND,AV,R=F | |
| PGC 65060 | Del | Galaxy Sb |
| Aug 31 2008 31" | 17mmT4 PF,CS,OVAL,UB,NND,R=F | |
| PGC 65099 | Del | Galaxy S0 |
| Aug 31 2008 31" | 17mmT4 CF,S,OVAL,NND,R=F | |

Observations Listing by Catalog Number

| | | | |
|------------------|------------|------------------------------|-----------------------------|
| PGC 65138 | Del | | Galaxy E |
| Aug 31 2008 31" | 17mmT4 | PF,VS,OVAL,UB,NND,R=F | |
| PGC 65281 | Del | | Galaxy S? |
| Sep 25 2006 31" | 19mmW | PF,PS,OVAL,NND,AV,R=F | |
| PGC 65293 | Del | | Galaxy SB(r)a |
| Sep 25 2006 31" | 19mmW | PF,PS,OVAL,NND,AV,R=F | |
| PGC 65308 | Aqr | | Galaxy L |
| Sep 27 2005 31" | 17mmT4 | VB,ML,OVAL,FNUC,MSB,R=G | |
| PGC 65331 | Aqr | | Galaxy SBbc |
| Sep 27 2005 31" | 17mmT4 | VF,VS,R,NND,AV,R=F | |
| PGC 65391 | Aqr | | Galaxy Scd |
| Sep 27 2005 31" | 17mmT4 | VF,VS,OVAL,NND,R=F | |
| PGC 65444 | Aqr | | Galaxy SBab |
| Sep 13 2007 31" | 17mmT4 | PF,PS,EON,UB,NND,R=F | |
| PGC 65482 | Del | | Galaxy |
| Sep 25 2006 31" | 19mmW | PF,S,R,NND,R=F | |
| PGC 65555 | Cap | | Galaxy Scd? sp |
| Sep 28 2008 31" | 17mmT4 | VF,S,OVAL,NND,R=F | |
| PGC 65923 | Cap | | Galaxy SB(rs)0+ pec: |
| Sep 27 2005 31" | 17mmT4 | MB,ML,OVAL,FNUC,MSB,R=F | |
| PGC 65927 | Aqr | | Galaxy |
| Nov 02 2010 31" | 17mmT4 | VF,VS,OVAL,UB,NND,R=F,AV3 | |
| PGC 65971 | Del | | Galaxy |
| Sep 25 2006 31" | 19mmW | VF,VS,OVAL,NND,R=F | |
| PGC 66125 | Del | | Galaxy S R |
| Sep 25 2006 31" | 19mmW | VF,PS,R,NND,AV,R=F | |
| PGC 66139 | Del | | Galaxy |
| Sep 25 2006 31" | 19mmW | PF,PS,OVAL,NND,R=F | |
| PGC 66170 | Del | | Galaxy E |
| Sep 25 2006 31" | 19mmW | PB,FL,R,FNUC,R=G | |
| PGC 66176 | Del | | Galaxy S? |
| Sep 25 2006 31" | 19mmW | PB,FL,EL,OVAL,FNUC,MHISB,R=G | |

