

**How far has Hubble
seen into the universe?**



1
00:00:13,509 --> 00:00:11,830
hubble has been able to observe objects

2
00:00:14,549 --> 00:00:13,519
way out to almost what the edge of the

3
00:00:19,750 --> 00:00:14,559
universe

4
00:00:24,470 --> 00:00:21,750
hubble was never designed or thought it

5
00:00:26,310 --> 00:00:24,480
could see that far out but because of

6
00:00:27,349 --> 00:00:26,320
the advances in the instruments that

7
00:00:29,589 --> 00:00:27,359
we've been able to put up on the

8
00:00:31,269 --> 00:00:29,599
telescope and also the cleverness of the

9
00:00:33,510 --> 00:00:31,279
scientists they've come up with very

10
00:00:35,430 --> 00:00:33,520
interesting observing scenarios doing

11
00:00:37,110 --> 00:00:35,440
these really deep exposures where we

12
00:00:38,389 --> 00:00:37,120
just sit there for orbit after orbit

13
00:00:39,990 --> 00:00:38,399

after orbit

14

00:00:41,670 --> 00:00:40,000

gathering the photons

15

00:00:44,869 --> 00:00:41,680

we've been able to push hubble out very

16

00:00:46,709 --> 00:00:44,879

very far

17

00:00:47,990 --> 00:00:46,719

these very very deep exposures that

18

00:00:51,510 --> 00:00:48,000

hubble has been able to take we have

19

00:00:55,750 --> 00:00:51,520

seen right to the edge of the universe

20

00:01:03,410 --> 00:00:55,760

13 and a half billion years