



1
00:00:07,490 --> 00:00:04,640
galaxies are like islands in the sea of

2
00:00:15,440 --> 00:00:07,500
space they glow with the light of

3
00:00:18,529 --> 00:00:15,450
billions of Suns the Hubble telescope

4
00:00:24,290 --> 00:00:18,539
reveals nearby galaxies in exquisite

5
00:00:28,490 --> 00:00:24,300
detail galaxies like these fill the

6
00:00:28,500 --> 00:00:34,000
[Music]

7
00:00:42,780 --> 00:00:36,579
looking deep into space we see an

8
00:00:47,640 --> 00:00:44,940
it takes millions of years for their

9
00:00:55,020 --> 00:00:47,650
light to reach us we see them not as

10
00:01:02,729 --> 00:00:57,750
in one tiny region of the sky Hubble

11
00:01:05,520 --> 00:01:02,739
finds some 30,000 galaxies within a

12
00:01:12,540 --> 00:01:05,530
single image we can explore 10 billion

13
00:01:12,550 --> 00:01:24,690

[Music]

14

00:01:29,890 --> 00:01:27,160

relatively nearby galaxies are fully

15

00:01:34,910 --> 00:01:29,900

formed with complete spiral structures

16

00:01:34,920 --> 00:01:39,530

[Music]

17

00:01:45,260 --> 00:01:42,710

as we travel farther into space we see

18

00:01:46,700 --> 00:01:45,270

galaxies as they were further back in

19

00:01:48,860 --> 00:01:46,710

time

20

00:01:51,260 --> 00:01:48,870

these galaxies appear somewhat

21

00:01:56,859 --> 00:01:51,270

disheveled their mature structure is

22

00:02:02,679 --> 00:01:59,980

when universe was young newly formed

23

00:02:09,249 --> 00:02:02,689

galactic discs were ablaze with star

24

00:02:11,320 --> 00:02:09,259

formation beyond this point clumps of

25

00:02:26,050 --> 00:02:11,330

stars that are beginning to form

26

00:02:30,740 --> 00:02:28,460

we've seen that a handful of the

27

00:02:34,059 --> 00:02:30,750

billions of galaxies stretched across