

# Globular Cluster Observations

|                   |                |                                     |                             |
|-------------------|----------------|-------------------------------------|-----------------------------|
| <b>BOL 119</b>    | <b>And</b>     | <b>Globular</b>                     | <b>NBo1 14</b>              |
| Aug 02 2005 8"    | 11mmT6         | MB,ML,OVAL,MSB,R=G                  |                             |
| <b>ESO 456-38</b> | <b>Sgr</b>     | <b>Globular</b>                     | <b>Djorgovski 2</b>         |
| Jul 13 2007 8"    | 7.5mmW         | PB,PS,RESOLVE OUTER STARS,R=G       |                             |
| Jul 09 2005 8"    | 11mmT6         | VF,VS,R=F                           |                             |
| <b>HP 1</b>       | <b>Oph</b>     | <b>Globular</b>                     |                             |
| Jul 13 2007 8"    | 7.5mmW         | VF,VS,R,PATCHY,R=F                  |                             |
| <b>IC 1257</b>    | <b>Oph</b>     | <b>Globular</b>                     |                             |
| Jul 03 2005 8"    | 11mmT6         | VF,VS,AV,R=F                        |                             |
| <b>IC 1276</b>    | <b>Ser</b>     | <b>Globular</b>                     | <b>PAL 7</b>                |
| Jul 09 2005 8"    | 11mmT6         | VF,ML,R=F                           |                             |
| <b>NGC 288</b>    | <b>Sci</b>     | <b>H20-6 Globular</b>               | <b>GCL,B,L,LE,*12...16</b>  |
| Oct 09 2007 8"    | 11mmT6         | PB,PL,SMUDGE, RESOLVED NO STARS,R=G |                             |
| <b>NGC 1904</b>   | <b>Lep M79</b> | <b>Globular</b>                     | <b>GCL,PL,ERI,EC,RRR</b>    |
| Mar 16 2012 18"   | 17mmAT         | 2012 M.M.                           | <b>M 79</b>                 |
| 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                            |                             |
| <b>NGC 2419</b>   | <b>Lyn</b>     | <b>H218-1 Globular</b>              | <b>PB,PL,LE90,VGBM,*4'F</b> |
| Dec 04 2004 8"    | 7.5mmW         | OVAL,R=G                            |                             |
| <b>NGC 4147</b>   | <b>Com</b>     | <b>H19-1 Globular</b>               | <b>GCL,VB,PL,R,GBM,RRR</b>  |
| Mar 29 2006 8"    | 11mmT6         | F,S,R,NND,R=F CLASS IX              |                             |
| Apr 13 2005 8"    | 7.5mmW         | R,MSB,R=G                           |                             |
| <b>NGC 4590</b>   | <b>Hya M68</b> | <b>Globular</b>                     | <b>GCL,L,ERI,VC,IR,ST12</b> |
| Mar 16 2012 18"   | 17mmAT         | 2012 M.M.                           | <b>M 68</b>                 |
| 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  |                             |
| <b>NGC 5024</b>   | <b>Com M53</b> | <b>Globular</b>                     | <b>GCL,B,VC,IR,VVMBM,</b>   |
| Mar 16 2012 18"   | 17mmAT         | 2012 M.M.                           | <b>M 53</b>                 |
| 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          | PB,PL,R=G,COMPRESSED                |                             |
| Mar 26 2006 8"    | 19mmW          | PB,L,HSB,R=G, DENSE                 |                             |

