



1
00:00:07,400 --> 00:00:05,240
50 years ago and white took a 23 minute

2
00:00:08,810 --> 00:00:07,410
walk now that may not sound like such a

3
00:00:11,540 --> 00:00:08,820
big deal there was something special

4
00:00:13,249 --> 00:00:11,550
about this particular walk you see Ed

5
00:00:15,740 --> 00:00:13,259
White was America's first space Walker

6
00:00:18,439 --> 00:00:15,750
who orbited earth tethered outside his

7
00:00:22,519 --> 00:00:18,449
spacecraft traveling from wide to the

8
00:00:24,470 --> 00:00:22,529
Gulf of Mexico 23 minutes this important

9
00:00:26,330 --> 00:00:24,480
first was an incredible physical

10
00:00:27,859 --> 00:00:26,340
challenge Anna turning point in

11
00:00:31,030 --> 00:00:27,869
establishing America's leadership in

12
00:00:34,130 --> 00:00:31,040
space and NASA didn't stop there

13
00:00:36,200 --> 00:00:34,140

spacewalks spacesuits have become a

14

00:00:39,470 --> 00:00:36,210

critical component to all of our human

15

00:00:41,660 --> 00:00:39,480

space exploration efforts in the last 50

16

00:00:44,690 --> 00:00:41,670

years spacewalking astronauts have made

17

00:00:46,959 --> 00:00:44,700

more than 260 excursions into space to

18

00:00:49,069 --> 00:00:46,969

explore the moon on six Apollo missions

19

00:00:50,930 --> 00:00:49,079

build orbiting laboratory of the

20

00:00:52,420 --> 00:00:50,940

International Space Station and repair

21

00:00:55,639 --> 00:00:52,430

and upgrade our window to the universe

22

00:00:58,639 --> 00:00:55,649

the Hubble Space Telescope for the first

23

00:01:00,709 --> 00:00:58,649

time since 1982 NASA is in the process

24

00:01:03,319 --> 00:01:00,719

of evaluating and testing new space suit

25

00:01:05,240 --> 00:01:03,329

designs that the future astronauts will

26

00:01:07,490 --> 00:01:05,250

need for missions to an asteroid and

27

00:01:09,140 --> 00:01:07,500

Mars these designs include

28

00:01:10,969 --> 00:01:09,150

considerations for use of soft and hard

29

00:01:12,980 --> 00:01:10,979

materials and combinations that improve

30

00:01:15,920 --> 00:01:12,990

the features for humans without

31

00:01:17,929 --> 00:01:15,930

sacrificing safety space walking its

32

00:01:19,249 --> 00:01:17,939

ultimate adrenaline rush but it's also

33

00:01:21,350 --> 00:01:19,259

an important part of NASA's human

34

00:01:23,320 --> 00:01:21,360

exploration missions to learn more about

35

00:01:29,510 --> 00:01:23,330

NASA's journey to Mars visit