

Aquarius instrument built by NASA



1
00:00:12,770 --> 00:00:10,610
hi I marmot sin I'm the Aquarius project

2
00:00:15,230 --> 00:00:12,780
manager here at JPL and I'll be giving

3
00:00:18,230 --> 00:00:15,240
you periodic updates as this mission

4
00:00:21,380 --> 00:00:18,240
gets closer and closer to launch in june

5
00:00:24,200 --> 00:00:21,390
of this year Aquarius is NASA's first

6
00:00:26,900 --> 00:00:24,210
sea surface salinity mission in simpler

7
00:00:29,480 --> 00:00:26,910
terms Aquarius measures how salty the

8
00:00:31,420 --> 00:00:29,490
ocean is from space if you take a pinch

9
00:00:34,790 --> 00:00:31,430
of salt and put into a gallon of water

10
00:00:38,810 --> 00:00:34,800
that is the sensitivity we can measure

11
00:00:42,170 --> 00:00:38,820
from 408 miles above the earth the birth

12
00:00:44,299 --> 00:00:42,180
of Aquarius started here in the US the

13
00:00:47,420 --> 00:00:44,309

queries instrument was built by NASA at

14

00:00:49,970 --> 00:00:47,430

JPL once the instrument was completed it

15

00:00:52,369 --> 00:00:49,980

was taken to Argentina where it was put

16

00:00:55,580 --> 00:00:52,379

together with the spacecraft provided by

17

00:00:57,979 --> 00:00:55,590

Argentina we then transported the

18

00:00:59,900 --> 00:00:57,989

instrument and spacecraft to Brazil to

19

00:01:01,729 --> 00:00:59,910

do environmental testing the

20

00:01:04,070 --> 00:01:01,739

environmental testing assures us that

21

00:01:06,230 --> 00:01:04,080

will work in space appropriately then

22

00:01:07,760 --> 00:01:06,240

just last month it was brought back to

23

00:01:11,330 --> 00:01:07,770

Vandenberg where it's going to be

24

00:01:14,060 --> 00:01:11,340

launched coming up next we will show you

25

00:01:16,760 --> 00:01:14,070

how the solar panels are attached to the

26

00:01:18,770 --> 00:01:16,770

spacecraft these solar panels takes

27

00:01:21,109 --> 00:01:18,780

sunlight converts them into electricity

28

00:01:24,560 --> 00:01:21,119

and charges the battery when we're going

29

00:01:26,780 --> 00:01:24,570

to be in space I mahmud sin with this