# Globular Cluster Observations

|                  |                |   |                 |                             |             |
|------------------|----------------|---|-----------------|-----------------------------|-------------|
| <b>NGC 5024</b>  | <b>Com M53</b> |   | <b>Globular</b> | <b>GCL,B,VC,IR,VVMBM,</b>   | <b>M 53</b> |
| Mar 19 2004 8"   | 25mmPL         | 2004 MESSIER MARATHON - ARGO NAVIS      |                 |                             |             |
| <b>NGC 5053</b>  | <b>Com</b>     | <b>H7-6</b>                             | <b>Globular</b> | <b>CL,VF,PL,IR,VGBM,*15</b> |             |
| Mar 10 2007 1.9" | 12x50          | PB,PL,R=G,COMPRESSED                    |                 |                             |             |
| May 12 2005 31"  | 19mmW          | FAINT,OVAL,R=F                          |                 |                             |             |
| <b>NGC 5272</b>  | <b>CVn M3</b>  |   | <b>Globular</b> | <b>GCL,EB,VL,VSMBM,*11.</b> | <b>M 3</b>  |
| 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                   |                 |                             |             |
| <b>NGC 5466</b>  | <b>Boo</b>     | <b>H9-6</b>                             | <b>Globular</b> | <b>CL,L,VRI,VMC,ST11...</b> |             |
| May 04 2005 8"   | 11mmT6         | VF,R,R=F                                |                 |                             |             |
| <b>NGC 5634</b>  | <b>Vir</b>     | <b>H70-1</b>                            | <b>Globular</b> | <b>GCL,VB,CL,R,GBM,RRR</b>  |             |
| Apr 28 2006 31"  | 19mmW          | PB,CL,R,R=G, CAN'T RESOLVE STARTS. VIII |                 |                             |             |
| Jun 23 2004 8"   | 25mmPL         | QUARTER MOON, LEFT @1:30AM.             |                 |                             |             |
| <b>NGC 5694</b>  | <b>Hya</b>     | <b>H196-2</b>                           | <b>Globular</b> | <b>CB,CS,R,PSBM,R,*9SP</b>  |             |
| Apr 13 2005 8"   | 7.5mmW         | VS,VF,R,R=F                             |                 |                             |             |
| <b>NGC 5897</b>  | <b>Lib</b>     | <b>H19-6</b>                            | <b>Globular</b> | <b>GCL,PF,L,VIR,VGBM,</b>   |             |
| 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                |                 |                             |             |
| <b>NGC 5904</b>  | <b>Ser M5</b>  |   | <b>Globular</b> | <b>GCL,VB,L,ECM,*11..15</b> | <b>M 5</b>  |
| 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      |                 |                             |             |
| <b>NGC 6093</b>  | <b>Sco M80</b> |   | <b>Globular</b> | <b>GCL,VB,L,VMBM(VAR*)</b>  | <b>M 80</b> |
| Mar 16 2012 18"  | 17mmAT         | 2012 M.M.                               |                 |                             |             |

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**NGC 6093**      **Sco M80**                      **Globular**    **GCL,VB,L,VMBM(VAR\*)**                      **M 80**

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 6121**      **Sco M4**                      **Globular**    **CL,8OR1OB\*LINE,RRR**                      **M 4**

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 6139**      **Sco**                      **Globular**    **B,PL,R,PSBM,RR**

Jul 03 2005 8"     11mmT6    VF,VS,R,R=F

**NGC 6144**      **Sco**                      **H10-6**    **Globular**    **CL,CL,MC,GBM,RRR**

Jun 05 2011 12"    17mmT4    NICE GLOB.

Jul 03 2005 8"     11mmT6    VF,VS,R,AV,R=F

**NGC 6171**      **Oph M107**    **H40-6**    **Globular**    **GCL,L,VRI,VMC,R,RRR**                      **M 107**

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 6205**      **Her M13**                      **Globular**    **GCL,EB,VRI,VGECM,\*11**                      **M 13 Great Cluster in Hercules**

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.

# Globular Cluster Observations

**NGC 6218**      **Oph M12**                      **Globular**    **GCL,VB,VL,IR,GMBM**                      **M 12**  
 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 6229**      **Her**                      **H50-4**    **Globular**    **GCL,VB,L,R,DISC,R**  
 Jun 19 2004 8"     25mmPL    GOOD NIGHT - MEGASTAR

**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 6254**      **Oph M10**                      **Globular**    **GCL,B,VL,R,GVMBM,RRR**                      **M 10**  
 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 6256**      **Sco**                      **Globular**    **GCL,VF,VL,IR,VGBM**  
 Aug 20 2006 8"     7.5mmW    VF,VS,AV,R=F

