

Deep-sky Objects

- [Cygnus Loop](#)
- [Pacman Nebula / NGC281](#)
- [North-America Nebula / NGC 7000](#)

Cygnus Loop



“ My best photo (mosaic) of the Cygnus Loop - [Full resolution picture available on Telescopius](#)

Details:

- Date: 28/Aug/2024
- Exposures: 202x2min Lights, 20x2min Darks
- ISO: 800

Equipment:

- Camera: Canon 6D
- Telescope: Svbony Apochromatic 80/448 mm SV503 80ED Doublet (0.8x reducer/flattener)
- Mount: EQ5 modified with Onstep

Description

The Cygnus Loop (radio source W78, or Sharpless 103) is a large supernova remnant (SNR) in the constellation Cygnus, an emission nebula measuring nearly 3° across. Some arcs of the loop, known collectively as the Veil Nebula or Cirrus Nebula, emit in the visible electromagnetic range. Radio, infrared, and X-ray images reveal the complete loop.

[Find more information about the Cygnus Loop on Wikipedia](#)

Personal Stats

First observation

☐	28/08/2022
☐	Canadelo, Portugal

Imaging sessions

Date	Bortle Class	Total Exposure Time
28/8/2024	Class 3	6h44min (202x2min)

Captured media

Photographs



“ My best photo (mosaic) of the Cygnus Loop - [Full resolution picture available on](#)

[Telescopius](#)

Details:

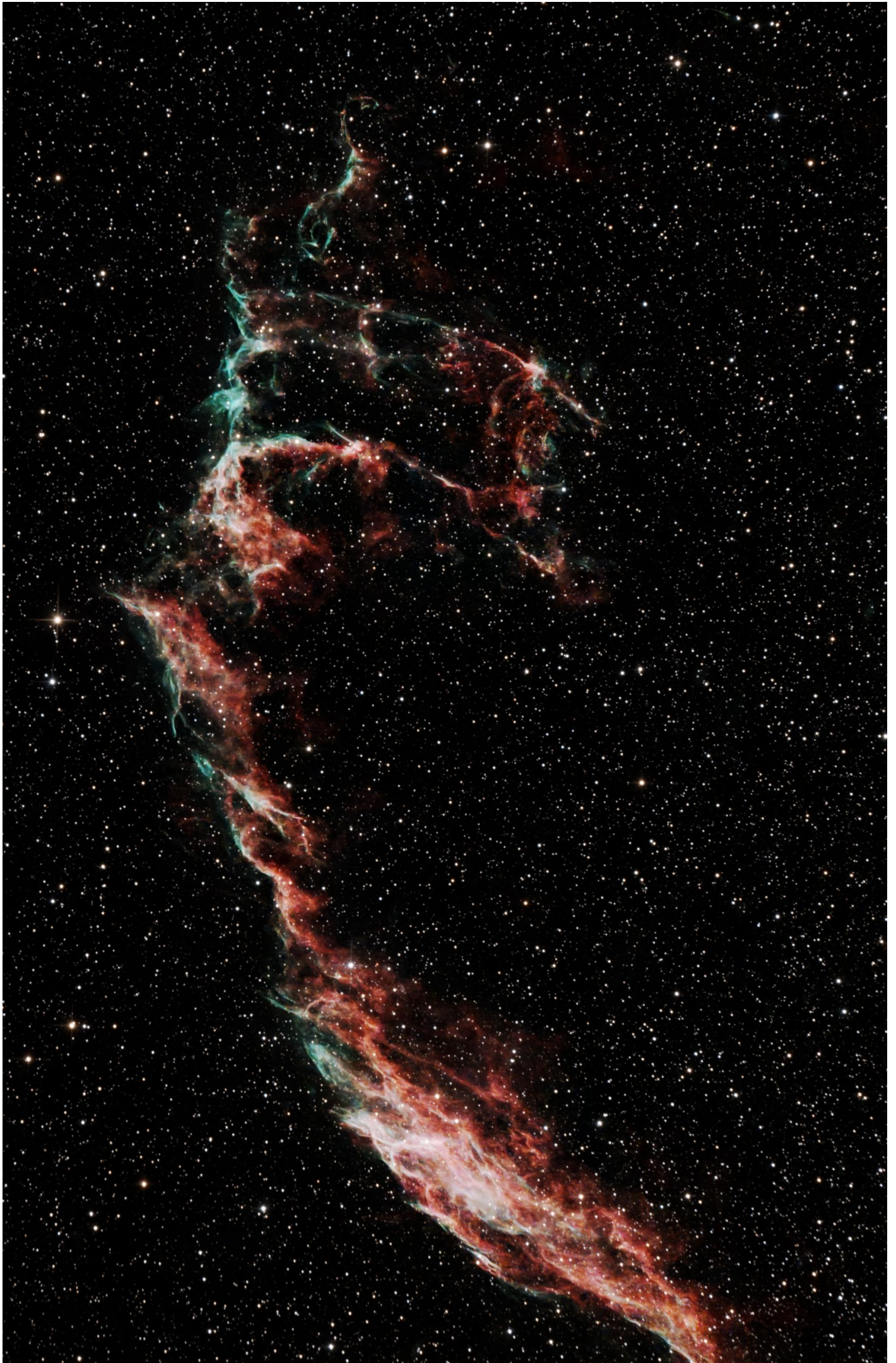
- Date: 28/Aug/2024
- Exposures: 202x2min Lights, 20x2min Darks
- ISO: 800

