

## Serpens - The Serpent

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|-----------------|--------|---|
| <b>IC 1105</b>  |        | <b>Galaxy S?</b>  |
| Apr 07 2008 31" | 17mmT4 | PF,PS,OVAL,FSNUC,PAIRS=PGC54327,R=F                       |
| <b>IC 1106</b>  |        | <b>Galaxy</b>   |
| Apr 07 2008 31" | 17mmT4 | PF,VS,PATCH,UB,NND,R=P                                    |
| <b>IC 1107</b>  |        | <b>Galaxy</b>   |
| Apr 07 2008 31" | 17mmT4 | PF,VS,PATCH,UB,NND,R=P                                    |
| <b>IC 1109</b>  |        | <b>Galaxy</b>   |
| Apr 07 2008 31" | 17mmT4 | MF,PS,PATCH,UB,NND,R=F                                    |
| <b>IC 1112</b>  |        | <b>Galaxy SA(r)0+?</b>                                    |
| Apr 07 2008 31" | 17mmT4 | VF,PS,OVAL,VFSNUC,R=P                                     |
| <b>IC 1113</b>  |        | <b>Galaxy Sb</b>  |
| Apr 07 2008 31" | 17mmT4 | EF,VS,PATCH,UB,NND,R=P                                    |
| <b>IC 1116</b>  |        | <b>Galaxy S0?</b>   |
| May 28 2008 31" | 17mmT4 | MB,ML,OVAL,BLNUC,SHISB,MHISB CNTR,PAIRS=MAC'S/PGC,R=G     |
| <b>IC 1117</b>  |        | <b>Galaxy</b>   |
| May 28 2008 31" | 17mmT4 | MF,MS,EL,FLNUC,R=F  |
| <b>IC 1118</b>  |        | <b>Galaxy S</b>   |
| May 28 2008 31" | 17mmT4 | MF,MS,R,BLNUC,SBM,MHISB CNTR,PAIR=MAC,R=F                 |
| <b>IC 1119</b>  |        | <b>Galaxy S</b>   |
| May 28 2008 31" | 17mmT4 | PF,MS,PATCH,NND,R=P                                       |
| <b>IC 1121</b>  |        | <b>Galaxy C</b>   |
| May 28 2008 31" | 17mmT4 | MF,MS,PATCH,BLNUC,SHISB,VF* IN EDGE,R=F                   |
| <b>IC 1124</b>  |        | <b>Galaxy S?</b>  |
| May 28 2008 31" | 17mmT4 | MB,ML,EDGE ON,UB,NND,MHISB,F* IN EDGE,SOME CNTR BULGE,R=G |
| <b>IC 1125</b>  |        | <b>Galaxy Sdm:</b>  |
| May 28 2008 31" | 17mmT4 | DIF,PF,PL,OVAL,PATCH,UB,NND,R=F                           |
| <b>IC 1128</b>  |        | <b>Galaxy S0:</b>   |
| May 28 2008 31" | 17mmT4 | MF,MS,OVAL,BSNUC,PAIR=PGC55640,R=F                        |
| <b>IC 1130</b>  |        | <b>Galaxy S</b>   |
| Apr 06 2008 31" | 17mmT4 | PF,MS,PATCH,UB,NND,R=P                                    |
| <b>IC 1131</b>  |        | <b>Galaxy E1:</b>   |
| Jun 01 2008 31" | 17mmT4 | MB,MS,EL-OVAL,BLNUC,R=F                                   |

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| <b>IC</b>   | <b>1132</b> |        | <b>Galaxy SA(rs)c</b>  |
| Jun 01 2008 | 31"         | 17mmT4 | DIF,PF,VL,OVAL,PATCH,UB,NND,R=F                              |
| <b>IC</b>   | <b>1133</b> |        | <b>Galaxy Scd:</b>   |
| Apr 06 2008 | 31"         | 17mmT4 | VF,MS,EL,PATCH,UB,NND,R=P                                    |
| <b>IC</b>   | <b>1134</b> |        | <b>Galaxy E</b>  |
| Jun 01 2008 | 31"         | 17mmT4 | PF,MS,R,FLNUC,PAIR=PGC55938,R=F                              |
| <b>IC</b>   | <b>1135</b> |        | <b>Galaxy Sb</b>   |
| Jun 01 2008 | 31"         | 17mmT4 | PF,MS,EL-EDGE ON,PATCH,UB,NND,R=F                            |
| <b>IC</b>   | <b>1136</b> |        | <b>Galaxy C</b>  |
| Jun 01 2008 | 31"         | 17mmT4 | PF,PS,EL-OVAL,FSNUC,R=F                                      |
| <b>IC</b>   | <b>1141</b> |        | <b>Galaxy SB?</b>  |
| Jun 01 2008 | 31"         | 17mmT4 | MF,PS,OVAL-R,BNUC,BM,R=F                                     |
| <b>IC</b>   | <b>1142</b> |        | <b>Galaxy Scd:</b>   |
| Jun 01 2008 | 31"         | 17mmT4 | VDIF,EF,PL,OVAL,PATCH,UB,NND,R=P                             |
| <b>IC</b>   | <b>1149</b> |        | <b>Galaxy Sbc</b>  |
| Jun 01 2008 | 31"         | 17mmT4 | MB,ML,OVAL,PATCH,UB,NND,SHISB,PAIR=MAC,R=G                   |
| <b>IC</b>   | <b>1151</b> |        | <b>Galaxy SB(rs)c</b>  |
| Jun 01 2008 | 31"         | 17mmT4 | MB,ML,EL,NND,SHISB,PATCHY AREAS,EDGES TAPERED BOTH SIDES,R=G |
| <b>IC</b>   | <b>1155</b> |        | <b>Galaxy SAB(rs)bc</b>                                      |
| Jun 01 2008 | 31"         | 17mmT4 | PF,MS,OVAL,PATCH,UB,NND,VF* OUTER EDGE,R=P                   |
| <b>IC</b>   | <b>1157</b> |        | <b>Galaxy SB</b>   |
| Jun 01 2008 | 31"         | 17mmT4 | VF,PS,OVAL,UB,NND,PAIRS=IC1159/MAC,R=P                       |
| <b>IC</b>   | <b>1158</b> |        | <b>Galaxy SAB(r)c:</b>                                       |
| Jun 01 2008 | 31"         | 17mmT4 | VDIF,VF,PL,PATCH,NND,VF* IN GLXY,PATCHY AREAS,R=F            |
| <b>IC</b>   | <b>1159</b> |        | <b>Galaxy</b>  |
| Jun 01 2008 | 31"         | 17mmT4 | VF,PS,OVAL,UB,NND,PAIRS=IC1157/MAC,R=P                       |
| <b>IC</b>   | <b>1161</b> |        | <b>Galaxy E</b>  |
| May 17 2009 | 31"         | 17mmT4 | MF,MS,R,FLNUC,AGC2147,R=F                                    |
| May 14 2009 | 31"         | 17mmT4 | MF,MS,OVAL,BLNUC,R=F   |
| Jun 01 2008 | 31"         | 17mmT4 | PF,PS,OVAL-R,FLNUC,R=F                                       |
| <b>IC</b>   | <b>1163</b> |        | <b>Galaxy E</b>  |
| May 14 2009 | 31"         | 17mmT4 | MF,MS,R,FLNUC,R=F  |
| Jun 01 2008 | 31"         | 17mmT4 | PF,PS,OVAL-R,FLNUC,R=F                                       |

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| <b>IC 1167</b>  |        | <b>Galaxy L</b>  |
| Jun 01 2008 31" | 17mmT4 | PF,PS,OVAL,UB,NND,PAIRS=IC1168/MAC'S,R=F                             |
| <b>IC 1168</b>  |        | <b>Galaxy E</b>  |
| Jun 01 2008 31" | 17mmT4 | PF,PS,OVAL,FSNUC,PAIRS=IC1167/MAC'S,MAC ON OUTER EDGE,R=F            |
| <b>IC 1169</b>  |        | <b>Galaxy S?</b>   |
| Jun 24 2022 36" | 17mmT4 | MB,MS,OVAL,LBNUC,HISB MID,GRAN HALO,R=FG                             |
| <b>IC 1174</b>  |        | <b>Galaxy SA0/a:</b>   |
| Jun 24 2022 36" | 17mmT4 | MB,MS,OVAL-R,LFNUC,F HALO,R-FG                                       |
| <b>IC 1196</b>  |        | <b>Galaxy Sa</b>   |
| Jun 24 2022 36" | 17mmT4 | PF,MS,OVAL,NND,SHISB,R=F   |
| <b>IC 1197</b>  |        | <b>Galaxy Scd:</b>   |
| May 30 2014 36" | 17mmT4 | MF,PL,EDGE ON,UB,NND,PA~50,TAPERED ENDS,R=FG                         |
| <b>IC 1198</b>  |        | <b>Galaxy S?</b>   |
| Jun 24 2022 36" | 17mmT4 | MF,MS,EL-OVAL,SBNUC,SHISB,GMBM,R=F                                   |
| <b>IC 1199</b>  |        | <b>Galaxy S?</b>   |
| Jun 24 2022 36" | 17mmT4 | MF,MS,EL,PATCH,NND,MHISB,B* CLOSE BY,R=F                             |
| <b>IC 1276</b>  |        | <b>Globular</b>  |
| Jul 01 2019 36" | 17mmT4 | (Class XII),VF,MS,PATCH,UB,NND,2 BTR *S IN CL ON EDGE,NO CL DET,R=PF |
| <b>IC 4537</b>  |        | <b>Galaxy</b>  |
| Apr 07 2008 31" | 17mmT4 | EF,VS,PATCH,NND,AV,VF* OFF ONE SIDE,R=P                              |
| <b>IC 4554</b>  |        | <b>Galaxy S?</b>   |
| May 28 2008 31" | 17mmT4 | MB,ML,PATCH,UB,NND,SHISB,PAIRS=MAC'S,R=G                             |
| Apr 26 2006 31" | 17mmT4 | MF,MS,OVAL,PATCH,UB,NND,SHISB,PAIRS=MAC'S,R=F                        |
| <b>IC 4556</b>  |        | <b>Galaxy S</b>  |
| May 28 2008 31" | 17mmT4 | MF,MS,LNUC,BM,R=F  |
| <b>IC 4558</b>  |        | <b>Galaxy</b>  |
| May 28 2008 31" | 17mmT4 | PF,MS,PATCH,NND,PAIR=IC4559,R=F                                      |
| <b>IC 4559</b>  |        | <b>Galaxy C</b>  |
| May 28 2008 31" | 17mmT4 | MF,MS,R,LNUC,BM,PAIR=IC4558,R=F                                      |
| <b>IC 4561</b>  |        | <b>Galaxy L</b>  |
| May 28 2008 31" | 17mmT4 | PF,PS,FLNUC,PAIR=MAC,R=F   |
| <b>IC 4573</b>  |        | <b>Galaxy</b>  |

