

## Orion - The Hunter

|            |                  |     |                  |   |
|------------|------------------|-----|------------------|---|
| <b>B</b>   | <b>33</b>        |     | <b>Nebula Ir</b> |   |
|            | 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>IC</b>  | <b>420</b>       |     |                  | <b>Nebula R</b>   |
|            | Feb 20 2006      | 31" | 31mmT5           | F,VS,R=F. OIII  |
| <b>IC</b>  | <b>424</b>       |     |                  | <b>Nebula R</b>   |
|            | Feb 20 2006      | 31" | 31mmT5           | VF,VS,R=F, OIII   |
| <b>IC</b>  | <b>426</b>       |     |                  | <b>Nebula R</b>   |
|            | Feb 20 2006      | 31" | 31mmT5           | MB.ML,R=F, OIII   |
| <b>IC</b>  | <b>431</b>       |     |                  | <b>Nebula R</b>   |
|            | Jan 24 2009      | 31" | 17mmT4           | PF,PS, HINT OF NEBULOSITY,R=F   |
|            | Nov 21 2006      | 8"  | 11mmT6           | PF,S,R=F  |
| <b>IC</b>  | <b>432</b>       |     |                  | <b>Nebula R</b>   |
|            | Jan 24 2009      | 31" | 17mmT4           | PF,PS, HINT OF NEBULOSITY,R=F   |
|            | Nov 21 2006      | 8"  | 11mmT6           | F,L,R=F   |
| <b>IC</b>  | <b>434</b>       |     |                  | <b>Nebula E</b>   |
|            | Nov 21 2006      | 8"  | 11mmT6           | PF,VL,R=F   |
| <b>IC</b>  | <b>435</b>       |     |                  | <b>Nebula R</b>   |
|            | Jan 24 2009      | 31" | 17mmT4           | PF,PS, HINT OF NEBULOSITY,R=F   |
| <b>J</b>   | <b>320</b>       |     |                  | <b>Planetary Neb 2+4</b>  |
|            | Dec 28 2008      | 31" | 17mmT4           | F,VS,OVAL,R=F, NO CENTRAL STAR  |
|            | Dec 15 2004      | 8"  | 7.5mmW           | VF,R=F  |
| <b>MAC</b> | <b>0447-0208</b> |     |                  | <b>Galaxy</b>   |
|            | Feb 03 2005      | 31" | 11mmT6           | MF,MS,EL,FNUC,R=F   |
| <b>MAC</b> | <b>0448-0134</b> |     |                  | <b>Galaxy</b>   |
|            | Feb 03 2005      | 31" | 11mmT6           | MF,VS,OVAL,FNUC,R=G   |
|            | Feb 03 2005      | 31" | 11mmT6           | MF,VS,OVAL,FNUC,R=G   |
| <b>MCG</b> | <b>+1-14-37</b>  |     |                  | <b>Galaxy</b>   |
|            | Sep 23 2004      | 8"  | 7.5mmW           | B,OVAL,FNUC,R=G   |
| <b>NGC</b> | <b>1661</b>      |     |                  | <b>Galaxy SA(s)bc pec:</b>  |
|            | Feb 03 2005      | 31" | 11mmT6           | VF,MS,EL,OVAL,PATCH,NND,R=F   |
|            |                  |     |                  | <b>VF,VS,BM</b>   |

