

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

Messier Minutes

a guide to completing RASC's Messier Observing Certificate



Part 9 -

May 10th – 23rd, 2022

The following pages include a list of objects discussed in the May 10th, 2022, episode of Messier Minutes. Including finder charts and log pages.

List of Targets Discussed:

May 10th is a waxing gibbous, 70% illuminated

Messier #	Constellation	Magnitude	Type	NGC	Name
68	Hya	7.3	GC	4590	Melotte 113
13	Her	5.8	GC	6205	Great Star Cluster in Hercules
92	Her	6.4	GC	6341	Melotte 168
5	Ser	6.7	GC	5904	Rose Cluster

Notes:

M68:

Medium-sized globular, relatively bright, but rather low in the sky, so aim for 11 pm. Possible in binoculars, easy in small telescopes, but more details in larger apertures. 1.5 times the line from Algorab to Kraz in Corvus. Note how loose or dense the stars are, shape, and bright foreground stars around it, especially SKF 1923. 33,600 l-y away.

M13:

Celestial showpiece! Large and bright! Maybe naked-eyes in dark site, easy in binoculars under dark skies, any size of telescope. Readily observable from the suburbs. Aim your finder one-third of the way down the higher (western) side of Hercules' keystone, measuring from the wide end. Note density, shape, nearby stars, and the small distant galaxy NGC 6207 half a degree to the north. 25,100 l-y away.

M92:

Often overlooked! Medium-sized globular, bright. Possibly visible as a tiny smudge in binoculars, but definitely in any size of telescope. Located near the line connecting Iota Herculis to the northwestern corner of the keystone, Eta Her. Or, aim your finder to make a triangle above the top edge of the keystone. Note the density (individual stars, colours?), shape, and surrounding stars. 26,700 l-y away.

M5:

Large and bright, but quite diffuse! Some claim naked-eye visibility. Binoculars and any size of telescope work well. It sits very closely above a magnitude 5 star named 5 Serpentis, which is a palm's width to the left of Alpha Serpentis (Unukalhai). Or, extend the neck of the snake south by doubling the line from the mag 4 stars Gudja to Nasak Yamani. Note density and asymmetry. Some have seen "rose petals" or "spiral arms". 24,500 l-y away.

Target Finder Charts:

