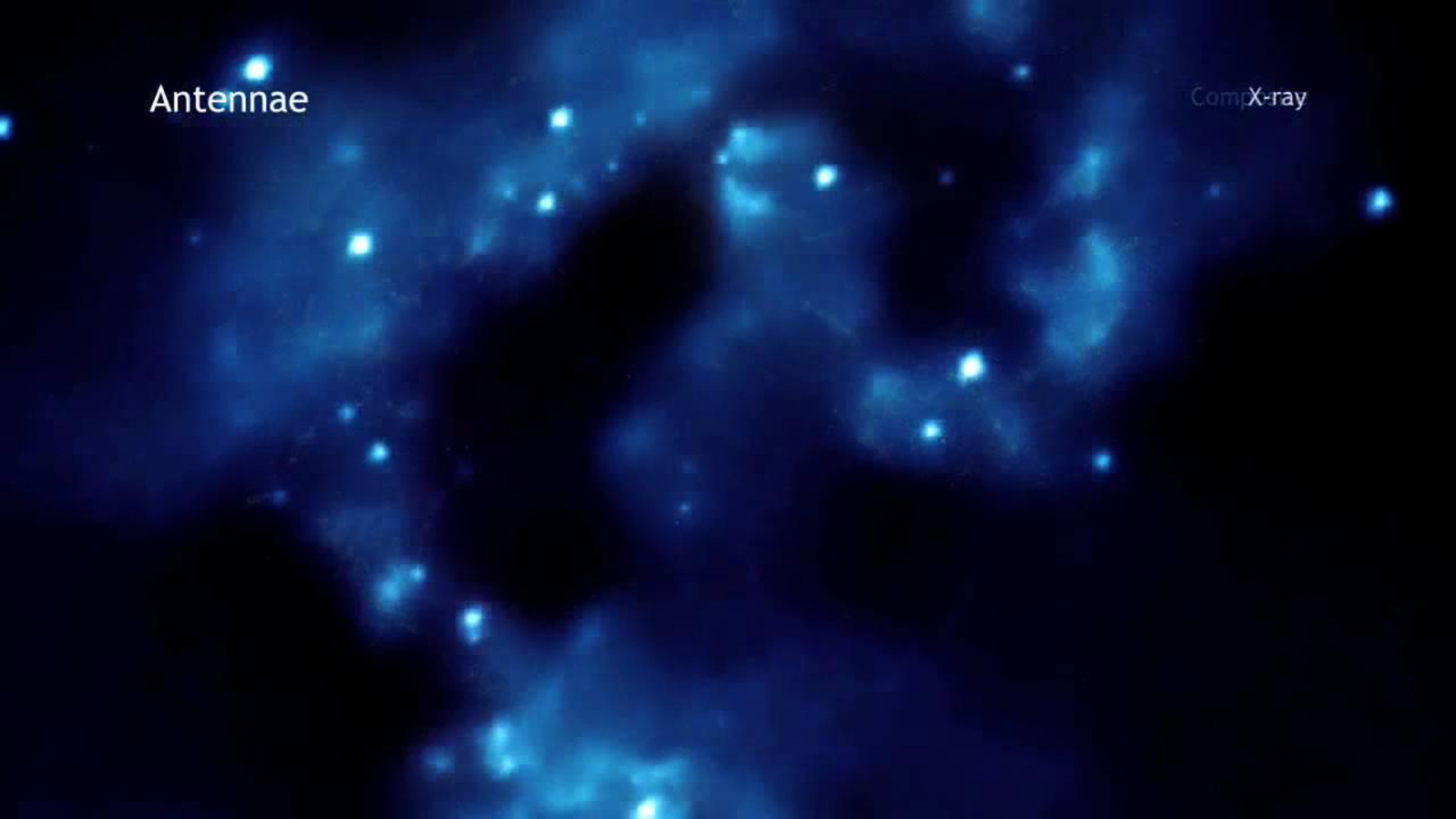


Antennae

CompX-ray



1
00:00:06,630 --> 00:00:03,750
this beautiful new image shows two

2
00:00:08,710 --> 00:00:06,640
colliding galaxies as seen by nasa's

3
00:00:10,629 --> 00:00:08,720
great observatories

4
00:00:13,030 --> 00:00:10,639
the antenna galaxies

5
00:00:14,070 --> 00:00:13,040
located about 62 million light years

6
00:00:16,070 --> 00:00:14,080
from earth

7
00:00:18,870 --> 00:00:16,080
are shown in this composite image from

8
00:00:21,510 --> 00:00:18,880
the chandra x-ray observatory the hubble

9
00:00:23,349 --> 00:00:21,520
space telescope and the spitzer space

10
00:00:25,269 --> 00:00:23,359
telescope

11
00:00:27,990 --> 00:00:25,279
the collision began more than 100

12
00:00:29,669 --> 00:00:28,000
million years ago and is going on

13
00:00:32,229 --> 00:00:29,679

it has triggered the formation of

14

00:00:35,430 --> 00:00:32,239

millions of stars in clouds of dust and

15

00:00:37,830 --> 00:00:35,440

gas in the galaxies

16

00:00:40,549 --> 00:00:37,840

the x-ray image from chandra shows huge

17

00:00:42,470 --> 00:00:40,559

clouds of hot interstellar gas that have

18

00:00:45,910 --> 00:00:42,480

been injected with rich deposits of

19

00:00:48,069 --> 00:00:45,920

elements from supernova explosions

20

00:00:51,270 --> 00:00:48,079

this enriched gas which includes

21

00:00:54,069 --> 00:00:51,280

elements such as oxygen iron magnesium

22

00:00:56,069 --> 00:00:54,079

and silicon will one day be incorporated