

Rosette

Diffuse Nebula
aka NGC 2237, Sh 2-275

R.A.: 06h32m02.0s, Dec.: +04°59'10" (2000) in Monoceros
Galactic lon: +206°17', Galactic lat: -02°02'
Magnitude: 5.50
Size: 70.0'x 60.0'

Comments

Diffuse Nebula

Visual Observing Synopsis for 2009 Jan 27

On this night Rosette is best visible between 19:30 and 01:02, with the optimum view at 22:16. Look for it in Monoceros, high in the sky in complete darkness. It is detectable visually in the RP Astro 16". Use the SWA 34mm for optimum visual detection.

In the following 30 days this object is detectable visually on January 28 through January 31, with the best view coming on January 28. Rosette rises above two airmass for 7 hours at Spinello, Italy. It is best viewed from late December through mid May, with the best evening viewing in early March.

Apparent Data for 2009 Jan 27 GMT+1 at Spinello, Italy

Apparent RA: 06h32m33.1s, Apparent Dec: +04°58'45"
Ecliptical lon: +98°24', Ecliptical lat: -18°13'
Azimuth: +180°12', Apparent Altitude: +51°03', %
Zenith Distance: +38°57'
Local Sidereal Time: 06h33m
Hour Angle: 00h01m
Airmass: 1.3
Mean extincted magnitude: 5.8

Visual Difficulty by Instrument for 2009 Jan 27 22:16

<u>Instrument</u>	<u>Current Visual Difficulty</u>	<u>Best Visual Difficulty</u>
Naked Eye	not visible	not visible
Televue 101	very challenging	very challenging
7x50	not visible	very challenging
RP Astro 16"	difficult	difficult
AT80/550	challenging	challenging
Bresser 10x50	not visible	very challenging
Meade 8 f/6	challenging	challenging

APOD Group: Rosette Nebula

The Rosette Nebula (aka NGC 2237) is not the only cosmic cloud of gas and dust to evoke the imagery of flowers. But it is the one most often suggested as a suitable astronomy image for Valentine's Day. Of the many excellent Rosette Nebula pictures submitted to APOD editors, this view seemed most appropriate, with a long stem of glowing hydrogen gas in the region included in the composition. At the edge of a large molecular cloud in Monoceros, some 5,000 light years away, the petals of this rose are actually a stellar nursery whose lovely, symmetric shape is sculpted by the winds and radiation from its central cluster of hot young stars. The stars in the energetic cluster, cataloged as NGC 2244, are only a few million years old, while the central cavity in the Rosette Nebula is about 50 light-years in diameter. Happy Valentine's Day!

UHC Filters Group:

UHC: (5) Noticeable increase in contrast, with more outer nebulosity visible and some irregular light and dark structure being visible. Nebula was visible when UHC was held up to unaided eye!

OIII: (5) Higher contrast than with UHC, with more dark irregular detail throughout the region (especially in the 10 inch), but not quite as much nebulosity visible as in UHC.

Chart Numbers

Pocket Sky Atlas 25
Millennium Star Atlas Vol I Chart 227
Sky Atlas 2000 Chart 12
Uranometria 2000 Vol I&II Chart 227
Uranometria 2nd Ed. Chart 116
Herald-Bobroff Astroatlas B-11 C-52