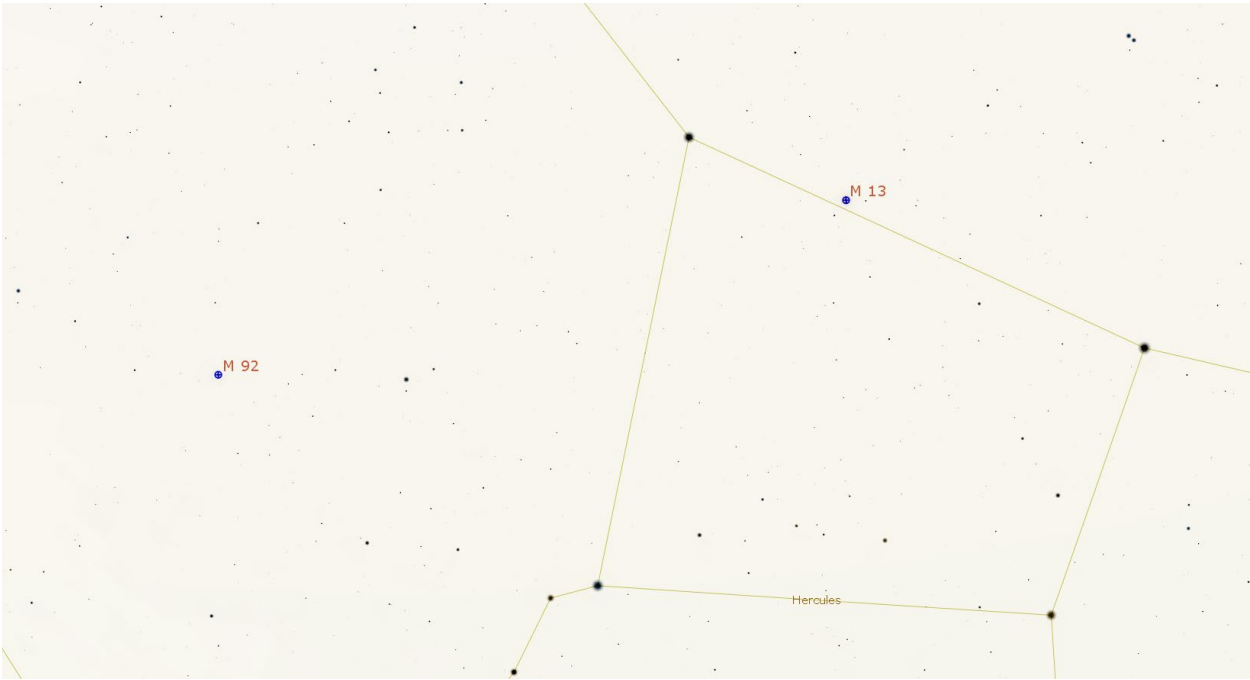
Overview of Targets (minus M68) –



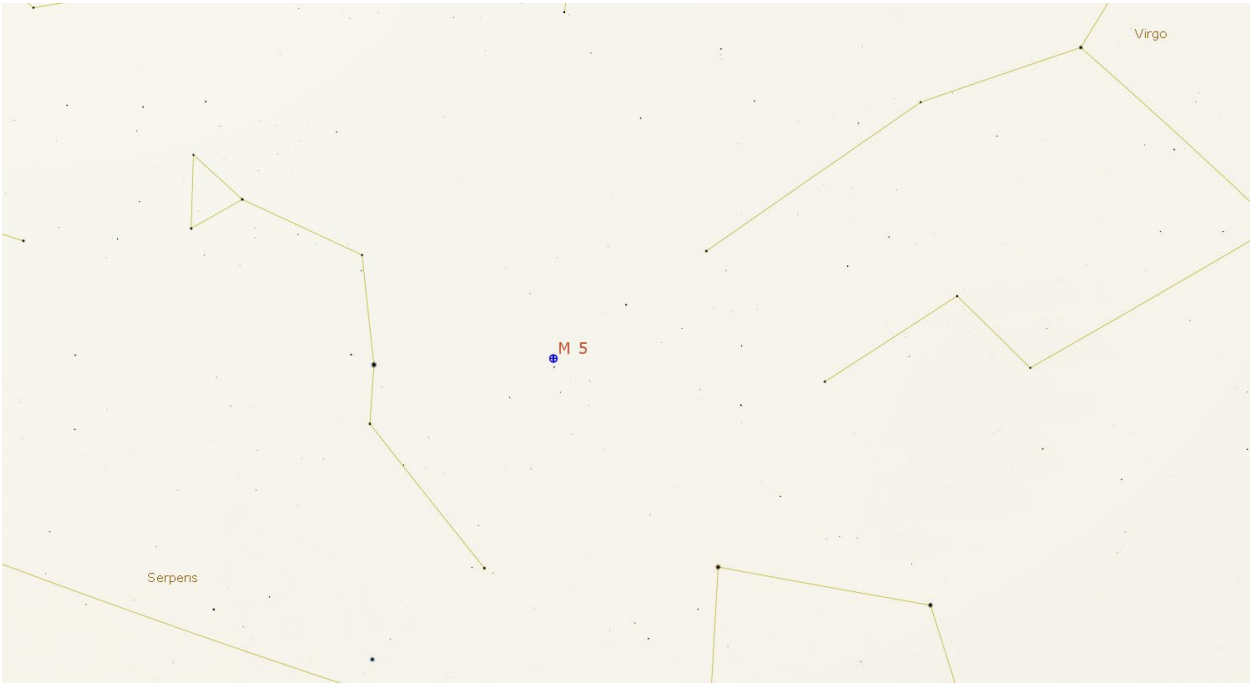
M68 Closer Look –



M13 & M92 Closer View –

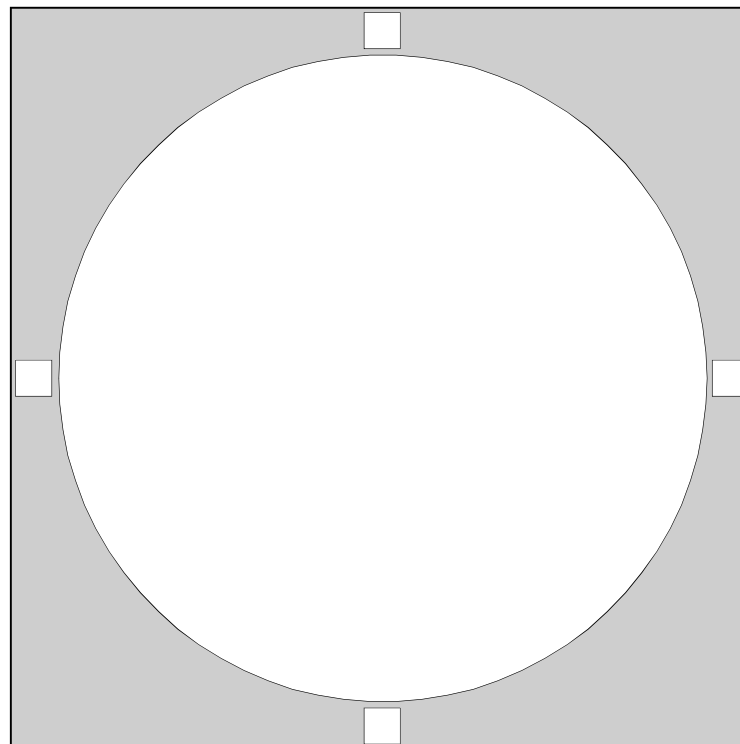


M5 Closer View –



RASC Messier Objects - M68

Messier Object	M68		
NGC	4590		
Constellation	Hydra		
Type	Globular Cluster		
Magnitude	7.7		
Distance (Kilo light-years)	33.3		
RA	12 39.5		
Dec	-26:45		
Size	12.0'		
UM I	UM II	329	149,150
	SA	21	
Remarks	150-mm telescope needed to resolve		
Time (hh:mm)			
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Observing Location			
Telescope			
Date (dd:mm:yyyy)			



Notes