Equipment:

- Camera: Canon 6D
- Telescope: Svbony Apochromatic 80/448 mm SV503 80ED Doublet (0.8x)

reducer/flattener)

- *Mount*: EQ5 modified with Onstep



“ My best photo of the East Veil Nebula - [Full resolution picture available on Telescopius](#)

Details:

- Date: 6/Sep/2025
- Exposures: 10x5min Lights, 3x5min Darks, 15x5s Flats, 15x5s Dark Flats
- Gain: 126
- Sensor Temperature: -10°C
- Guiding: Yes

Equipment:

- Camera: ZWO ASI294MC Pro
- Filters: SVBONY SV260 Light pollution filter
- Telescope: Orion Newtonian 8"/790 mm N 203/790 (0.95x reducer/flattener)
- Mount: EQ6 modified with Onstep

Pacman Nebula / NGC281

NGC 281



“ My best photo of the Pacman Nebula - [Full resolution picture available on](#)

[Telescopius](#)

Details:

- Date: 26/Aug/2025
- Exposures: 10x5min Lights, 3x5min Darks
- Gain: 105 (doh!)
- Sensor Temperature: -10°C
- Guiding: Yes

Equipment:

- Camera: ZWO ASI294MC Pro
- Filters: **SVBONY SV260 Light pollution filter**
- Telescope: Svbony Apochromatic 80/448 mm SV503 80ED Doublet (0.8x)

reducer/flattener)

- *Mount*: EQ5 modified with Onstep

Description

NGC 281, IC 11 or Sh2-184 is a bright emission nebula and part of an H II region in the northern constellation of Cassiopeia and is part of the Milky Way's Perseus Spiral Arm. This 20×30 arcmin sized nebulosity is also associated with open cluster IC 1590, several Bok globules and the multiple star, B 1. It collectively forms Sh2-184,[3] spanning over a larger area of 40 arcmin.[4] A recent distance from radio parallaxes of water masers at 22 GHz made during 2014 is estimated it lies 2.82 ± 0.20 kpc (9200 ly) from us.[5] Colloquially, NGC 281 is also known as the Pacman Nebula for its resemblance to the video game character.

[Find more information about the Pacman Nebula on Wikipedia](#)

Personal Stats

First observation

<input type="checkbox"/>	26/08/2025
<input type="checkbox"/>	Fontão Fundeiro, Portugal

Imaging sessions

Date	Bortle Class	Total Exposure Time
26/8/2025	Class 4	50min (10x5min)

Captured media

Photographs



“ My best photo of the Pacman Nebula - [Full resolution picture available on](#)

[Telescopius](#)

Details:

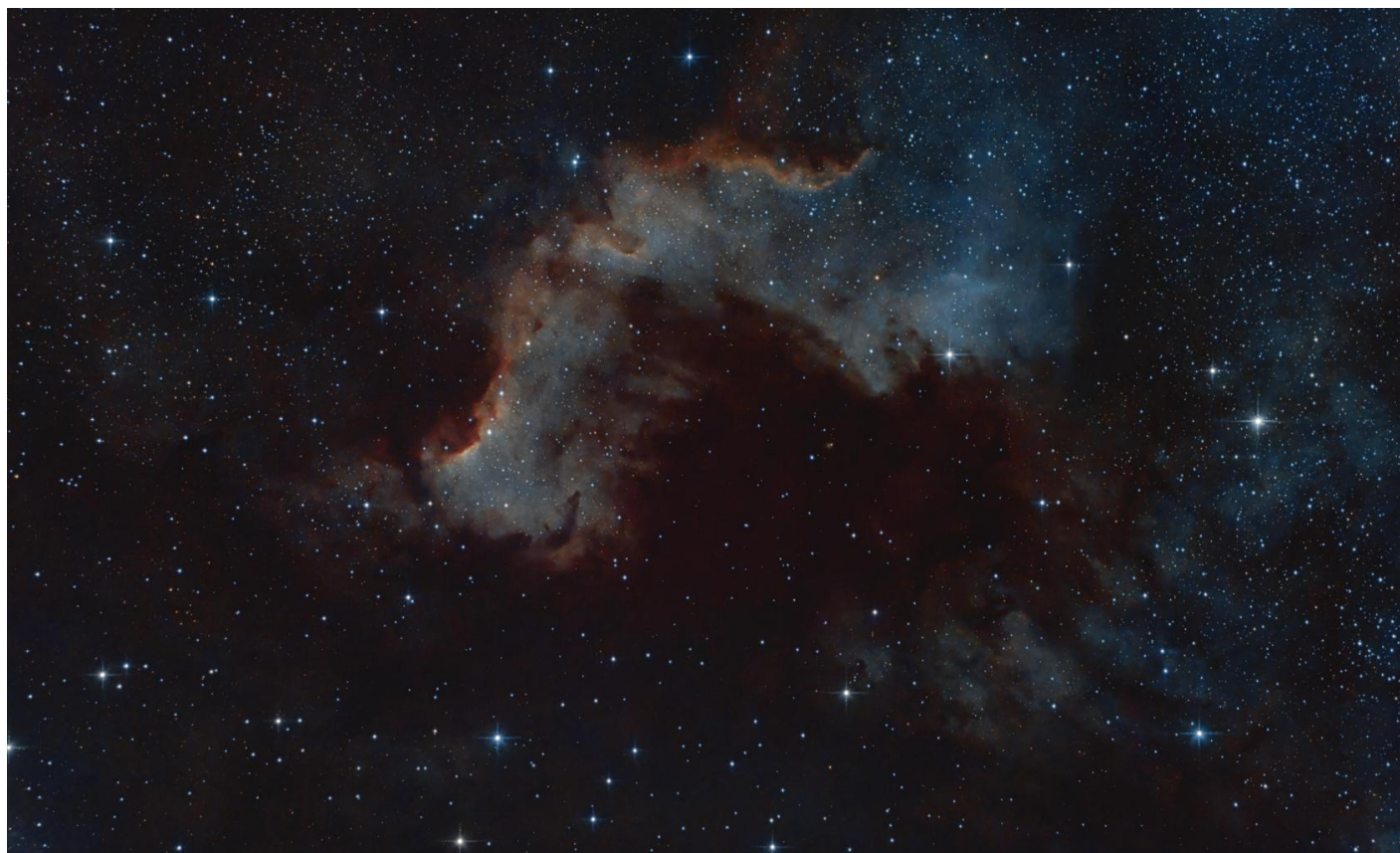
- Date: 26/Aug/2025
- Exposures: 10x5min Lights, 3x5min Darks
- Gain: 105 (doh!)
- Sensor Temperature: -10°C
- Guiding: Yes

Equipment:

- Camera: ZWO ASI294MC Pro
- Filters: **SVBONY SV260 Light pollution filter**
- Telescope: Svobny Apochromatic 80/448 mm SV503 80ED Doublet (0.8x reducer/flattener)
- Mount: EQ5 modified with Onstep

North-America Nebula / NGC 7000

NGC 7000



“ My best photo of the North America Nebula - [Full resolution picture available on](#)

[Telescopius](#)

Details:

- Date: 7/Jun/2025
- Exposures: 27x1min Lights, 10x1min Darks
- ISO: 3200
- Guiding: Yes

Equipment:

- Camera: Canon 6D
- Filters: SVBONY SV206 Light pollution filter
- Telescope: Orion Newtonian 8"/790 mm N 203/790
- Mount: Equatorial Sky-Watcher EQ6 (Upgraded with OnStep)

Description

The North America Nebula (NGC 7000 or Caldwell 20) is an emission nebula in the constellation Cygnus, close to Deneb (the tail of the swan and its brightest star) in the night sky. It is named because its shape resembles North America.

[Find more information about the North America Nebula on Wikipedia](#)

Personal Stats

First observation

<input type="checkbox"/>	16/08/2022
<input type="checkbox"/>	Santa Cruz, Portugal

Imaging sessions

Date	Bortle Class	Total Exposure Time
16/8/2022	Class 5	50min (50x1min)
7/6/2023	Class 5	27min (27x1min)

Captured media

Photographs



“ My best photo of the North America Nebula - [Full resolution picture available on](#)

[Telescopius](#)

Details:

- Date: 7/Jun/2025
- Exposures: 27x1min Lights, 10x1min Darks
- ISO: 3200
- Guiding: Yes

Equipment:

- Camera: Canon 6D
- Filters: SVBONY SV206 Light pollution filter
- Telescope: Orion Newtonian 8"/790 mm N 203/790
- Mount: Equatorial Sky-Watcher EQ6 (Upgraded with OnStep)



“ My first photo of the North America Nebula (reprocessed) - [Full resolution picture available on Telescopius](#)

Details:

- Date: 16/Aug/2025
- Exposures: 50x1min Lights
- ISO: 3200
- Guiding: Yes

Equipment:

- Camera: Canon 6D
- Lens: Pentax Lens 200 mm Super Takumar 200mm
- Mount: Unknown EQ2 (Modified with OpenAstroMount)