Observations Listing by Catalog Number

| | | |
|------------------|----------------------------------|-----------------------------|
| PGC 66178 | Del | Galaxy Scd: |
| Sep 25 2006 31" | 19mmW VF,S,EON,NND,AV,R=F | |
| PGC 66242 | Aqr | Galaxy SB(rs)bc: |
| Sep 27 2005 31" | 17mmT4 VF,VL,OVAL,PATCH,NND,R=F | |
| PGC 66265 | Aqr | Galaxy |
| Sep 27 2005 31" | 17mmT4 VS,VF,R,NND,R=F | |
| PGC 66279 | Aqr | Galaxy E |
| Sep 27 2005 31" | 17mmT4 MF,ML,R,NND,R=F | |
| PGC 66538 | Vul | Galaxy |
| Sep 01 2011 31" | 17mmT4 PF,CS,R,BNUC,R=G | |
| PGC 66590 | Aqr | Galaxy SBcd: |
| Oct 05 2005 31" | 17mmT4 VF,ML,EL,NND,R=F | |
| PGC 66904 | Aqr | Galaxy SAB(s)bc pec? |
| Sep 13 2007 31" | 17mmT4 CF,PL,R,NND,AV,R=F | |
| PGC 66940 | Aqr | Galaxy S |
| Oct 05 2005 31" | 17mmT4 PF,PS,R,NND,AV,R=F | |
| PGC 66966 | Peg | Galaxy E |
| Sep 25 2006 31" | 19mmW PF,VS,OVAL,NND,R=F | |
| PGC 67049 | Cyg | Galaxy SAB0^ |
| Jul 25 2011 12" | 7mm TV VF,VS,OVAL,UB,NND,R=F | |
| Jul 19 2011 12" | 7mm TV VF,VS,OVAL,UB,NND,R=P | |
| PGC 67153 | Peg | Galaxy S? |
| Sep 25 2006 31" | 19mmW VF,VS,EON,NND,AV,R=F | |
| PGC 67246 | Cyg | Galaxy SB? |
| Jul 25 2011 12" | 7mm TV VF,VS,OVAL,UB,NND,R=P,AV4 | |
| PGC 67282 | Aqr | Galaxy Scd: sp |
| Sep 13 2007 31" | 17mmT4 VF,PS,EON,NND,AV,R=F | |
| PGC 67741 | Peg | Galaxy C |
| Sep 25 2006 31" | 19mmW VF,VS,OVAL,NND,AV,R=F | |
| PGC 67762 | Peg | Galaxy |
| Sep 25 2006 31" | 19mmW VF,VS,R,NND,AV,R=F | |
| PGC 67897 | Peg | Galaxy SB? |
| Sep 01 2011 31" | 17mmT4 CF,CS,R,UB,NND,R=F | |

Observations Listing by Catalog Number

| | | |
|------------------|-----------------------------------|---------------------|
| PGC 68011 | Peg | Galaxy S |
| Oct 23 2008 31" | 17mmT4 VF,S,EON,NND,R=F | |
| PGC 68079 | Lac | Galaxy SBd: |
| Aug 24 2012 18" | 5mm TV VF,VS,OVAL,UB,NND,AV,R=F | |
| PGC 68110 | Lac | Galaxy SABbc |
| Aug 24 2012 18" | 5mm TV VF,PS,OVAL,MEXT,UB,NND,R=F | |
| PGC 68171 | Lac | Galaxy Sb |
| Aug 24 2012 18" | 5mm TV VF,VS,R,UB,NND,R=F | |
| PGC 68229 | Aqr | Galaxy S |
| Sep 13 2007 31" | 17mmT4 PF,PS,R,NND,AV,R=F | |
| PGC 68240 | Aqr | Galaxy |
| Sep 13 2007 31" | 17mmT4 PF,PS,R,NND,R=F | |
| PGC 68259 | Peg | Galaxy Sa |
| Oct 23 2008 31" | 17mmT4 F,S,R,NND,R=F | |
| PGC 68325 | Peg | Galaxy |
| Oct 23 2008 31" | 17mmT4 VF,VS,R,NND,AV,R=P | |
| PGC 68327 | Peg | Galaxy SBcd? |
| Oct 23 2008 31" | 17mmT4 VF,CS,EON,NND,AV,R=P | |
| PGC 68331 | Peg | Galaxy |
| Oct 23 2008 31" | 17mmT4 F,VS,OVAL,NND,AV,R=F | |
| PGC 68341 | Peg | Galaxy Sab |
| Oct 23 2008 31" | 17mmT4 F,S,OVAL,UB,NND,R=F | |
| PGC 68343 | Peg | Galaxy S |
| Oct 23 2008 31" | 17mmT4 VF,S,R,NND,AV,R=P | |
| PGC 68348 | Peg | Galaxy Sc |
| Oct 23 2008 31" | 17mmT4 VF,VS,OVAL,NND,AV,R=P | |
| PGC 68356 | Peg | Galaxy |
| Oct 23 2008 31" | 17mmT4 F,VS,R,UB,NND,R=F | |
| PGC 68368 | Peg | Galaxy C |
| Oct 23 2008 31" | 17mmT4 F,CS,R,NND,R=F | |
| PGC 68393 | Peg | Galaxy |
| Oct 23 2008 31" | 17mmT4 VF,VS,OVAL,NND,AV,R=F | |

