

Caldwell Observation

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|-------------|-----------------|------------------|--|-----------------------------|
| 1 | 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 | |
| 2 | NGC 40 | Cep H58-4 | Planetary Neb 3b+3 | F,VS,R,VSMBM,*12SP |
| Oct 05 2016 | 12" | 11mmT6 | B,VS,R=G. OIII HELPS. NOT SURE ABOUT CENTRAL STAR | |
| Nov 11 2009 | 12" | 7.5mmW | B,PS,R=G, CENTRAL STAR VISIBLE | |
| Oct 06 2004 | 8" | 7.5mmW | MB,R,R=G | |
| 3 | NGC 4236 | Dra H51-5 | Galaxy SB(s)dm | VF,EL,ME160,VGBM |
| Sep 01 2005 | 8" | 7.5mmW | MF,ML,NND,LSB,R=F | |
| 4 | 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 | |
| 5 | IC 342 | Cam | Galaxy SAB(rs)cd | |
| Oct 12 2012 | 18" | 7mm TV | DIFF,F,L,R,UB,NND,R=G | |
| 6 | 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 | |
| 7 | NGC 2403 | Cam H44-5 | Galaxy Sc | CB,EL,VME,VGMBMN |
| Nov 26 2006 | 1.9" | 12x50 | PF,PS,OVAL,AV,R=F | |
| Oct 06 2004 | 8" | 11mmT6 | MB,EL,OVAL,NND,R=G | |
| 8 | 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 | |
| 10 | NGC 663 | Cas H31-6 | Open Cluster 9.0 II 3 r | CL,B,L,ERI,ST PL |
| Oct 09 2018 | 12" | 8mm Et | B,L,R=G | |
| 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 | |
| 11 | 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 | |
| 12 | 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 | |
| 13 | NGC 457 | Cas H42-7 | Open Cluster 8.6 II 3 r | CL,B,L,PRI,*7,8,10 |

Caldwell Observation

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|-------------|-----------------|------------------|---|---------------------------|
| 13 | NGC 457 | Cas H42-7 | Open Cluster 8.6 II 3 r | CL,B,L,PRI,*7,8,10 |
| Sep 24 2016 | 12" | 11mmT6 | B,L,R=G. OWL CLUSTER | |
| Dec 05 2015 | 12" | 17mmT4 | E.T. CLUSTER. AKA OWL CLUSTER | |
| Oct 21 2012 | 8" | 11mmT6 | F,S,STARS=50-60,R=G | |
| Nov 26 2006 | 1.9" | 12x50 | F,L,DIM,PATCHY,R=F | |
| Nov 09 2006 | 8" | 19mmW | 30+,CROSS SHAPED,R=F | |
| Jul 23 2006 | 8" | 7.5mmW | CB,PL,R=G,EXTENDED GROUP | |
| Dec 31 2003 | 8" | 25mmPL | H/M COLD | |
| 14A | NGC 869 | Per H33-6 | Open Cluster 6.6 I 3 r | CL,VVL,VRI,*7...14 |
| Oct 09 2018 | 12" | 35mm A | BEST CLUSTER OF THE NIGHT, DOUBLE CLUSTER | |
| Jan 25 2018 | 12" | 35mm A | NICE OBJECT | |
| 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 | |
| 14B | NGC 884 | Per H34-6 | Open Cluster 6.4 I 3 r | CL,VL,VRI,RUBY*M |
| Oct 09 2018 | 12" | 35mm A | BEST CLUSTER OF THE NIGHT. DOUBLE CLUSTER | |
| Jan 25 2018 | 12" | 35mm A | NICE OBJECT | |
| 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 | |
| 15 | 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 | |
| 16 | NGC 7243 | Lac H75-8 | Open Cluster 8.0 II 2 m | CL,L,P,LC,ST VL |

Caldwell Observation

| | | | | |
|-------------|-----------------|-------------------|---|-----------------------------|
| 16 | 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. | |
| 17 | NGC 147 | Cas | Galaxy E5 pec | VF,VL,IR,GSMBM*11 |
| Aug 21 2004 | 8" | 11mmT6 | CLEAR SKIES - H.H. LITE. 1ST REAL TEST | |
| 18 | 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 | |
| 19 | 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 | |
| 20 | 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" | 32mmUWB,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 | |
| 21 | NGC 4449 | CVn H213-1 | Galaxy IBm | VB,CL,ME,DORBIFID,*F |
| Mar 13 2007 | 8" | 11mmT6 | PB,PL,OVAL,FNUC,MHISB,R=G | |
| Apr 16 2004 | 8" | 25mmPL | CLEAR - MEGASTAR CONTROL | |
| 22 | NGC 7662 | And H18-4 | Planetary Neb 4+3 | PLN ORRING,VB,PS,R |
| Oct 09 2018 | 12" | 8mm Et | PB,S,R=G | |
| 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! | |
| 23 | NGC 891 | And H19-5 | Galaxy SA(s)b? sp | B,VL,VME22 |
| Oct 12 2012 | 18" | 17mmT4 | DARK DUST LANE BISECTING GALAXY. JOHN'S 20" OBSESSION | |
| 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 | |
| 24 | 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 | |
| 25 | NGC 2419 | Lyn H218-1 | Globular | PB,PL,LE90,VGBM,*4'F |

