

The Insider's Guide to the Galaxy Presents...

# Messier Minutes

a guide to completing RASC's Messier Observing Certificate



## Part 7 -

**March 12<sup>th</sup> – April 25<sup>th</sup>, 2022**

The following pages include a list of objects discussed in the March 12<sup>th</sup>, 2022, episode of Messier Minutes. Including finder charts and log pages.

## List of Targets Discussed:

April 12 is a waxing gibbous moon (85% illuminated)

Messier #	Constellation	Magnitude	Type	NGC	Name
3	CVn	6.2	GC	5272	Melotte 119
53	Com	7.7	GC	5024	Melotte 117

*Notes:*

### **M3:**

(18 arc-minutes across)

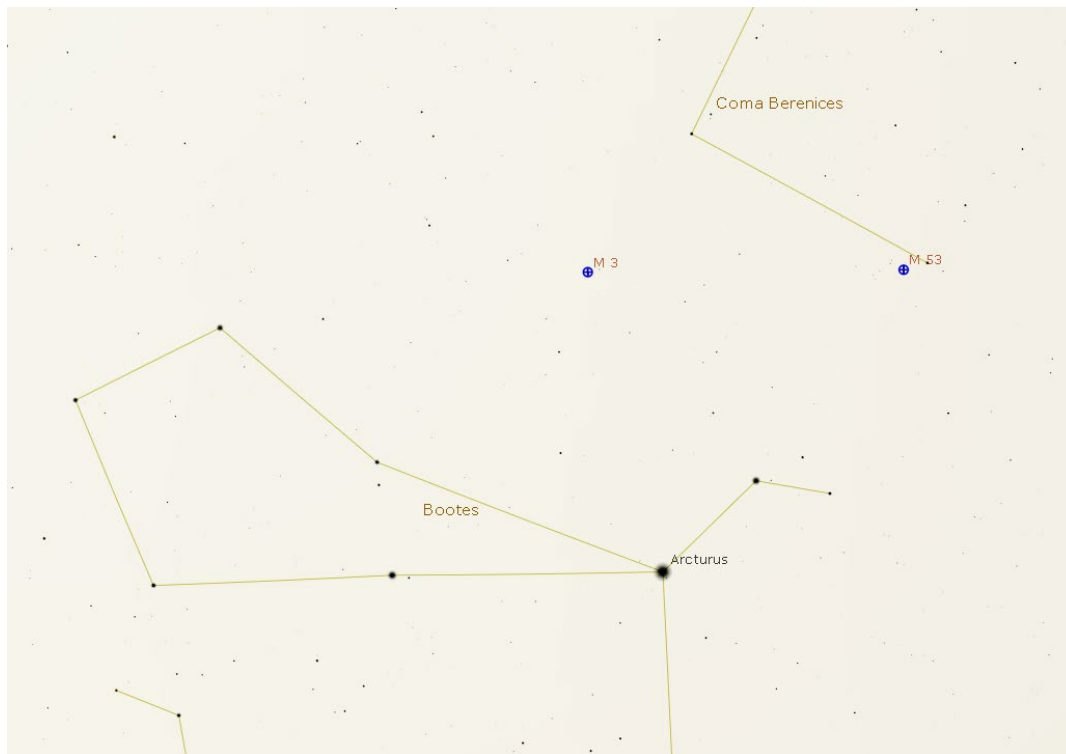
Gorgeous, bright globular cluster near CVn/Boo/Com border, 33,900 l-y away. Just bright enough to see with unaided eyes from dark sites, binoculars and any size of telescope even in suburbs. Midway between very bright stars Arcturus and Cor Corali or triangulate with brighter stars of Boo. Triangle of stars around it. Look for dimensions, gradation of stars toward core and shape details.