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| <b>IC</b>   | <b>4573</b>       |        | <b>Galaxy</b>  |
| Jun 01 2008 | 31"               | 17mmT4 | VF,PS,OVAL,PATCH,UB,NND,PAIR=IC4575,R=P  |
| <b>IC</b>   | <b>4575</b>       |        | <b>Galaxy</b>  |
| Jun 01 2008 | 31"               | 17mmT4 | PF,VS,OVAL,VFSNUC,F* OFF EDGE,PAIR=IC4573,R=F  |
| <b>IC</b>   | <b>4576</b>       |        | <b>Galaxy</b>  |
| Jun 01 2008 | 31"               | 17mmT4 | MB,MS,EL-OVAL,FLNUC,F* OUTER EDGE,R=F  |
| <b>IC</b>   | <b>4577</b>       |        | <b>Galaxy C</b>  |
| Jun 01 2008 | 31"               | 17mmT4 | PF,MS,EL,FLNUC,PAIR=IC4579,R=F   |
| <b>IC</b>   | <b>4579</b>       |        | <b>Galaxy</b>  |
| Jun 01 2008 | 31"               | 17mmT4 | PF,MS,EL,FLNUC,PAIR=IC4577,R=F   |
| <b>IC</b>   | <b>4583</b>       |        | <b>Galaxy S?</b>   |
| Jun 01 2008 | 31"               | 17mmT4 | MF,MS,EL-EDGE ON,BLNUC,HISB CNTR,B CNTR RGN,TAPERED ENDS,R=F   |
| <b>IC</b>   | <b>4703</b>       |        | <b>Brn Nebula E</b>  |
| Jun 23 2022 | 36"               | 31mmT5 | (Lb 1),VB,EEL,SVRL FOV'S,BEST PART JUST E OF OC N6611.L AREA NEB,NO BKN PARTS,W/OIII,EXCEL,BKN PARTS,DUST,OC INSIDE ON NEB,PATCHES VAR PLACES,(1:30am),R=E |
| <b>IC</b>   | <b>4756</b>       |        | <b>Open Cluster II 3 r</b>   |
| Jun 24 2022 | 36"               | 31mmT5 | (III 3 r),EB,EEL,SVRL FOV'S,BEST IN FINDER,* VAR MAG,CL DET,SC,(2:02am),R=P  |
| <b>MAC</b>  | <b>1516+0653</b>  |        | <b>Galaxy</b>  |
| Mar 17 2010 | 31"               | 17mmT4 | VF,VS,PATCH,UB,AGC 2052,R=F  |
| <b>MAC</b>  | <b>1516+0658</b>  |        | <b>Galaxy</b>  |
| Mar 17 2010 | 31"               | 17mmT4 | EF,VS,PATCH,VF* ON EDGE,AV TOOK A WHILE,AGC 2052,R=P   |
| <b>MAC</b>  | <b>1517+0654</b>  |        | <b>Galaxy</b>  |
| Mar 17 2010 | 31"               | 17mmT4 | EF,VS,EL,PATCH,AV ONLY ONCE OR TWICE,SUSP,AGC 2052,R=P   |
| <b>MAC</b>  | <b>1517+0707A</b> |        | <b>Galaxy</b>  |
| Mar 17 2010 | 31"               | 17mmT4 | EF,ES,PATCH,AV ONLY A FEW TIMES,SUSP,AGC 2052,R=P  |
| <b>MAC</b>  | <b>1521+0743</b>  |        | <b>Galaxy</b>  |
| May 28 2008 | 31"               | 17mmT4 | VF,VS,VFSNUC,MANY OTHERS PRESENT,R=F   |
| <b>MAC</b>  | <b>1521+0744</b>  |        | <b>Galaxy</b>  |
| May 28 2008 | 31"               | 17mmT4 | VF,VS,PATCH,UB,NND,MANY OTHERS PRESENT,R=P   |
| <b>MAC</b>  | <b>1521+0744A</b> |        | <b>Galaxy</b>  |
| May 28 2008 | 31"               | 17mmT4 | EF,ES,PATCH,UB,NND,MANY OTHERS PRESENT,R=P   |
| <b>MAC</b>  | <b>1521+0821</b>  |        | <b>Galaxy</b>  |

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| <b>MAC 1521+0821</b>  |        | <b>Galaxy</b>  |
| May 28 2008 31"       | 17mmT4 | VF,ES,PATCH,UB,NND,PAIRS=IC1116/MAC/PGC,R=P  |
| <b>MAC 1521+0824</b>  |        | <b>Galaxy</b>  |
| May 28 2008 31"       | 17mmT4 | VF,MS,PATCH,UB,NND,AV FIRST THEN HOLDS,PAIRS=IC1116/MAC/PGC,R=P                            |
| <b>MAC 1522+0828</b>  |        | <b>Galaxy</b>  |
| May 09 2010 31"       | 17mmT4 | EF,VS,UB,NND,AV FIRST THEN HOLDS,AGC 2063,R=P  |
| <b>MAC 1522+0829</b>  |        | <b>Galaxy</b>  |
| May 09 2010 31"       | 17mmT4 | EF,ES,* IN NUC,VF HALO SUR *,SUSP,AGC 2063,R=P   |
| <b>MAC 1522+0831</b>  |        | <b>Galaxy</b>  |
| May 09 2010 31"       | 17mmT4 | EF,VS,PATCH,TOOK AV A WHILE TO FIND,HARD TO HOLD,AGC 2063,R=P                              |
| <b>MAC 1522+0832B</b> |        | <b>Galaxy</b>  |
| May 09 2010 31"       | 17mmT4 | EF,VS,PATCH,TOOK AV A WHILE TO FIND,HARD TO HOLD,AGC 2063,R=P                              |
| <b>MAC 1522+0832C</b> |        | <b>Galaxy</b>  |
| May 09 2010 31"       | 17mmT4 | EF,VS,PATCH,TOOK AV A WHILE,COMES AND GOES,AGC 2063,R=P                                    |
| <b>MAC 1522+0833</b>  |        | <b>Galaxy</b>  |
| May 09 2010 31"       | 17mmT4 | EF,VS,PATCH,TOOK AV A WHILE TO FIND,HARD TO HOLD,AGC 2063,R=P                              |
| <b>MAC 1522+0834</b>  |        | <b>Galaxy</b>  |
| May 09 2010 31"       | 17mmT4 | EF,VS,PATCH,TOOK AV A WHILE TO FIND,HARD TO HOLD,AGC 2063,R=P                              |
| <b>MAC 1522+0834A</b> |        | <b>Galaxy</b>  |
| May 09 2010 31"       | 17mmT4 | EF,ES,SUSP,AV ONLY ONCE,AGC 2063,R=P   |
| <b>MAC 1522+0838A</b> |        | <b>Galaxy</b>  |
| May 09 2010 31"       | 17mmT4 | VF,VS,EL,PATCH,NND,PAIRS=PGC54871/MAC,ALL 3 LOOK LIKE ONE ,EL GLXY,CANNOT SEP,AGC 2063,R=P |
| <b>MAC 1522+0838B</b> |        | <b>Galaxy</b>  |
| May 09 2010 31"       | 17mmT4 | VF,VS,EL,PATCH,NND,PAIRS=PGC54871/MAC,ALL 3 LOOK LIKE ONE ,EL GLXY,CANNOT SEP,AGC 2063,R=P |
| <b>MAC 1522+0839A</b> |        | <b>Galaxy</b>  |
| May 09 2010 31"       | 17mmT4 | VF,VS,PATCH,NND,AGC 2063,R=P   |
| <b>MAC 1522+0839B</b> |        | <b>Galaxy</b>  |
| May 09 2010 31"       | 17mmT4 | EF,VS,PATCH,AV ONLY ONCE OR TWICE,AGC 2063,R=P   |
| <b>MAC 1522+0840A</b> |        | <b>Galaxy</b>  |
| May 09 2010 31"       | 17mmT4 | EF,VS,PATCH,UB,NND,AV FIRST THEN HOLDS,AGC 2063,R=P  |

