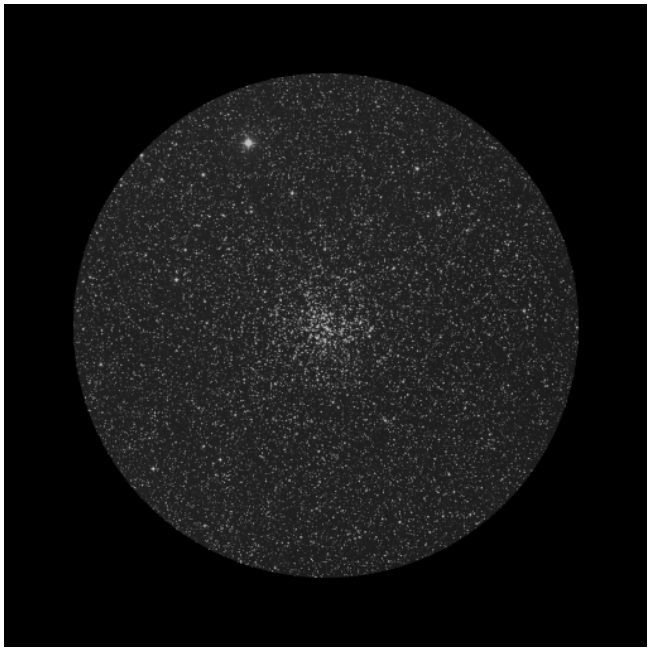
Data of the sky region at the time of the observation ..... **SQM-L 21.5 IR -38 Temperature 2º**
Data of the night ..... **Sun alt: -67,6º Moon alt: -64.0º**
Data of the object..... **Alt: 56.7º Az: 87.1º**
Telescope ..... **Stargate 18”**



Nagler 31mm (70x - 1º 10’ - 6.6mm)

I start observing this cluster after going through M36 and thus its beauty is increased because the difference with this other open cluster is remarkable.

The first thing that strikes is the number of stars that compose it, unlike M36 there are many of them instead of a couple of tens, also with a central star of a different color than the rest. If you add to this the fact that all of them appear punctuated like pinheads, the result is a remarkable image. I would also say that the central star is more reddish and also of a lower magnitude, which makes it stand out even more in the cluster, because its different color adds to its greater brightness.

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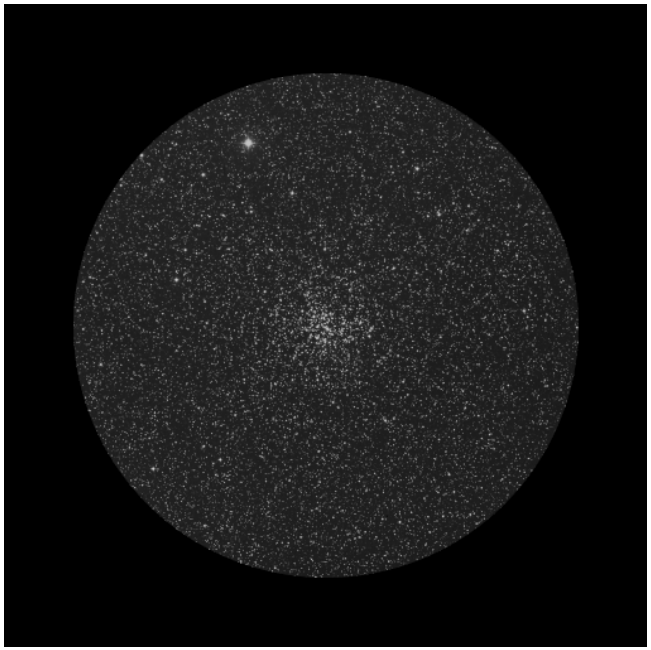
Data of the object ..... **Alt: 56.7° Az: 87.1°**
Telescope ..... **Stargate 18”**



Nagler 22mm (98x - 50’ - 4.7mm)

With this new eyepiece the object is more beautiful as it still keeps its shape standing out from the sky background but growing in size and brightness of the stars. Now the central star highlight even more and its color captures me, leaving me enraptured with it for a few seconds. The stars look more separated from each other despite being counted by dozens.

The shape is what I find most difficult to define, it is clearly not round but rather triangular, with a kind of hollow or cavity caused by lack of stars of the same magnitude. That hollow is at the top and reaching the central area where the reddish star is.

Of the three open clusters of Auriga, this is the one I enjoy the most and the one that captures my gaze the most, because of its subtlety, the number of stars and the variation of brightness and colors among them. A beautiful open cluster.

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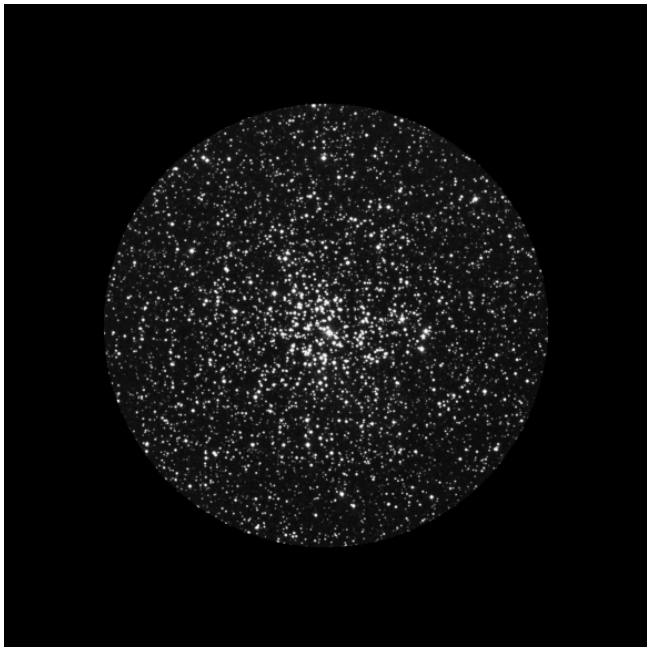
Telescope ..... **Stargate 18"**