Observations Listing by Catalog Number

| | | |
|------------------|--|------------------------|
| PGC 68482 | Lac | Galaxy SAB(s)bc |
| Aug 24 2012 18" | 5mm TV PF,PS,EON,NND,AV1,R=P,12 MAG STAR EAST EDGE | |
| Sep 11 2007 31" | 17mmT4 B,FL,EON,UB,NND,MSB,R=G | |
| PGC 68543 | Peg | Galaxy SA(s)c |
| Oct 23 2008 31" | 17mmT4 VF,S,R,NND,AV,R=F | |
| PGC 68617 | Peg | Galaxy Sbc |
| Oct 30 2005 31" | 17mmT4 MB,ML,EON,FNUC,R=F | |
| PGC 68623 | Lac | Galaxy Sa |
| Sep 11 2007 31" | 17mmT4 PF,PS,OVAL,UB,NND,R=F | |
| PGC 68664 | Peg | Galaxy SBc |
| Sep 25 2006 31" | 19mmW VF,CS,OVAL,NND,AV,R=F | |
| PGC 68675 | Lac | Galaxy S? |
| Sep 11 2007 31" | 17mmT4 VF,PS,OVAL,NND,AV,R=F | |
| PGC 68706 | Lac | Galaxy |
| Sep 11 2007 31" | 17mmT4 VF,PS,NND,R=F | |
| PGC 68713 | Lac | Galaxy Sb |
| Sep 11 2007 31" | 17mmT4 PF,PS,OVAL,UB,NND,R=F | |
| PGC 68715 | Lac | Galaxy S |
| Sep 11 2007 31" | 17mmT4 PF,PS,EON,UB,R=F | |
| PGC 68952 | Peg | Galaxy C |
| Sep 01 2011 31" | 17mmT4 CF,CS,R,UB,NND,R=F | |
| Oct 23 2008 31" | 17mmT4 CF,CS,R,UB,NND,R=F | |
| PGC 69025 | Peg | Galaxy S |
| Sep 01 2011 31" | 17mmT4 CF,VS,R,UB,NND,AV3,R=P | |
| PGC 69095 | Peg | Galaxy SBb |
| Oct 23 2008 31" | 17mmT4 F,S,OVAL,UB,NND,R=F | |
| PGC 69148 | Peg | Galaxy S |
| Oct 23 2008 31" | 17mmT4 F,S,OVAL,UB,NND,R=F | |
| PGC 69220 | Peg | Galaxy Sd: |
| Oct 23 2008 31" | 17mmT4 VF,VS,OVAL,NND,AV,R=F | |
| PGC 69245 | Peg | Galaxy |
| Sep 14 2012 36" | 17mmT4 VF,VS,R,UB,NND,AV3,R=F,ABUTS NGC-7315 | |
| PGC 69281 | Peg | Galaxy Sb |
| Oct 23 2008 31" | 17mmT4 CF,CS,EL,OVAL,UB,NND,R=F | |

