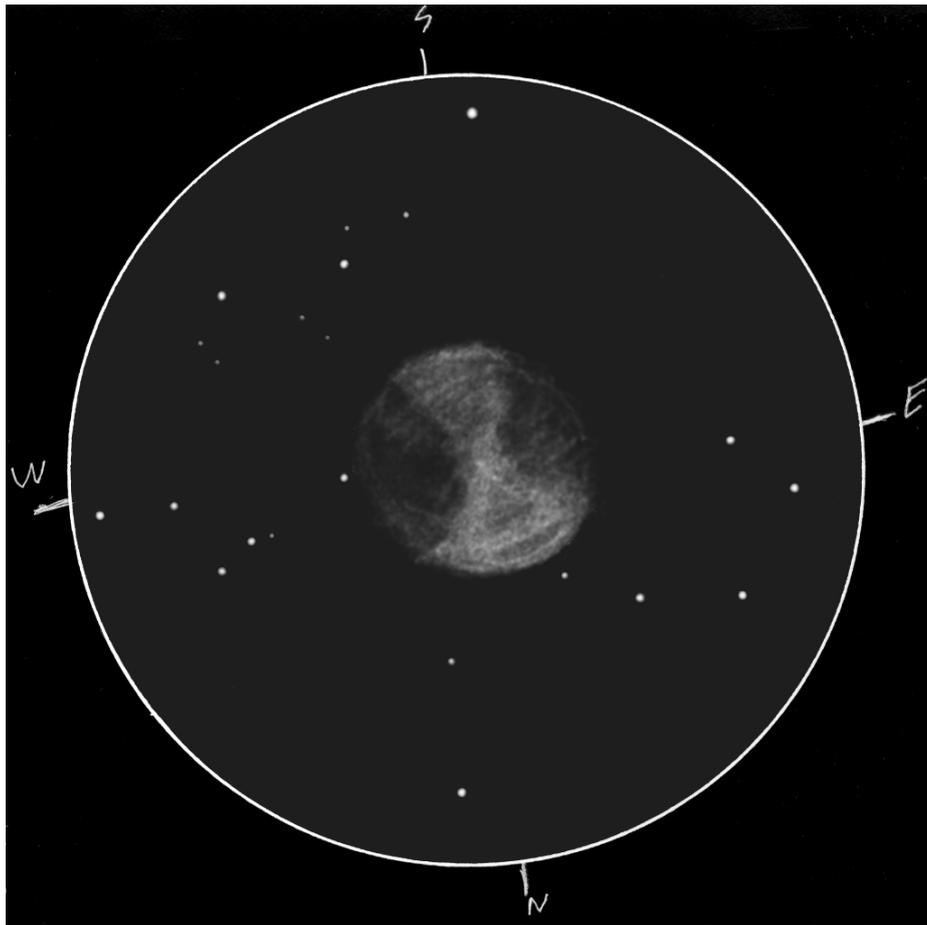


OBSERVER: Ruben Diez-Lazaro_____

OBJECT: M-27 (Dumbbell Nebula)_____ X: 120_ FOV: 0.42° FILTER: _____
 SITE: Near Santiago Comp. (Spain)_ DATE: 2015/06/17-18. TIME: 1:15 - 2:30 U.T._____
 TYPE/MODEL: Newton_____ APERTURE: 200 mm_ FOCAL: 1200 mm_____
 EYEPIECE: Vixen LV 10 mm_____ MALE: 5.8. SEEING: 2/5____ TRANSPA: 5/7____
 CHARTS/CATALOG/GUIDE: Uranometria 2K #66; Sky Atlas 2K #8_____



NOTES:

Graphite, scanned and inverted/processed with Gimp.

Exact location: 42° 55' 55" N, 8° 15' 25" W.

First time i use Gaussian blur filter for the stars: it works fine with them. But I'm not happy with the nebula: noticeable traces and poorly finished edges...

COMMENTS:

One of more famous planetary nebula, easy with small telescope in the constellation of Vulpecula (inside summer triangle). Visual magnitude 7.5 and 8 arcminutes in size.

Best scene in late spring or early summer, it is easy to found from Albireo or M71 (this last directly locatable by a telrad). May be a good idea to find before the Brocchi's cluster ("the Coathanger" asterism) for better direction and scale appreciation in the chart.

Beautiful to see, more details appears after some minutes of observation. The "dumbbell" is appreciate easily in de N-S axis. But the weaker parts at W and E are more evasives, and its exact edges difficult to determine.