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|-----------------------|--------|---|
| <b>MAC 1523+0827A</b> |        | <b>Galaxy</b>   |
| May 09 2010 31"       | 17mmT4 | EF,ES,TOOK AV A WHILE TO FIND,AGC 2063,R=P                          |
| <b>MAC 1523+0827B</b> |        | <b>Galaxy</b>   |
| May 09 2010 31"       | 17mmT4 | EF,VS,TOOK AV A WHILE TO FIND,AGC 2063,R=P                          |
| <b>MAC 1523+0833A</b> |        | <b>Galaxy</b>   |
| May 09 2010 31"       | 17mmT4 | EF,ES,PATCH,AV ONLY ONCE,SUSP,AGC 2063,R=P                          |
| <b>MAC 1523+0833B</b> |        | <b>Galaxy</b>   |
| May 09 2010 31"       | 17mmT4 | EF,ES,PATCH,SUSP,AGC 2063,R=P                                       |
| <b>MAC 1523+0839A</b> |        | <b>Galaxy</b>   |
| May 09 2010 31"       | 17mmT4 | EF,ES,PATCH,AV ONLY ONCE,SUSP,AGC 2063,R=P                          |
| <b>MAC 1523+0839B</b> |        | <b>Galaxy</b>   |
| May 09 2010 31"       | 17mmT4 | EF,ES,PATCH,AV FIRST THEN HOLDS,AGC 2063,R=P                        |
| <b>MAC 1523+0840</b>  |        | <b>Galaxy</b>   |
| May 09 2010 31"       | 17mmT4 | VF,VS,OVAL,*NUC,AGC 2063,R=P  |
| <b>MAC 1524+1328</b>  |        | <b>Galaxy</b>   |
| May 28 2008 31"       | 17mmT4 | PF,PS,PATCH,UB,NND,PAIR=IC1118,R=P                                  |
| <b>MAC 1529+0737</b>  |        | <b>Galaxy</b>   |
| May 28 2008 31"       | 17mmT4 | VF,VS,OVAL,PATCH,UB,NND,PAIR=5931,R=P                               |
| May 28 2008 31"       | 17mmT4 | VF,VS,PATCH,UB,NND,PAIR=5931,R=P                                    |
| <b>MAC 1534+2325</b>  |        | <b>Galaxy</b>   |
| May 28 2008 31"       | 17mmT4 | EF,ES,PATCH,UB,NND,PAIRS=IC4554,MAC'S,R=P                           |
| Apr 26 2006 31"       | 17mmT4 | EF,ES,UB,NND,AV,PAIRS=IC4554/MAC'S,R=P                              |
| <b>MAC 1534+2328</b>  |        | <b>Galaxy</b>   |
| May 28 2008 31"       | 17mmT4 | VF,VS,PATCH,UB,NND,PAIRS=IC4554,MAC'S,R=P                           |
| Apr 26 2006 31"       | 17mmT4 | VF,VS,PATCH,UB,NND,PAIRS=IC4554/MAC'S,R=P                           |
| <b>MAC 1535+2328</b>  |        | <b>Galaxy</b>   |
| May 28 2008 31"       | 17mmT4 | VF,PS,PATCH,UB,NND,PAIRS=IC4554,MAC'S,R=F                           |
| Apr 26 2006 31"       | 17mmT4 | PF,PS,PATCH,UB,NND,PAIRS=IC4554/MAC'S,R=P                           |
| <b>MAC 1535+2526</b>  |        | <b>Galaxy</b>   |
| May 28 2008 31"       | 17mmT4 | EF,ES,PATCH,UB,AV HOLDS,PAIRS=PGC55568/MAC,R=P                      |
| <b>MAC 1536+2520</b>  |        | <b>Galaxy</b>   |
| May 28 2008 31"       | 17mmT4 | EF,ES,PATCH,UB,AV COMES AND GOES,B* CLOSE BY,PAIRS=PGC55568/MAC,R=P |
| <b>MAC 1536+2525</b>  |        | <b>Galaxy</b>   |

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| <b>MAC 1536+2525</b>  |           | <b>Galaxy</b>  |                             |
| May 28 2008 31"       | 17mmT4    | EF,VS,UB,NND,CLOSE TO *,PAIR=IC4561,R=P  |                             |
| <b>MAC 1553+1848</b>  |           | <b>Galaxy</b>  |                             |
| Apr 26 2006 31"       | 17mmT4    | PF,PS,OVAL,*NUC,PAIR=MAC,R=F   |                             |
| <b>MAC 1553+1848A</b> |           | <b>Galaxy</b>  |                             |
| Apr 26 2006 31"       | 17mmT4    | VF,PS,OVAL,PATCHUB,NND,PAIR=MAC,R=F  |                             |
| <b>MAC 1557+1549</b>  |           | <b>Galaxy</b>  |                             |
| Jun 01 2008 31"       | 17mmT4    | EF,ES,PATCH,UB,AV COMES AND GOES,R=P   |                             |
| <b>MAC 1557+1608</b>  |           | <b>Galaxy</b>  |                             |
| Jun 01 2008 31"       | 17mmT4    | VF,VS,PATCH,UB,NND,R=P   |                             |
| <b>MAC 1557+1621</b>  |           | <b>Galaxy</b>  |                             |
| Jun 01 2008 31"       | 17mmT4    | EF,VS,PATCH,UB,NND,PAIRS=MAC'S,R=P   |                             |
| <b>MAC 1557+1622</b>  |           | <b>Galaxy</b>  |                             |
| Jun 01 2008 31"       | 17mmT4    | VF,VS,PATCH,UB,NND,PAIRS=MAC'S,R=P   |                             |
| <b>MAC 1557+1623</b>  |           | <b>Galaxy</b>  |                             |
| Jun 01 2008 31"       | 17mmT4    | EF,VS,PATCH,UB,NND,PAIRS=MAC'S,R=P   |                             |
| <b>MAC 1558+1202</b>  |           | <b>Galaxy</b>  |                             |
| Jun 01 2008 31"       | 17mmT4    | EF,VS,PATCH,AV COMES AND GOES,SUSP,PAIR=IC1149,R=P   |                             |
| <b>MAC 1600+1531</b>  |           | <b>Galaxy</b>  |                             |
| Jun 01 2008 31"       | 17mmT4    | VF,PS,EL-EDGE ON,UB,NND,PAIRS=IC1159/IC1157,R=P  |                             |
| <b>MAC 1603+1453</b>  |           | <b>Galaxy</b>  |                             |
| Jun 01 2008 31"       | 17mmT4    | EF,ES,PATCH,NND,JUST ON OUTER EDGE OF IC1168,PAIRS=MAC/IC1168/IC1169,R=P                       |                             |
| <b>MAC 1603+1457</b>  |           | <b>Galaxy</b>  |                             |
| Jun 01 2008 31"       | 17mmT4    | VF,VS,OVAL,UB,NND,PAIRS=IC1167/IC1168/MAC,R=P  |                             |
| <b>MAC 1604+1445B</b> |           | <b>Galaxy</b>  |                             |
| Apr 26 2006 31"       | 17mmT4    | NO DESCRIPTION GIVEN,PAIRS=PGC'S   |                             |
| <b>NGC 5887</b>       |           | <b>Galaxy (R')SA(s)0+:</b>   | <b>PF,PS,GBM</b>            |
| Apr 07 2008 31"       | 17mmT4    | VF,PS,OVAL,FSNUC,PAIR=PGC54424,R=F   |                             |
| <b>NGC 5904</b>       | <b>M5</b> | <b>Globular</b>  | <b>GCL,VB,L,ECM,*11..15</b> |
| Mar 16 2010 31"       | 17mmT4    | (Class V),EB,EL,FILLS FOV,RSLV TO CORE,HUNDREDS OF *'S,NICE TIGHT NUC,AV RESOLVES MORE *'S,R=E |                             |
| Mar 19 2004 12.5"     | 12mmT4    | MESSIER MARATHON 2004  |                             |
| May 31 1981 12.5"     | 16mm      | EB,EL  |                             |

## Serpens - The Serpent

|                   |               |  |                             |
|-------------------|---------------|--|-----------------------------|
| <b>NGC 5904</b>   | <b>M5</b>     | <b>Globular</b>                                  | <b>GCL,VB,L,ECM,*11..15</b> |
| Mar 27 1981 12.5" | 24mm          | MESSIER MARATHON 1981                            |                             |
| Jul 11 1980 12.5" | 24mm          |  |                             |
| Jun 18 1980 12.5" | 24mm          |  |                             |
| Jun 10 1980 6"    | 24mm          |  |                             |
| <b>NGC 5910</b>   | <b>H400-2</b> | <b>Galaxy E?</b>                                 | <b>VF,S,ER</b>              |
| Apr 07 2008 31"   | 17mmT4        | PF,PS,OVAL,FSNUC,HICKSON 74,R=F                  |                             |
| <b>NGC 5911</b>   |               | <b>Galaxy S0</b>                                 | <b>VF,VS,2S*INV</b>         |
| Apr 07 2008 31"   | 17mmT4        | MF,MS,OVAL,FLNUC,PAIR=PGC54734,R=F               |                             |
| <b>NGC 5913</b>   | <b>H374-3</b> | <b>Galaxy SB(r)a</b>                             | <b>VF,PL,VLE,R</b>          |
| Apr 07 2008 31"   | 17mmT4        | EDIF,EF,PL,PATCH,UB,NND,LOC IN BARRON FOV,R=P    |                             |
| <b>NGC 5919</b>   |               | <b>Galaxy</b>                                    | <b>EEF,PS,LE,NP OF 2</b>    |
| May 28 2008 31"   | 17mmT4        | PF,MS,EL,PATCH,UB,VFSNUC,MANY OTHERS PRESENT,R=F |                             |
| <b>NGC 5920</b>   |               | <b>Galaxy S0:</b>                                | <b>EEF,PS,LE,SF OF 2</b>    |
| May 28 2008 31"   | 17mmT4        | MF,MS,OVAL,PATCH,UB,NND,MANY OTHERS PRESENT,R=F  |                             |
| <b>NGC 5921</b>   | <b>H148-1</b> | <b>Galaxy SB(r)bc</b>                            | <b>CB,CL,IR,VSBM*12,AM*</b> |
| May 31 1981 12.5" | 16mm          | DIF,MB,ML,ELDNUC,DIM HALO,13* IN GLXY            |                             |
| <b>NGC 5926</b>   |               | <b>Galaxy S?</b>                                 | <b>F,VS,2ST NR</b>          |
| May 28 2008 31"   | 17mmT4        | MB,ML,OVAL,UB,NND,SHISB,PAIR=PGC54946,R=G        |                             |
| <b>NGC 5928</b>   | <b>H874-2</b> | <b>Galaxy S0</b>                                 | <b>PB,CS,R,PSBM,*7N</b>     |
| May 28 2008 31"   | 17mmT4        | PB,ML,R,BLNUC,GMBM,HISB CNTR,R=G                 |                             |
| <b>NGC 5931</b>   |               | <b>Galaxy S0</b>                                 | <b>EF,PL,R</b>              |
| May 28 2008 31"   | 17mmT4        | MB,MS,OVAL,UB,SHISB,PAIR=MAC,R=G                 |                             |
| May 28 2008 31"   | 17mmT4        | MF,PS,PATCH,UB,NND,PAIR=MAC,R=F                  |                             |
| <b>NGC 5936</b>   | <b>H130-2</b> | <b>Galaxy SB(rs)b</b>                            | <b>F,PL,IR,VGBM,R</b>       |
| May 31 1981 12.5" | 16mm          | DIF,MF,MS,DIM HALO                               |                             |
| <b>NGC 5937</b>   | <b>H401-2</b> | <b>Galaxy (R')SAB(rs)b p</b>                     | <b>PB,PS,R,VGBM,3ST F</b>   |
| Jun 01 2008 31"   | 17mmT4        | MB,PL,OVAL,PATCH,UB,NND,SHISB,VF* OFF NUC,R=G    |                             |
| <b>NGC 5940</b>   |               | <b>Galaxy SBab</b>                               | <b>EF,PS,R,F*P,1ST OF 4</b> |
| May 28 2008 31"   | 17mmT4        | MB,ML,R,FSNUC,R=G                                |                             |
| Apr 09 2008 31"   | 17mmT4        | MB,MS,OVAL,FLNUC,R=F                             |                             |
| <b>NGC 5941</b>   |               | <b>Galaxy S0?</b>                                | <b>EEF,S,R,2ND OF 4</b>     |
| May 28 2008 31"   | 17mmT4        | MF,MS,EL,PATCH,BLNUC,OTHERS PRESENT,R=F          |                             |
| Apr 09 2008 31"   | 17mmT4        | PF,PS,OVAL,FSNUC,PAIRS=NGC'S/PGC'S,R=F           |                             |