### **M53:**

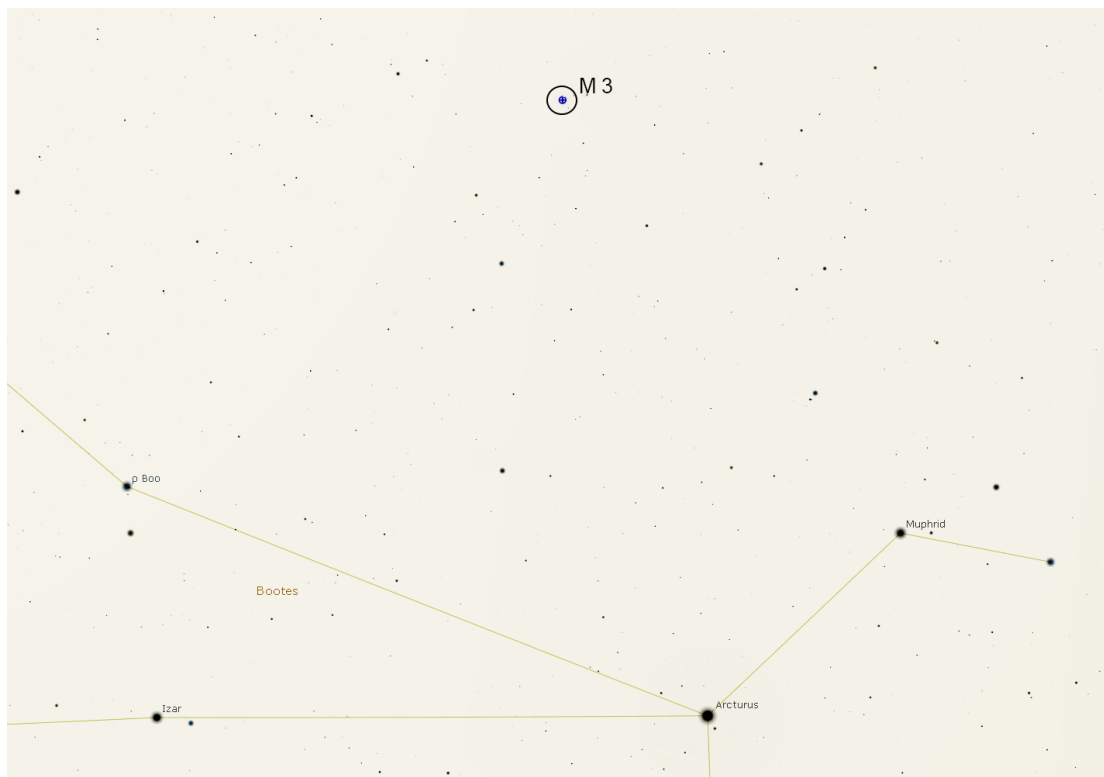
The medium-sized globular cluster is 58,700 light-years away. Only 1 degree northeast of faint star Diadem (Alpha Com) or triple the line from Arcturus to Muphrid and jog a little north. Binoculars and any size of the telescope, even from suburbs on moonless nights. Look for surrounding field stars, dimension of the cluster, gradation to cluster core, and fainter globular NGC 5053 only one degree to the ESE.