Observations Listing by Catalog Number

| | | |
|------------------|--|---------------------|
| PGC 69305 | Peg | Galaxy S0 |
| Oct 23 2008 31" | 17mmT4 F,S,OVAL,NND,R=F | |
| PGC 69351 | Peg | Galaxy S |
| Oct 23 2008 31" | 17mmT4 VF,S,OVAL,NND,AV,R=F | |
| PGC 69360 | Peg | Galaxy S0 |
| Oct 23 2008 31" | 17mmT4 F,S,OVAL,,NND,R=F | |
| PGC 69387 | Peg | Galaxy E |
| Oct 23 2008 31" | 17mmT4 F,S,OVAL,UB,NND,R=F | |
| PGC 69402 | Peg | Galaxy SB?b |
| Oct 23 2008 31" | 17mmT4 VF,S,OVAL,NND,AV,R=F | |
| PGC 69434 | Peg | Galaxy S? |
| Oct 23 2008 31" | 17mmT4 F,S,R,UB,NND,R=F | |
| PGC 69457 | Peg | Galaxy Sab |
| Sep 11 2007 31" | 12mmT4 PF,PS,OVAL,UB,NND,R=F,HINT OF HALO? | |
| PGC 69486 | Peg | Galaxy SB0/a |
| Oct 23 2008 31" | 17mmT4 F,CS,OVAL,UB,NND,R=F | |
| PGC 69493 | Peg | Galaxy S0 |
| Oct 23 2008 31" | 17mmT4 CF,CS,R,UB,NND,R=F | |
| PGC 69524 | Peg | Galaxy S |
| Oct 23 2008 31" | 17mmT4 CF,CS,EON,NND,AV,R=F | |
| PGC 69559 | Peg | Galaxy Sb |
| Nov 02 2010 31" | 17mmT4 PF,PS,OVAL,UB,NND,R=F | |
| PGC 69675 | Peg | Galaxy |
| Nov 03 2013 36" | 17mmT4 PF,PS,OVAL,FNUC,R=F,PAIRED W/NGC-7374 | |
| PGC 69858 | Peg | Galaxy S0? |
| Aug 25 2011 12" | 5mm TV VF,VS,R,UB,NND,AV,R=P | |
| PGC 69955 | Peg | Galaxy |
| Nov 03 2013 36" | 17mmT4 VF,VS,R,NND,R=F | |
| PGC 69984 | Peg | Galaxy S |
| Nov 03 2013 36" | 17mmT4 PF,PS,OVAL,UB,NND,R=F,PAIRED W/NGC-7415 | |
| PGC 69986 | Peg | Galaxy |
| Nov 02 2010 31" | 17mmT4 CF,ES,R,UB,NND,R=F | |

Observations Listing by Catalog Number

| | | |
|------------------|--|--------------------|
| PGC 70001 | Peg | Galaxy |
| Nov 02 2010 31" | 17mmT4 PF,ES,R,UB,NND,R=F,STAR AT NNW EDGE | |
| PGC 70019 | Peg | Galaxy |
| Nov 02 2010 31" | 17mmT4 PF,ES,R,FNUC,R=F | |
| PGC 70022 | Peg | Galaxy |
| Nov 02 2010 31" | 17mmT4 CF,ES,R,UB,NND,R=F | |
| PGC 70023 | Peg | Galaxy Sb |
| Nov 02 2010 31" | 17mmT4 PF,ES,R,UB,NND,R=P,STAR AT SW EDGE | |
| PGC 70054 | Peg | Galaxy Sc |
| Nov 02 2010 31" | 17mmT4 CF,VS,R,UB,NND,R=F | |
| PGC 70055 | Peg | Galaxy |
| Nov 02 2010 31" | 17mmT4 PF,ES,R,UB,NND,R=F | |
| PGC 70063 | Peg | Galaxy SB? |
| Nov 02 2010 31" | 17mmT4 CF,VS,OVAL,PEXT,UB,NND,R=F,STAR AT SSE EDGE | |
| PGC 70064 | Peg | Galaxy Sa |
| Nov 02 2010 31" | 17mmT4 PF,PS,EON,FNUC,MSB,R=G,FAINT BULGE DETECTED | |
| PGC 70111 | Peg | Galaxy C |
| Nov 03 2013 36" | 17mmT4 VF,VS,OVAL,UB,NND,R=F | |
| PGC 70115 | Peg | Galaxy |
| Nov 03 2013 36" | 17mmT4 VF,VS,OVAL,UB,NND,R=F | |
| PGC 70136 | Peg | Galaxy S |
| Nov 03 2013 36" | 17mmT4 PF,PS,OVAL,UB,NND,R=F | |
| PGC 70162 | Peg | Galaxy S |
| Nov 03 2013 36" | 17mmT4 VF,PS,R,UB,NND,AV1,R=F | |
| PGC 70174 | Peg | Galaxy S |
| Oct 15 2006 31" | 19mmW VF,VS,OVAL,NND,AV,R=F | |
| PGC 70175 | Peg | Galaxy Sdm: |
| Nov 03 2013 36" | 17mmT4 VF,CS,EON,UB,NND,R=F,PA=30 | |
| PGC 70180 | Peg | Galaxy |
| Nov 03 2013 36" | 17mmT4 PF,PS,R,UB,NND,R=F | |
| PGC 70190 | Peg | Galaxy |
| Nov 02 2010 31" | 17mmT4 PF,VS,R,FNUC,R=G | |

