

Observation Log Sheet

#180

Object M71 Date 10/14/04
Constellation Sge Time 10:45 CDT
Magnitude 9 Seeing: Transparency II I-V
Concentration Class X Steadiness III I-V
Location Home Telescope ETX 125
Eyepiece / Magnification 12.4mm / 153x

Notes:

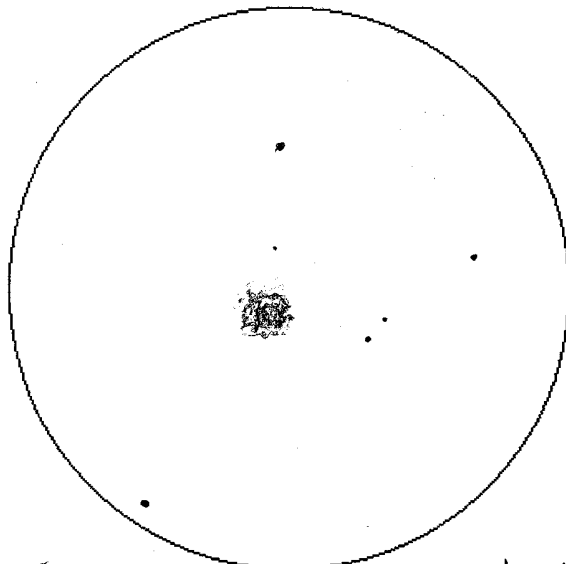
Object M30 Date 10/14/04
Constellation Cap Time 10:58 CDT
Magnitude 8 Seeing: Transparency II #187
Concentration Class V1 Steadiness III
Location Home Telescope ETX 125
Eyepiece / Magnification 12.4 / 153x

Notes:

Observation Log Sheet

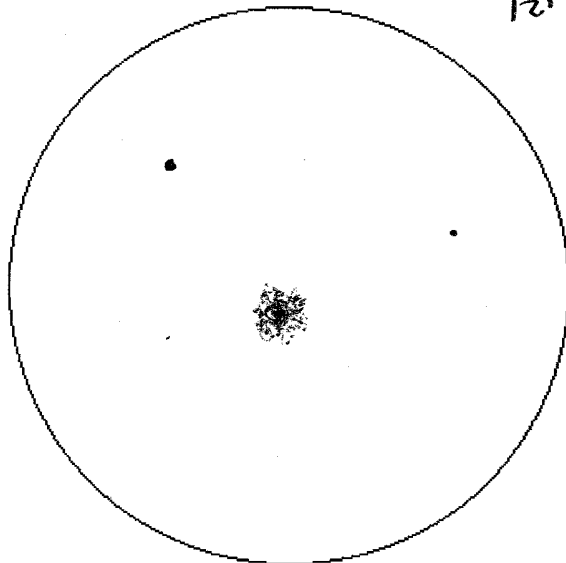
Object M2 Date 10/14/04 #186
 Constellation Aqr Time 11:15 cor
 Magnitude 6 Seeing Transparency II
 Concentration Class V Steadiness III
 Location Home Telescope ETX 125
 Eyepiece / Magnification 12.4 / 153

Notes:



Object M15 Date 10/14/04 #185
 Constellation Peg Time 11:30 cor
 Magnitude 5 Seeing Transparency II-
 Concentration Class III Steadiness III
 Location Home Telescope ETX 125
 Eyepiece / Magnification 12.4 / 153

Notes:



Observation Log Sheet

Object M4
Constellation SCO
Magnitude 6
Concentration Class II
Location RMCC

Date 10/16/4 #85
Time 7:50 CDT
Seeing: Transparency II
Steadiness II
Telescope ETX125
Eyepiece/Magnification 12.4/153

Notes:

Object M80
Constellation SCO
Magnitude 7
Concentration Class II
Location RMCC

Date 10/16/4 #84
Time 8:00 CDT
Seeing: Transparency II
Steadiness II
Telescope ETX125
Eyepiece/Magnification 12.4/153

Notes:

Observation Log Sheet

Object M 5
Constellation SEX
Magnitude 6
Concentration Class VI
Location LMCC

Date 10/16/4 #77
Time 8:10 CDT
Seeing: Transparency I-
Steadiness II
Telescope ETX 125
Eyepiece/Magnification 12.4/153X

Notes:

Object M 107
Constellation OPH
Magnitude 8
Concentration Class VIII
Location LMCC

Date 10/16/4
Time 8:15 CDT #90
Seeing: Transparency I-
Steadiness II
Telescope ETX 125
Eyepiece/Magnification 12.4/153

Notes:

Observation Log Sheet

Object M19
 Constellation OPH
 Magnitude 8-9
 Concentration Class III
 Location RMCC

Date 10/16/4 #100
 Time 8:40 cor
 Seeing: Transparency I-
 Steadiness II
 Telescope ETX 125
 Eyepiece/Magnification 12.4/153

Notes:

Object M9
 Constellation OPH
 Magnitude 8
 Concentration Class VII
 Location RMCC

Date 10/16/4 #108
 Time 8:50 cor
 Seeing: Transparency I
 Steadiness II
 Telescope ETX 125
 Eyepiece/Magnification 12.4/153 x

Notes:

Observation Log Sheet

Object M69
Constellation SGA
Magnitude 8
Concentration Class IV
Location RMce

Date 10/16/4
Time 9:05 PM
Seeing: Transparency I-
Steadiness II
Telescope ETX125
Eyepiece/Magnification 12.4/153x

Notes:

Object NGC 6652
Constellation SGA
Magnitude 10
Concentration Class II
Location RMce

Date 10/16/4
Time 9:06 PM #161
Seeing: Transparency I-
Steadiness II
Telescope ETX125
Eyepiece/Magnification 12.4/153x

Notes:

Observation Log Sheet

Object M70
Constellation SGA
Magnitude 9
Concentration Class II
Location LMCC

Date 10/16/4 #164
Time 9:13 am
Seeing: Transparency I-
Steadiness II
Telescope ETX 125
Eyepiece/Magnification 12.4/153x

Notes:

Object M54
Constellation SGA
Magnitude 9
Concentration Class II
Location LMCC

Date 10/16/4 #166
Time 9:30 am
Seeing: Transparency I-
Steadiness II
Telescope ETX 125
Eyepiece/Magnification 12.4/153x

Notes:

Constellation 2011
Magnitude 8
Concentration Class II or III
Location LMce

Time 10:00
Seeing: Transparency II
Steadiness II
Telescope ETX 125
Eyepiece/Magnification 12.4/153x

Notes:

Object M22
Constellation SGA
Magnitude 5
Concentration Class IX or X
Location LMce

Date 10/16/24
Time 9:50 EST #162
Seeing: Transparency I-
Steadiness II
Telescope ETX 125
Eyepiece/Magnification 12.4/153x

Notes:

Notes:

Object M92
Constellation Her
Magnitude 6
Concentration Class IV
Location LMCC

Date 10/16/4
Time 10:10 CDT #106
Seeing: Transparency I-
Steadiness II
Telescope ETX 125
Eyepiece/Magnification 12.4/153x

Notes: Wow!

Location

Telescope _____
Eyepiece/Magnification 12.4/153x

Notes:

Object M75
Constellation SGA
Magnitude 8
Concentration Class I
Location nmcc

Date 10/16/4
Time 10:45 AM #181
Seeing: Transparency II-
Steadiness II
Telescope ETX125
Eyepiece/Magnification 12.4/153x

Notes:

Magnitude _____
Concentration Class IV
Location LMce

Steadiness II
Telescope ETX 125
Eyepiece/Magnification 12.4/153x

Notes:

Object Pel II
Constellation Arc
Magnitude 11-12
Concentration Class II
Location LMce

Date 10/16/4
Time 10:40 PM #179
Seeing: Transparency I- C.O.
Steadiness II
Telescope ETX 125
Eyepiece/Magnification 12.4/153x

Notes:

Concentration Class _____
Location Rmce

Steadiness _____
Telescope ETX 125
Eyepiece/Magnification 12.4/153x

Notes:

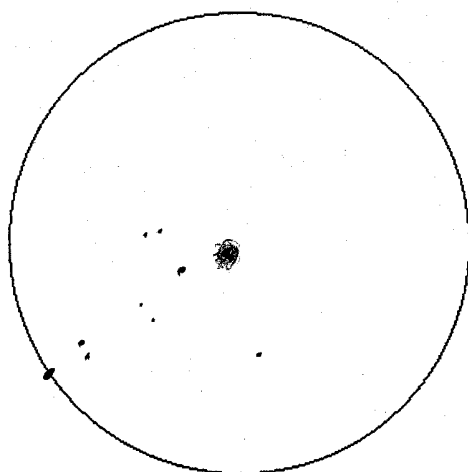
Object _____
Constellation _____
Magnitude _____
Concentration Class _____
Location _____

Date _____
Time _____
Seeing: Transparency _____
Steadiness _____
Telescope _____
Eyepiece/Magnification _____

Notes:

Magnitude _____
 Concentration Class IV
 Location LMCC
 Steadiness II
 Telescope ETX 125
 Eyepiece / Magnification 12.4 153X

Notes:



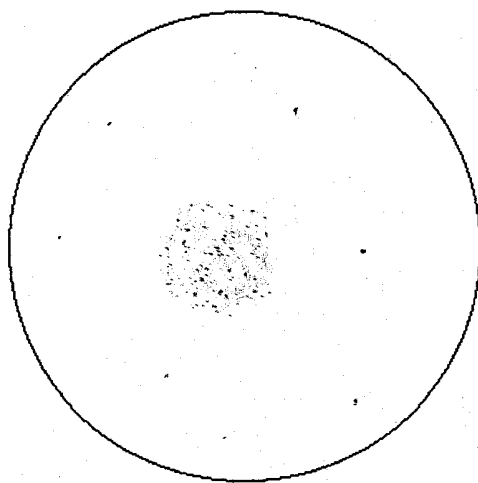
BEAUTIFUL
 "NORMAL"
 CLUSTER w/
 DENSE NUCLEUS
 & GRIMY
 OUTFLOW FUZZ

Object NGC 288 Date 12/3/4
 Constellation Sc1 Time 8:25 pm
 Magnitude _____ Seeing: Transparency I-
 Concentration Class IX Steadiness II
 Location LMCC Telescope ETX 125

Eyepiece / Magnification 12.4/153X

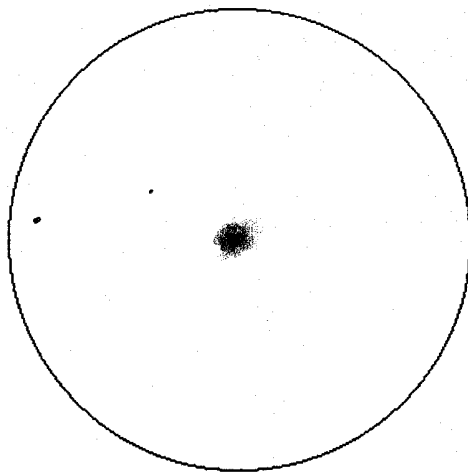
Notes:

#33
 DUPLICATE



HUGE, LOOSE
 DIMMED BY
 POWER w/
 SD+ VERY FADTS
 RESOLVED ACROSS
 HUGE FACE
 VERY LOOSE

Notes:

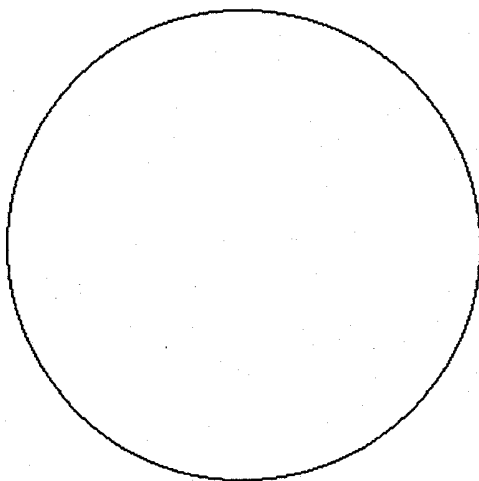


RESOLUTION
CORE IS COMPACT
& CONCENTRATED
NO RESOLUTION OF
EDGES - COME 250
FADERS INTO VIEW
LOOKS LIKE COMET
MACHHOLE TO NAKED
EYE TONIGHTS
VERY LOW

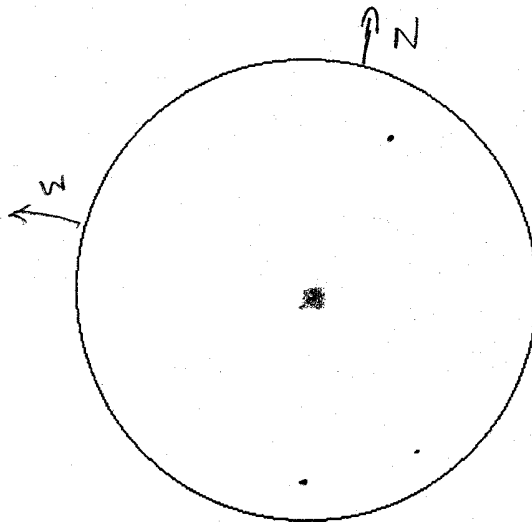
I SAY CLASS = III

Object _____ Date _____
Constellation _____ Time _____
Magnitude _____ Seeing: Transparency _____
Concentration Class _____ Steadiness _____
Location _____ Telescope _____
Eyepiece / Magnification _____

Notes:



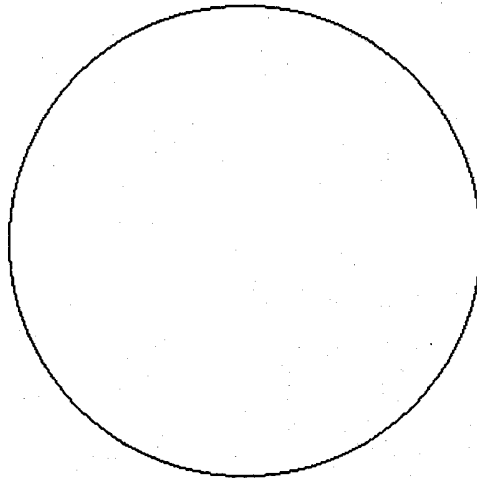
Notes:



Brilliantly mottled,
some hints of
res on edges,
yet it seemed
a little loose,
at the same
time! CC = IV
to me

Object _____ Date _____
Constellation _____ Time _____
Magnitude _____ Seeing: Transparency _____
Concentration Class _____ Steadiness _____
Location _____ Telescope _____
Eyepiece / Magnification _____

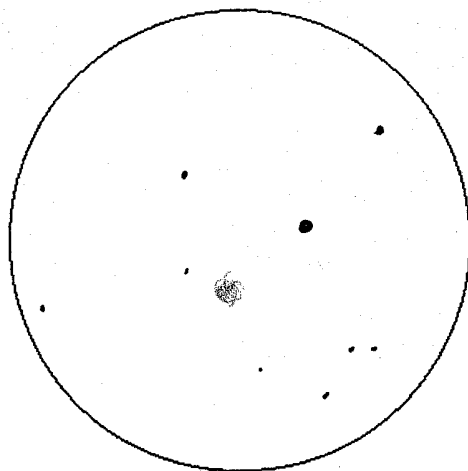
Notes:



Object c 25 Date 3/4/5
 Constellation Lyn Time 9:00
 Magnitude _____ Seeing: Transparency I-
 Concentration Class VI Steadiness II
 Location _____ Telescope RTX 125
 Eyepiece / Magnification 12.4 / 153

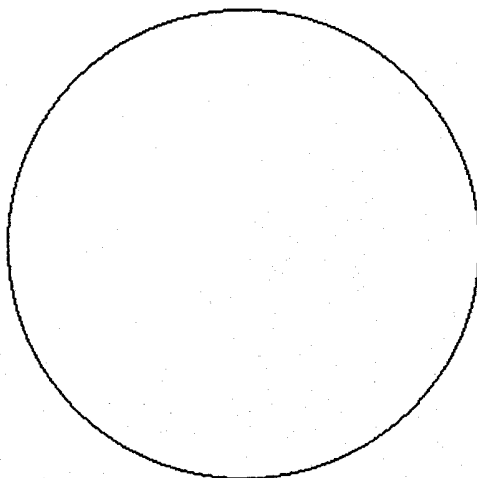
Notes:

AV makes it
 bigger but no
 res!



Object _____ Date _____
 Constellation _____ Time _____
 Magnitude _____ Seeing: Transparency _____
 Concentration Class _____ Steadiness _____
 Location _____ Telescope _____
 Eyepiece / Magnification _____

Notes:



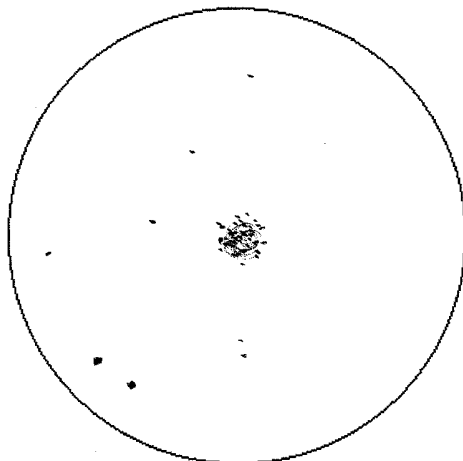
Observation Log Sheet

#64

Object M53 Date 3/11/5
 Constellation Com Time 16:55 CST
 Magnitude 8.5 Seeing: Transparency II
 Concentration Class VII Steadiness III
 Location RMCC Telescope E7X 125
 Eyepiece / Magnification 12.4 mm / 153x

Notes:

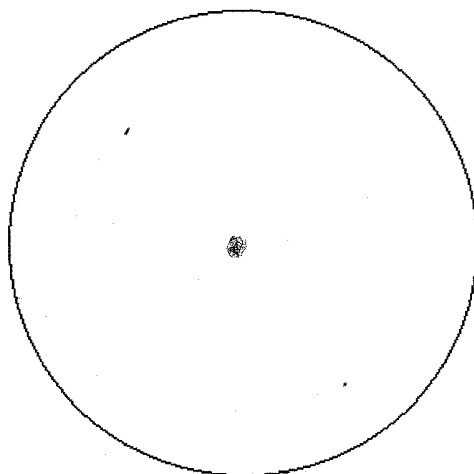
Resolution across
face



Object NLC 5053 Date 3/11/5
 Constellation Com Time 11:10 CST
 Magnitude 10 Seeing: Transparency II
 Concentration Class III Steadiness III
 Location RMCC Telescope E7X 125
 Eyepiece / Magnification 12.4 mm / 153x

Notes:

#65
Challenge
Object



Very dim, unsteady
shoes don't help
view - no resolution
seen.