Caldwell Observation

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|-------------|-----------------|-------------------|--|-----------------------------|
| 25 | NGC 2419 | Lyn H218-1 | Globular | PB,PL,LE90,VGBM,*4'F |
| Dec 04 2004 | 8" | 7.5mmW | OVAL,R=G | |
| 26 | NGC 4244 | CVn H41-5 | Galaxy SA(s)cd: sp | PB,VL,EE43,VGBM |
| May 04 2005 | 8" | 19mmW | MB,ML,EL,EON,FNUC,R=G | |
| 27 | NGC 6888 | Cyg H72-4 | Nebula E | F,VL,VME,**ATT |
| Oct 12 2012 | 18" | 17mmT4 | FINE OBJECT IN JOHN'S 20" OBSESSION, OIII FILTER | |
| Oct 12 2012 | 36" | 17mmT4 | FINE NEBULA IN CYGNUS, OUTSTANDING OBJECT, OIII FILTER | |
| Jul 24 2006 | 8" | 25mmPL | PF,PL,PATCHEY,R=F | |
| 28 | NGC 752 | And H32-7 | Open Cluster 8.0 II 2 r | CL,VVL,RI,*L\$SC |
| Nov 26 2006 | 1.9" | 12x50 | B,L,LOOSE,RESOLVE 4-5 STARS,R=F | |
| Oct 29 2006 | 8" | 19mmW | 50+STARS,R,R=G | |
| Oct 06 2004 | 8" | 7.5mmW | EB,R,UB,R=G | |
| 29 | NGC 5005 | CVn H96-1 | Galaxy SAB(rs)bc | VB,VL,VME66,VSBMN |
| Apr 06 2010 | 12" | 11mmT6 | PB,PS,EON,BNUC,R=G | |
| Apr 26 2006 | 8" | 11mmT6 | PB,PL,EON,BNUC,R=G | |
| Apr 16 2004 | 8" | 25mmPL | CLEAR - MEGASTAR CONTROL | |
| 30 | 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 APERTURE OR DARK ENOUGH SKIES. | |
| Oct 07 2010 | 12" | 17mmAT | F,PS,EON,BNUC,HSB,R=G,PA=10 | |
| Sep 13 2009 | 12" | 32mmUW3RD | OBJECT | |
| Jul 23 2006 | 8" | 11mmT6 | PB,PL,EON,FNUC,R=G | |
| Jul 16 2004 | 8" | 25mmPL | 9.5 PHOTO MAG. BRIGHT | |
| Jul 16 2004 | 31" | 20mmUW9.5 | PHOTO MAG. BRIGHTER YET. | |
| 31 | IC 405 | Aur | Nebula E | |
| Dec 07 2005 | 8" | 11mmT6 | DARK DUSTLANE LOW SURFACE BRIGHTNESS | |
| 32 | NGC 4631 | CVn H42-5 | Galaxy SB(s)d sp | VB,VL,EE70,BMN,*ATTN |
| May 04 2005 | 8" | 19mmW | MB,ML,EL,EON,FNUC,R=G | |
| 33 | 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" | 32mmUWB,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 | |
| 34 | 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" | 32mmUWB,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 | |

Caldwell Observation

| | | | | |
|-------------|-----------------|-------------------|---|-----------------------------|
| 36 | 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 | |
| 37 | NGC 6885 | Vul H20-8 | Open Cluster 5.9 III 2 m | CL,VB,VL,RI,LC,*6.11 |
| Jul 23 2006 | 8" | 11mmT6 | PB,PS,R=F | |
| 38 | NGC 4565 | Com H24-5 | Galaxy SA(s)b? sp | B,EL,EE135,VSBMN=*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 | |
| 39 | NGC 2392 | Gem H45-4 | Planetary Neb 3b+3b | B,S,R,*9M,*8NF100" |
| May 22 2015 | 12" | 8mm Ds | NO FILTER NEEDED CENTRAL STAR VISIBLE | |
| Dec 04 2004 | 8" | 7.5mmW | VB,R,HISB,R=E!!! | |
| Nov 06 2004 | 8" | 11mmT6 | NOT A BAD PLANETARY | |
| 40 | 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 | |
| 41 | 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 | |
| 42 | NGC 7006 | Del H52-1 | Globular | B,PL,R,GBM |
| Oct 21 2006 | 31" | 20mmUWFB,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 | |
| 43 | NGC 7814 | Peg H240-2 | Galaxy SA(s)ab: sp | CB,CL,E,VGBM |
| Oct 09 2018 | 12" | 8mm Et | F,S,OVAL,MEXTY,R=F | |
| 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 | |
| 44 | 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 | |
| 45 | 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 | |
| 46 | NGC 2261 | Mon H2-4 | Nebula E+R | B,VME330,N COM=*11 |
| Mar 28 2011 | 12" | 11mmT6 | VF,VS,R=F,OIII | |
| 47 | NGC 6934 | Del H103-1 | Globular | GCL,B,L,R,RRR,*16... |