## Orion - The Hunter

|                                     |        |  |  |                             |
|-------------------------------------|--------|--|--|-----------------------------|
| <b>NGC 1662</b><br>Nov 04 2007 1.9" | 12x50  | <b>H1-7</b><br>B,S,STARS 12+,R=F                     | <b>Open Cluster 9.0 II 3 m</b>                   | <b>CL OF L\$S SC ST</b>     |
| <b>NGC 1663</b><br>Apr 09 2008 8"   | 11mmT6 | <b>H7-8</b><br>PF,PS,R=F                             | <b>Open Cluster IV 2 p c</b>                     | <b>CL,LRI,ST L\$S</b>       |
| <b>NGC 1682</b><br>Dec 04 2004 8"   | 11mmT6 | <b>H527-2</b><br>VF,R,NND,AV,R=F                     | <b>Galaxy E/S0</b>                               | <b>VF,VS,1684F12S,*9S4'</b> |
| <b>NGC 1683</b><br>Feb 03 2005 31"  | 11mmT6 |  | <b>Galaxy Sa</b><br>DIFF,MB,MS,EL,OVAL,NND,R=G   | <b>VF,R</b>                 |
| <b>NGC 1684</b><br>Dec 15 2004 8"   | 11mmT6 | <b>H528-2</b><br>VF,OVAL,NND,AV,R=F                  | <b>Galaxy E+ pec:</b>                            | <b>PF,PS,R,BM,*9SF</b>      |
| Dec 04 2004 8"                      | 11mmT6 | VF,OVAL,NND,AV,R=G                                   |  |                             |
| Nov 06 2004 8"                      | 11mmT6 | VF,EL,OVAL,NND,AV,R=F                                |  |                             |
| <b>NGC 1691</b><br>Feb 03 2005 31"  | 11mmT6 |  | <b>Galaxy (R)SB(s)0/a:</b><br>VF,MS,OVAL,NND,R=F | <b>F,S,*11INV</b>           |
| <b>NGC 1729</b><br>Nov 21 2006 8"   | 11mmT6 | <b>H503-3</b><br>VF,VS,OVAL,NND,AV,R=F               | <b>Galaxy SA(s)c</b>                             | <b>VF,PL,2B*V NR</b>        |
| <b>NGC 1762</b><br>Apr 09 2008 8"   | 11mmT6 | <b>H453-3</b><br>PF,PS,OVAL,NND,USB,R=F              | <b>Galaxy SA(rs)c:</b>                           | <b>VF,VS</b>                |
| <b>NGC 1788</b><br>Nov 21 2006 8"   | 11mmT6 | <b>H32-5</b><br>F,S,S,R=F, BRIGHTER THAN SOME.       | <b>Nebula R</b>                                  | <b>B,CL,R,BM,***15,*1'F</b> |
| <b>NGC 1843</b><br>Nov 21 2006 8"   | 11mmT6 |  | <b>Galaxy SAB(s)cd:</b><br>VF,VS,OVAL,NND,AV,R=F | <b>F,S,R,LBM</b>            |
| <b>NGC 1924</b><br>Nov 21 2006 8"   | 11mmT6 | <b>H447-3</b><br>VF,VS,OVAL,NND,AV,R=F               | <b>Galaxy SB(r)bc</b>                            | <b>VF,PL,IR,ST NR</b>       |
| <b>NGC 1975</b><br>Nov 21 2006 8"   | 11mmT6 |  | <b>Nebula E</b><br>B,L,R=G, STARS GLOW           | <b>B**INV IN NEB</b>        |
| Feb 20 2006 31"                     | 31mmT5 | MB,ML,R=G, OIII                                      |  |                             |
| <b>NGC 1976</b><br>Mar 25 2020 12"  | 11mmT6 | <b>M42</b><br>CORVID-19 LOCKDOWN. DRIVEWAY OBSERVING | <b>Nebula EN+RN</b>                              | <b>THETAORI \$GREAT NEB</b> |
| Feb 21 2020 36"                     | 17mmT4 | OUTSTANDING. 6 STARS IN TRAPIZUM EASILY VISIBLE      |  |                             |
| 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                   |  |                             |

## Orion - The Hunter

| NGC        | 1976        | M42        | Nebula EN+RN | THETAORI \$GREAT NEB                    |                             |
|------------|-------------|------------|--------------|---|-----------------------------|
|            | Mar 08 2010 | 12"        | 26mm         | M.M. 2010 MANUAL SETTING CIRCLES        |                             |
|            | Dec 16 2009 | 12"        | 20mmUV       |   |                             |
|            | 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                                |                             |
| <b>NGC</b> | <b>1977</b> |            | <b>H30-5</b> | <b>Open Cluster</b>                     | <b>42ORIONIS\$NEB</b>       |
|            | Feb 20 2006 | 31"        | 31mmT5       | B,R=F, STARS LIGHT UP B.N., OIII        |                             |
| <b>NGC</b> | <b>1980</b> |            | <b>H31-5</b> | <b>Nebula III 3 m n</b>                 | <b>VF,VVL,44ORIONIS INV</b> |
|            | Mar 29 2006 | 8"         | 19mmW        | PB,L,R=F                                |                             |
| <b>NGC</b> | <b>1981</b> |            |              | <b>Open Cluster 10.0 III 3 p n</b>      | <b>CL,VB,LRI,ST L,SC</b>    |
|            | 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                   |                             |
| <b>NGC</b> | <b>1982</b> | <b>M43</b> | <b>H1-3</b>  | <b>Nebula E</b>                         | <b>VB,VL,RW/TAIL,MBM*8</b>  |
|            | Mar 25 2020 | 12"        | 11mmT6       | CORVID-19 LOCKDOWN. DRIVEWAY OBSERVING  |                             |
|            | Feb 21 2020 | 36"        | 17mmT4       | OUTSTANDING.                            |                             |
|            | 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"        | 20mmUV       |   |                             |
|            | 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                                |                             |
| <b>NGC</b> | <b>1990</b> |            | <b>H34-5</b> | <b>Nebula E+R</b>                       | <b>EL,E,EPSILONORI INV</b>  |
|            | Mar 28 2011 | 12"        | 17mmAT       | PF,PS,R=F,OIII FILTER, SOME NEBULOSITY? |                             |
| <b>NGC</b> | <b>1999</b> |            | <b>H33-4</b> | <b>Nebula E</b>                         | <b>*10,11INV IN NEB</b>     |
|            | Feb 20 2006 | 31"        | 31mmT5       | MB.ML,R=F, OIII                         |                             |