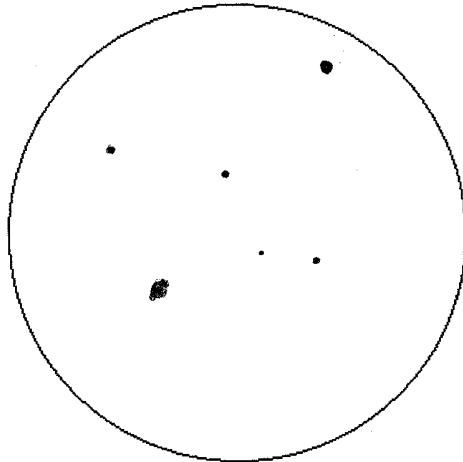
Observation Log Sheet

Object N 4147 Date 5/1/15
 Constellation _____ Time 1:05
 Magnitude _____ Seeing: Transparency I-
 Concentration Class III Steadiness I-
 Location RMCC Telescope 8x25
 Eyepiece / Magnification 12.4/153

GCO C
59

Challenge
Object

Notes:

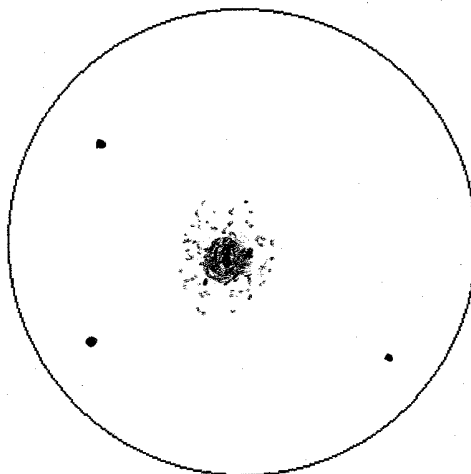


Seen well,
concentrated -
no resolution

Object M3 Date 5/1/15
 Constellation _____ Time 1:15
 Magnitude _____ Seeing: Transparency I-
 Concentration Class I Steadiness I-
 Location RMCC Telescope 8x25
 Eyepiece / Magnification 12.4/153

GCO C
67

Notes:



Wow!
just hints of
res across
face w direct
AV brings out
tons of faints
on edges.

1:34
nice bright
in oph up to
+2, broke
off again

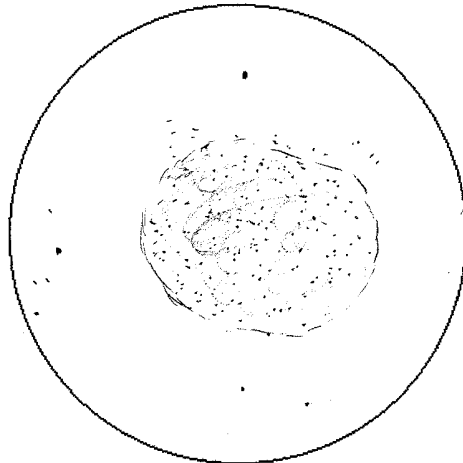
Observation Log Sheet

GCOC
#66

Object W Cen Date 5/1/5
 Constellation _____ Time 12:15
 Magnitude _____ Seeing: Transparency I-
 Concentration Class X Steadiness I-
 Location RMCC Telescope ETA 125
 Eyepiece / Magnification 12.4 / 152

(note: not w/45°)

Notes:

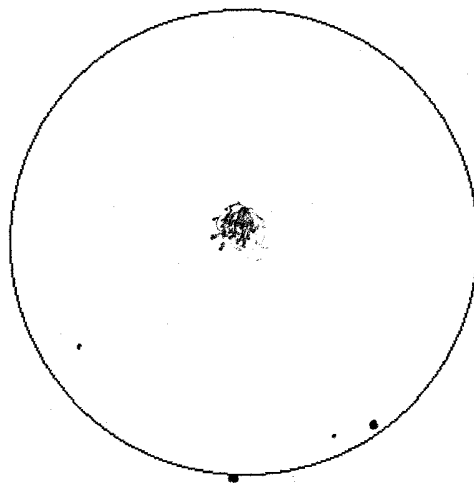


UNBELIEVABLE
RESOLVED ALL
ACROSS FACE -
EVEN THOUGH
SO LOW - WHAT
A VIEW!

Object M69 Date 5/1/5
 Constellation _____ Time 12:50
 Magnitude _____ Seeing: Transparency I-
 Concentration Class II Steadiness I-
 Location RMCC Telescope ETA 125
 Eyepiece / Magnification 12.4 / 152

GCOC
#62

Notes:



A few res'd
w/air - mostly
just clumpy
noise.

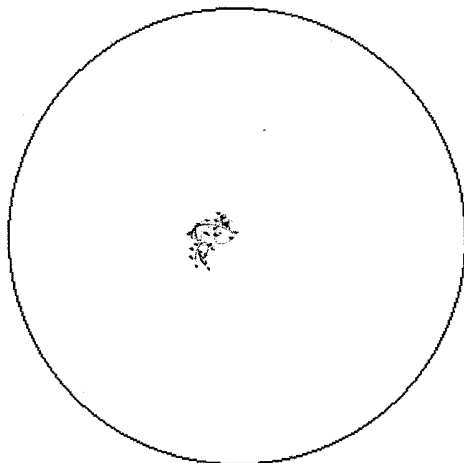
GCOC
#70

Observation Log Sheet

Object N54/bb Date 5/1/5
Constellation _____ Time 1:45
Magnitude _____ Seeing: Transparency I-
Concentration Class IX Steadiness I-
Location RMCC Telescope 67x125
Eyepiece / Magnification 12.4/153x

Challenge
Objects

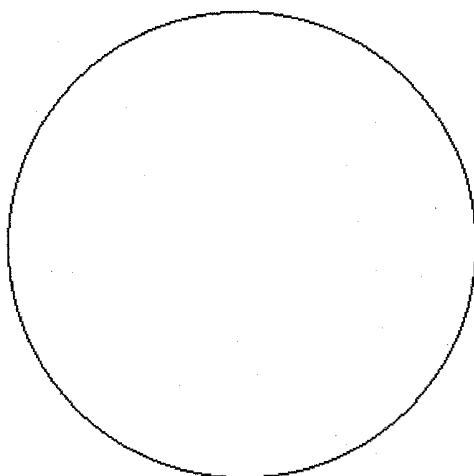
Notes:



Seems to be
loose, banded
153x is too
much power for
it.

Object _____ Date _____
Constellation _____ Time _____
Magnitude _____ Seeing: Transparency _____
Concentration Class _____ Steadiness _____
Location _____ Telescope _____
Eyepiece / Magnification _____

Notes:

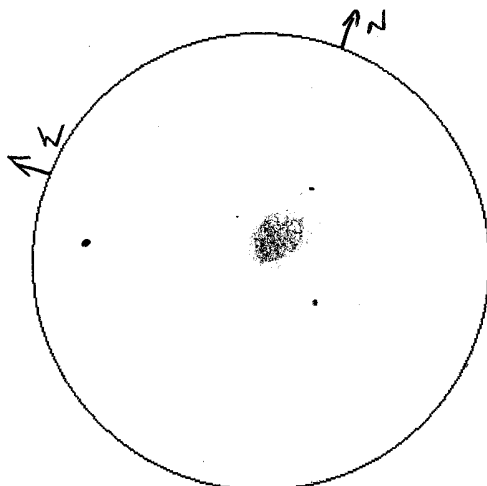


Observation Log Sheet

Object M10 Date 5/30/5
 Constellation OPH Time 1:00 AM EDT
 Magnitude _____ Seeing: Transparency III
 Concentration Class IX Steadiness II
 Location HOME Telescope 27X125
 Eyepiece / Magnification 12.4/153x

#96

Notes:

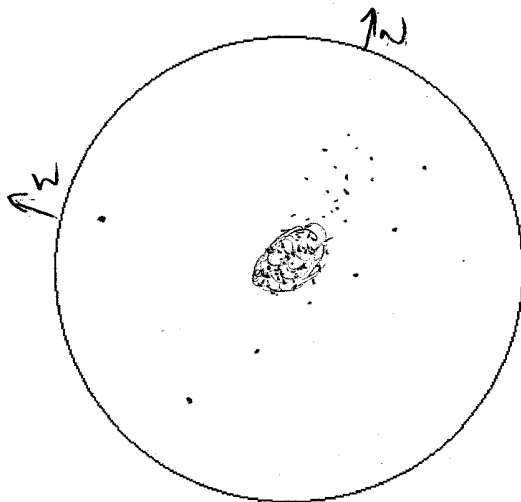


Some res'd across
 face esp. SW
 corner. Stars
 fairly loose &
 slightly oval

Object M10 Date 5/31/5
 Constellation OPH Time 6:40 AM EDT
 Magnitude _____ Seeing: Transparency II
 Concentration Class IX Steadiness II
 Location LMCC Telescope 27X
 Eyepiece / Magnification 12.4/153

#96

Notes:



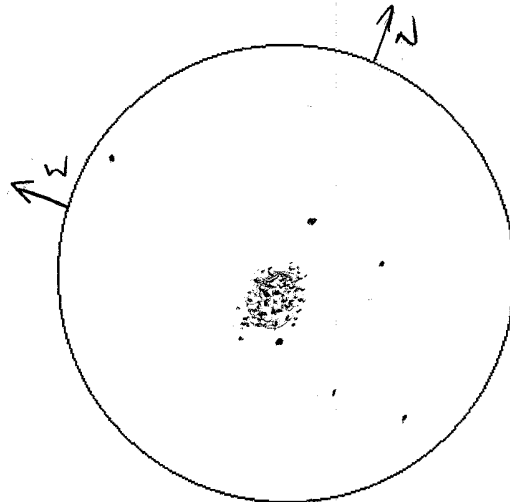
Almost completely
 resolved!

Observation Log Sheet

Object M12 Date 5/21/5
 Constellation OPH Time 6:45 UT
 Magnitude _____ Seeing: Transparency II
 Concentration Class VIII Steadiness II
 Location RMCC Telescope ETX 125
 Eyepiece / Magnification 12.4/153x

#94

Notes:

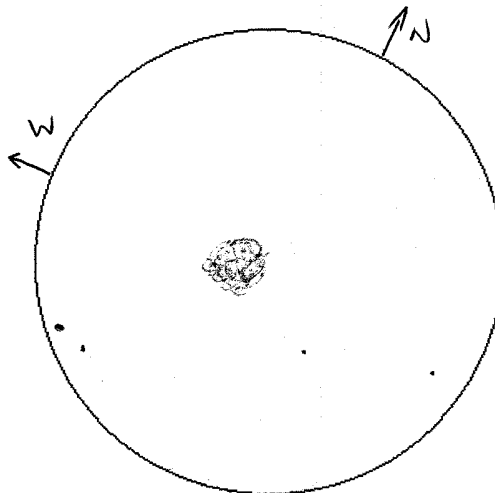


Almost res'd -
 Stars all across face

Object M14 Date 5/21/5
 Constellation OPH Time 6:55 UT
 Magnitude _____ Seeing: Transparency II-
 Concentration Class VI Steadiness II
 Location RMCC Telescope ETX 125
 Eyepiece / Magnification 12.4/153

#124

Notes:



Not as res'd
 but several across
 face

Observing Log
Object type: Globular Cluster

#101

Object ID: NGC 6284

Const.: Oph

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer BY

Date 6/2/5

Time 1:25 CD

Location LMCE

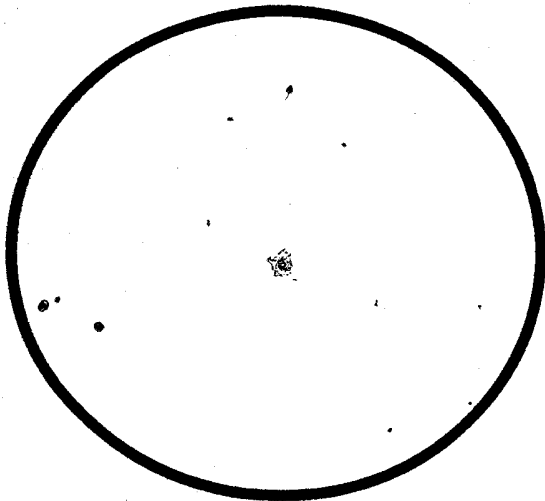
Seeing II Transparency III

Instrument RTX 125

Size 125

Eyepiece 12.4

Field of view _____ Power 103x



- Can this cluster be seen with direct vision, or is averted vision required?
- Is the core unusually bright, compact or not distinguishable?
- Is this globular cluster highly or loosely concentrated? IV
- Is any part of the cluster resolved into stars? Edges hints
- Is any mottling visible? Edges
- Can the edges be resolved? barely
- Are there any other deep-sky objects in the same field of view? If so, what? No

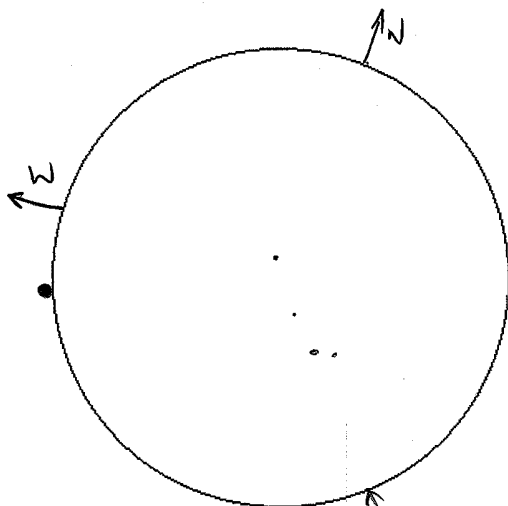
Description _____

Observation Log Sheet

Object NbC 6366 Date 5/31/05
 Constellation OPH Time 7:05 UT
 Magnitude _____ Seeing: Transparency II-
 Concentration Class _____ Steadiness II
 Location RMCC Telescope ETX 125
 Eyepiece / Magnification 12.4 / 153x

~~#13~~

Notes:



TOOK 190X - 10 sec
 VERY SMALL

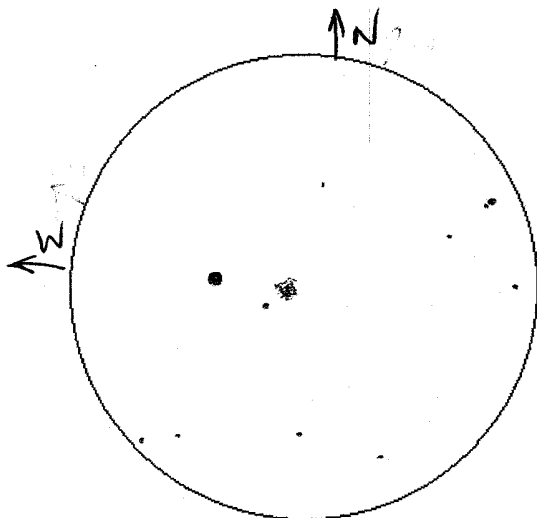
NOT SEEN!

TRIED AGAIN 6/2/05 -
 NO luck!