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|                   |        |  |                         |
|-------------------|--------|--|-------------------------|
| <b>NGC 5942</b>   |        | <b>Galaxy E?</b>   | <b>EEF,S,R,3RD OF 4</b> |
| May 28 2008 31"   | 17mmT4 | MF,MS,EL,PATCH,BLNUC,OTHERS PRESENT,R=F                          |                         |
| Apr 09 2008 31"   | 17mmT4 | PF,PS,PATCH,UB,NND,PAIRS=NGC'S/PGC'S,R=F                         |                         |
| <b>NGC 5944</b>   |        | <b>Galaxy S?</b>   | <b>EEF,S,R,4TH OF 4</b> |
| May 28 2008 31"   | 17mmT4 | MF,MS,EL,PATCH,BLNUC,OTHERS PRESENT,R=F                          |                         |
| Apr 09 2008 31"   | 17mmT4 | PF,PS,PATCH,UB,NND,PAIRS=NGC'S/PGC'S,R=F                         |                         |
| <b>NGC 5951</b>   |        | <b>H654-2 Galaxy SBc: sp</b>                                     | <b>F,PS,E150</b>        |
| May 28 2008 31"   | 17mmT4 | MB,VL,EDGE ON,UB,NND,NO CNTR BULGE,TAPERED ENDS,R=G              |                         |
| <b>NGC 5952</b>   |        | <b>Galaxy S0</b>   | <b>EF,VS,ALMSTELL</b>   |
| May 28 2008 31"   | 17mmT4 | PF,PS,OVAL,FSNUC,R=F   |                         |
| <b>NGC 5953</b>   |        | <b>H178-2 Galaxy SAa: pec</b>                                    | <b>PB,CS,P OF D NEB</b> |
| May 28 2008 31"   | 17mmT4 | PB,ML,R,BLNUC,GBMB,HISB CNTR,F* OFF EDGE,COMP=5954,E PAIR,R=G    |                         |
| Apr 26 2006 31"   | 17mmT4 | MB,MS,R,BSNUC,F* OFF ONE SIDE,MHISB CNTR,BM,PAIR=5954,R=G        |                         |
| <b>NGC 5954</b>   |        | <b>H179-2 Galaxy SAB(rs)cd: pec</b>                              | <b>PB,CS,F OF D NEB</b> |
| May 28 2008 31"   | 17mmT4 | MB,PL,EL,PATCH,UB,MHISB,COMP=5953,E PAIR,R=G                     |                         |
| Apr 26 2006 31"   | 17mmT4 | MF,MS,PATCH,UB,NND,MHISB,PAIR=5953,R=G                           |                         |
| <b>NGC 5955</b>   |        | <b>Galaxy Sb-Sbc</b>   | <b>EF,VS,STELLAR</b>    |
| May 28 2008 31"   | 17mmT4 | MF,MS,OVAL,FLNUC,PAIR=PGC55516,R=F                               |                         |
| <b>NGC 5956</b>   |        | <b>Galaxy Scd?</b>   | <b>F,S,R,*16CLOSE F</b> |
| May 28 2008 31"   | 17mmT4 | PB,MS,R,BLNUC,MB,HISB CNTR,R=G                                   |                         |
| <b>NGC 5957</b>   |        | <b>Galaxy (R')SAB(r)b</b>  | <b>PB,PL,COM,LBM</b>    |
| May 28 2008 31"   | 17mmT4 | MF,ML,OVAL-R,FLNUC,VF*OFF EDGE,F* OFF SIDE,FHALO SUR NUC,R=G     |                         |
| <b>NGC 5960</b>   |        | <b>Galaxy Sb</b>   | <b>VF,S,NEB*</b>        |
| May 28 2008 31"   | 17mmT4 | MF,MS,R,FLNUC,R=F  |                         |
| <b>NGC 5962</b>   |        | <b>H96-2 Galaxy SA(r)c</b>                                       | <b>PF,PL,ILE,GBM</b>    |
| May 31 1981 12.5" | 16mm   | DIF,PB,MS,F HALO   |                         |
| <b>NGC 5964</b>   |        | <b>Galaxy SB(rs)d</b>  | <b>EF,VL,R,VGBM,R</b>   |
| May 28 2008 31"   | 17mmT4 | DIF,MF,VL,NND,PATCHY AREAS,SVRL F*'S IN AND SUR GLXY,R=F         |                         |
| Apr 06 2008 31"   | 17mmT4 | PF,VL,OVAL-R,PATCHY,SVRL H2 RGN,FACE ON,R=F                      |                         |
| <b>NGC 5970</b>   |        | <b>H76-2 Galaxy SB(r)c</b>                                       | <b>PF,PL,R,RR</b>       |
| Jun 01 2008 31"   | 17mmT4 | VB,VL,EL-OVAL,BLNUC,HISB,MBM,B BAR ACCROSS NUC,PAIR=PGC55664,R=G |                         |
| May 31 1981 12.5" | 16mm   | DIF,MB,PS,F HALO   |                         |
| <b>NGC 5972</b>   |        | <b>Galaxy S0/a</b>   | <b>F,PS,IRRR</b>        |
| Apr 06 2008 31"   | 17mmT4 | MF,MS,R,FLNUC,MHISB CNTR,R=F                                     |                         |

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|                   |        |  |                             |
|-------------------|--------|--|-----------------------------|
| <b>NGC 5975</b>   |        | <b>Galaxy S?</b>   | <b>VF,VS,IRRR,SEVVF*INV</b> |
| Apr 06 2008 31"   | 17mmT4 | MF,MS,EL,UB,NND,MHISB,PAIR=PGC55749,R=F                        |                             |
| <b>NGC 5977</b>   |        | <b>Galaxy SB0</b>  | <b>EF,S,R,LBM</b>           |
| Apr 06 2008 31"   | 17mmT4 | PF,MS,R,FLNUC,PAIR=PGC55784,R=F                                |                             |
| <b>NGC 5980</b>   |        | <b>H655-2 Galaxy S</b>   | <b>F,PS,E0</b>              |
| Apr 06 2008 31"   | 17mmT4 | MB,ML,EL,MHISB,PATCHY AREAS DET,R=G                            |                             |
| <b>NGC 5983</b>   |        | <b>Galaxy E</b>  | <b>EF,ES,R,VLBM</b>         |
| Apr 06 2008 31"   | 17mmT4 | MF,PS,R,FLNUC,R=F  |                             |
| <b>NGC 5984</b>   |        | <b>H656-2 Galaxy SB(rs)d:</b>                                  | <b>PB,S,E135,BM</b>         |
| May 31 1981 12.5" | 16mm   | DIF,VF,ML,EL,F HALO  |                             |
| <b>NGC 5988</b>   |        | <b>Galaxy Scd:</b>   | <b>EEF,PS,R,F*NR N</b>      |
| Apr 06 2008 31"   | 17mmT4 | PF,PS,PATCH,UB,* V CLOSE BY,R=P                                |                             |
| <b>NGC 5990</b>   |        | <b>H425-2 Galaxy (R')Sa pec?</b>                               | <b>VF,VS,R,GBM</b>          |
| Apr 06 2008 31"   | 17mmT4 | MB,ML,BLNUC,HISB CNTR,GRADUALLY BM,PAIR=PGC55992,R=G           |                             |
| <b>NGC 5991</b>   |        | <b>Galaxy S</b>  | <b>PF,S,R,MBM</b>           |
| Apr 06 2008 31"   | 17mmT4 | MB,MS,R,FLNUC,MHISB CNTR,R=F                                   |                             |
| <b>NGC 5994</b>   |        | <b>Galaxy SB?</b>  | <b>S,SP 5994</b>            |
| Apr 06 2008 31"   | 17mmT4 | VF,VS,PATCH,NND,PAIR=5996,R=P                                  |                             |
| Apr 26 2006 31"   | 17mmT4 | PF,PS,PATCH,UB,NND,PAIR=5996,R=F                               |                             |
| <b>NGC 5996</b>   |        | <b>H97-2 Galaxy S?</b>   | <b>PF,CS,R,R,BET 2D*</b>    |
| Apr 06 2008 31"   | 17mmT4 | MB,MS,OVAL,BSNUC,BAR LIKE NUC,PAIR=5994,R=G                    |                             |
| Apr 26 2006 31"   | 17mmT4 | MF,MS,OVAL,FSNUC,COMPACT NUC,BAR DET,FARMS FROM END OF BAR,R=G |                             |
| <b>NGC 5997</b>   |        | <b>Galaxy C</b>  | <b>EF,EES,STELL</b>         |
| Jun 01 2008 31"   | 17mmT4 | PF,PS,OVAL,FLNUC,F* OFF SIDE,R=F                               |                             |
| <b>NGC 6003</b>   |        | <b>Galaxy S0?</b>  | <b>F,VS,S*INV</b>           |
| Jun 01 2008 31"   | 17mmT4 | MB,PS,R,BLNUC,MHISB CNTR,ALM GOOD RATING,R=F                   |                             |
| <b>NGC 6004</b>   |        | <b>Galaxy SAB(rs)bc</b>  | <b>VF,PL,LE,LBM</b>         |
| Jun 01 2008 31"   | 17mmT4 | MF,ML,OVAL,FSNUC,PATCHY ARMS,GRADUALLY BM,ARMS SUSP,R=F        |                             |
| <b>NGC 6006</b>   |        | <b>Galaxy Pair</b>   | <b>VF,S</b>                 |
| Jun 01 2008 31"   | 17mmT4 | PF,PS,OVAL,UB,NND,PAIRS=6007/6009,R=F                          |                             |
| <b>NGC 6007</b>   |        | <b>Galaxy SABbc:</b>   | <b>F,PL</b>                 |
| Jun 01 2008 31"   | 17mmT4 | MB,PL,OVAL,PATCH,UB,NND,SHISB,PAIRS=6009/6006,R=G              |                             |

