



1
00:00:12,530 --> 00:00:09,770
hi this is our midst n I'm the JPL

2
00:00:14,780 --> 00:00:12,540
Aquarius project manager and I'll be

3
00:00:17,769 --> 00:00:14,790
periodically updating you as we go

4
00:00:20,300 --> 00:00:17,779
towards launch this June we recently

5
00:00:22,609 --> 00:00:20,310
integrated or put together the solar

6
00:00:24,970 --> 00:00:22,619
panels on the spacecraft there are two

7
00:00:27,859 --> 00:00:24,980
panels on the spacecraft the panel's

8
00:00:29,810 --> 00:00:27,869
captures sunlight converts them into

9
00:00:33,530 --> 00:00:29,820
electricity and charges the battery

10
00:00:35,000 --> 00:00:33,540
which makes the observatory work we put

11
00:00:37,420 --> 00:00:35,010
the spacecraft in a very horizontal

12
00:00:40,520 --> 00:00:37,430
position where we can work on them

13
00:00:43,490 --> 00:00:40,530

planks were placed around the spacecraft

14

00:00:47,810 --> 00:00:43,500

so that the people working on it are

15

00:00:50,959 --> 00:00:47,820

safe and tethered and the spacecraft

16

00:00:54,200 --> 00:00:50,969

doesn't get harmed so we gently place

17

00:00:56,600 --> 00:00:54,210

the panel and then we place the second

18

00:00:58,880 --> 00:00:56,610

panel when you're in space there is no

19

00:01:01,939 --> 00:00:58,890

gravity so we have to provide a

20

00:01:04,729 --> 00:01:01,949

mechanism to offload the gravity while

21

00:01:08,780 --> 00:01:04,739

we're testing here on earth after that

22

00:01:12,260 --> 00:01:08,790

we manually deploy the panels so that it

23

00:01:15,710 --> 00:01:12,270

knows exactly where it is and how it is

24

00:01:17,929 --> 00:01:15,720

deployed properly we then made the

25

00:01:36,100 --> 00:01:17,939

deployment through the spacecraft itself

26

00:01:41,870 --> 00:01:39,170

once that was confirmed we put some

27

00:01:45,050 --> 00:01:41,880

light on the panel to make sure that the

28

00:01:46,910 --> 00:01:45,060

panels are alive and working a very

29

00:01:49,790 --> 00:01:46,920

critical operation that is needed for

30

00:01:51,890 --> 00:01:49,800

the spacecraft this is our midst in this