Object NbC 6441 Date 5/31/05
 Constellation SCO Time 7:15 UT
 Magnitude _____ Seeing: Transparency II-
 Concentration Class III Steadiness II
 Location RMCC Telescope ETX 125
 Eyepiece / Magnification 12.4 / 153x

#131

Notes:



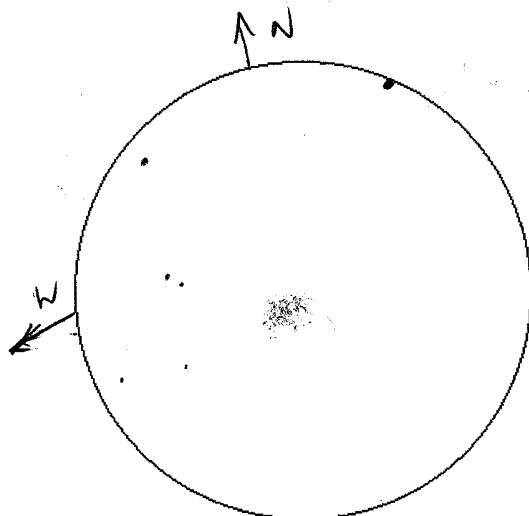
Lovely & compact
 near G Sco

Observation Log Sheet

Object N6C 5897 Date 5/31/5
 Constellation Lib Time 7:30 UT
 Magnitude _____ Seeing: Transparency III
 Concentration Class X1 Steadiness II
 Location RMCC Telescope ETX 125
 Eyepiece / Magnification 12.4 / 53x

#76

Notes:

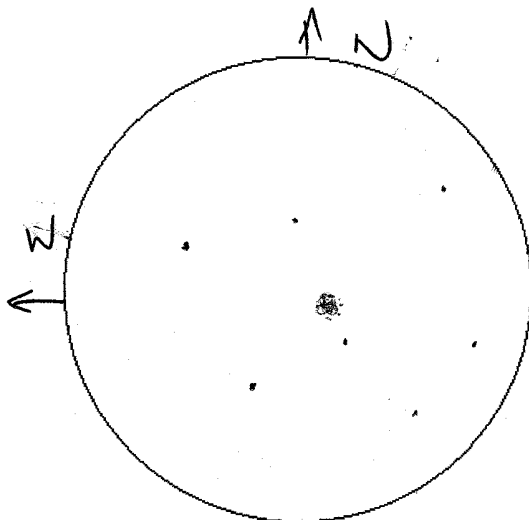


Very large, dim
Some res on edge

Object M62 Date 5/31/5
 Constellation Sco Time 7:40 UT
 Magnitude _____ Seeing: Transparency III
 Concentration Class II Steadiness II
 Location RMCC Telescope ETX 125
 Eyepiece / Magnification 12.4 / 53x

#99

Notes:



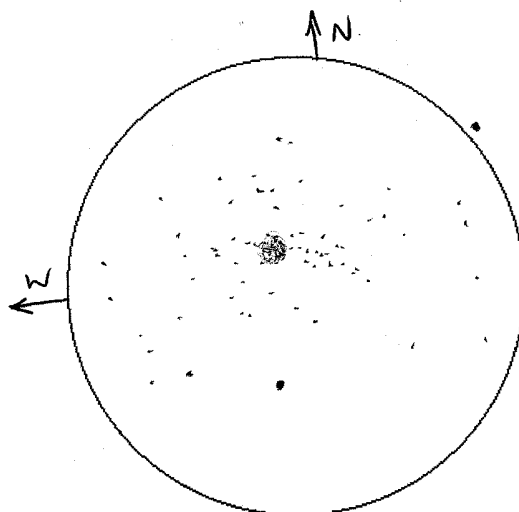
176th!

213h am
nice
sky very
clear
or clear
back
+2

Object _____
 Constellation SGR Time 7:50 AM
 Magnitude _____ Seeing: Transparency II
 Concentration Class VI Steadiness II
 Location RMCC Telescope ETX 125
 Eyepiece / Magnification 12.4 / 153x

#146

Notes:

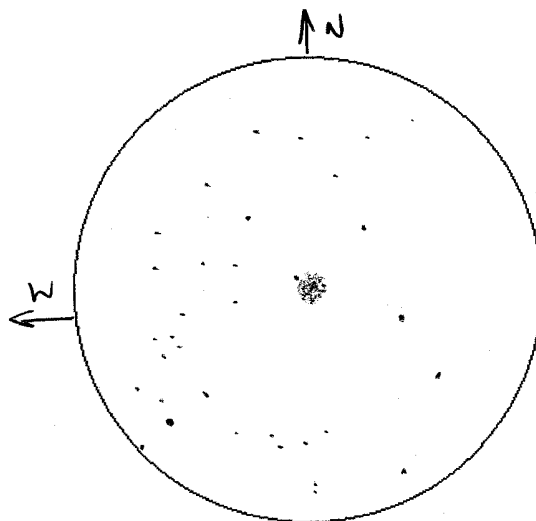


Pretty large, bright
 med. loose - res across face

Object NGC 6553 Date 5/31/5
 Constellation SGR Time 7:55 AM
 Magnitude _____ Seeing: Transparency II -
 Concentration Class IV Steadiness II
 Location RMCC Telescope ETX 125
 Eyepiece / Magnification 12.4

#148

Notes:



Pretty compact -
 some res at edge
 away from field
 star

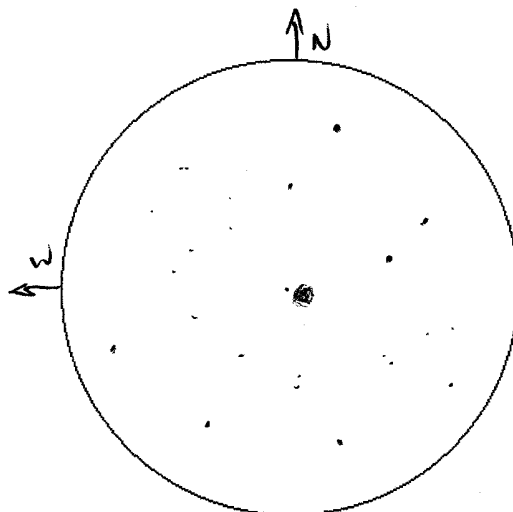
2155 nm
5:15 am

Observation Log Sheet

Object NGC 6624 Date 5/31/5
 Constellation SGR Time 8:00
 Magnitude II Seeing: Transparency II
 Concentration Class IV Steadiness II
 Location RMCC Telescope ETX 125
 Eyepiece / Magnification 12.4 / 153x

#156

Notes:

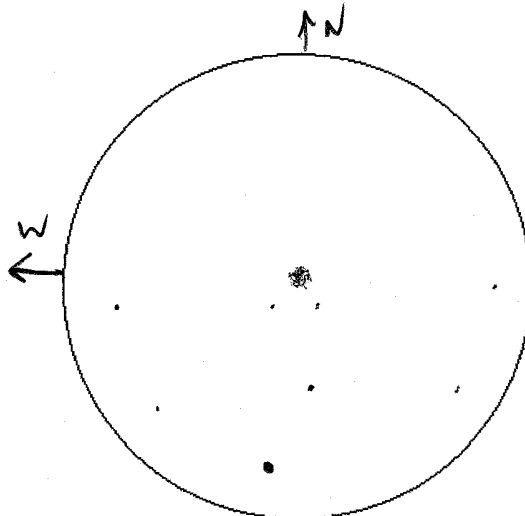


No RES - FAMILY
TIGHT - SOME
MOTTLED

Object NGC 6569 Date 5/31/5
 Constellation SGR Time 8:10
 Magnitude II Seeing: Transparency II
 Concentration Class VI Steadiness II
 Location RMCC Telescope ETX 125
 Eyepiece / Magnification 12.4 / 153x

#154

Notes:



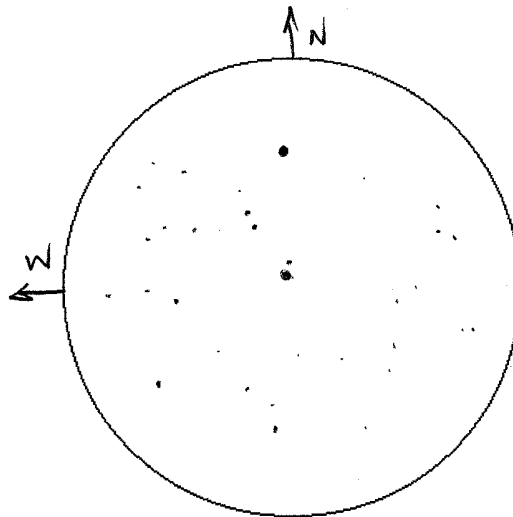
neb-loose, a few
h mts resid at
edge

Observation Log Sheet

Object N6C 6558 Date 5/31/5
 Constellation SGR Time 8:15 UT
 Magnitude Seeing: Transparency II
 Concentration Class III Steadiness II
 Location RMCC Telescope 87X 125
 Eyepiece / Magnification 12.4/153X

#151

Notes:

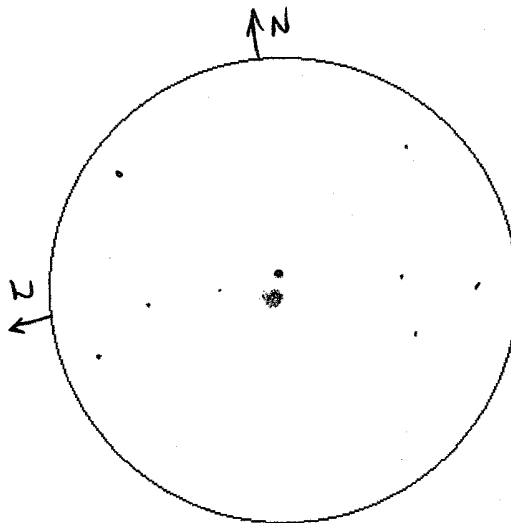


TIGHT - NO RES

Object N6C 6717 Date 5/31/5
 Constellation SGR Time 8:20 UT
 Magnitude Seeing: Transparency II
 Concentration Class IV Steadiness II
 Location RMCC Telescope 87X 125
 Eyepiece / Magnification 12.4/153X

#167

Notes:



Med size & p. bright
 fuzzy glow - some
 res/motile
 very easy @
 V² Sgr

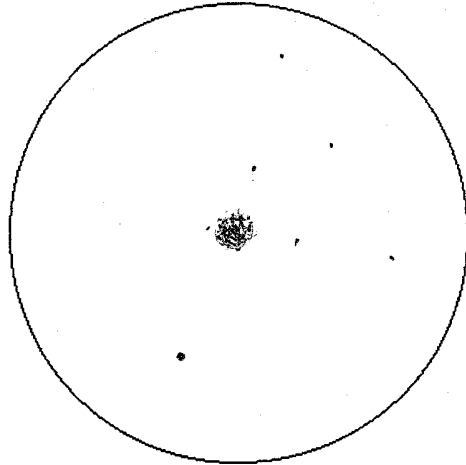
Observation Log Sheet

Object N6C 670 Date 5/31/15
 Constellation CrA Time 8:38 UT
 Magnitude _____ Seeing: Transparency II -
 Concentration Class VIII Steadiness II
 Location RMCC Telescope 87X125
 Eyepiece / Magnification 12.9 / 153X

#168

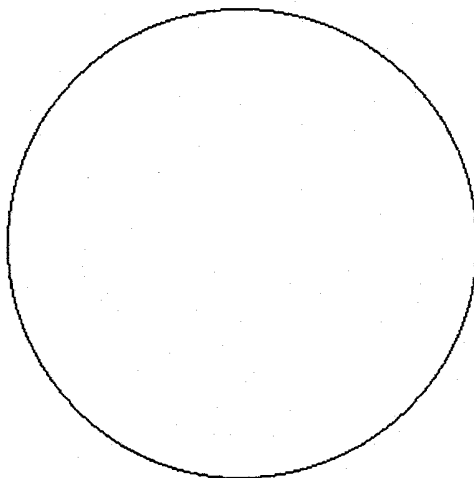
Notes:

large, a little
 loose, red
 across face



Object _____ Date _____
 Constellation _____ Time _____
 Magnitude _____ Seeing: Transparency _____
 Concentration Class _____ Steadiness _____
 Location _____ Telescope _____
 Eyepiece / Magnification _____

Notes:



Observing Log

Object type: Globular Cluster

#103

Object ID: Ngc 6293

Const.: Op

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer BY

Date 6/2/5

Time 1:35 CST

Location RMCE

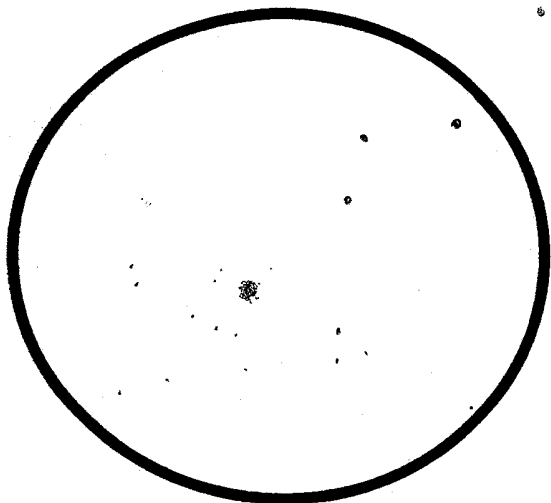
Seeing II Transparency III

Instrument ETX 125

Size 125

Eyepiece 12.4

Field of view _____ Power 152x



- Can this cluster be seen with direct vision, or is averted vision required?
- Is the core unusually bright, compact or not distinguishable?
- Is this globular cluster rel highly or loosely concentrated? V
- Is any part of the cluster resolved into stars? edges
- Is any mottling visible? to 1/2 across it
- Can the edges be resolved? yes - a few stars
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description _____

Observing Log
Object type: **Globular Cluster**

#110

Object ID: Nb 6355

Const.: Opn

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer BY

Date 6/2/5

Time 1:45 AM

Location RMCC

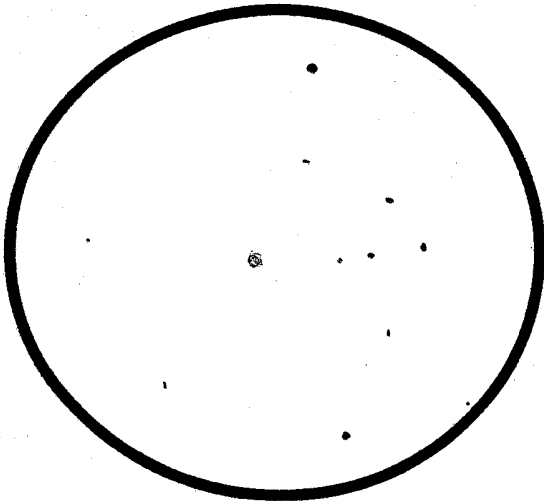
Seeing II Transparency III

Instrument ETX 125

Size 125

Eyepiece 12.4

Field of view _____ Power 153x



- Can this cluster be seen with direct vision, or is averted vision required? not use
- Is the core unusually bright, compact or not distinguishable?
- Is this globular cluster highly or loosely concentrated? IX
- Is any part of the cluster resolved into stars? No
- Is any mottling visible? No
- Can the edges be resolved? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Even glow - not easily noted

Observing Log
Object type: Globular Cluster

#168

Object ID: Ngc 6712

Const.: Scu

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer BY

Date 6/2/5

Time 2:35 AM

Location RMCC

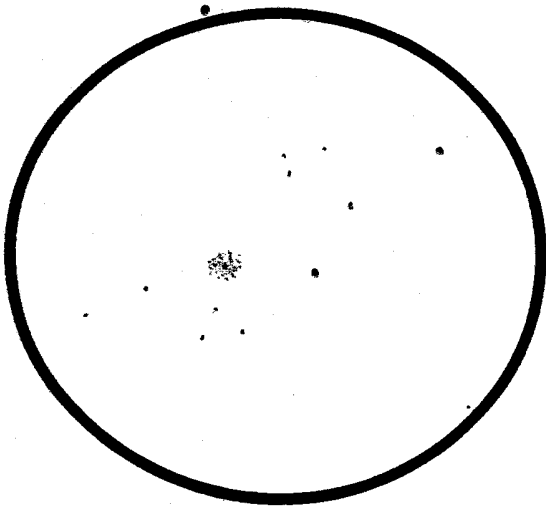
Seeing II Transparency III

Instrument ETX 125

Size 125

Eyepiece 12.4

Field of view _____ Power 153



- Can this cluster be seen with direct vision, or is averted vision required?
- Is the core unusually bright, compact or really not distinguishable?
- Is this globular cluster highly or mod loosely concentrated? VIII
- Is any part of the cluster resolved into stars? Edges & 1/2 m
- Is any mottling visible? Yes - to core
- Can the edges be resolved? Yes
- Are there any other deep-sky objects in the same field of view? If so, what? no

Description _____

Observing Log
Object type: Globular Cluster

#171

Object ID: Nbe 6760

Const.: Ans

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer BY

Date 6/2/5

Time 2:45 AM

Location RMce

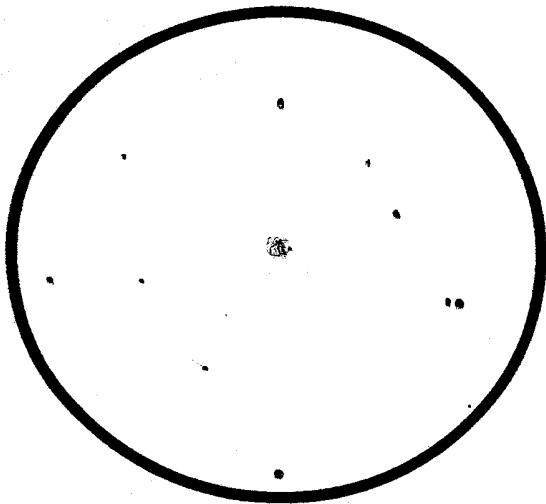
Seeing II Transparency III

Instrument ETX 125

Size 125

Eyepiece 12.4

Field of view _____ Power 153x



- Can this cluster be seen with direct vision, or is averted vision required? use
- Is the core unusually bright, compact or not distinguishable?
- Is this globular cluster highly or loosely concentrated? III or IV
- Is any part of the cluster resolved into stars? No
- Is any mottling visible? No
- Can the edges be resolved? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description _____

Observing Log
Object type: Globular Cluster

#141

Object ID: NGC 6835

Const.: Ser

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer BY

Date 6/2/5

Time 3:00 CDK

Location RMCA

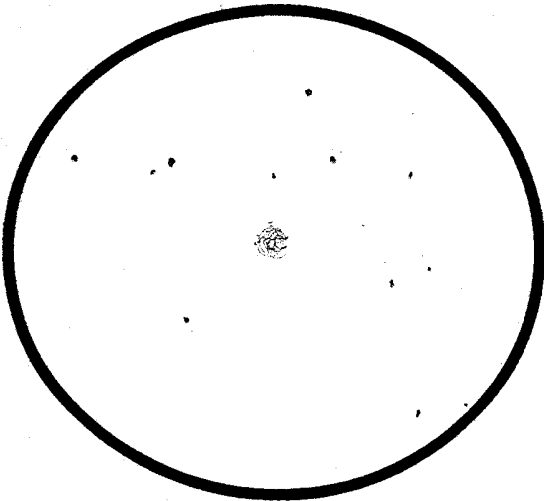
Seeing II Transparency III

Instrument 8"X12.5

Size 12.5

Eyepiece 12.4

Field of view _____ Power 153x



- Can this cluster be seen with direct vision, or is use averted vision required? not very
- Is the core unusually bright, compact or not distinguishable?
- Is this globular cluster highly or loosely concentrated? VIII
- Is any part of the cluster resolved into stars? edges hmb
- Is any mottling visible? hmb
- Can the edges be resolved? hmb
- Are there any other deep-sky objects in the same field of view? If so, what? no

