



1
00:00:21,410 --> 00:00:19,460
sometimes a great discovery is a new

2
00:00:26,240 --> 00:00:21,420
perspective on the universe we thought

3
00:00:28,609 --> 00:00:26,250
we knew as the Voyager spacecraft sneer

4
00:00:30,650 --> 00:00:28,619
the edge of our sons reach scientists

5
00:00:35,120 --> 00:00:30,660
are getting a new look at the expanse

6
00:00:37,790 --> 00:00:35,130
and shape of the solar system over 30

7
00:00:43,220 --> 00:00:37,800
years ago Voyager 1 and 2 set out for

8
00:00:45,260 --> 00:00:43,230
Jupiter Saturn and beyond now's the twin

9
00:00:47,330 --> 00:00:45,270
spacecrafts explore the outer reaches

10
00:00:50,029 --> 00:00:47,340
some 9 billion miles away from Earth

11
00:00:55,369 --> 00:00:50,039
they have crossed the heliosphere the

12
00:00:57,590 --> 00:00:55,379
bubble of supersonic solar wind however

13
00:01:00,080 --> 00:00:57,600

when Voyager to cross this boundary much

14

00:01:01,580 --> 00:01:00,090

closer to the Sun than expected we

15

00:01:04,329 --> 00:01:01,590

received a picture of a squashed

16

00:01:06,620 --> 00:01:04,339

heliosphere rather than a round bubble

17

00:01:08,480 --> 00:01:06,630

the squashed heliosphere helps

18

00:01:11,149 --> 00:01:08,490

scientists build up a picture of how the

19

00:01:13,850 --> 00:01:11,159

Sun interacts with the space outside of

20

00:01:16,580 --> 00:01:13,860

our solar system the recently launched

21

00:01:18,499 --> 00:01:16,590

ibex or interstellar boundary Explorer

22

00:01:21,140 --> 00:01:18,509

will further the study of how the solar

23

00:01:23,149 --> 00:01:21,150

wind interacts with the cold gas between