**NGC 6266**      **Oph M62**                      **Globular**    **GCL,VB,L,GMBM,RRR,**                      **M 62**  
 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 6273**      **Oph M19**                      **Globular**    **GCL,VB,L,R,VCM,RRR**                      **M 19**  
 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

**NGC 6284**      **Oph**                      **H11-6**    **Globular**    **GCL,B,L,R,CM,ST16...**

# Globular Cluster Observations

|                 |                |               |   |                             |             |
|-----------------|----------------|---------------|---|-----------------------------|-------------|
| <b>NGC 6284</b> | <b>Oph</b>     | <b>H11-6</b>  | <b>Globular</b>                                   | <b>GCL,B,L,R,CM,ST16...</b> |             |
| Jul 15 2006     | 8"             | 19mmW         | PF,PS,R=F   |                             |             |
| Jun 14 2004     | 8"             | 25mmPL        | SPOTTY CLOUDS - MEGASTAR CONTROL                  |                             |             |
| <b>NGC 6287</b> | <b>Oph</b>     | <b>H195-2</b> | <b>Globular</b>                                   | <b>GCL,CB,L,R,GPMCM,RRR</b> |             |
| 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                 |                             |             |
| <b>NGC 6293</b> | <b>Oph</b>     | <b>H12-6</b>  | <b>Globular</b>                                   | <b>GCL,VB,L,R,PSBM,ST16</b> |             |
| Jul 15 2006     | 8"             | 19mmW         | PF,PS,R=F,FAINT STARS                             |                             |             |
| Jun 23 2004     | 8"             | 25mmPL        | QUARTER MOON, LEFT @1:30AM.                       |                             |             |
| <b>NGC 6304</b> | <b>Oph</b>     | <b>H147-1</b> | <b>Globular</b>                                   | <b>GCL,B,CL,R,LBM,RRR</b>   |             |
| Jul 15 2006     | 8"             | 19mmW         | CF,PS,R=F,TIGHT SMUDGE, NO STARS                  |                             |             |
| Jun 23 2004     | 8"             | 25mmPL        | QUARTER MOON, LEFT @1:30AM.                       |                             |             |
| <b>NGC 6316</b> | <b>Oph</b>     | <b>H45-1</b>  | <b>Globular</b>                                   | <b>GCL,CB,PS,R,GVMBM</b>    |             |
| Jul 15 2006     | 8"             | 19mmW         | F,PS,R=F,LOOSE SMUDGE, NO STARS                   |                             |             |
| Jun 23 2004     | 8"             | 25mmPL        | QUARTER MOON, LEFT @1:30AM.                       |                             |             |
| <b>NGC 6325</b> | <b>Oph</b>     |               | <b>Globular</b>                                   | <b>PF,L,R,RR</b>            |             |
| 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                              |                             |             |
| <b>NGC 6333</b> | <b>Oph M9</b>  |               | <b>Globular</b>                                   | <b>GCL,B,L,R,ECM,RRR,</b>   | <b>M 9</b>  |
| 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                  |                             |             |
| <b>NGC 6341</b> | <b>Her M92</b> |               | <b>Globular</b>                                   | <b>GCL,VB,VL,ECM,ST S</b>   | <b>M 92</b> |
| 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                |                             |             |
| <b>NGC 6342</b> | <b>Oph</b>     | <b>H149-1</b> | <b>Globular</b>                                   | <b>CB,PS,LE,ER</b>          |             |
| Jul 15 2006     | 8"             | 19mmW         | VF,PS,R=F, DIM, UNRESOLVED.                       |                             |             |
| Jun 23 2004     | 8"             | 25mmPL        | QUARTER MOON, LEFT @1:30AM.                       |                             |             |
| <b>NGC 6355</b> | <b>Oph</b>     | <b>H46-1</b>  | <b>Globular</b>                                   | <b>CF,L,R,GBM,RRR</b>       |             |