Description _____

Observing Log
Object type: Globular Cluster

#142

Object ID: NbC 6539

Const.: Ser

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer BY

Date 6/2/5

Time 3:10 CDT

Location UMCC

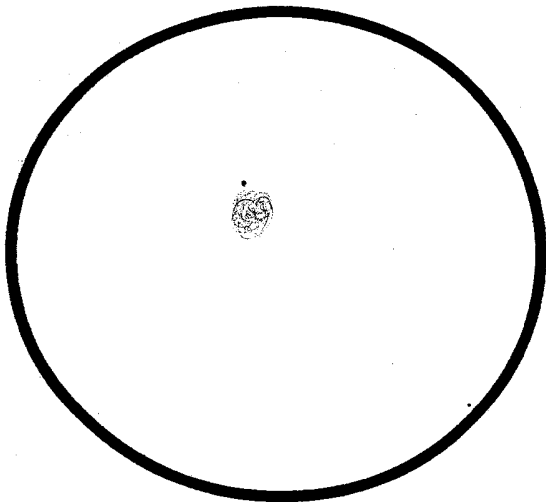
Seeing TL Transparency H-

Instrument ETX 125

Size 125

Eyepiece 12.4

Field of view _____ Power 103



- Can this cluster be seen with direct vision, or is averted vision required?
- Is the core unusually bright, compact or not distinguishable?
- Is this globular cluster highly or loosely concentrated? IX or more
- Is any part of the cluster resolved into stars? No
- Is any mottling visible? Barely
- Can the edges be resolved? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description _____

Observing Log
Object type: Globular Cluster

#137

Object ID: NbC 6517

Const.: Ser

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer B7

Date 6/2/5

Time 3:15 AM

Location RMCE

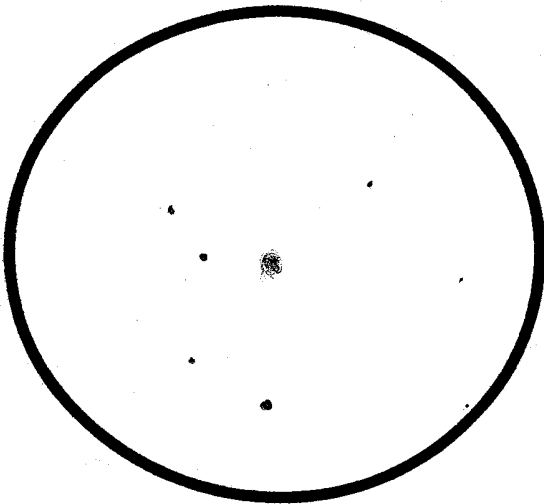
Seeing II Transparency II-

Instrument ETX 125

Size 125

Eyepiece 12.4

Field of view _____ Power 153x



- Can this cluster be seen with direct vision, or is averted vision required? by eye
- Is the core unusually bright, compact or not distinguishable? core in between
- Is this globular cluster highly or loosely concentrated? V
- Is any part of the cluster resolved into stars? None at edges
- Is any mottling visible? None
- Can the edges be resolved? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description _____

Observing Log
Object type: Globular Cluster

#177

Object ID: M55

Const.: Sgr

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer BY

Date 6/2/8

Time 3:25 CDT

Location RMCC

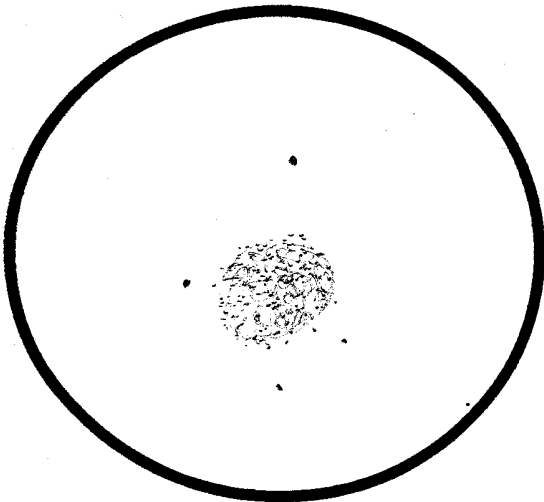
Seeing II Transparency III

Instrument ETX 125

Size 125

Eyepiece 12.4

Field of view _____ Power 153x



- Can this cluster be seen with direct vision, or is averted vision required?
- Is the core unusually bright, compact or not distinguishable?
- Is this globular cluster highly or loosely concentrated? IX
- Is any part of the cluster resolved into stars? Yes - all across face
- Is any mottling visible? Yes
- Can the edges be resolved? Easily
- Are there any other deep-sky objects in the same field of view? If so, what? No

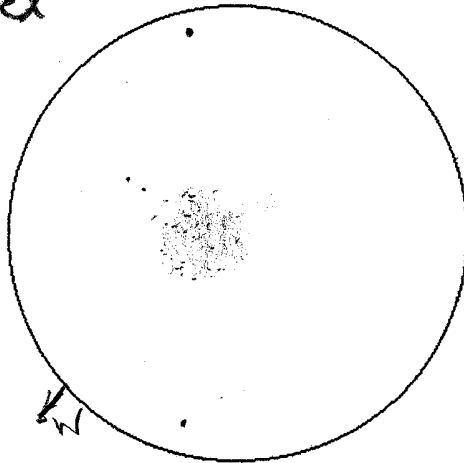
Description _____

Observation Log Sheet

76
REVISIT

Object N6c 5897 Date 7/2/5
 Constellation LIG Time 11:20 CK
 Magnitude _____ Seeing: Transparency II-
 Concentration Class X or XI Steadiness III
 Location RMCE Telescope EDX-125
 Eyepiece / Magnification 12.4 / 153x

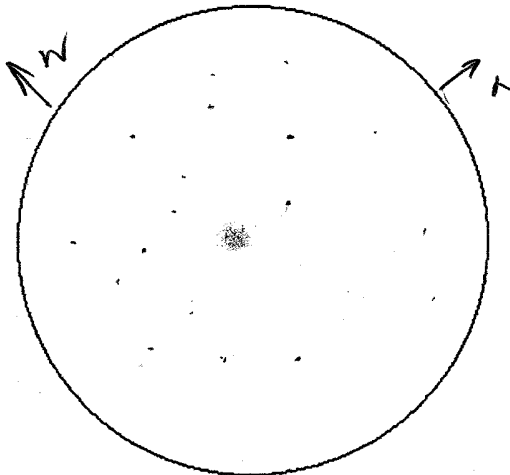
Notes: Very loose,
 newly resolved
 by dim
 due to size



Object N6c 6535 Date 7/2/5
 Constellation SEX Time 11:35 CDT
 Magnitude _____ Seeing: Transparency II-
 Concentration Class VIII Steadiness III
 Location RMCE Telescope EDX 125
 Eyepiece / Magnification 12.4 / 153x

141
REVISIT

Notes:



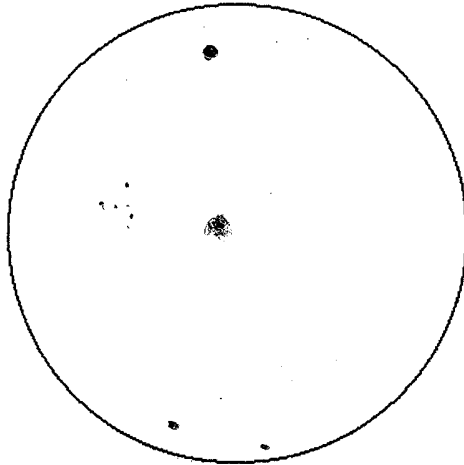
Observation Log Sheet

Object Ngc 652 Date 7/3/5
 Constellation SGR Time 12:05 COT
 Magnitude _____ Seeing: Transparency II-
 Concentration Class IV Steadiness II-
 Location RMCC Telescope BTX 125
 Eyepiece / Magnification 12.4 / 153x

161
 REMSIT

Notes:

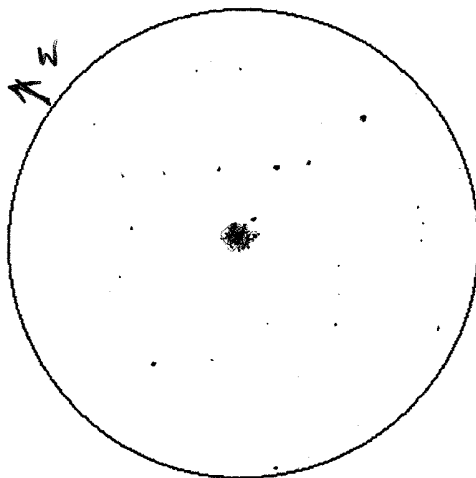
HINTS OF
 AD on
 EDGES
 BUT NOT
 MC



Object M70 Date 7/3/5
 Constellation SGR Time 12:10 COT
 Magnitude _____ Seeing: Transparency II-
 Concentration Class IV Steadiness II-
 Location RMCC Telescope BTX 125
 Eyepiece / Magnification 12.4 / 153x

164
 REMSIT

Notes:

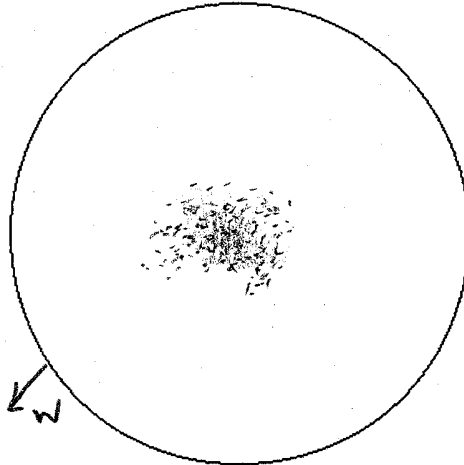


Observation Log Sheet

162
REVISIT

Object M22 Date 7/1/5
 Constellation SGR Time 10:45 CA
 Magnitude 7 Seeing: Transparency II
 Concentration Class IX Steadiness II
 Location LMCC Telescope ETX 125
 Eyepiece / Magnification 12.4/153x

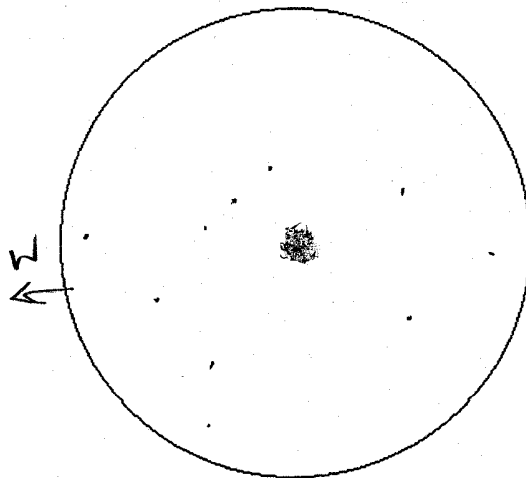
Notes:



Object M19 Date 7/1/5
 Constellation OPH Time 10:55 CA
 Magnitude 8 Seeing: Transparency II
 Concentration Class VII Steadiness II
 Location LMCC Telescope ETX 125
 Eyepiece / Magnification 12.4/153x

100
REVISIT
#1

Notes:

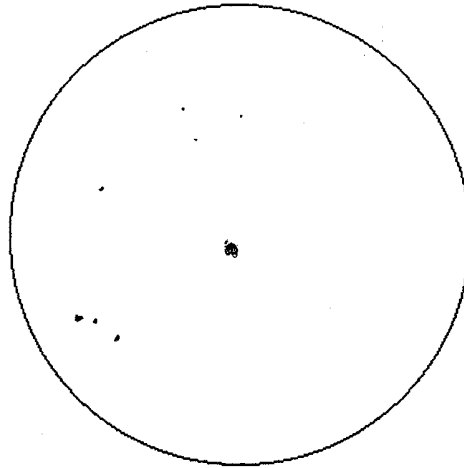


Observation Log Sheet

Object N6C 6284 Date 7/1/15
Constellation Orb Time 11:10 COT
Magnitude 9.5 Seeing: Transparency II
Concentration Class III Steadiness II
Location RMCC Telescope 8" X 125
Eyepiece / Magnification 12.4 / 153X

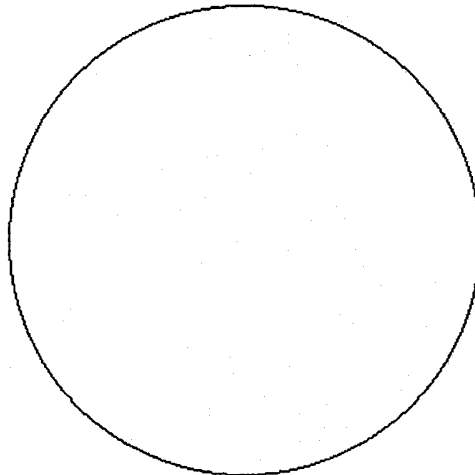
101
REVISIT

Notes:



Object _____ Date _____
Constellation _____ Time _____
Magnitude _____ Seeing: Transparency _____
Concentration Class _____ Steadiness _____
Location _____ Telescope _____
Eyepiece / Magnification _____

Notes:

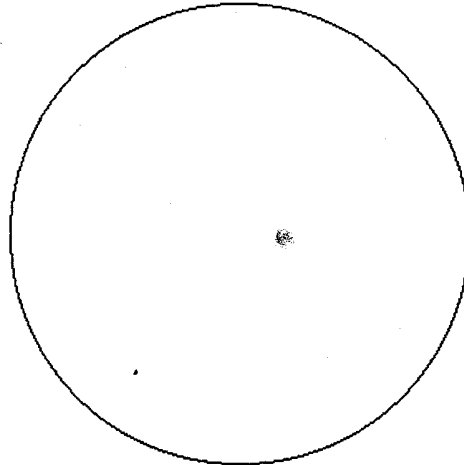


Observation Log Sheet

Object M19 Date 6/12/5
 Constellation Orion Time 12:15 AM CBS
 Magnitude _____ Seeing: Transparency III-
 Concentration Class II Steadiness II-
 Location Home Telescope ETX 125
 Eyepiece / Magnification 153X / 12.4mm

100
 REVISIT
 #2

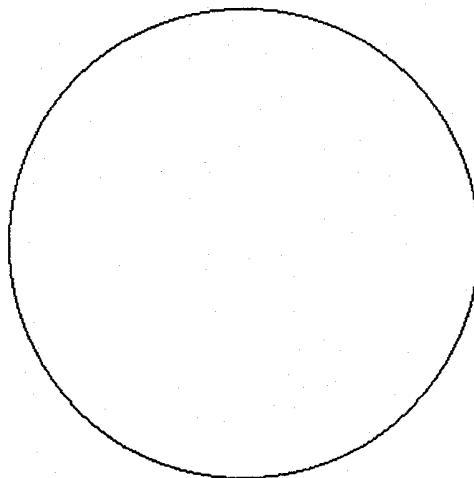
Notes:



AMAZING -
 I SEE IT AS
 VERY CONDENSED
 (II) & NO RES
 IN CITY, BUT KEEP
 THINKING IT'S
 LOOSER IN COUNTRY.