Delos 14mm (154x - 28' - 3mm)

Again the 14mm with its 72º of apparent field throws me into that vision of enclosing the object. I don't get much more detail than with the previous eyepiece, perhaps indicating that it is worth seeing the object at higher magnifications. You will not lose definition or brightness and you will be able to contemplate it more comfortably, enjoying the details that make it unique. That is, the large number of stars of uniform brightness distributed in a triangular shape throughout the cluster and the reddish central star. Perhaps with this eyepiece the colors begin to be more uniform, attenuating the difference between them but still clearly seen as stars of different shades.

I spend a few more seconds imagining the worlds that can exist in such a number of stars and the view one must have from them on a dark night. It must be a beautiful sky as you would see dozens of '*Vega stars*' in its firmament spread out randomly. It surely must be spectacular.

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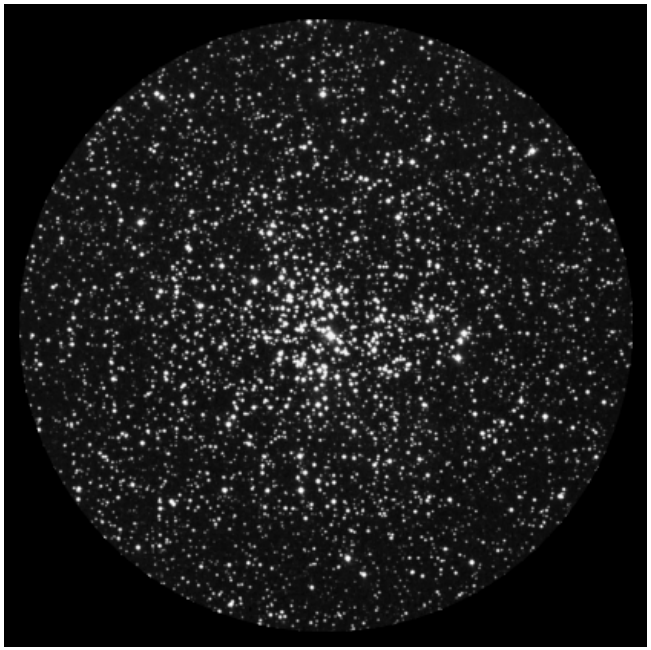
Telescope ..... **Stargate 18”**



Ethos 10mm (216x - 27’ - 2.1mm)

One detail that draws my attention is that the colors have once again been emphasized with this eyepiece. I think that between Delos and Ethos there is a clear difference in the treatment of colors, the latter respecting them much more than the former.

Except for this detail, the image does not differ much from what has already been observed, only with much more field, with a higher magnification and with a greater comfort of observation. It was worth putting this eyepiece on, especially to compare it with the previous one and discover the differences between them. The object is still a beauty, although with each magnification it keeps you more entertained looking at every detail of it.

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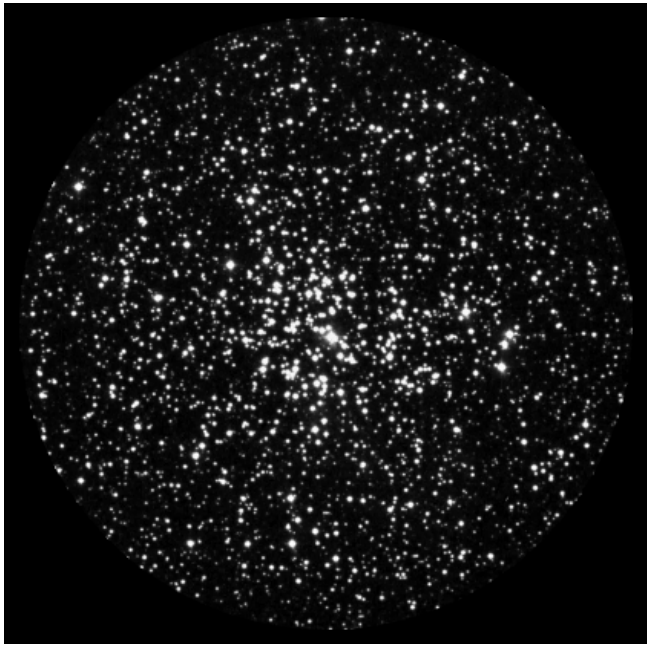

Ethos 8mm (270x - 22' - 1.7mm)

The best eyepiece to observe this object in my telescope is undoubtedly the 8mm Ethos. It is IMPRESSIVE how the object occupies almost the entire eyepiece and with a wide field sensation given by the 100º of apparent field. It is a marvel. First, the sky background has become even darker by increasing the magnification and reducing the exit pupil, second, it is possible to observe the stars individually and absolutely punctual. Like diamonds glittering in the darkness of a deep black velvet tapestry. Third and last, the color contrast between the central star of lower magnitude and the rest of its companions is accentuated to levels you would not imagine at low magnification.

It is a real pleasure for the eyes to relax contemplating this cluster at such magnifications, with a good seeing and a well collimated telescope.