## Target Finder Charts:

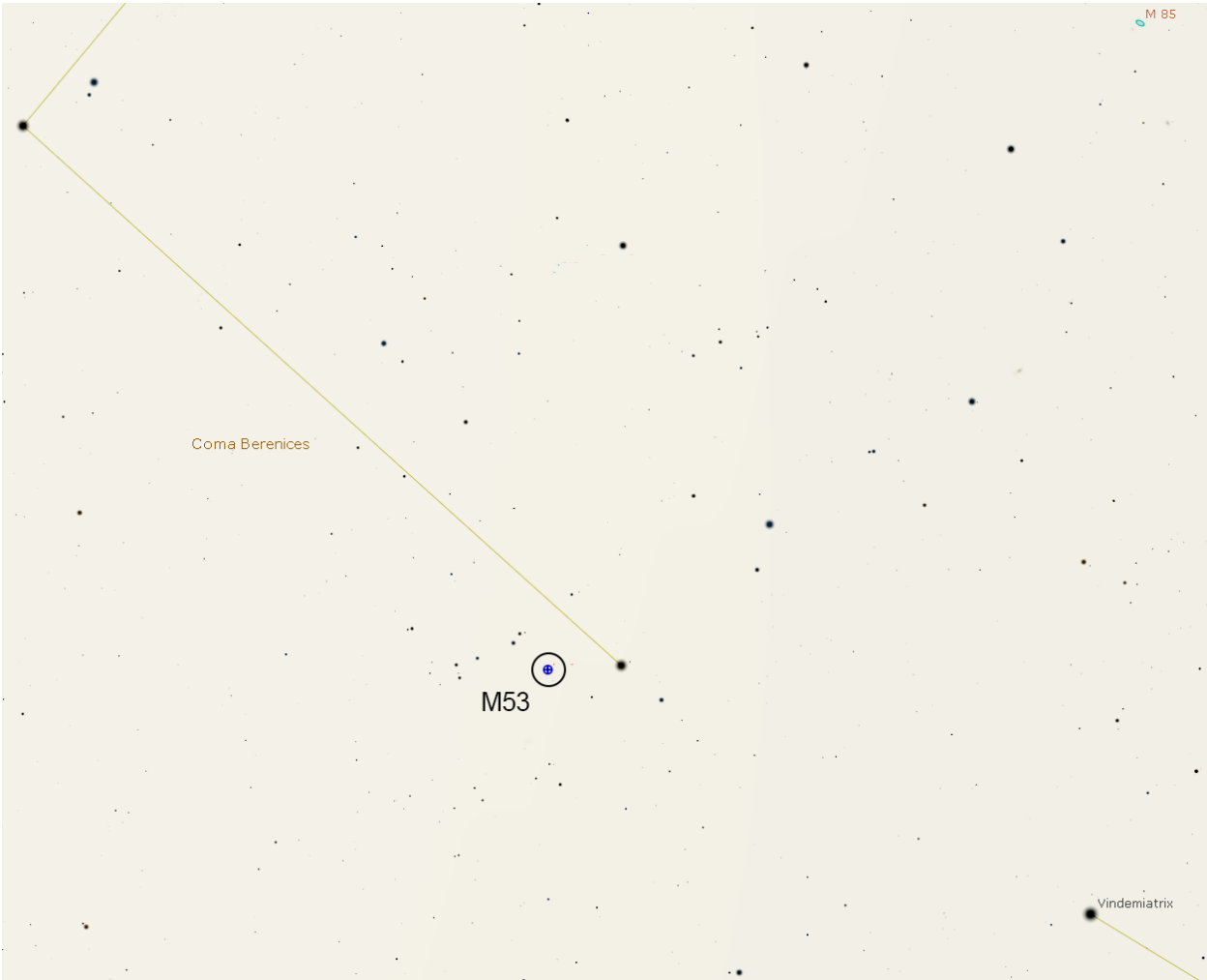
### Overview of Targets –



### M3 Closer View –

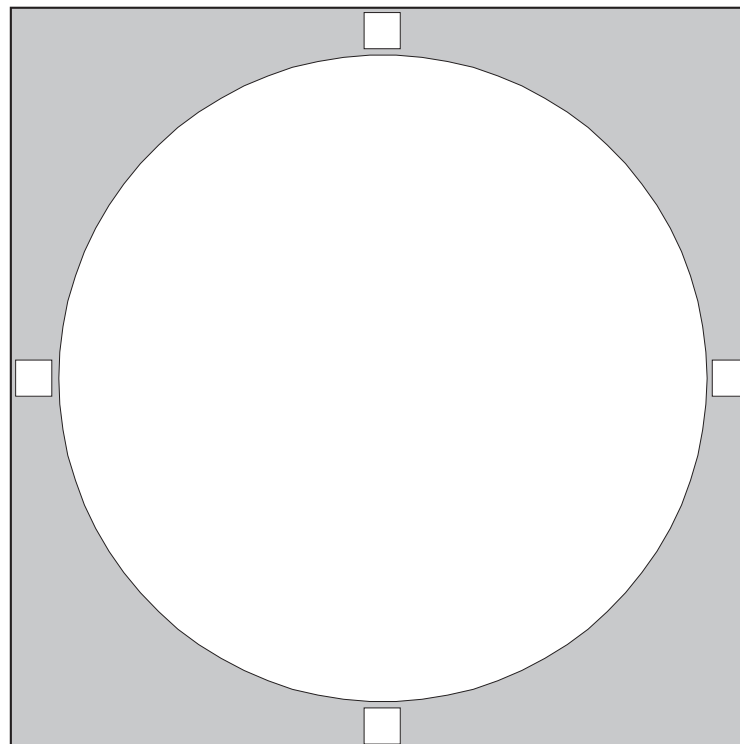


M53 Closer View –



RASC Messier Objects - M3

Messier Object	<b>M3</b>		
NGC	<b>5272</b>		
Constellation	<b>Canes Venatici</b>		
Type	<b>Globular Cluster</b>		
Magnitude	<b>5.9</b>		
Distance (Kilo light-years)	<b>33.9</b>		
RA	<b>13 42.2</b>		
Dec	<b>+28:23</b>		
Size	<b>16.2'</b>		
UM I	UM II	<b>109,110,151</b>	<b>71</b>
SA	<b>22</b>		
Remarks	<b>!! contains many variable stars</b>		
Time ( hh:mm )			
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Observing Location			
Telescope			
Date ( dd:mm:yyyy )			



**Notes**

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PN: Planetary Nebula  
 SNR: Supernova Remnant  
 GC: Globular Cluster  
 OC: Open Cluster

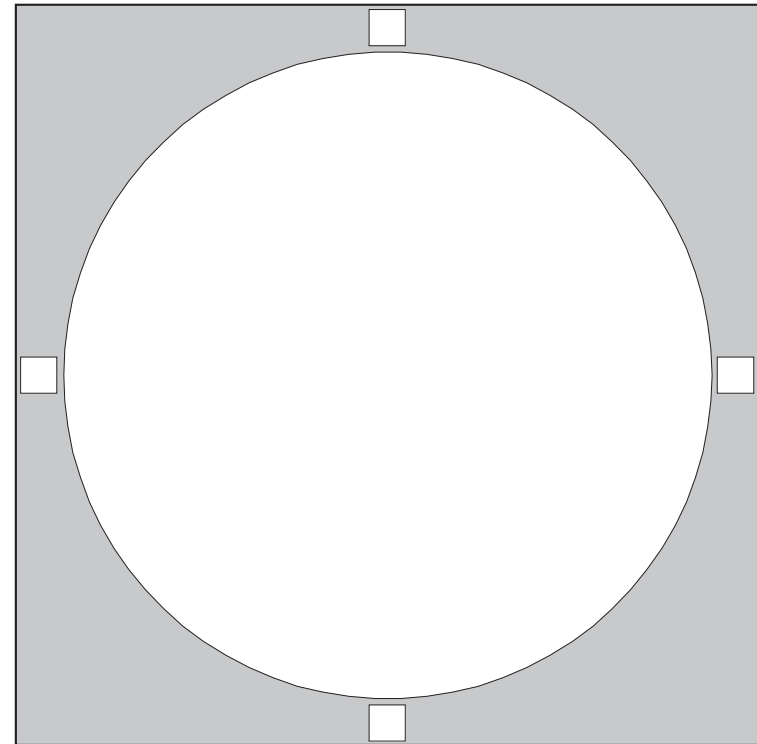
RN: (diffuse) Reflection Nebula  
 EN: (diffuse) Emission Nebula  
 G-: Galaxy, with Hubble type given  
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor  
 Transparency: 1 = Best 5 = Poor  
 Time: DD:MM:YYYY  
 Date: Specify Time Zone or UT

\* = Number of stars in cluster  
 \*\* p = Photographic Magnitude  
 \*\*\* !! = Showpiece Object  
<http://www.rasc.ca>

RASC Messier Objects - M53

Messier Object	<b>M53</b>		
NGC	<b>5024</b>		
Constellation	<b>Coma Berenices</b>		
Type	<b>Globular Cluster</b>		
Magnitude	<b>7.5</b>		
Distance (Kilo light-years)	<b>59.7</b>		
RA	<b>13 12.9</b>		
Dec	<b>+18:10</b>		
Size	<b>12.6'</b>		
UM I	UM II	<b>150,195</b>	<b>71</b>
SA	<b>7, 14</b>		
Remarks	<b>150-mm telescope needed to resolve</b>		
Time ( hh:mm )			
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Observing Location			
Telescope			
Date ( dd:mm:yyyy )			



**Notes**

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PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
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GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
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