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|                 |                |               |                 |                                     |             |
|-----------------|----------------|---------------|-----------------|-------------------------------------|-------------|
| <b>NGC 6355</b> | <b>Oph</b>     | <b>H46-1</b>  | <b>Globular</b> | <b>CF,L,R,GBM,RRR</b>               |             |
| Jul 15 2006     | 8"             | 19mmW         |                 | EF,S,AV,R=F                         |             |
| Jun 23 2004     | 8"             | 25mmPL        |                 | QUARTER MOON, LEFT @1:30AM.         |             |
| <b>NGC 6356</b> | <b>Oph</b>     | <b>H48-1</b>  | <b>Globular</b> | <b>GCL,VB,CL,VGMBM,RRR</b>          |             |
| 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.         |             |
| <b>NGC 6366</b> | <b>Oph</b>     |               | <b>Globular</b> | <b>F,L,VLBM</b>                     |             |
| 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   |             |
| <b>NGC 6380</b> | <b>Sco</b>     |               | <b>Globular</b> | <b>EF,PS,LE,*9ATT</b>               |             |
| Aug 20 2006     | 8"             | 7.5mmW        |                 | VF,VS,R=F                           |             |
| <b>NGC 6401</b> | <b>Oph</b>     | <b>H44-1</b>  | <b>Globular</b> | <b>PB,PL,R,*12F INV</b>             |             |
| Jul 15 2006     | 8"             | 19mmW         |                 | EF,CS,R=F,VERY DIM SMUDGE           |             |
| Jun 19 2004     | 8"             | 25mmPL        |                 | GOOD NIGHT - MEGASTAR               |             |
| <b>NGC 6402</b> | <b>Oph M14</b> |               | <b>Globular</b> | <b>GCL,B,VL,R,ERI,VGMBM</b>         | <b>M 14</b> |
| 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    |             |
| <b>NGC 6426</b> | <b>Oph</b>     | <b>H587-2</b> | <b>Globular</b> | <b>VF,CL,E,VLBM</b>                 |             |
| Jul 09 2005     | 8"             | 11mmT6        |                 | VF,VS,R=F                           |             |
| <b>NGC 6440</b> | <b>Sgr</b>     | <b>H150-1</b> | <b>Globular</b> | <b>PB,PL,R,BM</b>                   |             |
| Jul 13 2007     | 8"             | 11mmT6        |                 | PF,CS,ALMOST RESOLVE STARS,R=G      |             |
| Jul 15 2006     | 8"             | 19mmW         |                 | CF,CS,R=F                           |             |
| Jun 19 2004     | 8"             | 25mmPL        |                 | GOOD NIGHT - MEGASTAR               |             |
| <b>NGC 6441</b> | <b>Sco</b>     |               | <b>Globular</b> | <b>GCL,VB,PL,R,VGMBM,</b>           |             |
| Jul 15 2006     | 8"             | 19mmW         |                 | PB,CS,R=G,TIGHT GROUP, UNRESOLVABLE |             |
| Jun 23 2004     | 8"             | 25mmPL        |                 | QUARTER MOON, LEFT @1:30AM.         |             |
| <b>NGC 6453</b> | <b>Sco</b>     |               | <b>Globular</b> | <b>CL,IR,PMBM,R</b>                 |             |
| Jul 03 2005     | 8"             | 11mmT6        |                 | VF,VS,R,R=F                         |             |
| <b>NGC 6517</b> | <b>Oph</b>     | <b>H199-2</b> | <b>Globular</b> | <b>PB,PL,R,RR</b>                   |             |
| Jul 09 2005     | 8"             | 11mmT6        |                 | MF,ML,R=F                           |             |
| Jul 03 2005     | 8"             | 11mmT6        |                 | VF,VS,AV,R=F                        |             |

