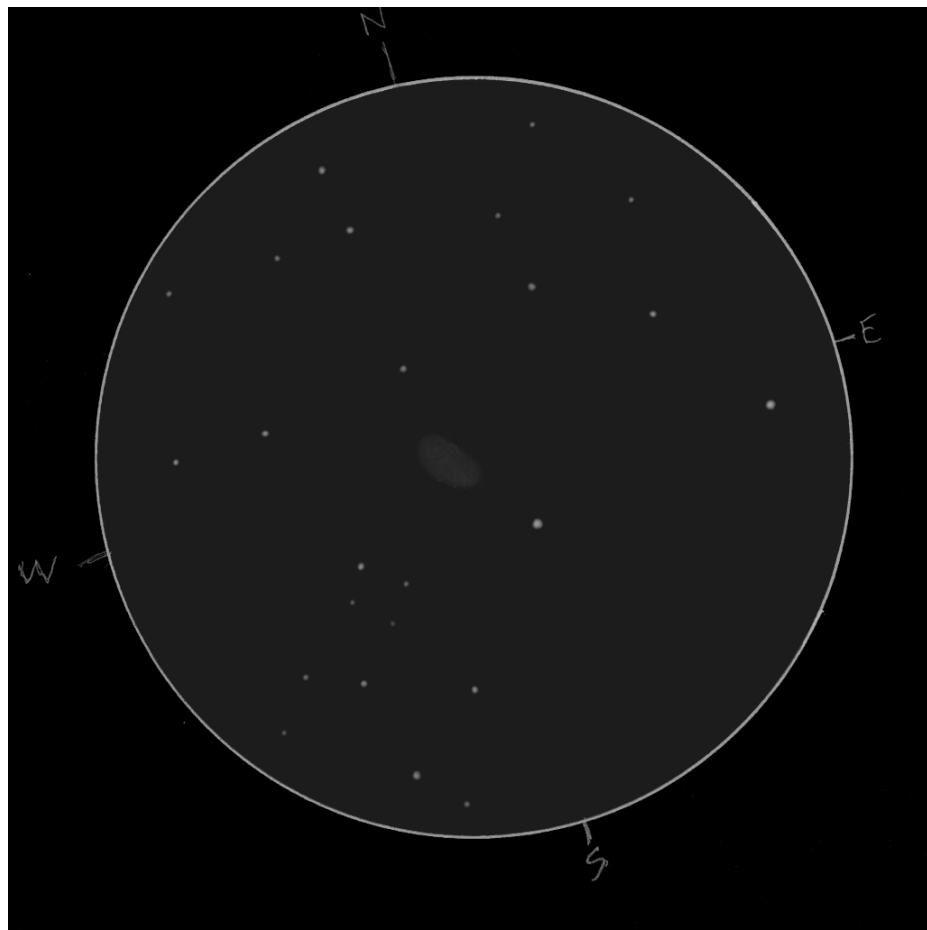


OBSERVER: Rubén Dez Lizaro

OBJECT: M-1 (Crab Nebula) X: 60 FOV: 0.8° FILTER: None
 SITE: Near Arza (Galicia - Spain) DATE: 2019/12/28-29 TIME: 22:35 - 00:05 U.T.
 TYPE/MODEL: Achromatic Refractor APERTURE: 120 mm FOCAL: 600 mm
 EYEPIECE: Vixen LV 10 mm MAG: 4.5 SEEING: JJJ / V TRANSPARENCY: 4 / 7
 CHARTS/CATALOG/GUIDE: Sky Atlas 2K #5, Uranometria 2K #77



NOTES:

Graphite, scanned, and inverted/processed with Gimp.
 Exact location $42^{\circ} 57' 46.8'' N$ $8^{\circ} 15' 00.9'' W$. Suburban sky (5 in Bortle scale).

First sketch after 3 years. I decided to sacrifice both sky quality and rig power to be able to make an almost secret escape to suburban skies looking for a "solo" stargazing.

No bad after so long time. The worst about this sketch is the poor representation of relative brightness of the stars (too few stars, also). Regarding digital processing, I think I'm starting to catch the trick.

COMMENTS:

The Crab Nebula (M1, NGC1952) is a supernova remnant in the constellation of Taurus. It is associated with a historical supernova observed in 1054.

With a apparent visual magnitude of 8.4 and a dimension of $420'' \times 290''$, its distance is quite uncertain and estimated between 4.900 and 8.100 light years.

M1 can be located near Tianquan (ζ Tau), in the direction of Alnath (β Tau, but part of the Auriga asterism).

This particular sketch is taken using a 120mm refractor, so it's not enough to appreciate structure. But this can be done with apertures from 250 or 300 mm under good skies.

SEEING: Antoniadi scale (J = perfect image; V = very poor image).

TRANSPARENCY: American Association of Amateur Astronomers scale (1 = very poor; 7 = extremely clear).