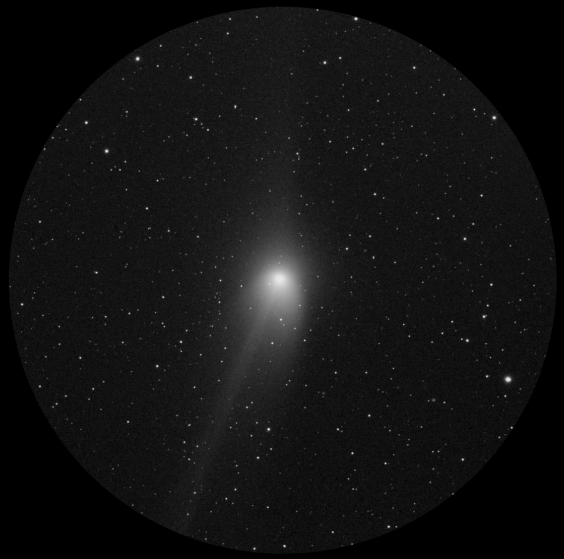
Israel Pérez de Tudela Vázquez

C/ 2022 E3 ZTF

Draco 15h 05m +62º 44’

Comet

Sky region data at the time of observation ..... **SQM-L 21.35 IR -43ºC Ambient temperature 3ºC**
Night data ..... Sun **Alt: -48.6º Moon Alt: -59,3º**
Object data ..... **Alt: 48.2º Az: 34,33º**
Telescope ..... **Skywatcher 12”**



Panoptic 41mm (36x - 1º 54’ - 8.4mm)

A very striking comet without being spectacular but a magnificent sight in the field. It has a very bright nucleus displaced towards the edge which is more defined. I do not see any color at the moment. The cloudiness surrounding the nucleus is spectacular with a very sharp arc and then blurring at 6 o'clock in my eyepiece. Playing with the side view and looking for contrasts on the black background you can see the tail. It appears as a very thin line not quite straight, and with a thickness of about one tenth of the front area of the comet. It is more easily discovered farther away from the comet as 1° and from there it can be traversed until reaching the comet itself.

When this exercise is performed, you can see how the tail narrows as it reaches its junction with the comma and becomes a little better defined. Regarding its brightness, the tail is like an almost transparent smoke but appreciable in visual.

I think the antitail is also noticeable since there is a little clearer contrast at 11 o'clock in the comet's nucleus. I have been a fool and I have not brought my pencils to draw it but it looks like a joy the truth. In the city it is a pale shadow of all the detail that is seen in the field.

All images and cardinal references are represented according to the inverted orientation of a dobson telescope, i.e. with north at the bottom and east to the right.

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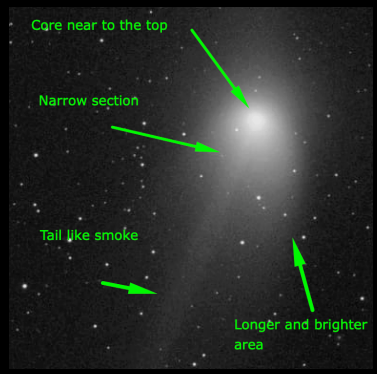
The comet's motion is seen almost in real time.

With this new eyepiece I notice that the brightest part of the comet, its coma, is not uniform. In the direction in which the comet is moving it is more elongated backwards than in the opposite direction. The view is magnificent, richer in detail although I do not see the whole tail. I have to go through it moving the telescope. The colleagues here have made a napkin calculation considering the degrees that has the tail (we believe that a degree and a half approximately) with which to be more or less the same distance to the sun must correspond to 4,500,000 kilometers of tail generated by a boulder of 14kms in diameter. SPECTACULAR.



Delos 14mm (107x - 41’ - 2.9mm)

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Ethos 8mm (187x - 32’ - 1.6mm)

With the 8mm the view is sublime. I have lost some details of fainter brightness but the nucleus is no longer punctual but spherical. The coma is better appreciated that more elongated part almost like a horn that extends on its outermost edge of the area towards which the comet moves. The tail is hardly visible, only the area closest to the comet.

It is quite a show, even at this high magnification.

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