# Globular Cluster Observations

|                 |            |               |                 |                                    |             |
|-----------------|------------|---------------|-----------------|------------------------------------|-------------|
| <b>NGC 6522</b> | <b>Sgr</b> | <b>H49-1</b>  | <b>Globular</b> | <b>GCL,B,PL,R,GVMBM,RRR</b>        |             |
| Jul 15 2006     | 8"         | 19mmW         |                 | PB,S,R=F                           |             |
| Jun 19 2004     | 8"         | 25mmPL        |                 | GOOD NIGHT - MEGASTAR              |             |
| <b>NGC 6528</b> | <b>Sgr</b> | <b>H200-2</b> | <b>Globular</b> | <b>GCL,PF,CS,R,GBM,RRR</b>         |             |
| Jul 15 2006     | 8"         | 19mmW         |                 | CF,CS,R=G                          |             |
| Jun 19 2004     | 8"         | 25mmPL        |                 | GOOD NIGHT - MEGASTAR              |             |
| <b>NGC 6535</b> | <b>Ser</b> |               | <b>Globular</b> | <b>PF,VS,VSNEB*P</b>               |             |
| Jul 09 2005     | 8"         | 11mmT6        |                 | MF,ML,R=G                          |             |
| <b>NGC 6539</b> | <b>Ser</b> |               | <b>Globular</b> | <b>NO DESCRIPT</b>                 |             |
| Jul 09 2005     | 8"         | 11mmT6        |                 | VF,ML,R=F                          |             |
| <b>NGC 6540</b> | <b>Sgr</b> | <b>H198-2</b> | <b>Globular</b> | <b>PF,S,IE,ER OR CL</b>            |             |
| Jul 13 2007     | 8"         | 7.5mmW        |                 | VF,VS,PATCHY,R=F                   |             |
| Jul 09 2005     | 8"         | 11mmT6        |                 | R=F. LOOSE GROUP, FEWER STARS      |             |
| <b>NGC 6544</b> | <b>Sgr</b> | <b>H197-2</b> | <b>Globular</b> | <b>CF,PL,IR,R</b>                  |             |
| 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              |             |
| <b>NGC 6553</b> | <b>Sgr</b> | <b>H12-4</b>  | <b>Globular</b> | <b>GCL,F,L,LE,VGLBM,RR</b>         |             |
| Jul 15 2006     | 8"         | 19mmW         |                 | PF,PS,R=F                          |             |
| Jun 19 2004     | 8"         | 25mmPL        |                 | GOOD NIGHT - MEGASTAR              |             |
| <b>NGC 6558</b> | <b>Sgr</b> |               | <b>Globular</b> | <b>GCL,PB,PL,R,GLBM,RRR</b>        |             |
| Jul 08 2004     | 8"         | 25mmPL        |                 | VERY CLEAR NIGHT - LEFT AT 1:00AM  |             |
| <b>NGC 6569</b> | <b>Sgr</b> | <b>H201-2</b> | <b>Globular</b> | <b>GCL,CB,L,R,RRR,*15..</b>        |             |
| Jul 15 2006     | 8"         | 19mmW         |                 | F,CS,R=F                           |             |
| Jun 19 2004     | 8"         | 25mmPL        |                 | GOOD NIGHT - MEGASTAR              |             |
| <b>NGC 6624</b> | <b>Sgr</b> | <b>H50-1</b>  | <b>Globular</b> | <b>GCL,VB,PL,R,RRR,ST16</b>        |             |
| Jul 16 2006     | 8"         | 19mmW         |                 | PF,PS,R=F                          |             |
| Jun 19 2004     | 8"         | 25mmPL        |                 | GOOD NIGHT - MEGASTAR              |             |
| <b>NGC 6626</b> | <b>Sgr</b> | <b>M28</b>    | <b>Globular</b> | <b>GCL,VB,L,R,GECM,RRR</b>         | <b>M 28</b> |
| 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   |             |
| <b>NGC 6637</b> | <b>Sgr</b> | <b>M69</b>    | <b>Globular</b> | <b>GCL,B,L,R,RRR,*14.16</b>        | <b>M 69</b> |
| Mar 16 2012     | 18"        | 17mmAT        |                 | 2012 M.M.                          |             |