Caldwell Observation

| | | | | |
|-------------|-----------------|-------------------|--|-----------------------------|
| 47 | 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 | |
| 48 | NGC 2775 | Cnc H2-1 | Galaxy SA(r)ab | CB,CL,R,VGVSBM,R |
| Mar 15 2005 | 8" | 11mmT6 | MB,ML,OVAL,PATCH,NND,R=G | |
| 49 | NGC 2237 | Mon | Nebula E | PB,VVL,DIF,(2238) |
| Feb 10 2005 | 8" | 11mmT6 | VB,VL,R=G | |
| Mar 13 2004 | 8" | 25mmPL | COMPUTER = ARGO NAVIS | |
| 50 | NGC 2244 | Mon H2-7 | Open Cluster 7.0 II 3 r n | CL,BEAUTIFUL,STSC |
| Mar 08 2007 | 1.9" | 12x50 | PB,S,VFAINT NEBULOSITY,R=F | |
| Feb 10 2005 | 8" | 11mmT6 | VB,VL,R=G | |
| Mar 13 2004 | 8" | 25mmPL | COMPUTER = ARGO NAVIS | |
| 52 | 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 | |
| 53 | NGC 3115 | Sex H163-1 | Galaxy S0- sp | VB,L,VME46,VGSMBMEN |
| Mar 15 2005 | 8" | 11mmT6 | VB,ML,EL,EON, FNUC,MSB,R=G | |
| 54 | NGC 2506 | Mon H37-6 | Open Cluster 11.0 I 2 r | CL,PL,VRI,C,*11...20 |
| Mar 29 2006 | 8" | 19mmW | PF,PS,R=F, NICE GROUP | |
| 55 | NGC 7009 | Aqr H1-4 | Planetary Neb 4+6 | PLN,VB,S,ELLIPTIC |
| Oct 09 2018 | 12" | 8mm Et | B,S,R=G. NO FILTER. CAN EASILY SEE APPENDEGES | |
| 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 | 8" | 25mmPL | SMALL IN 8_DOBSON | |
| Jul 08 2004 | 31" | 17mmT4 | GREAT IN THE BIG ONE! | |
| 56 | 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 | |
| 57 | 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 | |
| 58 | NGC 2360 | CMa H12-7 | Open Cluster 10.4 I 3 r | CL,VL,RI,PC,ST9...12 |
| Mar 13 2007 | 8" | 19mmW | F,S,R=F,RESOLVE 7+ STARS | |
| Dec 18 2006 | 1.9" | 12x50 | F,S,R=F,UNCOMPRESSED GROUP | |
| Mar 13 2004 | 8" | 25mmPL | COMPUTER = ARGO NAVIS | |
| 59 | NGC 3242 | Hya H27-4 | Planetary Neb 4+3b | PLN,VB,LE147,45"D |

Caldwell Observation

| | | | | |
|---------------|-----------------|--------------------|--|-----------------------------|
| 59 | 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 | |
| 60 | 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 | |
| 61 | 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 | |
| 62 | NGC 247 | Cet H20-5 | Galaxy SAB(s)d | F,EL,VME172 |
| Nov 21 2006 | 8" | 19mmW | F,L,EON,NND,R=F | |
| 63 | NGC 7293 | Aqr | Planetary Neb 4+3 | PF,VL,E OR BIN |
| Oct 09 2018 | 12" | 8mm Et | F,L,R=G. LP2 | |
| 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. | |
| 64 | NGC 2362 | CMa H17-7 | Open Cluster 8.0 I 3 r | CL,PL,RI,30CMA |
| Feb 10 2005 | 8" | 11mmT6 | VB,ML,R,R=G | |
| 65 | 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 | |
| 66 | NGC 5694 | Hya H196-2 | Globular | CB,CS,R,PSBM,R,*9SP |
| Apr 13 2005 | 8" | 7.5mmW | VS,VF,R,R=F | |
| 67 | NGC 1097 | For H48-5 | Galaxy SB(s)b | VB,L,VME151,VBMN |
| Nov 21 2006 | 8" | 11mmT6 | F,L,OVAL,FNUC,R=F | |
| 69 | 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 | |
| 75 | NGC 6124 | Sco | Open Cluster 9.0 I 3 r | CL,B,L,PRI,LCM,*9.11 |
| Jun 23 2004 | 8" | 25mmPL | QUARTER MOON, LEFT @1:30AM. | |
| 77 | NGC 5128 | Cen | Galaxy S0 pec | VB,VL,VME122,BIFID |
| Mar 21 2009 | 31" | 17mmT4 | DIFF,VL,VF,NND,LSB,R=F | |
| <i>Total:</i> | <i>68</i> | | | |