Observations Listing by Catalog Number

| | | |
|------------------|--------------------------------------|----------------------|
| PGC 70200 | Peg | Galaxy |
| Nov 02 2010 31" | 17mmT4 CF,CS,OVAL,UB,R=F | |
| PGC 70210 | Peg | Galaxy |
| Nov 02 2010 31" | 17mmT4 PF,VS,R,FNUC,,R=F | |
| PGC 70211 | Peg | Galaxy SB |
| Oct 15 2006 31" | 19mmW CF,CS,R,NND,AV,R=F | |
| PGC 70228 | Peg | Galaxy Sc |
| Nov 02 2010 31" | 17mmT4 VF,CS,OVAL,PET,UB,NND,R=F,AV2 | |
| PGC 70247 | Peg | Galaxy Sc |
| Nov 03 2013 36" | 17mmT4 CF,PS,OVAL,UB,NND,R=F | |
| PGC 70254 | Peg | Galaxy S0/a |
| Oct 15 2006 31" | 19mmW PF,PS,EON,NND,R=F | |
| PGC 70269 | Peg | Galaxy |
| Oct 15 2006 31" | 19mmW PF,PS,R,NND,R=F | |
| PGC 70275 | Peg | Galaxy S? |
| Oct 15 2006 31" | 19mmW PF,PS,EL,OVAL,NND,R=F | |
| PGC 70307 | Peg | Galaxy Sb-c |
| Nov 02 2010 31" | 17mmT4 VF,VS,EON,NND,R=F,AV4 | |
| PGC 70326 | Peg | Galaxy S0/a |
| Oct 15 2006 31" | 19mmW VF,VS,OVAL,NND,R=F | |
| PGC 70374 | Peg | Galaxy SB0 |
| Oct 15 2006 31" | 19mmW VF,CS,OVAL,NND,R=F | |
| PGC 70403 | Peg | Galaxy S |
| Oct 15 2006 31" | 19mmW VF,VS,OVAL,NND,R=F | |
| PGC 70404 | Peg | Galaxy S |
| Oct 15 2006 31" | 19mmW VF,PS,OVAL,NND,AV,R=F | |
| PGC 70445 | Peg | Galaxy S? |
| Oct 15 2006 31" | 19mmW VF,PS,OVAL,NND,AV,R=F | |
| PGC 70463 | Peg | Galaxy Sb-c |
| Oct 15 2006 31" | 19mmW CF,CS,EON,NND,R=F | |
| PGC 70537 | Peg | Galaxy SBb/Sb |
| Oct 15 2006 31" | 19mmW VF,PS,OVAL,NND,AV,R=F | |