# Globular Cluster Observations

|                 |            |               |                                  |                             |              |
|-----------------|------------|---------------|----------------------------------|-----------------------------|--------------|
| <b>NGC 6637</b> | <b>Sgr</b> | <b>M69</b>    | <b>Globular</b>                  | <b>GCL,B,L,R,RRR,*14.16</b> | <b>M 69</b>  |
| 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            |                             |              |
| <b>NGC 6638</b> | <b>Sgr</b> | <b>H51-1</b>  | <b>Globular</b>                  | <b>GCL,B,S,R,RR</b>         |              |
| Jul 16 2006     | 8"         | 19mmW         | CF,PS,R=F                        |                             |              |
| Jun 19 2004     | 8"         | 25mmPL        | GOOD NIGHT - MEGASTAR            |                             |              |
| <b>NGC 6642</b> | <b>Sgr</b> | <b>H205-2</b> | <b>Globular</b>                  | <b>GCL,PB,PL,IR,GPMBM</b>   |              |
| Jul 16 2006     | 8"         | 19mmW         | F,CS,R=F                         |                             |              |
| Jun 19 2004     | 8"         | 25mmPL        | GOOD NIGHT - MEGASTAR            |                             |              |
| <b>NGC 6652</b> | <b>Sgr</b> | <b>H205-2</b> | <b>Globular</b>                  | <b>B,S,LE,RRR,ST15</b>      |              |
| Jul 16 2006     | 8"         | 19mmW         | CF,CS,R=F                        |                             |              |
| Jun 19 2004     | 8"         | 25mmPL        | GOOD NIGHT - MEGASTAR            |                             |              |
| <b>NGC 6656</b> | <b>Sgr</b> | <b>M22</b>    | <b>Globular</b>                  | <b>GCL,VB,VL,R,VRI,VMC</b>  | <b>M 22</b>  |
| 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 |                             |              |
| <b>NGC 6681</b> | <b>Sgr</b> | <b>M70</b>    | <b>Globular</b>                  | <b>GCL,B,PL,R,GBM,</b>      | <b>M 70</b>  |
| 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 20 2006     | 1.9"       | 12x50         | PF,S,R=F                         |                             |              |
| Mar 27 2006     | 8"         | 19mmW         | PF,PS,R=F,TIGHT GROUP            |                             |              |
| Jun 19 2004     | 8"         | 25mmPL        | GOOD NIGHT - MEGASTAR            |                             |              |
| <b>NGC 6712</b> | <b>Sct</b> | <b>H47-1</b>  | <b>Globular</b>                  | <b>GCL,PB,VL,IRR,RRR</b>    |              |
| 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            |                             |              |
| <b>NGC 6715</b> | <b>Sgr</b> | <b>M54</b>    | <b>Globular</b>                  | <b>GCL,VB,L,R,G,SMBM,</b>   | <b>M 54</b>  |
| 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            |                             |              |
| <b>NGC 6717</b> | <b>Sgr</b> | <b>H143-3</b> | <b>Globular</b>                  | <b>F,S,RR,CL+NEB</b>        | <b>PAL 9</b> |