Object _____ Date _____
 Constellation _____ Time _____
 Magnitude _____ Seeing: Transparency _____
 Concentration Class _____ Steadiness _____
 Location _____ Telescope _____
 Eyepiece / Magnification _____

Notes:



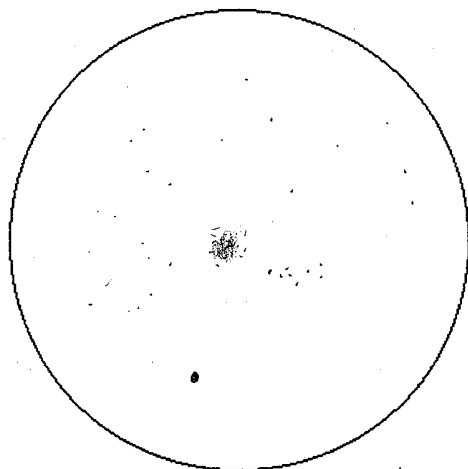
Observation Log Sheet

Object NGC 6544 Date 7/9/15
 Constellation SGR Time 11:40 CDT
 Magnitude 9 Seeing: Transparency III
 Concentration Class VI Steadiness II
 Location RMCC Telescope ETX 125
 Eyepiece / Magnification 12.4 / 15x

146
 RENSIT

Notes:

Nice, not too
 compact, several
 res'd across
 face

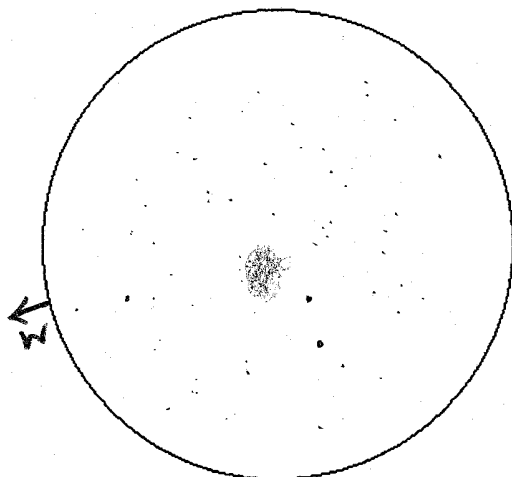


Object NGC 6553 Date 7/9/15
 Constellation SGR Time 11:05 CDT
 Magnitude 8 Seeing: Transparency III
 Concentration Class VII Steadiness II
 Location RMCC Telescope ETX 125
 Eyepiece / Magnification 12.4 / 15x

148
 RENSIT

Notes:

Larger & looser
 (res across face
 (RSMV)
 w/ "ac 13" @ 15°



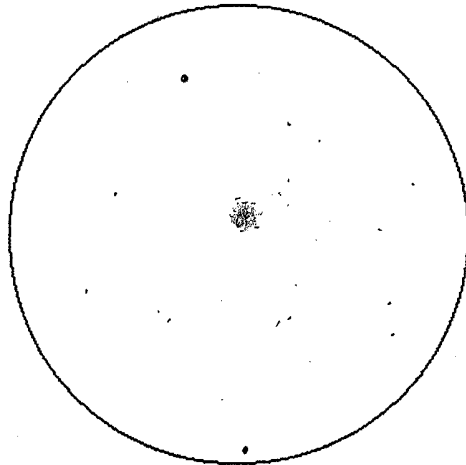
Observation Log Sheet

Object NGC 6652 Date 7/10/5
 Constellation SGR Time 12:05 CDT
 Magnitude 9 Seeing: Transparency III
 Concentration Class IV Steadiness II
 Location RMCE Telescope ETX 125
 Eyepiece / Magnification 12.4 / 153x

161
 REVISIT

Notes:

mod well res'd
 on edges -
 nice central cond

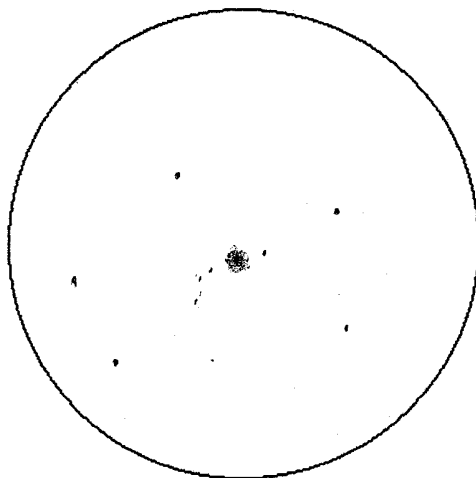


Object NGC 6624 Date 7/10/5
 Constellation SGR Time 12:10 CDT
 Magnitude 8 Seeing: Transparency III
 Concentration Class III Steadiness II
 Location RMCE Telescope ETX 125
 Eyepiece / Magnification 12.4 / 153x

156
 REVISIT

Notes:

Denser,
 not much
 res exc edges

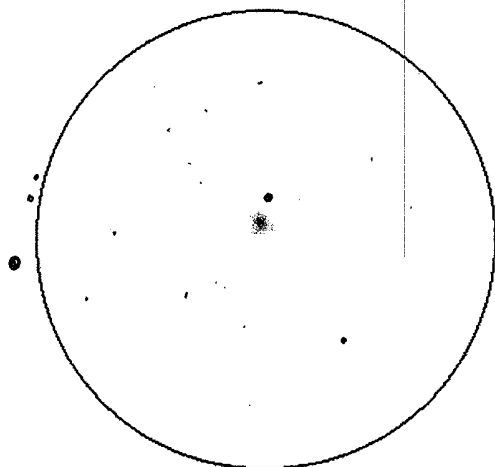


Observation Log Sheet

Object NGC 6717 Date 7/10/15
 Constellation SGR Time 1100 CDT
 Magnitude 8.9 Seeing: Transparency II-
 Concentration Class II Steadiness II
 Location LMCC Telescope ETX 125
 Eyepiece / Magnification 12.4 / 173x

167
REVISIT

Notes:

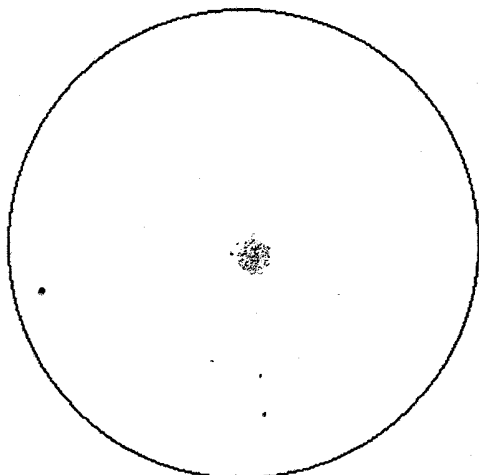


No res-
 title
 Very easy
 to find!
 I thought
 it was 9m
 though

Object NGC 6760 Date 7/10/15
 Constellation AQL Time 1110 CDT
 Magnitude 9 Seeing: Transparency II-
 Concentration Class X Steadiness II
 Location LMCC Telescope ETX 125
 Eyepiece / Magnification 12.4 / 157x

171
REVISIT

Notes:



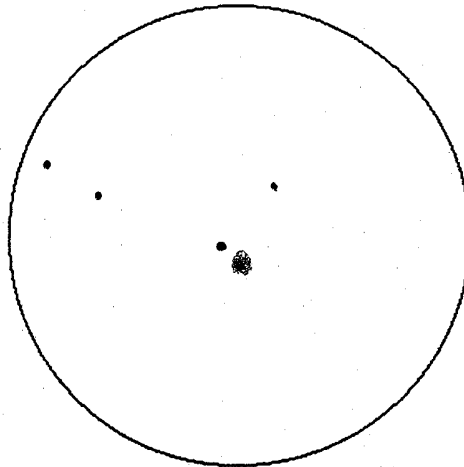
Loose, big,
 res'd across
 face now

Observation Log Sheet

Object NGC 6934 Date 7/10/5
 Constellation DEL Time 1:15 CD
 Magnitude 8 Seeing: Transparency II-
 Concentration Class V Steadiness II
 Location RMCC Telescope ETX 125
 Eyepiece / Magnification 12.4/153x

182
 REVISIT

Notes:

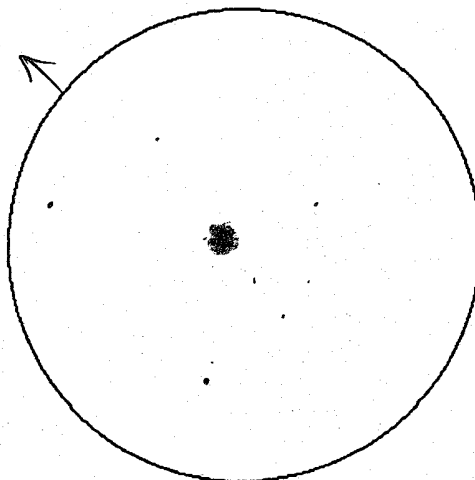


Granular - pretty
 fine

Object M2 Date 7/10/5
 Constellation AQR Time 1:25 CD
 Magnitude 6 Seeing: Transparency II-
 Concentration Class IV Steadiness II
 Location RMCC Telescope ETX 125
 Eyepiece / Magnification 12.4/153x

186
 REVISIT

Notes:



Mottled all across
 but brightish

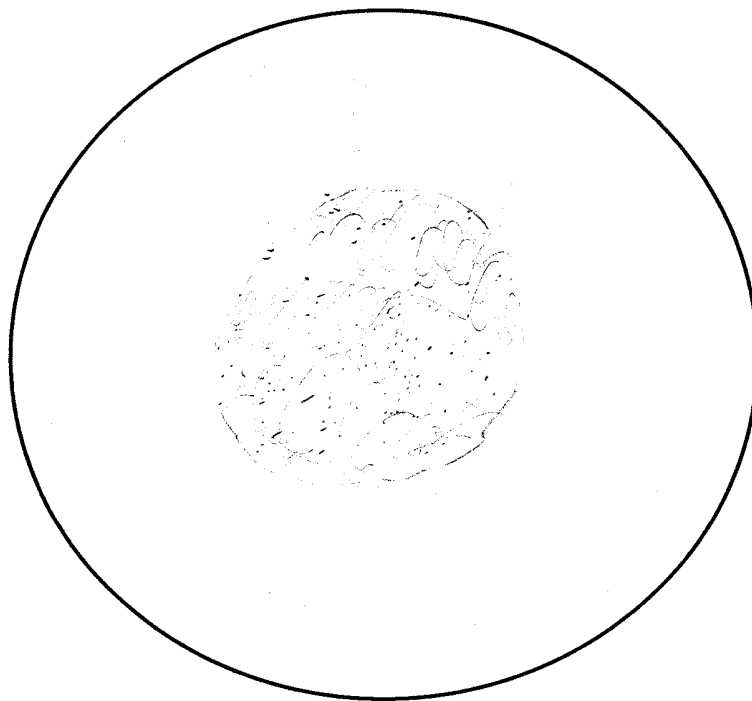
DATE 6/1/5 TIME 10:40 CST CDT CLARITY I I III IV V SEEING III III IV V

INSTRUMENT ETX-125 50 x 800 mm RR 10x50 EYE

POWER 10 47 73 153 190 316 475 20 30 64 80 133 200

OBJECT w Cen FILTER NO NB WB OIII

OBS. PROGRAM GCOC LOCATION RMCO HOME



Very large dom glow w/ hints
of res'd stars all across w/
moments of steadiness

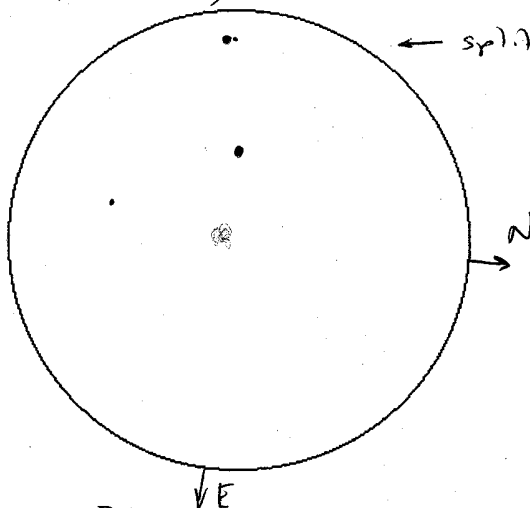
5° up Impossible to draw!

Observation Log Sheet

#51
DUPLICATE

Object Nbc 2149(CR) Date 2/5/06
 Constellation Lyn Time 2:00 UT
 Magnitude 11 Seeing: Transparency IV
 Concentration Class _____ Steadiness III
 Location RMCC Telescope ETX 125
 Eyepiece / Magnification 12.4 / 153x

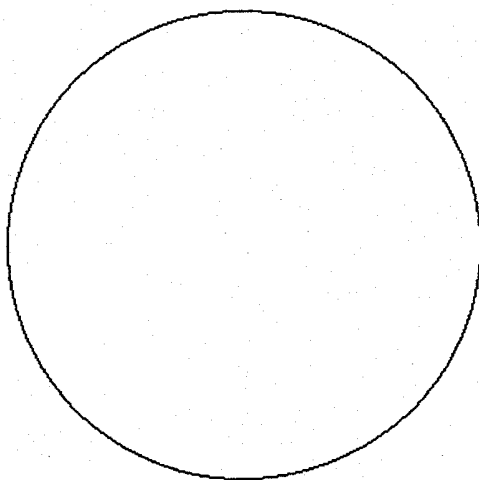
Notes: Poor night but
 during "holes" in building
 cloud I could
 see small
 hazy fuzzball
 w/ no res &
 no nucleus



← split dbl easy w 153x

Object _____ Date _____
 Constellation _____ Time _____
 Magnitude _____ Seeing: Transparency _____
 Concentration Class _____ Steadiness _____
 Location _____ Telescope _____
 Eyepiece / Magnification _____

Notes:



Observing Log
Object type: Globular Cluster

#62
DUPLICATE

Object ID: M68

Const.: Hya

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer B7

Date 6/2/5

Time 11:42 CDT

Location RMCC

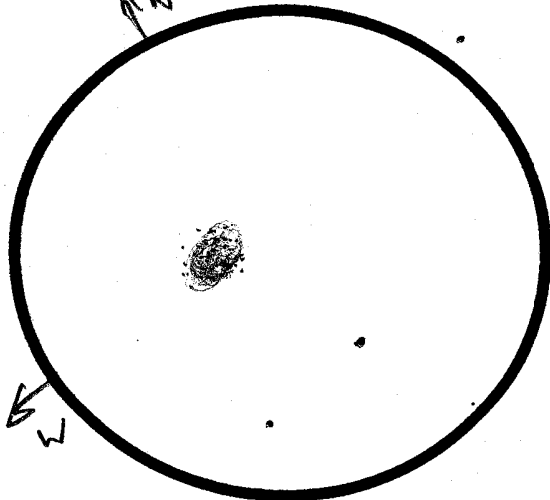
Seeing II Transparency III

Instrument ETX 125

Size 125

Eyepiece 12.4

Field of view _____ Power 153



- Can this cluster be seen with direct vision, or is averted vision required?
- Is the core unusually bright, compact or not distinguishable?
- Is this globular cluster highly or loosely concentrated?
- Is any part of the cluster resolved into stars? Across face
- Is any mottling visible? Yes
- Can the edges be resolved? Yes
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Class VII

Observing Log
Object type: ~~Globular~~ Cluster
OPEN

DSA
DSO

CIM/UNITS

Object ID: M35

Const.: _____

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer B. Younk

Date 2/18/10

Time 8:40 pm CST

Location Home

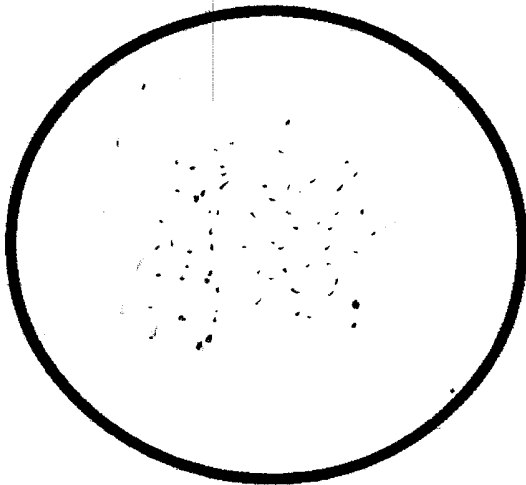
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view _____ Power 75



- Can this cluster be seen with direct vision, or is averted vision required?
- Is the core unusually bright, compact or not distinguishable?
- Is this ~~globular~~ cluster highly or loosely concentrated?
- Is any part of the cluster resolved into stars? All
- Is any motting visible? N/A
- Can the edges be resolved? N/A
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description CLUMPS BECOME DOUBLES, MAIN PATTERN
HARDER TO DISCERN.

Observing Log
Object type: Globular Cluster

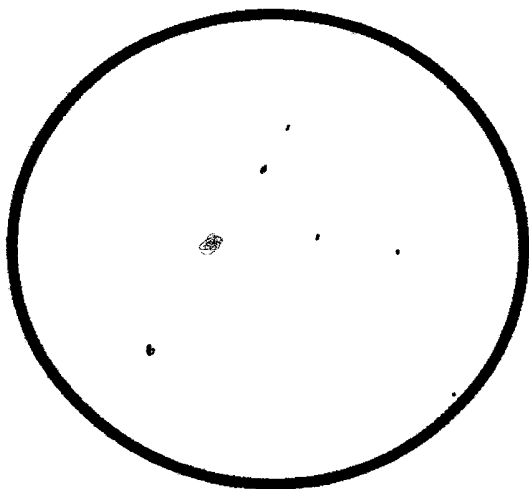
DSA
DSO

Object ID: M79

Const.: _____

RA: _____ Dec.: _____

Mag: _____ Size: _____



Observer B. YOUNG

Date 2/18/9

Time 8:25 CST

Location HOME

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2X42

Field of view _____ Power 75X

- Can this cluster be seen with direct vision, or is averted vision required?
- Is the core unusually bright, compact or not distinguishable?
- Is this globular cluster highly or loosely concentrated?
- Is any part of the cluster resolved into stars? No
- Is any mottling visible? No
- Can the edges be resolved? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Black spot of area

Planetary Nebula Club
Observing Log

DSA

DSO

w & w/o lights

Observer's name: B. Young

Object: <u>M97</u>	Location: <u>HOME</u>
Date: <u>3/5/10</u>	Time: <u>8:15 PM</u>
Seeing: <u>III</u>	Transparency: <u>III</u>
Darkness of the site: <u>B + 7</u>	Moon phase: <u>—</u>
Aperture and focal ratio: <u>12" f/5</u>	Magnification(s) used: <u>90x</u>
Device-aided? <u>NO</u>	Color(s) seen: <u>NONE</u>
Filters used: <u>N/A</u>	Is filter required to detect the PN? <u>NO</u>
Is the central star visible? <u>NO</u>	Direct or averted vision?

How does the planetary respond to different magnifications?

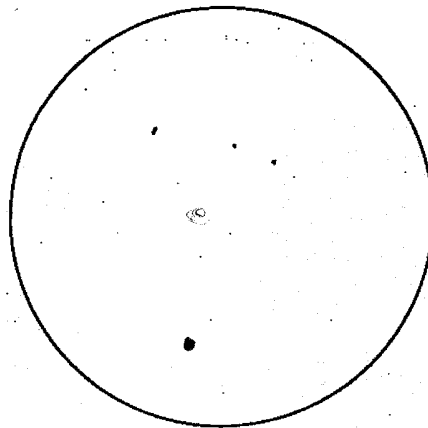
N/A

Description: (Sketch is optional unless a negative observation.)

Slight hint of it
w/o light shining
on me, averted vision
only. No hope with
lights on scope.