## Orion - The Hunter

|                  |            |                                    |                                   |                             |
|------------------|------------|------------------------------------|-----------------------------------|-----------------------------|
| <b>NGC 2022</b>  |            | <b>H34-4</b>                       | <b>Planetary Neb 4+2</b>          | <b>PLN,PB,VS,VLE</b>        |
| 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               |                                   |                             |
| <b>NGC 2023</b>  |            | <b>H24-4</b>                       | <b>Nebula R+E</b>                 | <b>B*IN M OF L,LE NEB</b>   |
| Jan 24 2009 31"  | 17mmT4     | PF,PS, HINT OF NEBULOSITY,R=F      |                                   |                             |
| Nov 21 2006 8"   | 11mmT6     | PF,S,R=F                           |                                   |                             |
| <b>NGC 2024</b>  |            | <b>H28-5</b>                       | <b>Nebula E</b>                   | <b>IRR,B,VVL,BLACKSPINC</b> |
| Nov 22 2006 8"   | 11mmT6     | B,L,R=G,STARSGLOW,IRREGULARSHAPE   |                                   |                             |
| <b>NGC 2045</b>  |            |                                    | <b>Non-Existent</b>               | <b>*8,9W/ F NEB</b>         |
| Mar 20 2007 8"   | 11mmT6     | SINGLE STAR,R=P                    |                                   |                             |
| <b>NGC 2068</b>  | <b>M78</b> |                                    | <b>Nebula R</b>                   | <b>B,L,WISP,GMBN,3*INV</b>  |
| 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"  | 20mmUV     |                                    |                                   |                             |
| 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                           |                                   |                             |
| <b>NGC 2071</b>  |            | <b>H36-4</b>                       | <b>Nebula R</b>                   | <b>D*10\$14 W/VF,L CHEV</b> |
| Nov 21 2006 8"   | 11mmT6     | PF,PS,R=F                          |                                   |                             |
| <b>NGC 2112</b>  |            | <b>H24-7</b>                       | <b>Open Cluster 10.0 II 2 m n</b> | <b>CL,PL,LRI,PC,ST S</b>    |
| Nov 21 2006 8"   | 11mmT6     | F,S,LOOSER,R=F                     |                                   |                             |
| <b>NGC 2141</b>  |            |                                    | <b>Open Cluster 15.0 I 2 r</b>    | <b>F,PS,DIF,</b>            |
| Nov 21 2006 8"   | 11mmT6     | F,S,LOOSER,R=F                     |                                   |                             |
| <b>NGC 2169</b>  |            | <b>H24-8</b>                       | <b>Open Cluster 6.9 III 3 m</b>   | <b>CL,S,LRI,PMC,**</b>      |
| 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                         |                                   |                             |
| <b>NGC 2186</b>  |            | <b>H25-7</b>                       | <b>Open Cluster 12.0 II 2 m</b>   | <b>CL,PL,PRI,PC,ST L\$S</b> |
| Mar 29 2006 8"   | 11mmT6     | F,S,R=F                            |                                   |                             |
| <b>NGC 2194</b>  |            | <b>H5-6</b>                        | <b>Open Cluster 13.0 II 2 r</b>   | <b>CL,L,RI,GVMCM</b>        |
| Mar 29 2006 8"   | 11mmT6     | F,S,R=F                            |                                   |                             |

## Orion - The Hunter

**PGC 16012** **Galaxy Sd**  
Feb 03 2005 31" 11mmT6 VF,MS,OVAL,NND,AV,R=F

**PGC 16017** **Galaxy Sa**  
Feb 03 2005 31" 11mmT6 MB,MS,EL,EON,FNUC,R=G