# Globular Cluster Observations

|                 |            |               |                                    |                             |              |
|-----------------|------------|---------------|------------------------------------|-----------------------------|--------------|
| <b>NGC 6717</b> | <b>Sgr</b> | <b>H143-3</b> | <b>Globular</b>                    | <b>F,S,RR,CL+NEB</b>        | <b>PAL 9</b> |
| Jun 19 2004     | 8"         | 7.5mmW        | GOOD NIGHT - MEGASTAR              |                             |              |
| <b>NGC 6723</b> | <b>Sgr</b> |               | <b>Globular</b>                    | <b>GCL,VL,VLE,VGBM,RRR</b>  |              |
| Jul 16 2006     | 8"         | 19mmW         | CF,PS,R=F                          |                             |              |
| Jul 08 2004     | 8"         | 25mmPL        | VERY CLEAR NIGHT - LEFT AT 1:00AM  |                             |              |
| <b>NGC 6749</b> | <b>Aql</b> |               | <b>Globular</b>                    | <b>CL,L,LC,ST L\$\$</b>     |              |
| Jul 03 2005     | 8"         | 11mmT6        | VF,VS,AV,R=F                       |                             |              |
| <b>NGC 6760</b> | <b>Aql</b> |               | <b>Globular</b>                    | <b>2 19 08.6+0057</b>       |              |
| Jun 26 2004     | 8"         | 25mmPL        | CLOUDS EARLY - GIBBOUS MOON        |                             |              |
| Jun 19 2004     | 8"         | 25mmPL        | GOOD NIGHT - MEGASTAR              |                             |              |
| <b>NGC 6779</b> | <b>Lyr</b> | <b>M56</b>    | <b>Globular</b>                    | <b>GCL,B,L,IR,GVMCM,RRR</b> | <b>M 56</b>  |
| 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                           |                             |              |
| <b>NGC 6809</b> | <b>Sgr</b> | <b>M55</b>    | <b>Globular</b>                    | <b>GCL,PB,L,R,VRI,VGBM</b>  | <b>M 55</b>  |
| 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              |                             |              |
| <b>NGC 6838</b> | <b>Sge</b> | <b>M71</b>    | <b>Globular</b>                    | <b>CL,VL,VRI,PMC,*11.16</b> | <b>M 71</b>  |
| 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              |                             |              |
| <b>NGC 6864</b> | <b>Sgr</b> | <b>M75</b>    | <b>Globular</b>                    | <b>GCL,B,PL,R,VMBMBN,RR</b> | <b>M 75</b>  |
| Mar 16 2012     | 18"        | 17mmAT        | 2012 M.M.                          |                             |              |
| Mar 08 2010     | 12"        | 11mmT6        | M.M. 2010 MANUAL SETTING CIRCLES   |                             |              |
| Aug 16 2006     | 1.9"       | 12x50         | PF,S,R=F                           |                             |              |
| Jul 16 2006     | 8"         | 19mmW         | PF,PS,R=F                          |                             |              |
| Jul 09 2005     | 8"         | 11mmT6        | PB,PL,R=G,TIGHT GROUP              |                             |              |
| Jun 19 2004     | 8"         | 25mmPL        | GOOD NIGHT - MEGASTAR              |                             |              |
| <b>NGC 6934</b> | <b>Del</b> | <b>H103-1</b> | <b>Globular</b>                    | <b>GCL,B,L,R,RRR,*16...</b> |              |

# Globular Cluster Observations

|                 |            |               |  |                             |                              |
|-----------------|------------|---------------|--|-----------------------------|------------------------------|
| <b>NGC 6934</b> | <b>Del</b> | <b>H103-1</b> | <b>Globular</b>                              | <b>GCL,B,L,R,RRR,*16...</b> |                              |
| 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                  |                             |                              |
| <b>NGC 6981</b> | <b>Aqr</b> | <b>M72</b>    | <b>Globular</b>                              | <b>GCL,PB,PL,R,GMCM,RRR</b> | <b>M 72</b>                  |
| Sep 13 2009     | 12"        | 32mmUW        | 2ND OBJECT.                                  |                             |                              |
| Oct 08 2006     | 1.9"       | 12x50         | VF,S,R=F                                     |                             |                              |
| Oct 06 2004     | 8"         | 11mmT6        | PB,L,R=G,                                    | TIGHT GROUP                 |                              |
| Jun 19 2004     | 8"         | 25mmPL        | GOOD NIGHT - MEGASTAR                        |                             |                              |
| <b>NGC 7006</b> | <b>Del</b> | <b>H52-1</b>  | <b>Globular</b>                              | <b>B,PL,R,GBM</b>           | <b>very distant globular</b> |
| 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                  |                             |                              |
| <b>NGC 7078</b> | <b>Peg</b> | <b>M15</b>    | <b>Globular</b>                              | <b>GCL,VB,VL,IR,VSMBM</b>   | <b>M 15</b>                  |
| 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                                     |                             |                              |
| <b>NGC 7089</b> | <b>Aqr</b> | <b>M2</b>     | <b>Globular</b>                              | <b>GCL,B,VL,GPMBM,RRR</b>   | <b>M 2</b>                   |
| 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                        |                             |                              |
| <b>NGC 7099</b> | <b>Cap</b> | <b>M30</b>    | <b>Globular</b>                              | <b>GCL,B,L,LE,GPMBM</b>     | <b>M 30</b>                  |
| 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 ***                  |                             |                              |
| <b>NGC 7492</b> | <b>Aqr</b> | <b>H558-3</b> | <b>Globular</b>                              | <b>EF,L,BET2D*</b>          |                              |
| Sep 05 2007     | 8"         | 11mmT6        | VF,VS,AV,R=F                                 |                             |                              |
| <b>PAL 4</b>    | <b>UMa</b> |               | <b>Globular</b>                              |                             | <b>Palomar 4</b>             |
| Apr 06 2010     | 12"        | 11mmT6        | VF,VS,AV,R=F,FAINT SMUDGE,                   | 12TH MAG START TO WEST.     |                              |