So:

NEGATIVE OBSERVATION
WITH LIGHTS ON SCOPE



Observing Log

Object type: Nebula

PSA
DSO
C17/14423

Object ID: M42

Const.: _____

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer B. Young

Date 2/18/10

Time 9:00 CST

Location Home

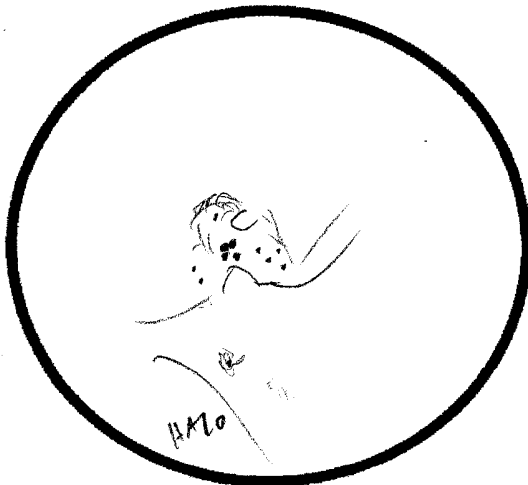
Seeing II Transparency II

Instrument X7-12

Size 12

Eyepiece 2X42

Field of view _____ Power 75x



- Can this nebula be seen with direct vision, or is averted ^{vision} required? e
- Is there an overall shape of the object or is it simply irregular? e
- Is any part of the outer edge of the nebula sharply defined? Hints of the spines
- Is any part of the nebula brighter or more concentrated? Yes - but not like the center
- Is there any particular area where you notice an absence of stars in this cluster? —
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? Absolutely, but nothing like the former
- Is there an open cluster nearby or involved or any obvious stars involved with this nebula? demis
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)? Don't see
- Are there any other deep-sky objects in the same field of view? If so, what? M43

Description Textures & slight color impossible

Observing Log

Object type: Galaxy

DSA
DSO

CMY/UNIT

Object ID: M31/M32

Const.: _____

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer B. YOUNG

Date 2/18/10

Time 8:10 CST

Location HOME

Seeing II Transparency II

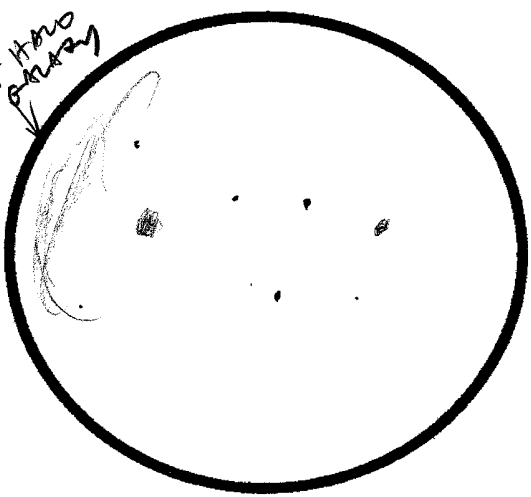
Instrument XE-12

Size 12

Eyepiece 2x42

Field of view _____ Power 75x

Light Halo
not galaxy



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? cores only
- Is a core noticeable? Only things seen
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? Nothing only M31.
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? Each other

Description Looks like 2 ellipticals

Observing Log Object type: Galaxy

OSA

DSO

CITY/LHHS

Object ID: M 81 / M 82

Const.: _____

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer B. Yamb

Date 2/18/10

Time 9:15 pm

Location Home

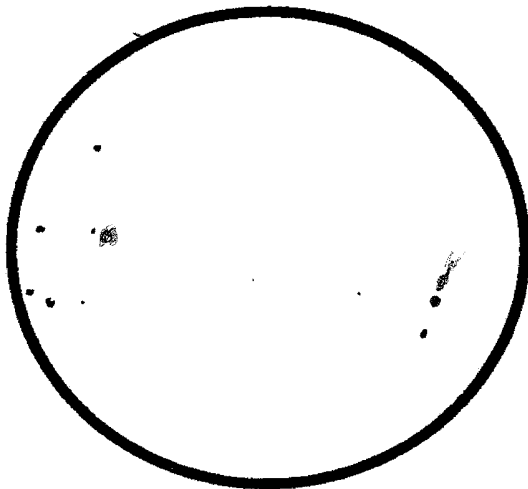
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2X42

Field of view _____ Power 75



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? M 81 Round / M 82 "Dumb"
- Is a core noticeable? Y/Y
- Is the core compact or stellar?
M 81 M 82 - If seen @ all
- Can any detail be seen between the core and the outer envelope of the object? Some M 82 but no envelope
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)?
M 82 h m t s
- Are there any other deep-sky objects in the same field of view? If so, what? Each other

Description Waisted by 1 m h r

Observing Log

Object type: ~~Globular~~ Cluster
OPEN

DSA
DSO

CITY/NO LIGHTS

Object ID: M35

Const.: _____

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer B. Young

Date 2/18/10

Time 8:50 pm CST

Location Home

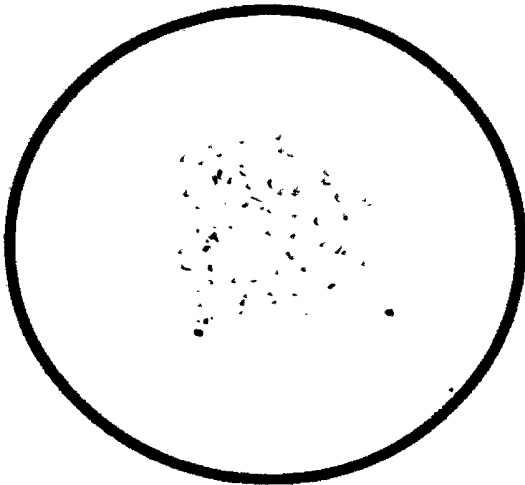
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x 42

Field of view _____ Power 75



- Can this cluster be seen with direct vision, or is averted vision required?
- Is the core unusually bright, compact or not distinguishable? N/A
- Is this globular cluster highly or loosely concentrated?
- Is any part of the cluster resolved into stars? All
- Is any mottling visible? N/A
- Can the edges be resolved? N/A
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description SOME FUZZY BUT STILL NOT AS VIBRANT

Observing Log
Object type: Open Cluster

OSA
CITY w/o lights

Object ID: M11

Const.: Scu

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer B. Yount

Date 6/9/10

Time 12:00 am CDT

Location Home

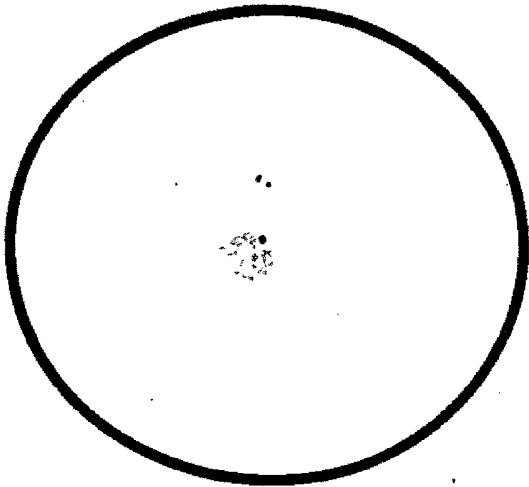
Seeing II Transparency III

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view 0.6 Power 75x



- Can this cluster be easily distinguished from the background stars? Yes
- What is the overall shape of the object? Horseshoe
- How many stars can you count in the cluster? ~25
- Are the stars more concentrated in any one particular area? new brighter star
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? Light concentration in middle
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? Yes
- Are there any other deep-sky objects in the same field of view? If so, what? no

Description _____

Observing Log
Object type: Globular Cluster

DSA

DSO

CITY/NO LIGHT

Object ID: M79

Const.: _____

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer B. Young

Date 2/18/10

Time 8:30

Location Home

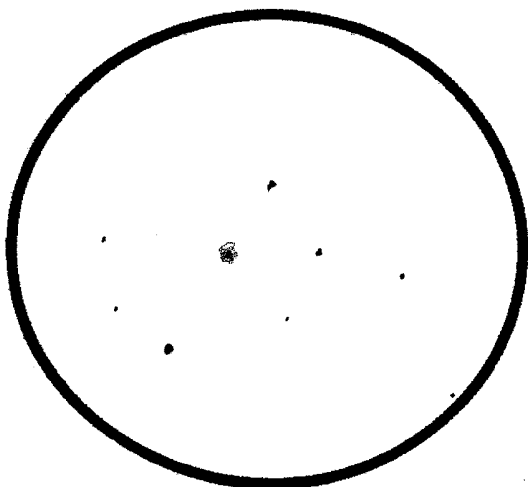
Seeing II Transparency II

Instrument Xt-12

Size 12

Eyepiece 2x42

Field of view _____ Power 75x



- Can this cluster be seen with direct vision, or is averted vision required?
- Is the core unusually bright, compact or not distinguishable?
- Is this globular cluster highly or loosely concentrated?
- Is any part of the cluster resolved into stars? hmt @ edges
- Is any mottling visible? Brchly
- Can the edges be resolved? hmt
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Some hmts @ edges

Observing Log

Object type: Cluster/Nebula

DSA

CITY w/o LIGHTS

Object ID: M13

Globular

Const.: Her

Observer B. Yount

RA: _____ Dec.: _____

Date 6/9/10

Mag: _____ Size: _____

Time 2:40 am CDT

Location Hans

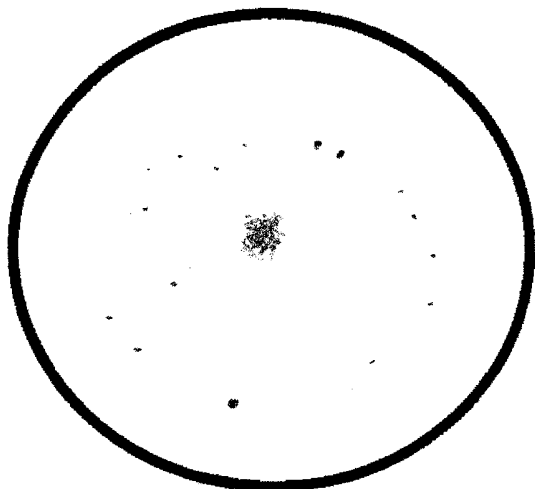
Seeing II Transparency III

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view 0.6 Power 75x



- Can both the cluster and nebula be seen with direct vision, or is averted vision required?
- Is there an overall shape of the object or is it simply irregular? Roundish
- Is any part of the outer edge of the nebula sharply defined? Some hints star
- Are the stars more concentrated in any one particular area? How many stars are in the cluster? Fairly Concentrated
- ~~Is the cluster embedded in the nebulosity or is there a distinct separation?~~ Some noting
- Is any part of the GC nebula brighter or more concentrated? No real nucleus - just glow
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? No
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)? Dark Sky
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description _____

Observing Log
Object type: Globular Cluster

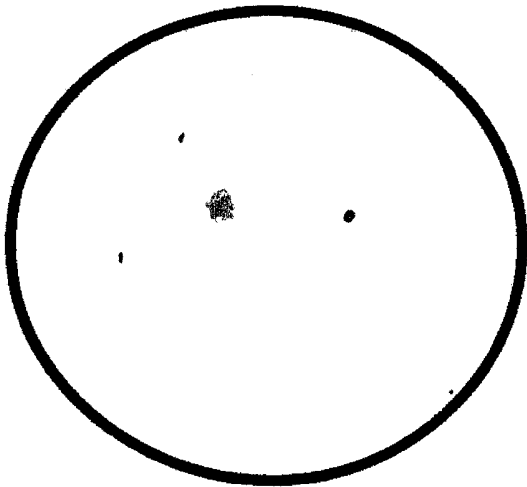
DSA
City w/ light HT

Object ID: MB

Const.: Com

RA: _____ Dec.: _____

Mag: _____ Size: _____



Observer B. Yant

Date 6/9/10

Time 12:20 am CDT

Location Home

Seeing II Transparency III

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view 29.6 Power 75

- Can this cluster be seen with direct vision, or is averted vision required?
- Is the core unusually bright, compact or not distinguishable?
- Is this globular cluster highly or loosely concentrated? ?
- Is any part of the cluster resolved into stars? edges
- Is any mottling visible? a little
- Can the edges be resolved? slightly
- Are there any other deep-sky objects in the same field of view? If so, what? W

Description _____

Observing Log

Object type: Planetary Nebula

DSA

Object ID: M5

globular cluster

C100

w/o CLHTJ

Const.: Ser

Observer B. Yount

RA: _____ Dec.: _____

Date 6/9/10

Mag: _____ Size: _____

Time 1235 am CDT

Location Home

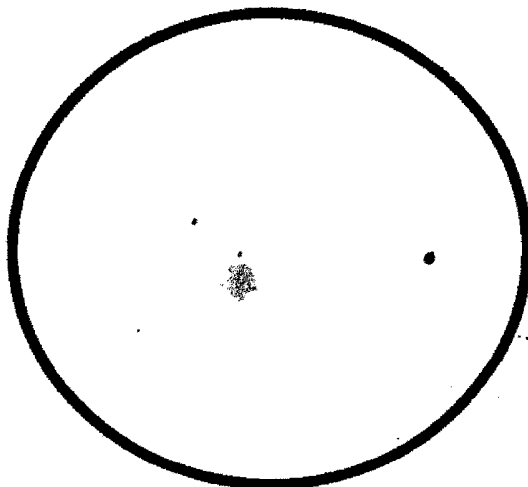
Seeing II Transparency III

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view 0.6 Power 75x



- What is the overall shape? Orbit w/ slight oblong shape
- Is this planetary easy or difficult to identify in your field? Easy
- What is the color of this planetary? Core? Not noticeable
- Is it disk-shaped or is it more stellar in appearance? Can't tell about density of concentration.
- Are the edges of the disk sharp or diffuse? Some nothing
- Is the center brighter, darker, or the same brightness as the edges? Some hint of stars @ edge
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? No.

Description _____

Planetary Nebula Club
Observing Log

DSA
CITY w/LIGHTS

Observer's name: B. Young

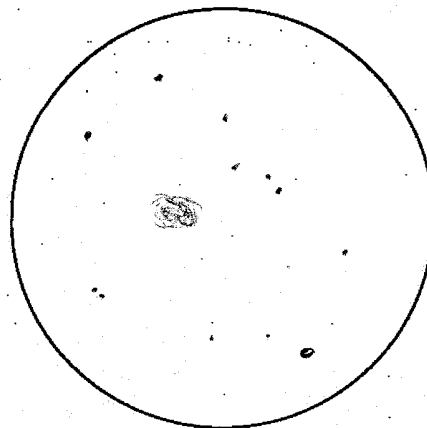
Object: <u>M27</u>	Location: <u>Home</u>
Date: <u>6/9/10</u>	Time: <u>1:00 AM CDT</u>
Seeing: <u>II</u>	Transparency: <u>III</u>
Darkness of the site: <u>Bortle + 7</u>	Moon phase: <u>—</u>
Aperture and focal ratio: <u>12" f/5</u>	Magnification(s) used: <u>75X</u>
Device-aided? <u>No</u>	Color(s) seen: <u>None</u>
Filters used: <u>No</u>	Is filter required to detect the PN? <u>No</u>
Is the central star visible? <u>No</u>	☒ Direct or averted vision?

How does the planetary respond to different magnifications?

N/A

Description: (Sketch is optional unless a negative observation.)

Slight notch in E
side otherwise a
washed out glow



Observing Log
Object type: Planetary Nebula

DSA
CITY w/o lights

Object ID: M57

Const.: Lyr

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer B. Young

Date 6/9/10

Time 12:45 am CDT

Location Home

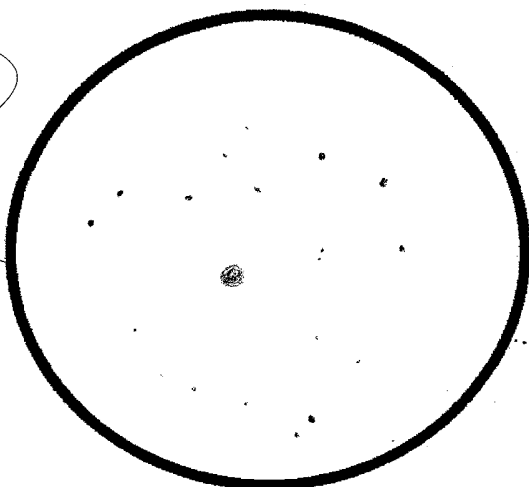
Seeing II Transparency III

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view 0.6 Power 75x



- What is the overall shape? Smoke ring
- Is this planetary easy or difficult to identify in your field?
- What is the color of this planetary? None
- Is it disk-shaped or is it more stellar in appearance?
- Are the edges of the disk sharp or diffuse?
- Is the center brighter, darker, or the same brightness as the edges?
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? No.

