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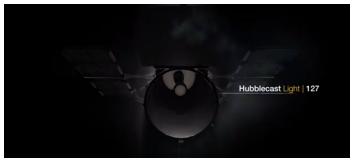
| **Hubblecast 127 Light: The Mysteries of Fomalhaut b** | **Visual notes** |
|---|---|
| 00:00-00:00<br>Intro |  |
| Data from the NASA/ESA Hubble Space Telescope has revealed an expanding cloud of dust that was likely produced in a massive and rare collision. |  |
| This is the first time such a catastrophic event has been observed around a star. |  |
| Hubble images from 2014 showed that the planet Fomalhaut b had vanished, to the disbelief of the astronomers. Adding to the mystery, earlier images showed the object to continuously fade over time. |  |
| The resulting interpretation is that Fomalhaut b is not a planet, but a slowly expanding cloud blasted into space as a result of a collision between two large bodies. |  |

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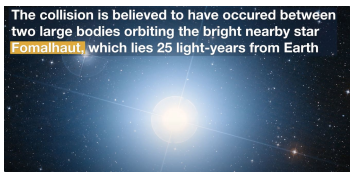
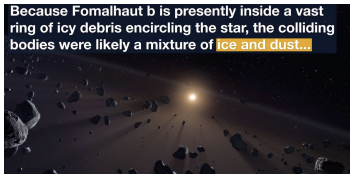
|---|---|
| The collision is believed to have occured between two large bodies orbiting the bright nearby star Fomalhaut, which lies 25 light-years from Earth |  |
| Because Fomalhaut b is presently inside a vast ring of icy debris encircling the star, the colliding bodies were likely a mixture of ice and dust, like the cometary bodies that exist in the Kuiper belt on the outer fringe of our solar system. |  |

**Ends 01:36**