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

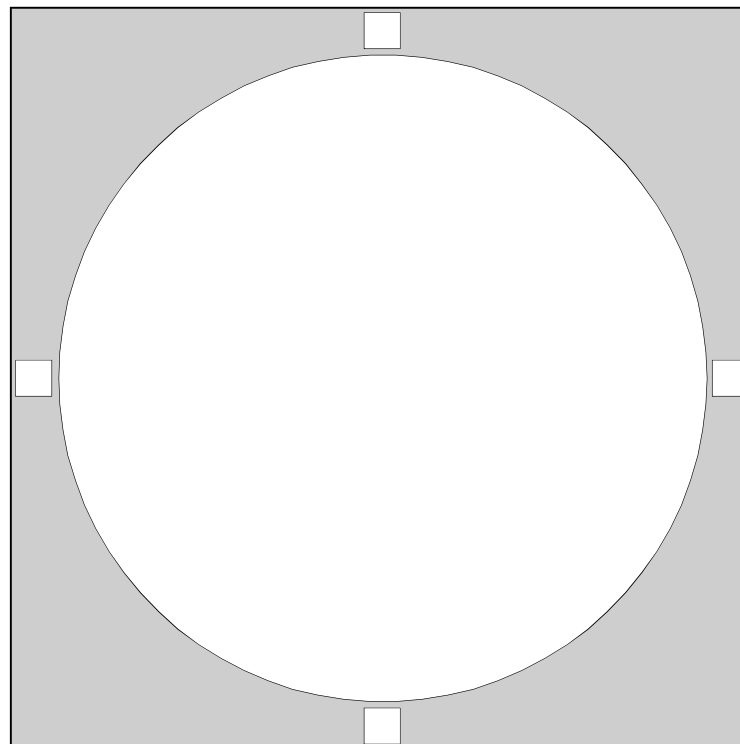
** p = Photographic Magnitude

*** !! = Showpiece Object

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RASC Messier Objects - M13
Hercules Globular Cluster

Messier Object	M13		
NGC	6205		
Constellation	Hercules		
Type	Globular Cluster		
Magnitude	5.7		
Distance (Kilo light-years)	25.1		
RA	16 41.7		
Dec	+36:28		
Size	16.6'		
UM I	UM II	114	50,51
SA	8		
Remarks	!! Hercules Cluster; NGC6207 half degree north east		
Time (hh:mm)			
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Observing Location			
Telescope			
Date (dd:mm:yyyy)			

