



COMPASS IMAGE OF HBC 672

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October 31, 2018 1:00PM (EDT)

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About This Image

CREDITS:

[NASA](#), [ESA](#), and [STScI](#)

KEYWORDS:

[NEBULAS](#)

[REFLECTION NEBULAS](#)

Fast Facts

About The Object

Object Name	Serpens Nebula HBC 672, or [EC 92] 82
Object Description	Reflection nebula and star forming region
R.A. Position	18:29:56.91
Dec. Position	+1:14:45.77
Constellation	Serpens
Distance	1000 light-years
Dimensions	Image is 2 arcmin across (about 0.6 light-years)

About The Data

Data Description	The HST observations include those from programs 15597 M. Mutchler (STScI)
Instrument	WFC3/IR
Exposure Dates	30 August 2018
Filters	F125W, F164N

About The Image

Color Info	These images are a composite of separate exposures acquired by the WFC3/IR instrument on the Hubble Space Telescope. Several filters were used to sample narrow wavelength ranges. The color results from assigning different hues (colors) to each monochromatic (grayscale) image associated with an individual filter. In this case, the assigned colors are: Cyan: F125W Orange: F164N
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About The Object

Object Name	A name or catalog number that astronomers use to identify an astronomical object.
Object Description	The type of astronomical object.
R.A. Position	Right ascension – analogous to longitude – is one component of an object's position.
Dec. Position	Declination – analogous to latitude – is one component of an object's position.
Constellation	One of 88 recognized regions of the celestial sphere in which the object appears.
Distance	The physical distance from Earth to the astronomical object. Distances within our solar system are usually measured in Astronomical Units (AU). Distances between stars are usually measured in light-years. Interstellar distances can also be measured in parsecs.
Dimensions	The physical size of the object or the apparent angle it subtends on the sky.

About The Data

Data Description	Proposal: A description of the observations, their scientific justification, and the links to the data available in the science archive. Science Team: The astronomers who planned the observations and analyzed the data. "PI" refers to the Principal Investigator.
Instrument	The science instrument used to produce the data.
Exposure Dates	The date(s) that the telescope made its observations and the total exposure time.
Filters	The camera filters that were used in the science observations.

About The Image

Image Credit	The primary individuals and institutions responsible for the content.
Publication Date	The date and time the release content became public.
Color Info	A brief description of the methods used to convert telescope data into the color image being presented.
Orientation	The rotation of the image on the sky with respect to the north pole of the celestial sphere.