Description _____

Observing Log

Object type: Cluster/Nebula

DSA
CITY w/o LIGHTS

Object ID: M16

Const.: Ser

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer B. Yant

Date 6/9/10

Time 1:05 AM CST

Location Home

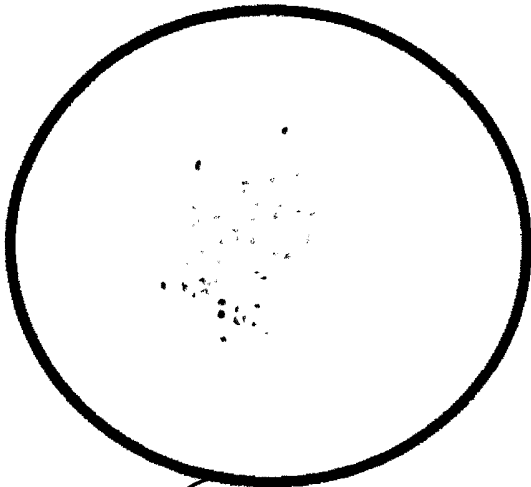
Seeing II Transparency III

Instrument X7-12

Size 12

Eyepiece 2x42

Field of view 0.6 Power 75X



- Can both the cluster and nebula be seen with direct vision, or is averted vision required? No
- Is there an overall shape of the object or is it simply irregular? ? can't see nebula!
- Is any part of the outer edge of the nebula sharply defined? N/A ↑
- Are the stars more concentrated in any one particular area? How many stars are in the cluster? Yes, in
- Is the cluster embedded in the nebulosity or is there a distinct separation? ? way back
- Is any part of the nebula brighter or more concentrated? ?
- Is there any particular area where you notice an absence of stars in this cluster? "under" band
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? ?
- Any suggestions for observing this nebula (i.e. filter, power, field of view, etc.)? DARK SKY
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description _____

Observing Log

Object type: Nebula

DSA

DSO

CITY/NO LIGHT

Object ID: M42

Const.: _____

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer B. YOUNG

Date 2/18/10

Time 9:10pm CST

Location Home

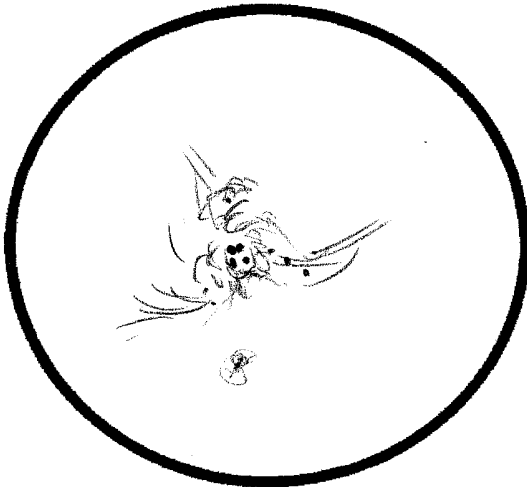
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2X42

Field of view _____ Power 75x



- Can this nebula be seen with direct vision or is averted vision required?
- Is there an overall shape of the object or is it simply irregular? e
- Is any part of the outer edge of the nebula sharply defined? Edges/spikes
- Is any part of the nebula brighter or more concentrated? More texture
- Is there any particular area where you notice an absence of stars in this cluster? —
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? patches & texture bottom
- Is there an open cluster nearby or involved or any obvious stars involved with this nebula? Yes + M43
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)? DARK SUE
- Are there any other deep-sky objects in the same field of view? If so, what? M43

Description _____

Observing Log

Object type: Galaxy

DSA

DSO

C17/NO LIGHT

Object ID: M31/M32

Const.: _____

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer B. Young

Date 2/18/10

Time 8:00pm

Location Home

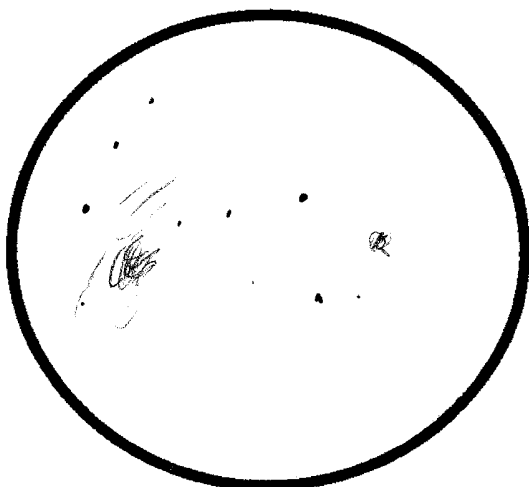
Seeing II Transparency II

Instrument Xt-12

Size 12

Eyepiece 2x42

Field of view _____ Power 75



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? M31 some hint of oval outlying nebula
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object?
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling ^{M31} be seen in the outer envelope (bright or dark patches or lanes)?
- Are there any other deep-sky objects in the same field of view? If so, what? Each other

Description 10m to @ M31 - none @ M32

Observing Log Object type: Galaxy

DSA
DSO
CITY/NO LIGHTS

Object ID: M81/M82

Const.: _____

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer B. YOUNG

Date 2/18/10

Time 9:25

Location HOME

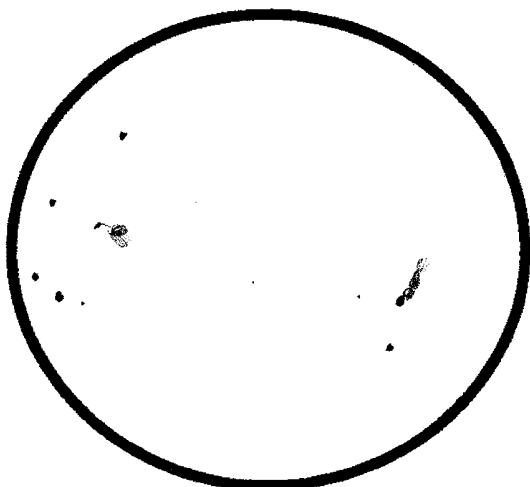
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2X42

Field of view _____ Power 75X



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? oval / point
- Is a core noticeable? 7/4
- Is the core compact or stellar? m82
- Can any detail be seen between the core and the outer envelope of the object? no/some mottle
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? m82
- Are there any other deep-sky objects in the same field of view? If so, what? both other

Description A little more detail - still nothing like it
RMCC

**Planetary Nebula Club
Observing Log**

DSA
DSO
(Dark Sky)

Observer's name: B. Young

Object: <u>M33</u>	Location: <u>LMC</u>
Date: <u>2/12/10</u>	Time: <u>8:25 PM</u>
Seeing: <u>#</u>	Transparency: <u>#</u>
Darkness of the site: <u>Bortle 4</u>	Moon phase: <u>NEW</u>
Aperture and focal ratio: <u>12" f/5</u>	Magnification(s) used: <u>75x</u>
Device-aided? <u>NO</u>	Color(s) seen: <u>None</u>
Filters used: <u>NO</u>	Is filter required to detect the PN?
Is the central star visible? <u>N/A</u>	<u>Direct</u> or averted vision?

How does the planetary respond to different magnifications?

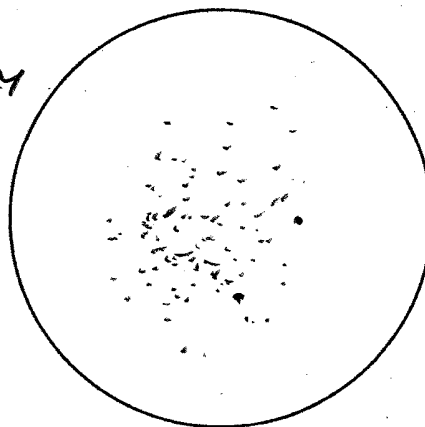
N/A

Description: (Sketch is optional unless a negative observation.)

FILLS FIELD WITH RICH
STREAMS & KNOTS ESPECIALLY
MAIN FIGURE OF



WITH 2 BRIGHTER STARS
AT EDGE.



Observing Log
Object type: Open Cluster

DSA
DS

Object ID: M11

Const.: _____

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer B. Young

Date 5/7/10

Time 2:55 am

Location RMCC

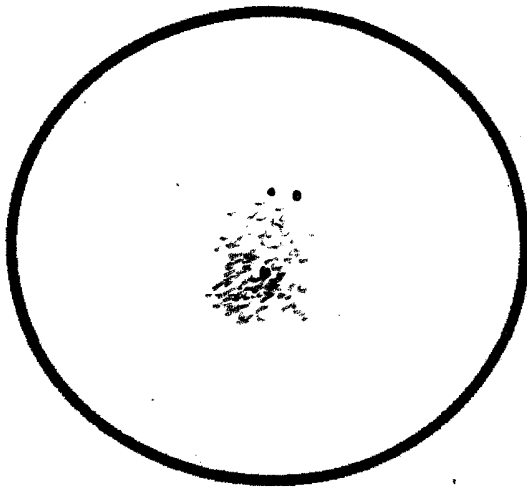
Seeing III Transparency II

Instrument XT-12

Size 12

Eyepiece 2x47

Field of view _____ Power 75



- Can this cluster be easily distinguished from the background stars?
- What is the overall shape of the object? V is filled in completely
- How many stars can you count in the cluster? >100
- Are the stars more concentrated in any one particular area? V
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? Yes-red
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description _____

**Planetary Nebula Club
Observing Log**

DSA DSO
(DARK SKY)

Observer's name: B. YOUNG

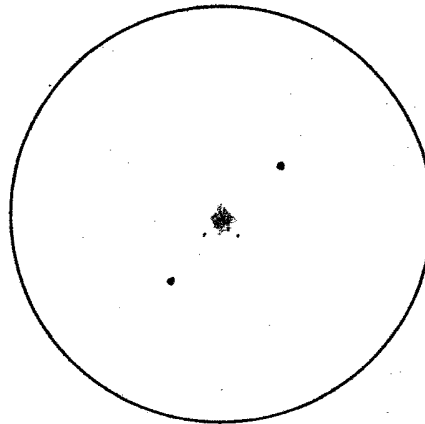
Object: <u>M79</u>	Location: <u>RMCC</u>
Date: <u>2/12/10</u>	Time: <u>8:40pm</u>
Seeing: <u>II</u>	Transparency: <u>II-</u>
Darkness of the site: <u>Bortle +4</u>	Moon phase: <u>NEW</u>
Aperture and focal ratio: <u>12" f/5</u>	Magnification(s) used: <u>75x</u>
Device-aided? <u>No</u>	Color(s) seen: <u>NONE</u>
Filters used: <u>No</u>	Is filter required to detect the PN? <u>N/A</u>
Is the central star visible? <u>N/A</u>	<u>Direct</u> or averted vision?

How does the planetary respond to different magnifications?

N/A

Description: (Sketch is optional unless a negative observation.)

Slight hint of nettle on
edge of compact
clump of stars -
well textured.



Observing Log
Object type: Globular Cluster

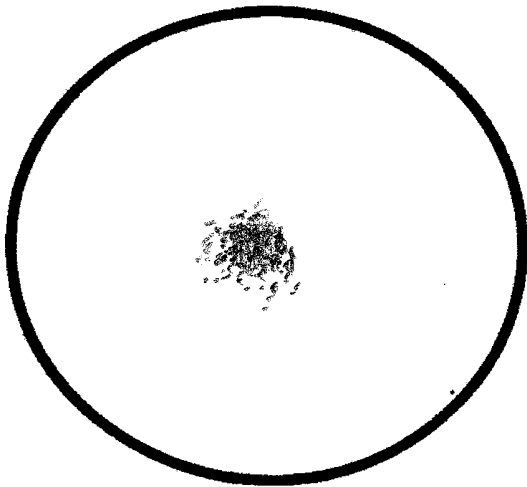
DSA
DS

Object ID: M13

Const.: _____

RA: _____ Dec.: _____

Mag: _____ Size: _____



Observer B. Young

Date 5/6/10

Time 12:30 am

Location RMCE

Seeing II Transparency I

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view _____ Power 75

- Can this cluster be seen with direct vision, or is averted vision required?
- Is the core unusually bright, compact or not distinguishable?
- Is this globular cluster highly or loosely med concentrated?
- Is any part of the cluster resolved into stars? Yes - all across face
- Is any mottling visible? All over
- Can the edges be resolved? Yes
- Are there any other deep-sky objects in the same field of view? If so, what? No - didn't push for nearby galaxies

Description _____

Observing Log
Object type: Globular Cluster

OSA
OSO

Object ID: M3

Const.: _____

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer B Yomr

Date 6/5/10

Time 1:30

Location RMCC

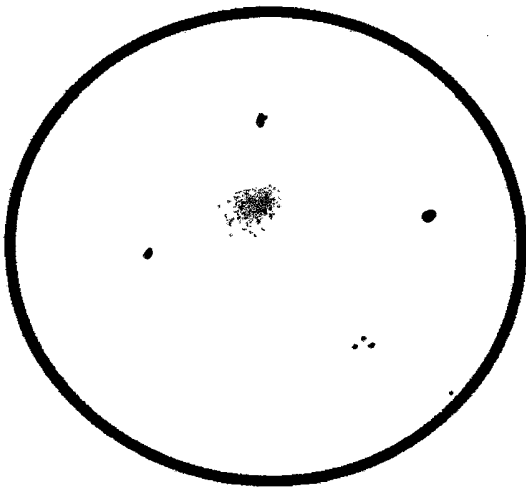
Seeing II Transparency H

Instrument X5-12

Size 12

Eyepiece 2x42

Field of view _____ Power 75



- Can this cluster be seen with direct vision, or is averted vision required?
- Is the core unusually bright, compact or not distinguishable?
- Is this globular cluster highly or loosely concentrated? Fairly
- Is any part of the cluster resolved into stars? Yes - esp. at edges
- Is any mottling visible? Yes
- Can the edges be resolved? Yes
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description _____

Observing Log
Object type: Globular Cluster

DSH
DS

Object ID: M5

Const.: _____

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer B. Young

Date 5/6/10

Time 12:50

Location LMCC

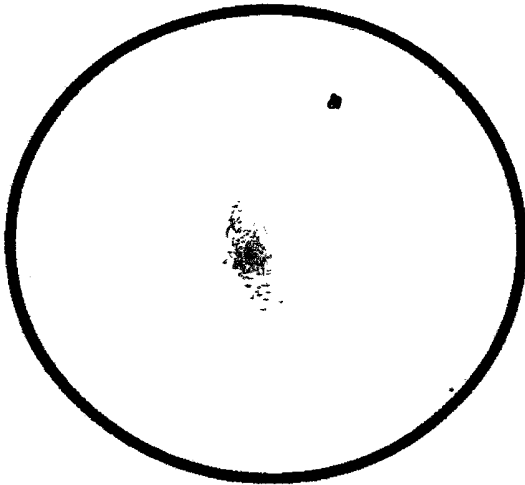
Seeing IX Transparency I

Instrument Xt-12

Size 12

Eyepiece 2x42

Field of view _____ Power 75



- Can this cluster be seen with direct vision, or is averted vision required?
- Is the core unusually bright, compact or not distinguishable?
- Is this globular cluster highly or loosely concentrated?
- Is any part of the cluster resolved into stars? Yes - almost across face
- Is any mottling visible? Yes
- Can the edges be resolved? Yes - with N/S line
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description NOTE: W Can see 1x - beautiful in 12x60's

Planetary Nebula Club
Observing Log

DSA
DSO
@ DARK SITE

Observer's name: B. YOUNG

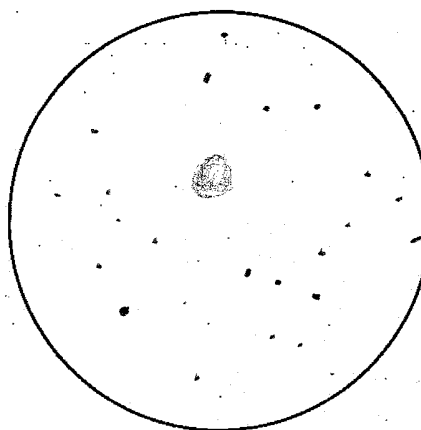
Object: <u>M97</u>	Location: <u>RMCC</u>
Date: <u>3/4/10</u>	Time: <u>8:00</u>
Seeing: <u>III</u>	Transparency: <u>I-</u>
Darkness of the site: <u>B + 4</u>	Moon phase: <u>N/A</u>
Aperture and focal ratio: <u>12" f/5</u>	Magnification(s) used: <u>75X</u>
Device-aided? <u>NO</u>	Color(s) seen: <u>NONE</u>
Filters used: <u>N/A</u>	Is filter required to detect the PN? <u>NO</u>
Is the central star visible? <u>NO</u>	☒ Direct or averted vision?

How does the planetary respond to different magnifications?

N/A

Description: (Sketch is optional unless a negative observation.)

Round glow, w/ some
hints of dimmer
regions near center
Nice field w/ M108
on the way



Observing Log

Object type: Planetary Nebula

DSA

DS

Object ID: M27

Const.: _____

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer B. Young

Date 8/7/10

Time 2:45 AM

Location RMCE

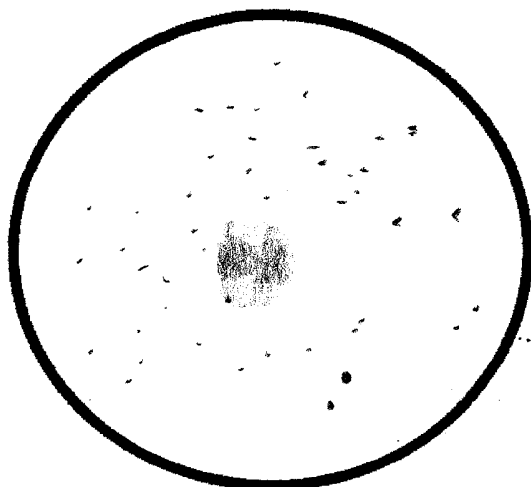
Seeing III Transparency II

Instrument X7-12

Size 12

Eyepiece 2X42

Field of view _____ Power 75



- What is the overall shape? Dumbbell - but rounded out, esp. on west side
- Is this planetary easy or difficult to identify in your field?
- What is the color of this planetary? Blue-grey
- Is it disk-shaped or is it more stellar in appearance?
- Are the edges of the disk sharp or diffuse? w/ halo
- Is the center brighter, darker, or the same brightness as the edges?
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description _____

Observing Log
Object type: Planetary Nebula

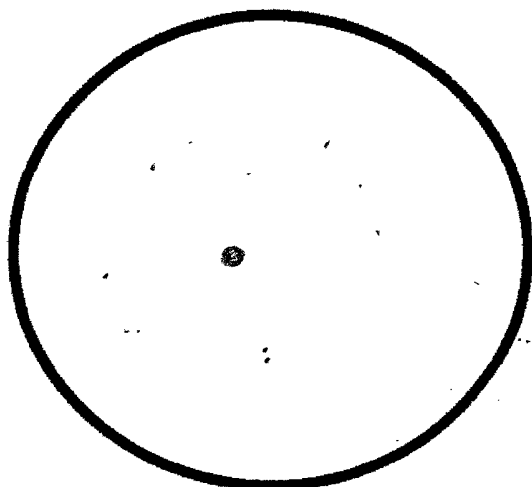
DSA
DS

Object ID: M57

Const.: _____

RA: _____ Dec.: _____

Mag: _____ Size: _____



Observer B. Young

Date 5/6/10

Time 12:40

Location RMCS

Seeing II Transparency F

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view _____ Power 75x

- What is the overall shape? Round
- Is this planetary easy or difficult to identify in your field?
- What is the color of this planetary? Grey
- Is it disk-shaped or is it more stellar in appearance?
- Are the edges of the disk sharp or diffuse?
- Is the center brighter, darker, or the same brightness as the edges?
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Vivid & easy - even though minor
path PARTIALLY BLOCKED by car!