Observations Listing by Catalog Number

| | | |
|------------------|--|-----------------------|
| PGC 70598 | And | Galaxy Compact |
| Nov 03 2013 36" | 17mmT4 VF,VS,OVAL,UB,NND,AV2,R=F | |
| PGC 70842 | Peg | Galaxy E? |
| Oct 30 2008 31" | 17mmT4 MF,MS,R,NND,R=F | |
| PGC 71054 | Peg | Galaxy S |
| Nov 03 2013 36" | 17mmT4 PF,PS,OVAL,UB,NND,R=F | |
| PGC 71080 | Peg | Galaxy S? |
| Nov 03 2013 36" | 17mmT4 PF,PS,OVAL,UB,NND,R=F | |
| PGC 71085 | Peg | Galaxy Dwarf? |
| Nov 03 2013 36" | 17mmT4 VF,VS,OVAL,PEXT,UB,NND,AV2,R=F | |
| PGC 71092 | Peg | Galaxy S0 |
| Nov 02 2010 31" | 17mmT4 PF,CS,OVAL,FNUC,R=G,PA=170, 8TH MAG STAR AT WEST EDGE | |
| PGC 71094 | Peg | Galaxy Sc-Irr |
| Nov 02 2010 31" | 17mmT4 VF,VS,OVAL,UB,NND,R=F,AV4 | |
| PGC 71101 | Peg | Galaxy |
| Nov 02 2010 31" | 17mmT4 PF,CS,OVAL,FNUC,R=F | |
| PGC 71119 | Peg | Galaxy S? |
| Nov 02 2010 31" | 17mmT4 CF,VS,OVAL,UB,NND,R=F | |
| PGC 71120 | Psc | Galaxy Sm: |
| Nov 03 2013 36" | 17mmT4 VF,CS,R,UB,NND,AV3,R=P | |
| PGC 71156 | Peg | Galaxy |
| Nov 02 2010 31" | 17mmT4 CF,ES,R,UB,NND,R=F | |
| PGC 71299 | Peg | Galaxy |
| Oct 25 2006 31" | 17mmT4 CF,CS,OVAL,NND,R=F | |
| PGC 71315 | Peg | Galaxy |
| Oct 25 2006 31" | 17mmT4 CF,CS,R,NND,AV,R=F | |
| PGC 71317 | Peg | Galaxy |
| Oct 25 2006 31" | 17mmT4 VF,VS,OVAL,NND,R=F | |
| PGC 71319 | Peg | Galaxy |
| Oct 25 2006 31" | 17mmT4 F,CS,OVAL,NND,R=F | |
| PGC 71320 | Peg | Galaxy |
| Oct 25 2006 31" | 17mmT4 VF,CS,OVAL,NND,AV,R=F | |

Observations Listing by Catalog Number

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|------------------|---------------------------------|--------------------|
| PGC 71322 | Peg | Galaxy |
| Oct 25 2006 31" | 17mmT4 EF,ES,R,NND,AV,R=F | |
| PGC 71323 | Peg | Galaxy Sc |
| Oct 25 2006 31" | 17mmT4 PF,PS,OVAL,NND,R=F | |
| PGC 71324 | Peg | Galaxy |
| Oct 25 2006 31" | 17mmT4 CF,PS,OVAL,FNUC,R=F | |
| PGC 71326 | Peg | Galaxy |
| Oct 25 2006 31" | 17mmT4 VF,PS,R,NND,AV,R=F | |
| PGC 71327 | Peg | Galaxy E |
| Oct 25 2006 31" | 17mmT4 EF,ES,R,AV,R=F | |
| PGC 71330 | Peg | Galaxy |
| Oct 25 2006 31" | 17mmT4 VF,CS,OVAL,NND,AV,R=F | |
| PGC 71331 | Peg | Galaxy |
| Oct 25 2006 31" | 17mmT4 VF,PS,R,NND,R=F | |
| PGC 71332 | Peg | Galaxy |
| Oct 25 2006 31" | 17mmT4 PF,CS,OVAL,NND,R=F | |
| PGC 71337 | Peg | Galaxy |
| Oct 25 2006 31" | 17mmT4 VF,PS,R,NND,R=F | |
| PGC 71342 | Peg | Galaxy |
| Oct 25 2006 31" | 17mmT4 CF,PS,R,NND,R=F | |
| PGC 71355 | Peg | Galaxy SB? |
| Oct 25 2006 31" | 17mmT4 CF,L,OVAL,PATCHY,NND,R=F | |
| PGC 71359 | Peg | Galaxy SBab |
| Oct 25 2006 31" | 17mmT4 PF,L,OVALNND,R=F | |
| PGC 71368 | And | Galaxy Sdm |
| Aug 24 2012 18" | 5mm TV VF,PS,R,UB,NND,AV2,R=F | |
| PGC 71371 | Peg | Galaxy L |
| Oct 25 2006 31" | 17mmT4 PF,PS,OVAL,NND,R=F | |
| PGC 71374 | Peg | Galaxy |
| Oct 25 2006 31" | 17mmT4 PF,PS,OVAL,NND,R=F | |
| PGC 71386 | Peg | Galaxy S0/a |
| Oct 25 2006 31" | 17mmT4 PB,PS,EON,FNUC,MHISB,R=G | |