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|                  |        |  |                            |
|------------------|--------|--|----------------------------|
| <b>NGC 6008</b>  |        | <b>Galaxy SBb</b>  | <b>VF,R,PL,BM</b>          |
| Jun 01 2008 31"  | 17mmT4 | MB,ML,OVAL,PATCHY,NND,PAIR=PGC56301,R=G                                |                            |
| <b>NGC 6009</b>  |        | <b>Galaxy</b>  | <b>F,VS,STELL</b>          |
| Jun 01 2008 31"  | 17mmT4 | MF,PS,OVAL,BSNUC,*NUC,PAIRS=6007/6006,R=F                              |                            |
| <b>NGC 6010</b>  |        | <b>H583-2 Galaxy S0/a: sp</b>  | <b>PF,S,E90,GBM,R</b>      |
| Jun 01 2008 31"  | 17mmT4 | MB,ML,EDGE ON,BLNUC,TAPERED ENDS,MHISB CNTR,SBM,CNTR BULGE,R=G         |                            |
| <b>NGC 6012</b>  |        | <b>H657-2 Galaxy (R)SB(r)ab:</b>                                       | <b>F,BET 2B ST</b>         |
| Jun 01 2008 31"  | 17mmT4 | PB,PL,PATCH,NND,SHISB,PATCHY ARMS,R=G                                  |                            |
| <b>NGC 6014</b>  |        | <b>Galaxy S0</b>   | <b>PB,PL,E</b>             |
| Jun 01 2008 31"  | 17mmT4 | MB,ML,OVAL,BNUC,TIGHT BNUC,LNUC AREA,F* OFF SIDE,H2 PATCH ONE SIDE,R=G |                            |
| <b>NGC 6017</b>  |        | <b>Galaxy S?</b>   | <b>VF,VS,R,DISC,G,SMBM</b> |
| Jun 01 2008 31"  | 17mmT4 | MB,MS,EL-OVAL,BLNUC,MHISB CNTR,R=G                                     |                            |
| <b>NGC 6018</b>  |        | <b>H646-3 Galaxy (R)SAB(s)0+:</b>                                      | <b>VF,S,LE,P OF 2</b>      |
| Jun 01 2008 31"  | 17mmT4 | MB,MS,EL-OVAL,SHISB,B* IN GLXY,PAIR=6021,R=F                           |                            |
| <b>NGC 6020</b>  |        | <b>Galaxy E</b>  | <b>EF,ES,IR,LBM</b>        |
| Jun 01 2008 31"  | 17mmT4 | MB,MS,R,BLNUC,HISB CNTR,BM,GMBM,R=G                                    |                            |
| <b>NGC 6021</b>  |        | <b>H73-3 Galaxy E+</b>   | <b>EF,VS,LE,F OF 2</b>     |
| Jun 01 2008 31"  | 17mmT4 | MB,MS,R,BLNUC,HISB CNTR,PAIR=6018,R=G                                  |                            |
| <b>NGC 6022</b>  |        | <b>Galaxy (R')SB(s)bc</b>  | <b>EF,ES</b>               |
| Jun 01 2008 31"  | 17mmT4 | VF,PS,PATCH,UB,NND,PAIR=6023,R=P                                       |                            |
| <b>NGC 6023</b>  |        | <b>Galaxy E</b>  | <b>F,S,R,BM</b>            |
| Jun 01 2008 31"  | 17mmT4 | MF,MS,OVAL,LNUC,BM,PAIR=6022,R=F                                       |                            |
| <b>NGC 6027</b>  |        | <b>Galaxy S0 pec</b>   | <b>EF,VF*INV,2VF ST NR</b> |
| Jun 01 2008 31"  | 17mmT4 | PF,MS,EL-EDGE ON,TOUCH=6027B,BNUC,HICKSON CL,R=F                       |                            |
| <b>NGC 6027A</b> |        | <b>Galaxy Sa pec</b>   |                            |
| Jun 01 2008 31"  | 17mmT4 | PF,MS,OVAL,NND,HICKSON CL,R=G  |                            |
| <b>NGC 6027B</b> |        | <b>Galaxy S0 pec</b>   |                            |
| Jun 01 2008 31"  | 17mmT4 | PF,MS,EL,NND,HICKSON CL,TOUCH=6027,R=F                                 |                            |
| <b>NGC 6027C</b> |        | <b>Galaxy SB(s)c? sp</b>   |                            |
| Jun 01 2008 31"  | 17mmT4 | EF,VS,EL,UB,NND,AV COMES AND GOES,EDGE TOUCH=6027E,COMP=6027D,R=P      |                            |
| <b>NGC 6027D</b> |        | <b>Galaxy S?</b>   |                            |
| Jun 01 2008 31"  | 17mmT4 | EF,ES,OVAL,UB,AV COMES AND GOES,JUST BARELY SEP FROM 6027C,HICKSON,R=P |                            |

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|                   |        |  |                             |
|-------------------|--------|--|-----------------------------|
| <b>NGC 6027E</b>  |        | <b>Galaxy S0?</b>  |                             |
| Jun 01 2008 31"   | 17mmT4 | EF,VS,EL,UB,AV COMES AND GOES,EDGE TOUCH=6027C,HICKSON,R=P             |                             |
| <b>NGC 6029</b>   |        | <b>Galaxy Compact</b>  | <b>VF,VS</b>                |
| Jun 01 2008 31"   | 17mmT4 | MF,PS,OVAL,BSNUC,R=F   |                             |
| <b>NGC 6033</b>   |        | <b>Galaxy SA(s)bc?</b>   | <b>VF NEB*</b>              |
| Jun 24 2022 36"   | 17mmT4 | MB,PS,OVAL,LFNUC,R=F   |                             |
| <b>NGC 6036</b>   |        | <b>Galaxy S0/a</b>   | <b>VF,VS,R,STELL</b>        |
| Jun 24 2022 36"   | 17mmT4 | MB,MS,EL,LBNUC,F* OFF TIP(N),GMBM,MOD HISB MID,PAIR=N6037,R=FG         |                             |
| <b>NGC 6037</b>   |        | <b>Galaxy S?</b>   | <b>VF,S</b>                 |
| Jun 24 2022 36"   | 17mmT4 | PF,MS,PATCH,NND,PAIR=N6036,R=PF  |                             |
| <b>NGC 6051</b>   |        | <b>Galaxy E</b>  | <b>F,S,R,GBMN,*10SF</b>     |
| Jun 24 2022 36"   | 17mmT4 | MB,MS,R,LBNUC,MHISB,MBM,PAIRS=PGC'S,R=FG                               |                             |
| <b>NGC 6063</b>   |        | <b>Galaxy Scd:</b>   | <b>F,PL,R,VLBM</b>          |
| Jun 24 2022 36"   | 17mmT4 | PF,PL,OVAL-R,PATCH,UB,NND,R=F  |                             |
| <b>NGC 6065</b>   |        | <b>Galaxy S0</b>   | <b>EEF,VS,R,SP OF 2</b>     |
| Jun 24 2022 36"   | 17mmT4 | MB,MS,R,SBNUC,F*W EDGE,GMBM,PAIRS=N6066/P57223,R=F                     |                             |
| <b>NGC 6066</b>   |        | <b>Galaxy</b>  | <b>EEF,VS,R,2PB*NR,NF-2</b> |
| Jun 24 2022 36"   | 17mmT4 | MF,MS,OVAL,LFNUC,GBM,PAIRS=N6065/p57223,R=PF                           |                             |
| <b>NGC 6070</b>   |        | <b>H553-3</b>  | <b>Galaxy SA(s)cd</b>       |
| May 31 1981 12.5" | 16mm   | DIF,PB,PL,EL,B HALO  | <b>F,L,PME,VGBM,R</b>       |
| <b>NGC 6080</b>   |        | <b>Galaxy SA(s)ab?</b>   | <b>PB,PS,R,MBM</b>          |
| Jun 24 2022 36"   | 17mmT4 | MB,MS,OVAL-R,SBNUC,MINI M51,F HALO,SHISB MID,PART OR COMP ON EDGE,R=FG |                             |
| <b>NGC 6100</b>   |        | <b>Galaxy (R)SAB(r)a:</b>  | <b>EEF,VS,EEF*CLOSE P</b>   |
| Jun 24 2022 36"   | 17mmT4 | MB,PS,EL,SFNUC,SHISB,VF* IN EDGE OF GAL,R=F                            |                             |
| <b>NGC 6118</b>   |        | <b>H402-2</b>  | <b>Galaxy SA(s)cd</b>       |
| May 31 1981 12.5" | 16mm   | DIF,VB,ML,F HALO   | <b>VF,CL,CE45,R</b>         |
| <b>NGC 6172</b>   |        | <b>Galaxy E+:</b>  | <b>VF,ES,R,BM</b>           |
| Jun 24 2022 36"   | 17mmT4 | MB,PS,OVAL,LBNUC,SMWHT,GRAN HALO,MHISB MID,R=F                         |                             |
| <b>NGC 6535</b>   |        | <b>Globular</b>  | <b>PF,VS,VSNEB*P</b>        |
| Jul 01 2019 36"   | 17mmT4 | (Class XI),MB,ML,*S RSLV,NOT MUCH OF A CNTR CORE,R=G                   |                             |
| May 31 1981 12.5" | 24mm   | PF,ML  |                             |
| <b>NGC 6539</b>   |        | <b>Globular</b>  | <b>NO DESCRIPT</b>          |

