



Gas Eruptions from Comet Holmes?

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"Comet Holmes flared up from a magnitude 17 to magnitude 2 in just 24 hours from October 24 to 25, 2007." - Charlie Kiesel, Amateur Astronomer



Cropped close-up of DSC03081 at 9:59:38 PM, Sunday, October 28, 2007 © by Charlie Kiesel.

October 31, 2007 Fort Branch, Indiana - Today I received the following email from amateur astronomer Charlie Kiesel who lives in Fort Branch, Indiana. He has sent the images of Comet Holmes seeming to erupt in two of 28 images Charlie photographed on Sunday night, October 28, 2007, at 9:59:38 PM CDT and 10:06:51 PM CDT. Charlie has sent the "erupting" images to Spaceweather.com and other NASA comet websites for comment. He told me, "Comet Holmes flared up from a magnitude 17 to magnitude 2 in just 24 hours from October 24 to 25, 2007."

Charlie Kiesel, Amateur Astronomer, Fort Branch, Indiana: "I have photographed comets for several years using camera equipment, tripod and timed exposures. I started this with Haley's Comet in 1986 and have photographed many since.

Saturday night, October 27, 2007, my wife was looking at the comet through 7 X binoculars and was sure she saw something move off and away from the comet. I didn't think much of it at the time, but the next night (Sunday, October 28), I took about thirty photographs of the comet--timed exposures of 7- 15 seconds with a Sony H1 12 X optical lens (camera specs in File/Folder Info below). I recorded two photos with something seemly being ejected from the comet or from some pieces of it which may have been blown off and to the front of the comet and then exploded into view briefly on their own.

I have contacted a local, very good astronomy club, [I was once a member of the club--Evansville Astronomy Club, Evansville, Indiana] about the photos. I have also added links to my photos which have been posted on Spaceweather.com and a NASA site to verify my credibility. I have attached the original photos and my cropped and enhanced versions. You can view whatever was photographed by zooming in on the original photos as well. I will also attach a photo that shows nothing extra - like all the other 28 photos taken that evening (except the two)."

October 28, 2007 -
What Came Out of Comet Holmes?



DSC03081 Time was 9:59:38 PM CDT © 2007 by Charlie Kiesel.



Cropped close-up of DSC03081 at 9:59:38 PM.



DSC03086 time was 10:06:51 PM CDT © 2007 by Charlie Kiesel.

Hypothesis by Charlie Kiesel

"Linda,

At first I thought I had captured an eruption of material from the comet itself. That, however, did not seem reasonable. How could it move 50,000 or 100,000 miles or more in a minute or two?

Next I thought that material might have been ejected on Oct. 24th and was following behind the comet as it moves away from earth tail first. That would leave the material clear of comet and yet near it. We could see it from earth if it erupted and since the comet itself seems to be made of volatile material the debris would make a bright impact also.

My next concern was how could material spread so fast from an eruption of material from the debris and maybe cover 25,000 or 50,000 miles or much more of space in a couple of minutes?

This is where I am now. The trailing debris explodes with a lot of light which then illuminates trailing gases from the comet or creates a chemical reaction of some kind which illuminates a large area instantly and out in front of the comet where we can see it easily. That might explain how a large area of the space near the comet might be illuminate only briefly--1 or 2 minutes.

That is the only way I think the photos can be explained.

The flares in my photos are in the same general direction from the comet that the material my wife, Jann, saw through the 7 X binoculars the night before. What she saw was at the 12 or 1 o'clock position relative to the comet and my photos are at about 1 and 2 o'clock positions.

Charlie Kiesel"

If any Earthfiles viewers are also photographing Comet Holmes and might have photographed gas eruptions, please contact me at: earthfiles@earthfiles.com.

More Information:

For further reports about comets and astronomical events, please see other reports below in the **Earthfiles Archive**:

- 10/25/2007 — Red Rain Cells of Kerala, India: Physicist Says Still No DNA, But Replication At 300 Degrees Celsius (572 F.)
- 10/18/2007 — A Quantum Math Description of Parallel Universes
- 10/11/2007 — Carancas, Peru Meteorite Could Be 10 Tons
- 09/26/2007 — Meteorite Fell in Carancas, Peru - Not Satellite
- 08/03/2007 — The Milky Way Is Devouring the Alien Sagittarius Dwarf Galaxy
- 05/08/2007 — Exploded Star 5 Times Brighter Than Any Supernova Seen Before
- 12/15/2006 — Stardust Comet Mission Reports New Kind of Organics
- 12/01/2006 — Deep Impact and Stardust: Are Comets Made of the Same Stuff?
- 08/19/2006 — Red Rain Cells of Kerala, India - Still No Definite DNA
- 09/16/2005 — "Planet X" and the Kuiper Belt's Oddballs, "Santa" and "Easterbunny"
- 08/12/2005 — Deep Impact Spectra: Carbonate, PAHs and Some Amino Precursors in Comet Tempel I
- 07/10/2005 — First Data from Deep Impact Crash Into Comet Tempel I
- 06/29/2005 — July 3-4, 2005: NASA "Deep Impact" Spacecraft to Blast Hole in Comet Temple I
- 05/06/2005 — What Are The Straight Lines on Saturn's Titan Moon?
- 04/20/2005 — Outer Space Impact At Serpent Mound, Ohio, 256 Million Years Ago
- 04/01/2005 — What's Killing Off Marine Life Every 62 Million Years?
- 02/17/2005 — Iapetus and Enceladus: Baffling Moons of Saturn
- 01/13/2005 — NASA "Deep Space" Craft Will Hit Comet On July 4, 2005
- 12/17/2004 — Is Our Solar System's Red, Mysterious Sedna An Alien Planetoid?
- 11/17/2004 — European Space Agency's SMART-1 Satellite Begins Moon Orbit
- 09/20/2004 — Part 1: Martian Water Vapor and Methane Overlap in Equatorial Regions
- 06/25/2004 — Wild 2, An Amazing Comet
- 06/12/2004 — Part 1 - Field Trip with Microbiologist Dan Burisch to Frenchman Mountain, Nevada
- 03/31/2004 — Methane on Mars - Biology? Volcanic?
- 03/15/2004 — Most Distant "Icy Planetoid" in Our Solar System Has A Most Baffling Orbit
- 10/11/2003 — Is Our Universe Finite and Shaped Like A Dodecahedron?
- 09/02/2003 — Updated - Astronomers Don't Think Asteroid Will Hit Earth in 2014
- 03/07/2003 — Scientist's Record Sun's Plasma Interaction with Comet NEAT
- 10/07/2002 — Large Kuiper Belt Planetoid Found Beyond Pluto
- 08/16/2002 — Did CONTOUR Probe Break Apart Or Disappear Into Space?
- 07/25/2002 — Mile and A Half Diameter Asteroid 2002 NT7 Might Impact Earth in 2019
- 07/11/2002 — Hubble Telescope Photographs Seven Objects Traveling In Pairs Beyond Pluto
- 06/01/2002 — Scientists Surprised by Abundance of Water On Mars
- 02/24/2002 — Mysterious Slowing of Pioneer Spacecraft 7 Billion Miles from Earth
- 01/26/2002 — Something Is Perturbing Comet Orbits in the Oort Cloud Surrounding Our Solar System
- 12/01/2001 — 1200 B. C. - What Caused Earthquake Storms, Global Drought and End of Bronze Age?
- 11/19/2001 — Update on Underwater Megalithic Structures near Western Cuba
- 11/10/2001 — The Orion Constellation and the Pyramids of Giza
- 11/01/2001 — Astronomy News
- 01/14/2001 — An Australian Zircon Crystal is 4.4 Billion Years Old
- 01/07/2001 — Dinosaur-Killing Asteroid Punched 22 Miles Through Earth's Entire Crust
- 12/24/2000 — Martian Bacteria?
- 12/03/2000 — Bacteria from Outer Space?
- 10/01/2000 — A Search for Earth's First Life

- 03/11/2000 — Is 433 Eros Asteroid Younger Than Expected?
 - 02/16/2000 — 433 Eros, Orbiting An Asteroid Up Close
 - 10/25/1999 — A Mysterious "Perturber" at the Edges of Our Solar System
 - 06/15/1999 — Current Brightest Binocular Comet and Upcoming Solar Eclipse
 - 02/01/1999 — Astronomy Updates with Brian Marsden and John Huchra, Harvard
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Websites:

Sky & Telescope: <http://www.skyandtelescope.com/observing/home/10862521.html>

Spaceweather.com: <http://www.spaceweather.com/>

Charlie Kiesel Webpage: <http://home.insightbb.com/~charjann/>

Credits

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