Observations Listing by Catalog Number

| | | |
|--------------------|--|------------------------------|
| PGC 71398 | Peg | Galaxy |
| Oct 25 2006 31" | 17mmT4 PF,L,R,NND,R=F | |
| PGC 71752 | Psc | Galaxy SB(s)d |
| Sep 19 2014 18" | 8mm Ds VF,S,OVAL,EEXT,UB,NND,AVII,R=P, WRO - 9/19/14 | |
| PGC 72179 | Peg | Galaxy S? |
| Nov 03 2013 36" | 17mmT4 PF,PS,OVAL,UB,NND,R=F | |
| PGC 72341 | Peg | Galaxy C |
| Nov 03 2013 36" | 17mmT4 PF,VS,OVAL,UB,NND,R=F | |
| PGC 72346 | Peg | Galaxy Sd |
| Nov 03 2013 36" | 17mmT4 VF,VS,R,UB,NND,R=F | |
| PK 21-0.1 | Sct | Planetary Neb 2+3 |
| Aug 13 2007 31" | 31mmT5 PF,VS,R=F, CENTRAL STAR NOT VISIBLE | |
| PK 64+5.1 | Cyg | Planetary Neb 4 |
| Aug 24 2005 8" | 7.5mmW VF,VS,R,AV,R=F | |
| PK 158+17.1 | FIX | Planetary Neb 3 |
| Feb 20 2006 31" | 17mmT4 DIFF,VS,R=F, OIII FILTER | |
| PK 318+41.1 | Vir | Planetary Neb 3b+3a |
| Jun 07 2010 12" | 9mm CF,PL,PATCHY, NO CENTRAL STAR DETECTED,R=P | |
| STOCK 2 | Cas | Open Cluster I 2 m |
| Dec 05 2015 12" | 17mmT4 | |
| Oct 13 2006 1.9" | 12x50 B,PL,R=F | |
| Dec 31 2003 8" | 25mmPL H/M COLD | |
| STOCK 23 | Cam | Open Cluster II 3 P N |
| Nov 26 2006 1.9" | 12x50 B,PL,LOOSE,R=F | |
| Nov 09 2006 8" | 19mmW 6+ BRIGHT, OTHERS DIM, PS,R=F | |
| TER 2 | Sco | Globular |
| Oct 29 2006 8" | 19mmW PF,PS,LOOSE,R=F | |
| TER 3 | Sco | Globular |
| Nov 26 2006 1.9" | 12x50 B,PL,LOOSE,RESOLVESTARS,R=G | |
| Nov 09 2006 8" | 19mmW 12+,FAINT,R=F | |
| TER 8 | Sgr | Globular |
| Jul 31 2005 8" | 11mmT6 VF,VS,R,LOWSB,R=F | |
| TER 9 | Sgr | Globular |
| Aug 06 2010 28" | 26mm PF,PS,SMUDGE, NO STARS RESOLVED | |

Observations Listing by Catalog Number

| UGC 12914 | Peg | Galaxy |
|------------------|------------|---|
| Sep 09 2010 12" | 5.5mmN | PF,PS,OVAL,PEXT,UB,NND,R=F,PA=30,PAIRED W/UGC 12915 |

| UGC 12915 | Peg | Galaxy |
|------------------|------------|--|
| Sep 09 2010 12" | 5.5mmN | CF,CS,OVAL,MET,UB,NND,R=F,PA=20,PAIRED W/UGC 12914 |

| WINN 4 | UMa | M40 | Unknown STAR |
|------------------|------------|------------------------------------|---------------------|
| Mar 16 2012 18" | 17mmAT | 2012 M.M. | |
| Mar 01 2011 12" | 17mmAT | M.M. 2011 - MANUAL SETTING CIRCLES | |
| Mar 08 2010 12" | 11mmT6 | M.M. 2010 MANUAL SETTING CIRCLES | |
| Mar 20 2009 16" | 26mm | MESSIER MARATHON - 2009 | |
| Aug 20 2006 1.9" | 12x50 | 2-STARS | |
| Mar 19 2006 8" | 19mmW | R=F | |
| Mar 19 2004 8" | 25mmPL | 2004 MESSIER MARATHON - ARGO NAVIS | |
| Dec 30 2003 8" | 25mmPL | H/M COLD | |