



1

00:00:00,940 --> 00:00:07,490

Webb is truly a civilian scale mission, it not only changes what we know but how we think

2

00:00:07,490 --> 00:00:08,490

about ourselves.

3

00:00:08,490 --> 00:00:14,739

It will pick up where the Hubble Space telescope & Spitzer Space telescope left off in their

4

00:00:14,739 --> 00:00:15,759

capabilities

5

00:00:15,759 --> 00:00:21,510

And it lets us see out through 13 billion years of cosmic time to look at the first

6

00:00:21,510 --> 00:00:24,310

generation of galaxies that formed after the Big Bang

7

00:00:24,310 --> 00:00:30,570

It will also look at these worlds out there, Exoplanets that may or may not harbor life

8

00:00:30,570 --> 00:00:34,989

When Webb telescope gets to space, it will be operating in very harsh conditions, in

9

00:00:34,989 --> 00:00:39,589

a vacuum, in very cold, so we have to test that on Earth

10

00:00:39,589 --> 00:00:45,289

At Johnson Space Center, their Chamber A was used to do the thermal-vacuum test

11

00:00:45,289 --> 00:00:52,659

Chamber A was built for the Apollo mission,
they tested the Apollo spacecraft in it, and

12
00:00:52,659 --> 00:00:59,079
for the Webb telescope, we have totally taken
that chamber and repurposed it, it's a multi-story

13
00:00:59,079 --> 00:01:05,050
thermos bottle, which we can pump all the
air out, and then chill it, very cold

14
00:01:05,050 --> 00:01:10,930
This critical test has been planned for a
long time, it was a very long test, and we

15
00:01:10,930 --> 00:01:15,000
passed with flying colors!

16
00:01:15,000 --> 00:01:20,150
Webb is a partnership between NASA, the European
Space Agency and the Canadian Space Agency

17
00:01:20,150 --> 00:01:25,780
Science is international, because we bring
the to the table that everybody can offer

18
00:01:25,780 --> 00:01:30,810
And It REALLY takes a planet to make telescope
like JWST

19
00:01:30,810 --> 00:01:35,080
It pushing the limits of technology and it's
going to push forward the limits of science

20
00:01:35,080 --> 00:01:39,560
It's an incredibly powerful tool to take
the next step in space exploration

21
00:01:39,560 --> 00:01:45,250
You know I really feel fortunate to be living

right now, and be at NASA right now, because