

Hubble observed what kind of explosion created by two neutron stars merging?



1
00:00:15,270 --> 00:00:13,830
in another galaxy

2
00:00:17,349 --> 00:00:15,280
two

3
00:00:20,470 --> 00:00:17,359
stars that were orbiting one another a

4
00:00:23,269 --> 00:00:20,480
binary system ended up merging together

5
00:00:27,830 --> 00:00:23,279
that event also spawned an explosion

6
00:00:33,350 --> 00:00:31,029
that event was so traumatic in the world

7
00:00:36,310 --> 00:00:33,360
of base time that it sent a pulse of

8
00:00:38,790 --> 00:00:36,320
gravitational waves through the universe

9
00:00:40,709 --> 00:00:38,800
they were detected not by hubble but by

10
00:00:42,229 --> 00:00:40,719
gravitational wave detectors on the

11
00:00:44,229 --> 00:00:42,239
ground

12
00:00:45,350 --> 00:00:44,239
when we knew there was a gravitational

13
00:00:47,270 --> 00:00:45,360

wave

14

00:00:48,950 --> 00:00:47,280

event and we pointed hubble in the

15

00:00:51,510 --> 00:00:48,960

direction of that event

16

00:00:54,790 --> 00:00:51,520

we pointed it at that galaxy we saw a

17

00:00:56,869 --> 00:00:54,800

beautiful picture of this explosive

18

00:00:59,670 --> 00:00:56,879

smudge in that galaxy which was