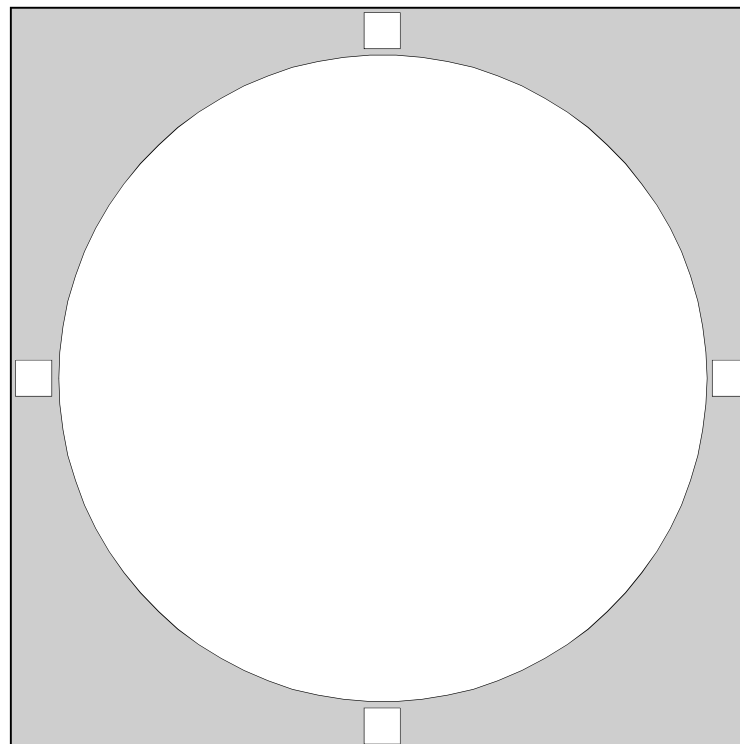


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Messier Objects - M92

Messier Object	M92		
NGC	6341		
Constellation	Hercules		
Type	Globular Cluster		
Magnitude	6.4		
Distance (Kilo light-years)	26.7		
RA	17 17.1		
Dec	+43:08		
Size	11.2'		
UM I	UM II	81	34
	SA	8	
Remarks	nine degrees noth east of M13; fine but often overlooked		
Time (hh:mm)			
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Observing Location			
Telescope			
Date (dd:mm:yyyy)			

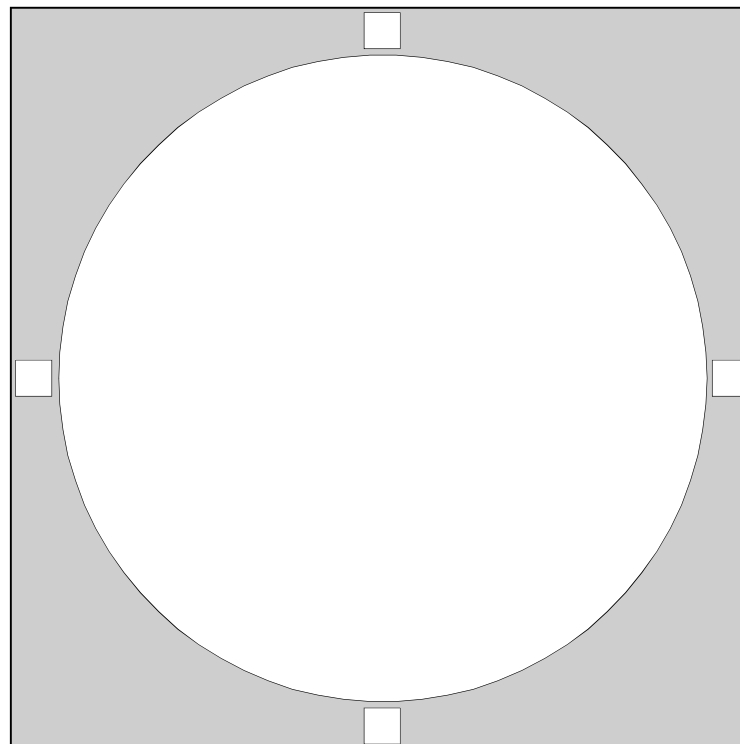


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GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Messier Objects - M5

Messier Object	M5		
NGC	5904		
Constellation	Serpens		
Type	Globular Cluster		
Magnitude	5.7		
Distance (Kilo light-years)	24.5		
RA	15 18.6		
Dec	+02:05		
Size	17.4'		
UM I	UM II	244	108
	SA	22	
Remarks	!! one of the sky's finest globulars		
Time (hh:mm)			
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Observing Location			
Telescope			
Date (dd:mm:yyyy)			



Notes

PN: Planetary Nebula

RN: (diffuse) Reflection Nebula

Seeing: 1 = Best 5 = Poor

* = Number of stars in cluster

SNR: Supernova Remnant

EN: (diffuse) Emission Nebula

Transparency: 1 = Best 5 = Poor

** p = Photographic Magnitude

GC: Globular Cluster

G-: Galaxy, with Hubble type given

Time: DD:MM:YYYY

*** !! = Showpiece Object

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E/RN: Diffuse emission and reflection Nebula

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