



1
00:00:05,749 --> 00:00:03,429
to celebrate the 21st anniversary of the

2
00:00:08,629 --> 00:00:05,759
hubble space telescope's deployment into

3
00:00:11,030 --> 00:00:08,639
space astronomers at the space telescope

4
00:00:13,430 --> 00:00:11,040
science institute in baltimore maryland

5
00:00:15,990 --> 00:00:13,440
pointed hubble's eye at an especially

6
00:00:18,470 --> 00:00:16,000
photogenic pair of interacting galaxies

7
00:00:20,870 --> 00:00:18,480
called arp273

8
00:00:24,790 --> 00:00:20,880
the larger of the spiral galaxies known

9
00:00:27,429 --> 00:00:24,800
as ugc 1810 has a disc that is tidally

10
00:00:29,349 --> 00:00:27,439
distorted into a rose-like shape by the

11
00:00:32,709 --> 00:00:29,359
gravitational tidal pole of the

12
00:00:34,229 --> 00:00:32,719
companion galaxy below it known as ugc

13
00:00:36,630 --> 00:00:34,239

1813

14

00:00:40,229 --> 00:00:36,640

this image is a composite of hubble wide

15

00:00:43,030 --> 00:00:40,239

field camera 3 data taken on december 17

16

00:00:45,029 --> 00:00:43,040

2010 with three separate filters that

17

00:00:47,670 --> 00:00:45,039

allow a broad range of wavelengths

18

00:00:49,750 --> 00:00:47,680

including the ultraviolet blue and red

19

00:00:51,830 --> 00:00:49,760

portions of the spectrum

20

00:00:54,229 --> 00:00:51,840

over the course of its lifetime hubble

21

00:00:56,470 --> 00:00:54,239

has revolutionized nearly all areas of