

M87

Composite



1  
00:00:16,630 --> 00:00:14,150  
earlier this year a powerful volcano in

2  
00:00:19,189 --> 00:00:16,640  
iceland erupted and caused havoc with

3  
00:00:21,269 --> 00:00:19,199  
air traffic around europe

4  
00:00:24,150 --> 00:00:21,279  
elsewhere in the universe a similar

5  
00:00:26,630 --> 00:00:24,160  
galactic super volcano has been erupting

6  
00:00:29,189 --> 00:00:26,640  
for millions of years

7  
00:00:31,269 --> 00:00:29,199  
this composite image from nasa's chandra

8  
00:00:33,510 --> 00:00:31,279  
x-ray observatory

9  
00:00:34,950 --> 00:00:33,520  
with radio data from the very large

10  
00:00:37,350 --> 00:00:34,960  
array

11  
00:00:39,990 --> 00:00:37,360  
shows a cosmic volcano being driven by a

12  
00:00:42,950 --> 00:00:40,000  
black hole in the center of the m-87

13  
00:00:47,350 --> 00:00:45,190

this eruption is pumping energy into the

14

00:00:49,350 --> 00:00:47,360

black hole's surroundings and preventing

15

00:00:52,069 --> 00:00:49,360

hundreds of millions of new stars from

16

00:00:53,830 --> 00:00:52,079

forming just as the volcano in iceland

17

00:00:56,310 --> 00:00:53,840

caused disruptions in the earth's

18

00:00:58,389 --> 00:00:56,320

atmosphere

19

00:01:01,430 --> 00:00:58,399

the comparison between the black hole in

20

00:01:03,830 --> 00:01:01,440

m87 and the volcano in iceland shows

21

00:01:06,149 --> 00:01:03,840

that even though astronomical phenomena

22

00:01:08,789 --> 00:01:06,159

occur in exotic settings and over huge