



1
00:00:03,176 --> 00:00:08,366
>> Six, five, four,
three, two, one.

2
00:00:09,516 --> 00:00:24,016
[Music]

3
00:00:24,516 --> 00:00:24,806
>> Fire. [inaudible].

4
00:00:27,066 --> 00:00:30,856
>> The flight opportunities
program facilitates the

5
00:00:31,136 --> 00:00:33,826
demonstration of
technologies that'll be used

6
00:00:33,826 --> 00:00:36,836
in space commerce as well
as space exploration.

7
00:00:37,516 --> 00:00:41,666
And we do that through utilizing
suborbital flight providers

8
00:00:42,226 --> 00:00:45,046
that can test these technologies
in suborbital space.

9
00:00:45,696 --> 00:00:46,006
>> Capsule.

10
00:00:46,486 --> 00:00:46,616
>> Go.

11
00:00:48,136 --> 00:00:48,236
>> [inaudible] go.

12

00:00:48,236 --> 00:00:49,026

>> Two, one.

13

00:00:49,866 --> 00:00:54,306

>> The mission of the NASA flight opportunities program is

14

00:00:54,396 --> 00:00:57,666

to do [inaudible] of new technologies by flying them

15

00:00:58,026 --> 00:00:59,956

on commercial flight platform.

16

00:01:01,086 --> 00:01:04,136

The way it work is that the principal investigator

17

00:01:04,136 --> 00:01:08,846

of a technology will go and pick a commercial of flight vehicles

18

00:01:08,846 --> 00:01:11,986

such as balloon, where it can get long exposure

19

00:01:11,986 --> 00:01:15,176

to high-altitude environment, [inaudible] radiation.

20

00:01:15,626 --> 00:01:18,496

You can also use public aircraft to get a few seconds

21

00:01:18,496 --> 00:01:19,976

of micro-gravity or [inaudible]

22

00:01:20,126 --> 00:01:22,966

to get a few minutes

of micro-gravity.

23

00:01:23,016 --> 00:01:26,966

You can also use a vertical
takeoff and landing vehicles

24

00:01:26,966 --> 00:01:29,846

on which you can test
lander's technology.

25

00:01:30,516 --> 00:01:32,566

[Inaudible]

26

00:01:33,066 --> 00:01:33,826

>> Copy. Surveillance.

27

00:01:33,826 --> 00:01:35,836

>> Surveillance ready.

28

00:01:35,836 --> 00:01:38,116

>> The work that we're doing

29

00:01:38,116 --> 00:01:47,026

under flight opportunities helps
provide validation that yes,

30

00:01:47,026 --> 00:01:49,416

it can be done and yes,
this is the sort of thing

31

00:01:49,416 --> 00:01:52,766

that is worth these other
companies investing their

32

00:01:52,906 --> 00:01:54,186

money in.

33

00:01:54,186 --> 00:01:55,576

>> NASA is really excited

34

00:01:55,576 --> 00:01:57,826

to help advance the
commercial spaceflight industry.

35

00:01:58,016 --> 00:02:00,976

The flight opportunities program
funds technology development

36

00:02:01,076 --> 00:02:02,926

flights on commercial vehicles.

37

00:02:03,266 --> 00:02:06,976

These flight investments not
only stimulate the technical

38

00:02:07,036 --> 00:02:10,076

advancement which can, of
course, be used on commercial

39

00:02:10,186 --> 00:02:13,386

and NASA missions but it also
stimulates the flight provider

40

00:02:13,386 --> 00:02:16,596

industry, bringing more vehicles
to the market in the future

41

00:02:16,596 --> 00:02:19,496

which can be used
for further research.