

Forum:[Hack Forums](#)

Thread: [Hubble Snaps Stunning Image Of An Exploded Star](#)

Duyere - September 25, 2015, 11:45 pm

[img]http://www.iflscience.com/sites/www.iflscience.com/files/styles/ifls_large/public/blog/%5Bnid%5D/Nebula.png?itok=jhmX5avx[/img]

Source: <http://www.iflscience.com/hubble-snaps-stunning-image-exploded-star-0>

Quote:NASA has released an absolutely beautiful photo taken by the Hubble Space Telescope of the debris of a star that exploded 8,000 years ago.

You're looking at the Veil Nebula, a supernova remnant more than 2,000 light-years away. The image has been stitched together from six Hubble images, covering an area about two light-years across. It's only a small fraction of the whole nebula, which has a diameter of 110 light-years.

The nebula, which was first photographed by the Hubble in 1997, was once a star 20 times more massive than the Sun. The light we can see in the image is being emitted by a fast-moving blast wave from the star's explosion as it meets a wall of cool, denser interstellar gas that was blown into space by the star before it exploded.

The colors correspond to the former star's gases: the red glow comes from hydrogen, blue from oxygen and green from sulfur.

To give some perspective, NASA has created a video that zooms in from a "backyard view" of the night sky to the constellation Cygnus, where the nebula lies. Take a look below

[Video: https://www.youtube.com/watch?feature=player_embedded&v=rsqZIXREz2E]

All I have to say is that I never knew an exploded star could deem this much beauty.

theDIVISION - September 26, 2015, 12:01 am

This is amazing and beautiful at the same time!

I always wondered, if a star explodes, imagine how much energy it creates!

Now how does that energy affect the planets relatively close? Would it push them further away? Would it cause disruptions? This is like an amazing sunset and the fact that it is so many lightyears away it still amazes me!

I-I - September 26, 2015, 2:22 am

There's a 3D animation of the fly over: <https://i.imgur.com/8h2efxW.gifv>

The veil looks amazing and is now my background replacing a picture of Earth from Saturn. (PBD)

Yolosmokecrack - September 26, 2015, 2:29 am

how can you be sure this ain't just photoshop lol ya'll still believe nasa

I-I - September 26, 2015, 3:26 am

(Sep 26, 2015 02:29 AM)Yolosmokecrack Wrote: [\[CITE\]](#) how can you be sure this ain't just photoshop lol ya'll still believe nasa

Because anyone who can afford a \$10,000+ (\$30,000 recommended) telescope can buy it and point it at the sky. Better yet you may be able to request time to use a high powered one at your

local museum or observatory.

420 Blaze It - September 26, 2015, 4:12 am

That is so amazing, space just wonders me a lot.

Doctor Blue - September 30, 2015, 1:01 am

(Sep 26, 2015 12:01 AM)theDIVISION Wrote: [\[CITE\]](#) This is amazing and beautiful at the same time! I always wondered, if a star explodes, imagine how much energy it creates!

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Well. There is no air in space, so no shockwave from the blast. They would however be showered in debris, and the nearest planets are sometimes consumed by the star as it grows into a red giant before exploding. This is what we expect of our own star anyway.

Latan Sucifer - September 30, 2015, 9:54 am

One time, I saw a star get bigger and smaller a few times in a row. Something happened. Not sure what. Never seen anything like it in my life. The star went from a normal star to bigger than Venus and then went slightly smaller then larger. This happened quite a few times then gradually reduced back to its normal size. Lasted about a minute or less.