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|                   |            |  |                             |
|-------------------|------------|--|-----------------------------|
| <b>NGC 6539</b>   |            | <b>Globular</b>  | <b>NO DESCRIPT</b>          |
| Jul 01 2019 36"   | 17mmT4     | (Class XI),MB,VL,LF NUC,SMWHT BARREN FOV,OUTER *S RSLV,R=G   |                             |
| May 31 1981 12.5" | 24mm       | PB,PL  |                             |
| <b>NGC 6604</b>   |            | <b>H15-8</b>   | <b>Open Cluster I 3 m n</b> |
| May 12 2021 36"   | 31mmT5     | (II 3 m n),PB,ML,B* IN CNTR,VAR MAG,CL DET,W/OIII,NEB DET MOSTLY SUR B CNTR *,WISPS OF NEB,(3:56am),R=FG   | <b>CL,LRI,LC</b>            |
| Sep 04 2002 12.5" | 24mm       | VP,PL,*S DIFF MAG,FEW B*S WITH F BG GLOW   |                             |
| <b>NGC 6605</b>   |            | <b>Open Cluster asterism</b>   | <b>CL,LRI,LC,ST10...12</b>  |
| Jun 24 2022 36"   | 31mmT5     | ((IV 3 r),EB,EL,FILLS FOV,LOOSELY SC,*S VAR MAG,NO CL DET,(1:52am),R=P   |                             |
| <b>NGC 6611</b>   | <b>M16</b> | <b>Open Cluster II 3 m n</b>   | <b>CL,ATLEAST100* L\$\$</b> |
| Sep 11 2012 36"   | 31mmT5     | EB,EL,W/OIII,CL ~12*S OFF ONE SIDE,VAR MAG,LOOSELY GRP,2 WINGS GAS EXTENDING ACCROS FOV,DARK DUST EMBLEM OF EAGLE IN CNTR LOOKS MORE LIKE MAPLE LEAF,OIII HELPS V MUCH,FINER DETAIL,R=EE |                             |
| Mar 22 2004 12.5" | 12mmT4     | MESSIER MARATHON 2004  |                             |
| May 31 1981 12.5" | 16mm       | VB,EL,CL ASSOC WITH EAGLE NEB  |                             |
| Mar 27 1981 12.5" | 24mm       | MESSIER MARATHON 1981  |                             |
| Jun 18 1980 12.5" | 24mm       |  |                             |
| Jun 17 1980 12.5" | 24mm       |  |                             |
| Jun 10 1980 6"    | 24mm       |  |                             |
| <b>PAL 5</b>      |            | <b>Globular</b>  |                             |
| Jun 25 2019 36"   | 17mmT4     | (Class X),EF,PS,COULD ONLY SEE A VFEW VF*S,LOC GOOD,ON TOP OF OBJ,R=P  |                             |
| <b>PGC 54262</b>  |            | <b>Galaxy Sd sp</b>  |                             |
| May 30 2014 36"   | 17mmT4     | EF,MS,EDGE ON,NND,PA-45,VF* ONE SIDE IN TIP,AV TOOK A WHILE,HOLDS,R=P  |                             |
| <b>PGC 54327</b>  |            | <b>Galaxy S</b>  |                             |
| Apr 07 2008 31"   | 17mmT4     | PF,PS,OVAL,UB,NND,PAIR=IC1105,R=F  |                             |
| <b>PGC 54372</b>  |            | <b>Galaxy</b>  |                             |
| Apr 07 2008 31"   | 17mmT4     | PF,PS,PATCH,UB,NND,R=P   |                             |
| <b>PGC 54424</b>  |            | <b>Galaxy Sc</b>   |                             |
| Apr 07 2008 31"   | 17mmT4     | EF,VS,PATCH,UB,NND,PAIR=5887,R=P   |                             |
| <b>PGC 54486</b>  |            | <b>Galaxy</b>  |                             |
| Mar 17 2010 31"   | 17mmT4     | VF,PS,PATCH,UB,NND,V CLOSE COMP=PGC54487,AGC 2052,R=P  |                             |
| <b>PGC 54487</b>  |            | <b>Galaxy</b>  |                             |
| Mar 17 2010 31"   | 17mmT4     | VF,PS,PATCH,UB,NND,V CLOSE COMP=PGC54486,AGC 2052,R=P  |                             |
| <b>PGC 54493</b>  |            | <b>Galaxy SBdm:</b>  |                             |
| Mar 17 2010 31"   | 17mmT4     | MF,MS,OVAL,UB,NND,R=F  |                             |
| <b>PGC 54497</b>  |            | <b>Galaxy</b>  |                             |

## Serpens - The Serpent

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| <b>PGC 54497</b> |        | <b>Galaxy</b>  |
| Mar 17 2010 31"  | 17mmT4 | VF,VS,PATCH,NND,AGC 2052,R=F   |
| <b>PGC 54507</b> |        | <b>Galaxy</b>  |
| Mar 17 2010 31"  | 17mmT4 | VF,VS,PATCH,AGC 2052,R=F   |
| <b>PGC 54508</b> |        | <b>Galaxy</b>  |
| Mar 17 2010 31"  | 17mmT4 | EF,VS,PATCH,TOOK AV A WHILE TO FIND THEN HOLDS,AGC 2052,R=P          |
| <b>PGC 54511</b> |        | <b>Galaxy</b>  |
| Mar 17 2010 31"  | 17mmT4 | VF,VS,PATCH,AGC 2052,R=F   |
| <b>PGC 54513</b> |        | <b>Galaxy</b>  |
| Mar 17 2010 31"  | 17mmT4 | PF,PS,PATCH,UB,NND,AGC 2052,R=F                                      |
| <b>PGC 54514</b> |        | <b>Galaxy</b>  |
| Mar 17 2010 31"  | 17mmT4 | EF,VS,PATCH,TOOK A WHILE,ALM *,AGC 2052,R=P                          |
| <b>PGC 54521</b> |        | <b>Galaxy</b>  |
| Mar 17 2010 31"  | 17mmT4 | VF,VS,PATCH,AV FIRST THEN HOLDS,AGC 2052,R=P                         |
| <b>PGC 54524</b> |        | <b>Galaxy</b>  |
| Mar 17 2010 31"  | 17mmT4 | EF,VS,PATCH,AV FIRST THEN HOLDS,AGC 2052,R=P                         |
| <b>PGC 54525</b> |        | <b>Galaxy</b>  |
| Mar 17 2010 31"  | 17mmT4 | VF,VS,PATCH,FVSNUC,AGC 2052,R=P                                      |
| <b>PGC 54526</b> |        | <b>Galaxy E</b>  |
| Mar 17 2010 31"  | 17mmT4 | MF,MS,PATCH,UB,NND,CLOSE COMP=PGC54528,AGC 2052,R=F                  |
| <b>PGC 54528</b> |        | <b>Galaxy</b>  |
| Mar 17 2010 31"  | 17mmT4 | MF,MS,PATCH,UB,NND,CLOSE COMP=PGC54526,AGC 2052,R=F                  |
| <b>PGC 54530</b> |        | <b>Galaxy</b>  |
| Mar 17 2010 31"  | 17mmT4 | EF,VS,PATCH,TOOK AV A WHILE TO HOLD,AGC 2052,R=P                     |
| <b>PGC 54533</b> |        | <b>Galaxy</b>  |
| Mar 17 2010 31"  | 17mmT4 | MF,MS,OVAL,UB,NND,SHISB,AGC 2052,R=F                                 |
| <b>PGC 54540</b> |        | <b>Galaxy SB(s)cd</b>  |
| Mar 17 2010 31"  | 17mmT4 | EF,ES,PATCH,AV ONLY A FEW TIMES,COMES AND GOES,TOUCH F*,AGC 2052,R=P |
| <b>PGC 54546</b> |        | <b>Galaxy</b>  |
| Mar 17 2010 31"  | 17mmT4 | VF,VS,PATCH,B* JUST OFF EDGE,AGC 2052,R=F                            |
| <b>PGC 54547</b> |        | <b>Galaxy</b>  |
| Mar 17 2010 31"  | 17mmT4 | EF,VS,PATCH,AV HOLDS,AGC 2052,R=P                                    |