Observing Log

Object type: Cluster/Nebula

DSA
DSO

Object ID: M16

Const.: _____

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer _____

Date 6/5/10

Time 1:55

Location RMCC

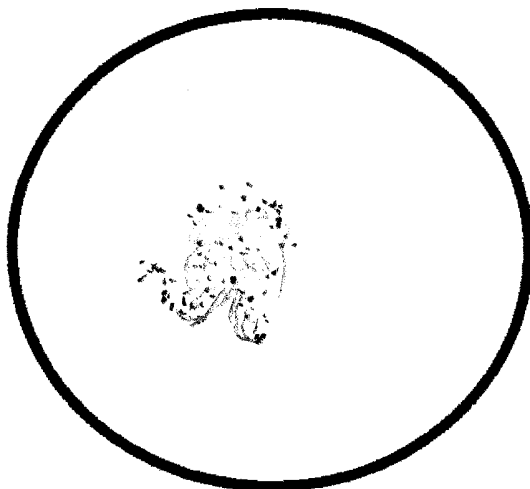
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view _____ Power 75



- Can both the cluster and nebula be seen with direct vision, or is averted vision required?
- Is there an overall shape of the object or is it simply irregular? Wavy edge + large oval glow
- Is any part of the outer edge of the nebula sharply defined? Yes - @ "Pillars of Creation"
- Are the stars more concentrated in any one particular area? How many stars are in the cluster? Some bright ones at edge
- Is the cluster embedded in the nebulosity or is there a distinct separation?
- Is any part of the nebula brighter or more concentrated? At wavy edge
- Is there any particular area where you notice an absence of stars in this cluster? Within dark notch 2 to N
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? All
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)? Dark sky
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description _____

Observing Log

Object type: Nebula

DSA DSO

(DARK SITE)

Object ID: M42

Const.: _____

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer B. YOUNG

Date 2/12/10

Time 7:45 pm

Location RMCC

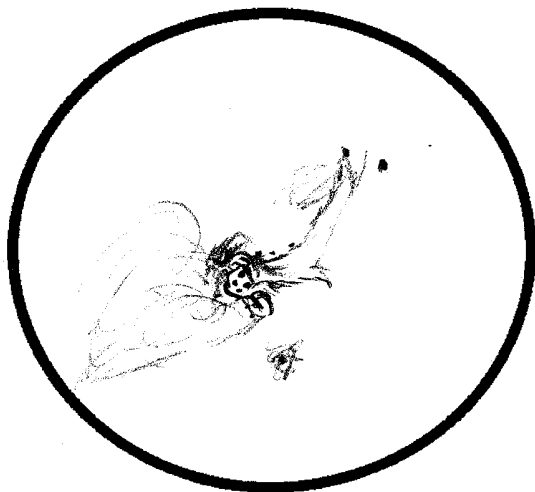
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view _____ Power 75



- Can this nebula be seen with direct vision, or is averted vision required?
- Is there an overall shape of the object or is it simply irregular? HUGE STINGRAY (NO STING)
- Is any part of the outer edge of the nebula sharply defined? SHOCK WAVES
- Is any part of the nebula brighter or more concentrated? SEVERAL AREAS - USUALLY W/ NO STARS
- Is there any particular area where you notice an absence of stars in this cluster? N/A
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? TONS OF THEM & DARK "CAVES"
- Is there an open cluster nearby or involved or any obvious stars involved with this nebula? M43 TO NORTH
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)? TIME & DARK SKY
- Are there any other deep-sky objects in the same field of view? If so, what? M43/OTHER CLUSTERS

Description UNBELIEVABLE TEXTURES WITH HINT OF

GREY - GREEN COLOR

TRAPEZIUM EASILY SPLIT & BRIGHT

Observing Log

Object type: Galaxy

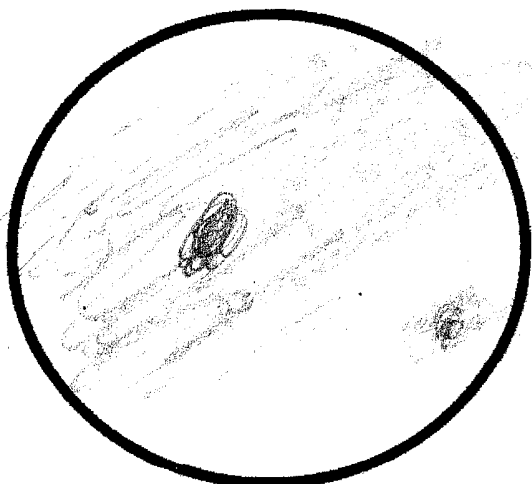
DSA 950
(DARK SKY)

Object ID: M31 / M32

Const.: _____

RA: _____ Dec.: _____

Mag: _____ Size: _____



Observer B. YOUNG

Date 2/12/10

Time 7:30

Location RMCC

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view _____ Power 75x

- Can this galaxy be seen with direct vision, or is averted vision required? FILLS FIELD WITH DIKE NUCLEUS
- What is the overall shape? OVAL M32 ROUNDOR
- Is a core noticeable? YES / YES
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? OBVIOUS MOTTLING
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? YES
- Are there any other deep-sky objects in the same field of view? If so, what? M110 EASY OFF OUT OF FIELD

Description VERY OBVIOUS TO NAKED EYE ALSO

Observing Log

Object type: Galaxy

DSA DSO
(DARK SKY)

Object ID: M81/82

Const.: _____

RA: _____ Dec.: _____

Mag: _____ Size: _____

Observer B. YOUNG

Date 2/2/10

Time 8:45

Location RMCC

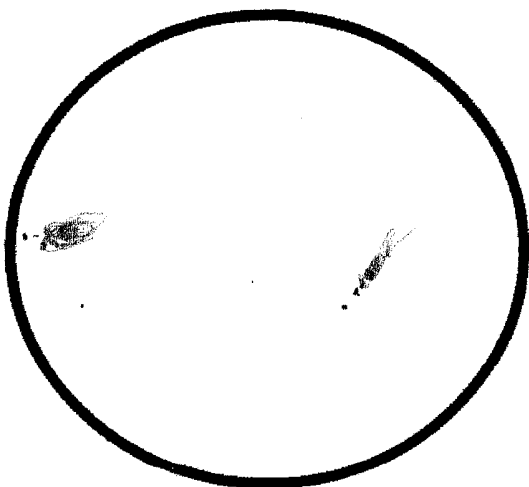
Seeing II Transparency III

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view _____ Power 75x



ACTUALLY > 1 FIELD shown

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? OVAL, DART W/ FEATHERS
- Is a core noticeable? YES, SOMEWHAT
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object?
- Are the edges of the outer envelope sharp or diffuse? M81
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? M82 (BOTH - ON DIFFERENT SIDES)
- Are there any other deep-sky objects in the same field of view? If so, what? M81 - NOT MUCH M82 ↑ + "FEATHERS"

M82 - MOTTLED
& FAN-SHAPED
M81 - YES,
SLIGHTLY

EACH OTHER

Description JUST ~30° UP WITH

TULSA SKY CLOWN BUT STILL GOOD

DSA
Part I
S. i. (A)

LIMIT MAG = 4.4
23 STARS

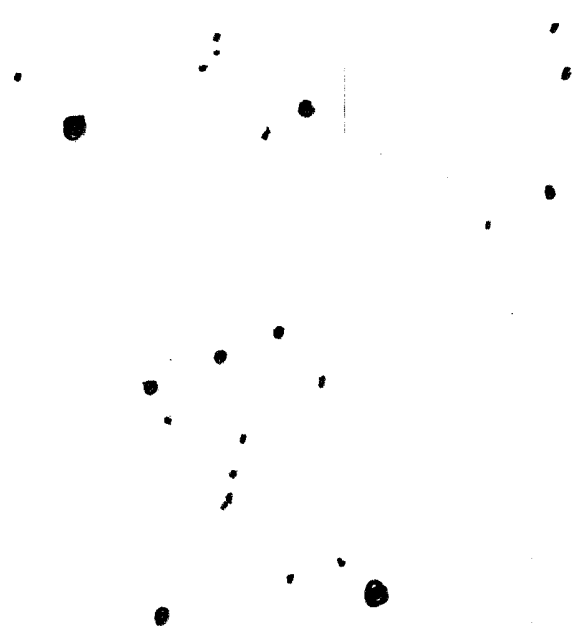
2/14/10
SUNDAY NIGHT
10:00 pm

HOMES

...



7
pleads
8:40pm



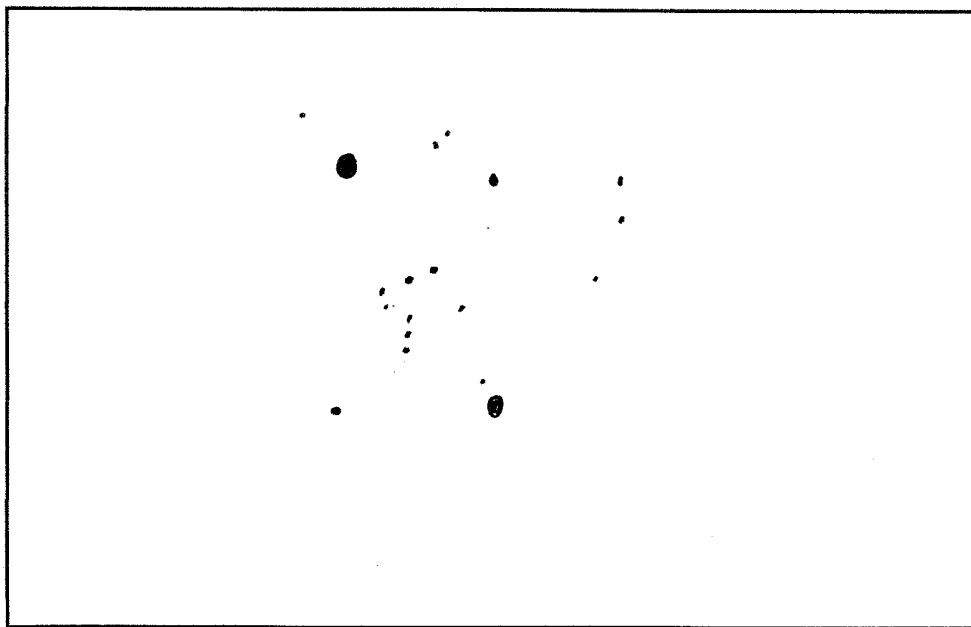
LIMIT MAG
= 4.4
24 STARS

2/16/10
8:05pm
DSA
TUESDAY
NIGHT

DATE 3/5/10 TIME 8:00 (EST) CDT CLARITY I II (III) IV V SEEING I II (III) IV V

INSTRUMENT ETX-125 10x50 (EYE) POWER 10X 73X 153X 475X

OBJECT ONION DESCRIPTION GAN/DSA



EXAMPLE OF FRIDAY NIGHT - SOBO AREA
(LOTS OF BARS) LIT UP DOWN THE
STREET.

SUBMITTED TO GLOBE AT NIGHT PROJECT
ALSO.

19 STARS LIMIT MAG = 4.1

ORION @ HOME

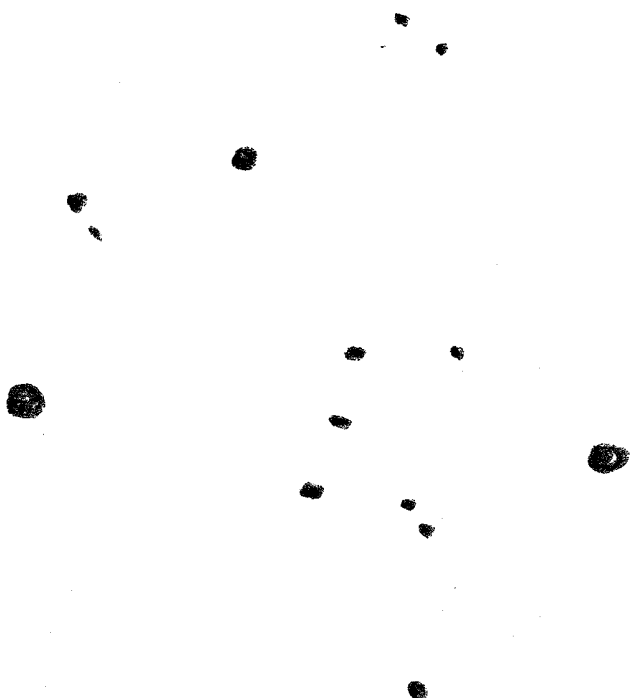
4/11/10

8:50 pm CDT

= 14 stars

LIMIT MAG

= 4.1



SW

Page 1

Fox

DSA

CONSTELLATION HUNTER CLUB
NORTHERN SKIES CHECKLIST OBSERVING FORM

Local Date: 12/29/04
Transparency: II
Constellation: ORION
SKETCH:

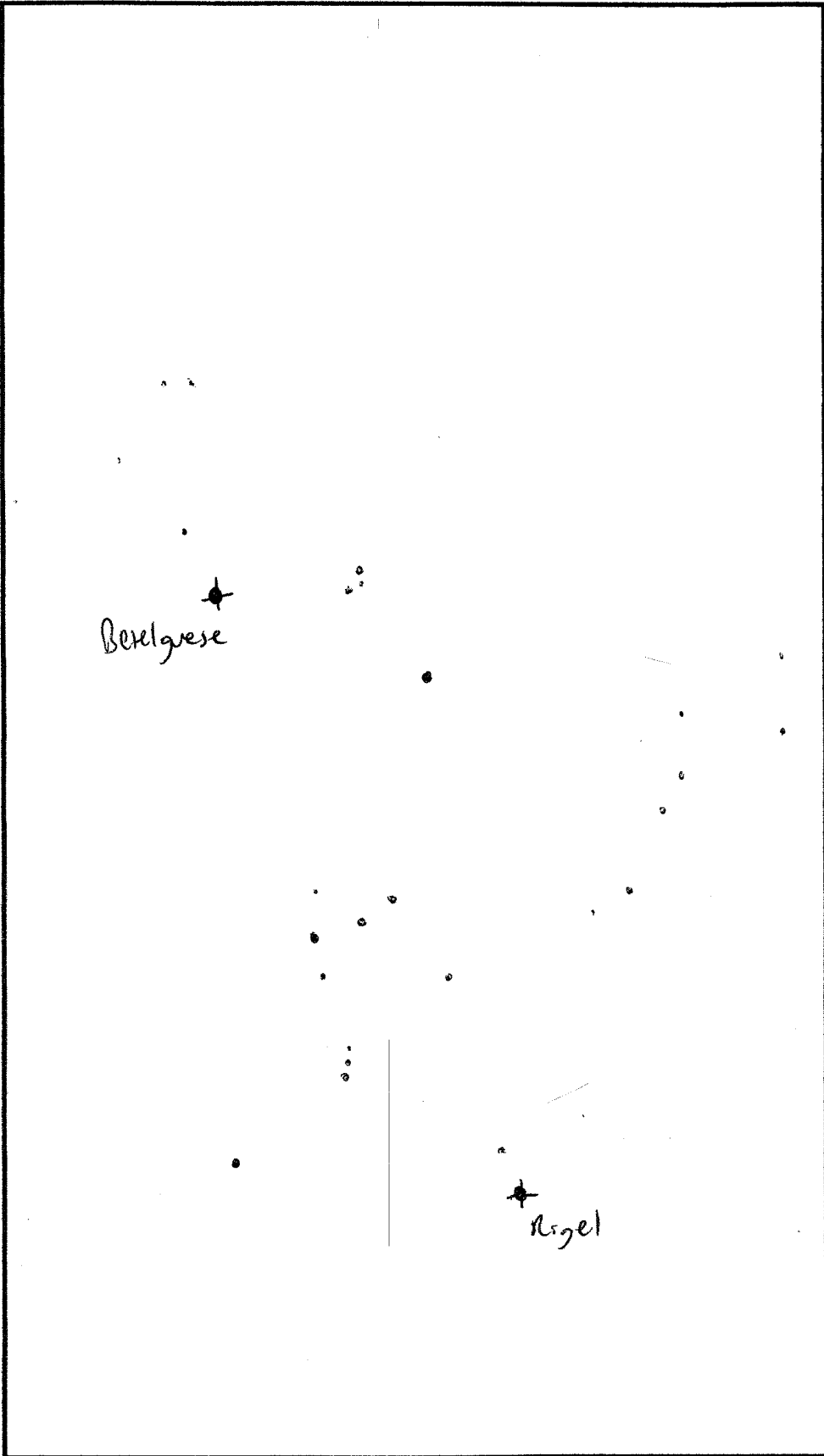
Local Time: 12:45
Seeing: II -

CDT/CDT

Latitude: 36.1 N
Instrument: Eye

Longitude: 95.9 W

Notes: AMAZING EVEN W/ 17DD IN CMC



↑ N

28 stars
LIMIT MAG=4.3