# Globular Cluster Observations

|                  |            |                                       |                   |
|------------------|------------|---------------------------------------|-------------------|
| <b>PAL 5</b>     | <b>Ser</b> | <b>Globular</b>                       | <b>Palomar 5</b>  |
| Jun 09 2007 8"   | 7.5mmW     | VF,VS,AV,R=F                          |                   |
| Jun 04 2005 31"  | 17mmT4     | VF,VS,R,AV,R=F                        |                   |
| <b>PAL 6</b>     | <b>Oph</b> | <b>Globular</b>                       | <b>Palomar 6</b>  |
| Jul 13 2007 8"   | 7.5mmW     | VF,VS,R,PATCHY,AV,R=F                 |                   |
| <b>PAL 8</b>     | <b>Sgr</b> | <b>Globular</b>                       | <b>Palomar 8</b>  |
| Jul 09 2005 8"   | 11mmT6     | VF,ML,R,R=F                           |                   |
| <b>PAL 10</b>    | <b>Sge</b> | <b>Globular</b>                       | <b>Palomar 10</b> |
| May 21 2009 16"  | 11mmT6     | VF,PS,AV,R=F UNRESOLVED.              |                   |
| <b>PAL 11</b>    | <b>Aql</b> | <b>Globular</b>                       | <b>Palomar 11</b> |
| Jul 31 2005 8"   | 11mmT6     | DIFF, VF,ML,R,LOWSB,R=F               |                   |
| <b>PAL 13</b>    | <b>Peg</b> | <b>Globular</b>                       | <b>Palomar 13</b> |
| Nov 02 2005 31"  | 19mmW      | PF,PS,PATCHY,R=F, CAN'T RESOLVE STARS |                   |
| <b>PAL 14</b>    | <b>Her</b> | <b>Globular</b>                       | <b>Palomar 14</b> |
| May 21 2009 16"  | 11mmT6     | CF,PS,R=F, UNRESOLVED,STAR IN FRONT.  |                   |
| <b>PAL 15</b>    | <b>LMI</b> | <b>Globular</b>                       | <b>Palomar 15</b> |
| May 21 2009 16"  | 11mmT6     | VF,PS,AV,R=F UNRESOLVED.              |                   |
| <b>TER 2</b>     | <b>Sco</b> | <b>Globular</b>                       | <b>Terzan 2</b>   |
| Oct 29 2006 8"   | 19mmW      | PF,PS,LOOSE,R=F                       |                   |
| <b>TER 3</b>     | <b>Sco</b> | <b>Globular</b>                       | <b>Terzan 3</b>   |
| Nov 26 2006 1.9" | 12x50      | B,PL,LOOSE,RESOLVESTARS,R=G           |                   |
| Nov 09 2006 8"   | 19mmW      | 12+,FAINT,R=F                         |                   |
| <b>TER 8</b>     | <b>Sgr</b> | <b>Globular</b>                       | <b>Terzan 8</b>   |
| Jul 31 2005 8"   | 11mmT6     | VF,VS,R,LOWSB,R=F                     |                   |
| <b>TER 9</b>     | <b>Sgr</b> | <b>Globular</b>                       | <b>Terzan 9</b>   |
| Aug 06 2010 28"  | 26mm       | PF,PS,SMUDGE, NO STARS RESOLVED       |                   |