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| <b>PGC 54550</b> |        | <b>Galaxy SB(s)cd</b>  |
| Mar 17 2010 31"  | 17mmT4 | PF,MS,PATCH,UB,NND,AGC 2052,R=F  |
| <b>PGC 54554</b> |        | <b>Galaxy</b>  |
| Mar 17 2010 31"  | 17mmT4 | VF,VS,PATCH,NND,F* OFF EDGE,AGC 2052,R=P                                 |
| <b>PGC 54555</b> |        | <b>Galaxy S0</b>   |
| Mar 17 2010 31"  | 17mmT4 | VF,PS,PATCH,UB,NND,AGC 2052,R=F  |
| <b>PGC 54563</b> |        | <b>Galaxy</b>  |
| Mar 17 2010 31"  | 17mmT4 | VF,VS,PATCH,UB,NND,AGC 2052,R=P  |
| <b>PGC 54572</b> |        | <b>Galaxy</b>  |
| Apr 07 2008 31"  | 17mmT4 | EF,VS,PATCH,COMES AND GOES WITH AV,R=P                                   |
| <b>PGC 54688</b> |        | <b>Galaxy E?</b>   |
| Apr 07 2008 31"  | 17mmT4 | PF,PS,OVAL,PATCH,UB,NND,HICKSON 74,R=F                                   |
| <b>PGC 54692</b> |        | <b>Galaxy E</b>  |
| Apr 07 2008 31"  | 17mmT4 | EF,ES,NND,BURRIED AMONG 5910,CANNOT DET TOO CLOSE TO 5910,HICKSON 74,R=P |
| <b>PGC 54694</b> |        | <b>Galaxy S</b>  |
| Apr 07 2008 31"  | 17mmT4 | NO DETECTION,LOC GOOD,HICKSON 74,R=P                                     |
| <b>PGC 54697</b> |        | <b>Galaxy S</b>  |
| Apr 07 2008 31"  | 17mmT4 | VF,ES,PATCH,UB,NND,AV COMES AND GOES,HICKSON 74,R=P                      |
| <b>PGC 54734</b> |        | <b>Galaxy</b>  |
| Apr 07 2008 31"  | 17mmT4 | VF,PS,EL,PATCH,UB,NND,PAIR=5911,R=P                                      |
| <b>PGC 54802</b> |        | <b>Galaxy L</b>  |
| Apr 09 2008 31"  | 17mmT4 | EF,ES,AV,SUSP,CANNOT SEP THE TWO,APPEAR AS ONE,COMP=PGC54804,R=P         |
| <b>PGC 54803</b> |        | <b>Galaxy S</b>  |
| Apr 09 2008 31"  | 17mmT4 | PF,PS,EL-OVAL,UB,NND,SHISB,CANNOT SEP COMP=PGC54804,R=F                  |
| <b>PGC 54804</b> |        | <b>Galaxy E?</b>   |
| Apr 09 2008 31"  | 17mmT4 | PF,PS,EL-OVAL,UB,NND,CANNOT SEP,APPEAR AS ONE,COMP=PGC54802,R=F          |
| <b>PGC 54814</b> |        | <b>Galaxy</b>  |
| May 28 2008 31"  | 17mmT4 | PF,VS,OVAL,PATCH,UB,NND,R=F  |
| <b>PGC 54818</b> |        | <b>Galaxy S</b>  |
| Apr 09 2008 31"  | 17mmT4 | VF,VS,PATCH,UB,NND,PAIRS=PGC'S,R=P                                       |
| <b>PGC 54824</b> |        | <b>Galaxy S</b>  |
| Apr 09 2008 31"  | 17mmT4 | VF,VS,PATCH,UB,NND,PAIRS=PGC'S,R=P                                       |

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|                  |        |   |
|------------------|--------|---|
| <b>PGC 54826</b> |        | <b>Galaxy SB(rs)a pec</b>   |
| May 28 2008 31"  | 17mmT4 | EF,ES,OVAL,PATCH,UB,NND,MANY OTHERS PRESENT,R=P                                     |
| <b>PGC 54827</b> |        | <b>Galaxy S?</b>  |
| Apr 09 2008 31"  | 17mmT4 | VF,VS,PATCH,UB,NND,PAIRS=PGC'S,R=P  |
| <b>PGC 54832</b> |        | <b>Galaxy SB(r)b</b>  |
| May 28 2008 31"  | 17mmT4 | DIF,VF,MS,PATCH,UB,NND,VF* EDGE,B* CLOSE BY,PAIRS=IC1116/MAC'S,R=P                  |
| <b>PGC 54838</b> |        | <b>Galaxy</b>   |
| May 28 2008 31"  | 17mmT4 | PF,PS,PATCH,UB,NND,MANY OTHERS PRESENT,R=F  |
| <b>PGC 54871</b> |        | <b>Galaxy</b>   |
| May 09 2010 31"  | 17mmT4 | VF,VS,EL,PATCH,NND,PAIRS=MAC'S,ALL 3 LOOK LIKE ONE ,EL GLXY,CANNOT SEP,AGC 2063,R=P |
| <b>PGC 54872</b> |        | <b>Galaxy</b>   |
| May 09 2010 31"  | 17mmT4 | VF,VS,PATCH,AV FIRST THEN HOLDS,NND,AGC 2063,R=P                                    |
| <b>PGC 54893</b> |        | <b>Galaxy</b>   |
| May 09 2010 31"  | 17mmT4 | PF,PS,PATCH,FSNUC,AGC 2063,R=F  |
| <b>PGC 54896</b> |        | <b>Galaxy</b>   |
| May 09 2010 31"  | 17mmT4 | PF,PS,PATCH,FSNUC,AGC 2063,R=F  |
| <b>PGC 54903</b> |        | <b>Galaxy S</b>   |
| May 09 2010 31"  | 17mmT4 | VF,VS,PATCH,TOOK AV A WHILE THEN HOLDS,AGC 2063,R=P                                 |
| <b>PGC 54912</b> |        | <b>Galaxy</b>   |
| May 09 2010 31"  | 17mmT4 | PF,PS,PATCH,FSNUC,AGC 2063,R=F  |
| <b>PGC 54913</b> |        | <b>Galaxy S?</b>  |
| May 09 2010 31"  | 17mmT4 | MF,MS,OVAL,FLNUC,JUST BARELY TOUCH=PGC54914,AGC 2063,R=F                            |
| <b>PGC 54914</b> |        | <b>Galaxy</b>   |
| May 09 2010 31"  | 17mmT4 | VF,ES,PATCH,NND,TOOK AV A WHILE THEN HOLDS,JUST BARELY TOUCH=PGC54913,AGC 2063,R=P  |
| <b>PGC 54920</b> |        | <b>Galaxy S</b>   |
| May 09 2010 31"  | 17mmT4 | VF,VS,OVAL,FSNUC,AGC 2063,R=F   |
| <b>PGC 54921</b> |        | <b>Galaxy</b>   |
| May 09 2010 31"  | 17mmT4 | VF,VS,OVAL,PATCH,NND,AGC 2063,R=F   |
| <b>PGC 54927</b> |        | <b>Galaxy</b>   |
| May 09 2010 31"  | 17mmT4 | PF,VS,OVAL,FSNUC,AGC 2063,R=F   |
| <b>PGC 54934</b> |        | <b>Galaxy</b>   |
| May 09 2010 31"  | 17mmT4 | PF,PS,FSNUC,AGC 2063,R=F  |

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|------------------|--------|---|
| <b>PGC 54935</b> |        | <b>Galaxy S</b>   |
| May 09 2010 31"  | 17mmT4 | VF,VS,OVAL,FSNUC,AGC 2063,R=F                                       |
| <b>PGC 54936</b> |        | <b>Galaxy</b>   |
| May 09 2010 31"  | 17mmT4 | VF,VS,OVAL,PATCH,NND,AGC 2063,R=F                                   |
| <b>PGC 54937</b> |        | <b>Galaxy</b>   |
| May 09 2010 31"  | 17mmT4 | PF,VS,OVAL,FSNUC,AGC 2063,R=F                                       |
| <b>PGC 54942</b> |        | <b>Galaxy</b>   |
| May 09 2010 31"  | 17mmT4 | PF,PS,PATCH,NND,AGC 2063,R=F  |
| <b>PGC 54943</b> |        | <b>Galaxy S</b>   |
| May 09 2010 31"  | 17mmT4 | PF,VS,PATCH,NND,AGC 2063,R=F  |
| <b>PGC 54946</b> |        | <b>Galaxy C</b>   |
| May 28 2008 31"  | 17mmT4 | PF,VS,OVAL,PATCH,UB,NND,PAIR=5926,R=F                               |
| <b>PGC 55057</b> |        | <b>Galaxy Sbc</b>   |
| May 28 2008 31"  | 17mmT4 | MF,PL,EDGE ON,UB,NND,ONE EDGE THICKER THAN OTHER,R=F                |
| <b>PGC 55199</b> |        | <b>Galaxy</b>   |
| May 28 2008 31"  | 17mmT4 | MF,PS,PATCH,VFSNUC,R=F  |
| <b>PGC 55200</b> |        | <b>Galaxy</b>   |
| May 28 2008 31"  | 17mmT4 | MF,MS,EL,FLNUC,PAIR=PGC55201,R=F                                    |
| <b>PGC 55201</b> |        | <b>Galaxy</b>   |
| May 28 2008 31"  | 17mmT4 | MF,MS,ELEGDE ON,UB,NND,PAIR=PGC55200,R=F                            |
| <b>PGC 55210</b> |        | <b>Galaxy</b>   |
| May 28 2008 31"  | 17mmT4 | VF,VS,PATCH,UB,NND,VF* OFF EDGE,R=P                                 |
| <b>PGC 55211</b> |        | <b>Galaxy</b>   |
| May 28 2008 31"  | 17mmT4 | PF,MS,EL,PATCH,UB,NND,R=P   |
| <b>PGC 55307</b> |        | <b>Galaxy</b>   |
| May 28 2008 31"  | 17mmT4 | EF,ES,PATCH,AV SOMETIMES,SUSP,OTHERS PRESENT,R=P                    |
| <b>PGC 55313</b> |        | <b>Galaxy</b>   |
| May 28 2008 31"  | 17mmT4 | EF,VS,PATCH,UB,EXTENSION OF HICKSON 76B,BUMP DET,OTHERS PRESENT,R=P |
| Apr 09 2008 31"  | 17mmT4 | VF,VS,OVAL,FLNUC,INTRACT=PGC55314,CANNOT SEP,APPEAR AS ONE,R=F      |
| <b>PGC 55314</b> |        | <b>Galaxy S0?</b>   |
| May 28 2008 31"  | 17mmT4 | MF,MS,EL,PATCH,BLNUC,OTHERS PRESENT,R=F                             |
| Apr 09 2008 31"  | 17mmT4 | PF,PS,OVAL,FLNUC,INTRACT=PGC55313,CANNOT SEP,APPEAR AS ONE,R=F      |

