



1
00:00:10,750 --> 00:00:12,340

Most of us know Explorer one as America's first satellite,

2
00:00:12,340 --> 00:00:17,639

what not everyone realizes is it's really the first scientific spacecraft

3
00:00:17,640 --> 00:00:21,510

It made the first scientific discoveries in space as it explored the Van Allen radiation belts

4
00:00:21,510 --> 00:00:26,189

And what they did was create for NASA for America's space program a scientific basis.

5
00:00:27,550 --> 00:00:33,450

It represents an achievement really in 1958 as great as Cassini or Curiosity is today to us.

6
00:00:34,930 --> 00:00:37,169

And for us here at JPL

7
00:00:37,239 --> 00:00:41,280

It moved us away from building rockets from working on getting stuff into space

8
00:00:41,280 --> 00:00:43,019

to building the spacecraft themselves.

9
00:00:44,920 --> 00:00:48,220

It makes us proud to look back on Explorer one and realize that JPL

10
00:00:48,220 --> 00:00:50,100

built that before NASA was an agency

11
00:00:50,980 --> 00:00:55,500

And it's great to realize that we played such a key role in the development of the space program for the u.s.

12
00:00:57,579 --> 00:01:00,600

One of the challenges when we look back at Explorer 1 is

13
00:01:00,600 --> 00:01:02,999

how difficult it was to even get anything into space

14

00:01:03,100 --> 00:01:05,250

And you know today we still worry about launch

15

00:01:05,590 --> 00:01:06,980

Still worry is there going to be a launch failure

16

00:01:06,980 --> 00:01:09,180

worry about the early deployment of the spacecraft.

17

00:01:09,180 --> 00:01:10,890

Of course in those days there had never

18

00:01:10,890 --> 00:01:14,669

been a satellite launched by the U.S. that successfully got to orbit and operating

19

00:01:19,120 --> 00:01:21,310

You know it is amazing for us to realize how

20

00:01:21,440 --> 00:01:25,359

Aggressive they were and how bold they were in pushing Explorer 1 forward and making it be successful

21

00:01:28,610 --> 00:01:32,900

It reminds us to be bold and to take chances and to be aggressive and uh

22

00:01:32,900 --> 00:01:34,929

you know to seek the biggest challenges that we can

23

00:01:35,060 --> 00:01:36,860

Look for life on other planets.

24

00:01:36,860 --> 00:01:38,600

look for life under the ice sight at Europa,

25

00:01:38,600 --> 00:01:39,518

look for life on Mars,

26

00:01:39,518 --> 00:01:41,200

find another earth that's an exoplanet.