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| <b>PGC 55325</b> |        | <b>Galaxy S</b>   |
| May 28 2008 31"  | 17mmT4 | EF,VS,PATC,UB,AV FIRST THEN HOLDS,OTHERS PRESENT,R=P              |
| Apr 09 2008 31"  | 17mmT4 | EF,ES,LOC GOOD,AT MERIDIAN,SUSP,PAIRS=5944/NGC'S/PGC'S,R=P        |
| <b>PGC 55478</b> |        | <b>Galaxy Dwarf</b>   |
| May 28 2008 31"  | 17mmT4 | EF,ES,PATCH,AV COMES AND GOES,DOESNOT HOLD,PAIRS=5954/5953,R=P    |
| <b>PGC 55516</b> |        | <b>Galaxy B</b>   |
| May 28 2008 31"  | 17mmT4 | VF,VS,PATCH,UB,NND,PAIR=5955,R=P                                  |
| <b>PGC 55568</b> |        | <b>Galaxy SB</b>  |
| May 28 2008 31"  | 17mmT4 | VF,VS,PAIRS=MAC'S,R=P   |
| <b>PGC 55597</b> |        | <b>Galaxy Sa</b>  |
| Apr 06 2008 31"  | 17mmT4 | DIF,VF,MS,EL,PATCH,UB,NND,R=P                                     |
| <b>PGC 55618</b> |        | <b>Galaxy SB</b>  |
| May 28 2008 31"  | 17mmT4 | PF,MS,OVAL,PATCH,UB,NND,R=F                                       |
| <b>PGC 55640</b> |        | <b>Galaxy L</b>   |
| May 28 2008 31"  | 17mmT4 | PF,PS,OVAL,FLNUC,PAIR=IC1128,R=F                                  |
| <b>PGC 55664</b> |        | <b>Galaxy S</b>   |
| Jun 01 2008 31"  | 17mmT4 | EF,ES,PATCH,UB,TOOK AV A WHILE TO LOCATE THEN HOLDS,PAIR=5970,R=P |
| <b>PGC 55717</b> |        | <b>Galaxy S0</b>  |
| Apr 06 2008 31"  | 17mmT4 | DIF,VF,VS,PATCH,NND,R=P   |
| <b>PGC 55747</b> |        | <b>Galaxy</b>   |
| Apr 06 2008 31"  | 17mmT4 | VF,ES,ALM *,VF* OFF EDGE,PAIR=PTC55762,R=P                        |
| <b>PGC 55749</b> |        | <b>Galaxy SBb</b>   |
| Apr 06 2008 31"  | 17mmT4 | PF,MS,PATCH,UB,NND,PAIR=5975,R=F                                  |
| <b>PGC 55762</b> |        | <b>Galaxy</b>   |
| Apr 06 2008 31"  | 17mmT4 | VF,VS,OVAL,PATCH,UB,NND,PAIR=PGC55747,R=P                         |
| <b>PGC 55784</b> |        | <b>Galaxy S R</b>   |
| Apr 06 2008 31"  | 17mmT4 | EDIF,EF,VS,PATCH,AV,PAIR=5977,R=P                                 |
| <b>PGC 55821</b> |        | <b>Galaxy Sc: sp</b>  |
| May 30 2014 36"  | 17mmT4 | MF,PL,EDGE ON,NND,PA~70,ONE SIDE BTR THAN OTHER,R=FG              |
| <b>PGC 55847</b> |        | <b>Galaxy</b>   |
| Apr 06 2008 31"  | 17mmT4 | VF,ES,*NUC,B* CLOSE BY,R=P  |
| <b>PGC 55889</b> |        | <b>Galaxy</b>   |

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| <b>PGC 55889</b> |        | <b>Galaxy</b>  |
| Apr 06 2008 31"  | 17mmT4 | VF,VS,R,VFSNUC,R=P                                       |
| <b>PGC 55938</b> |        | <b>Galaxy S</b>  |
| Jun 01 2008 31"  | 17mmT4 | VF,VS,PATCH,NND,PAIR=IC1134,R=P                          |
| <b>PGC 55958</b> |        | <b>Galaxy R</b>  |
| Apr 06 2008 31"  | 17mmT4 | VS,PS,PATCH,UB,NND,R=P                                   |
| <b>PGC 55992</b> |        | <b>Galaxy</b>  |
| Apr 06 2008 31"  | 17mmT4 | EDIF,EF,VS,PATCH,AV,PAIR=5990,R=P                        |
| <b>PGC 56094</b> |        | <b>Galaxy Sbc</b>  |
| Apr 09 2008 31"  | 17mmT4 | VDIF,VF,PS,EDGE ON,UB,NND,R=P                            |
| <b>PGC 56121</b> |        | <b>Galaxy S?</b>   |
| Apr 09 2008 31"  | 17mmT4 | VF,VS,OVAL,NND,CAN JUST BARELY SEP THE 3/PAIRS=PGC'S,R=P |
| <b>PGC 56122</b> |        | <b>Galaxy S0?</b>  |
| Apr 09 2008 31"  | 17mmT4 | VF,VS,OVAL,NND,CAN JUST BARELY SEP THE 3/PAIRS=PGC'S,R=P |
| <b>PGC 56123</b> |        | <b>Galaxy Chain</b>                                      |
| Apr 09 2008 31"  | 17mmT4 | VF,VS,OVAL,NND,CAN JUST BARELY SEP THE 3,PAIRS=PGC'S,R=P |
| <b>PGC 56125</b> |        | <b>Galaxy S</b>  |
| Apr 09 2008 31"  | 17mmT4 | EF,ES,NO FIND,BURIED IN CNTR OF CL,SUSP,PAIRS=PGC'S,R=P  |
| <b>PGC 56301</b> |        | <b>Galaxy</b>  |
| Jun 01 2008 31"  | 17mmT4 | MF,MS,EL-OVAL,FLNUC,PAIR=6008,R=F                        |
| <b>PGC 56314</b> |        | <b>Galaxy SAB(s)bc</b>                                   |
| Apr 26 2006 31"  | 17mmT4 | VDIF,VF,MS,OVAL,PATCH,UB,NND,R=P                         |
| <b>PGC 56490</b> |        | <b>Galaxy SA0^</b>                                       |
| Jun 01 2008 31"  | 17mmT4 | PF,MS,OVAL,PATCH,UB,NND,* CLODE BY,R=P                   |
| <b>PGC 56503</b> |        | <b>Galaxy SA(s)c</b>                                     |
| Jun 01 2008 31"  | 17mmT4 | DIF,EF,MS,OVAL,PATCH,UB,NND,R=P                          |
| <b>PGC 56632</b> |        | <b>Galaxy L</b>  |
| Jun 01 2008 31"  | 17mmT4 | VF,PS,EL,PATCH,NND,* CLOSE BY,R=P                        |
| <b>PGC 56705</b> |        | <b>Galaxy</b>  |
| May 14 2009 31"  | 17mmT4 | VF,VS,PATCH,UB,NND,AV,R=P                                |
| Jun 01 2008 31"  | 17mmT4 | EF,ES,PATCH,UB,NND,AV COMES AND GOES,R=P                 |
| <b>PGC 56938</b> |        | <b>Galaxy S0-:</b>                                       |

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| <b>PGC 56938</b> |        | <b>Galaxy S0-:</b>   |
| Apr 26 2006 31"  | 17mmT4 | PF,PS,EL,FLNUC,PAIRS=PGC/MAC,R=F   |
| <b>PGC 56953</b> |        | <b>Galaxy S0 pec</b>   |
| Apr 26 2006 31"  | 17mmT4 | PF,PS,OVAL,PATCH,FSNUC,PAIRS=PGC/MAC,R=F   |
| <b>PGC 57003</b> |        | <b>Galaxy</b>  |
| Jun 24 2022 36"  | 17mmT4 | VF,PS,PATCH,NND,PAIRS=N6051/PGC'S,R=P  |
| <b>PGC 57010</b> |        | <b>Galaxy</b>  |
| Jun 24 2022 36"  | 17mmT4 | VF,PS,PATCH,NND,PAIRS=N6051/PGC'S,R=P  |
| <b>PGC 57014</b> |        | <b>Galaxy</b>  |
| Jun 24 2022 36"  | 17mmT4 | VF,VS,EL,NND,PAIRS=N6051/PGC'S,R=P   |
| <b>PGC 57025</b> |        | <b>Galaxy</b>  |
| Jun 24 2022 36"  | 17mmT4 | VF,PS,PATCH,NND,PAIRS=N6051/PGC'S,R=P  |
| <b>PGC 57028</b> |        | <b>Galaxy</b>  |
| Jun 24 2022 36"  | 17mmT4 | VF,PS,PATCH,NND,PAIRS=N6051/PGC'S,R=P  |
| <b>PGC 57223</b> |        | <b>Galaxy</b>  |
| Jun 24 2022 36"  | 17mmT4 | PF,MS,PATCH,UB,NND,PAIRS=N6065/N6066,R=P   |
| <b>PGC 57235</b> |        | <b>Galaxy S</b>  |
| Jun 24 2022 36"  | 17mmT4 | PF,MS,OVAL,UB,NND,SHISB,R=F  |
| <b>PGC 57247</b> |        | <b>Galaxy</b>  |
| Jun 24 2022 36"  | 17mmT4 | PF,MS,PATCH,UB,NND,R=P   |
| <b>PGC 57582</b> |        | <b>Galaxy Sc: sp</b>   |
| May 30 2014 36"  | 17mmT4 | PF,PL,EDGE ON,UB,NND,PA~90,V* OFF NUC,F* OUTER END,R=F   |
| <b>SH2 46</b>    |        | <b>Brt Nebula E</b>  |
| May 13 2021 36"  | 31mmT5 | (lb 3),DIF,VF,VL,W/OIII,VF GLOW OF NEB DET,FILLS FOV,EDGES NOT DEF,NICE SAGITTA ASTERISM IN CNTR(2:50am),R=P             |
| <b>SH2 54</b>    |        | <b>Brt Nebula E</b>  |
| Jun 23 2022 36"  | 31mmT5 | (Lb 3),DEFF,MB,EEL,10-20 FOV'S,SUR OC N6604,NEB ALM UB,NOT MUCH DETAIL,W/OIII,BETTER,PATCHES OF BKN NEB DET,(1:35zm),R=F |
| <b>SH2 64</b>    |        | <b>Brt Nebula E</b>  |
| Jun 23 2022 36"  | 31mmT5 | (Lb 3),DIF,VF,EEL,~2 FOV'S,UNIFORM F BG OF NEB,W/OIII,SCAN AREA,SOME PATCHES NEB DET,(1:52am),R=P                        |
| <b>TR 32</b>     |        | <b>Open Cluster I 2 m</b>  |
| May 12 2021 36"  | 31mmT5 | (I 2 m),MF,ML,*S SMWHT SIM MAG,6-8B*S TO S NOT ASSOC W/CL,CL DET,(4:06am),R=F  |