http://www.nasa.gov/flightopportunities

1
00:00:03,176 --> 00:00:06,876
>> Six, five, four,
three, two, one.

2
00:00:07,516 --> 00:00:24,036
[Music]

3
00:00:24,536 --> 00:00:24,636
>> Fire

4
00:00:26,896 --> 00:00:27,366
>> Missile away.

5
00:00:27,826 --> 00:00:29,466
>> Flight Opportunities
is a program

6
00:00:29,466 --> 00:00:33,286
where NASA provides opportunity
for technology development

7
00:00:33,666 --> 00:00:35,736
by flying these technologies
in space

8
00:00:35,736 --> 00:00:37,726
like environments on
similar platforms.

9
00:00:38,446 --> 00:00:41,696
>> The mission of the NASA
Flight Opportunities Program is

10
00:00:41,776 --> 00:00:45,056
to do risk predictions of new
technologies by flying them

11
00:00:45,406 --> 00:00:47,736
on commercial flight platform.

12
00:00:48,526 --> 00:00:51,526
The way it works is that
the principal investigator

13
00:00:51,526 --> 00:00:56,116
of a technology will go and
pick a commercial flight vehicle

14
00:00:56,176 --> 00:00:59,376
such as balloon where
it can get long exposure

15
00:00:59,376 --> 00:01:01,616
to high altitude environment.

16
00:01:01,616 --> 00:01:02,556
[inaudible] radiation.

17
00:01:03,016 --> 00:01:05,886
You can also use public
aircraft to get a few signals

18
00:01:05,886 --> 00:01:08,296
of microgravity or
sending rockets

19
00:01:08,296 --> 00:01:10,306
to get a few minutes
of microgravity.

20
00:01:10,406 --> 00:01:14,376
You can also use a vertical
takeoff and landing vehicles

21
00:01:14,376 --> 00:01:15,856
on which you can test
landers technology.

22

00:01:16,096 --> 00:01:19,156
>> RSO how do you read?

23
00:01:19,756 --> 00:01:21,166
>> RSO is green.

24
00:01:22,086 --> 00:01:22,686
>> Copy.

25
00:01:22,686 --> 00:01:23,976
>> Surveillance?

26
00:01:24,246 --> 00:01:24,946
>> Surveillance ready.

27
00:01:25,266 --> 00:01:26,566
>> The work that we're doing

28
00:01:26,566 --> 00:01:29,336
under Flight Opportunities
helps provide validation

29
00:01:29,336 --> 00:01:32,386
that yes it can be done and
yes this is the sort of thing

30
00:01:32,386 --> 00:01:35,066
that is worth these other
companies investing their

31
00:01:35,066 --> 00:01:35,506
money in.

32
00:01:36,126 --> 00:01:38,846
>> Part of the real value of the
Flight Opportunities Program is

33
00:01:38,846 --> 00:01:42,196
that it is effectually priming

the pump for an entire industry

34
00:01:42,466 --> 00:01:43,486
in lots of different ways.

35
00:01:43,606 --> 00:01:46,566
Its helping us as the vehicle
providers figure out how best

36
00:01:46,566 --> 00:01:47,946
to service the research
community.

37
00:01:48,326 --> 00:01:51,186
But also, because the Flight
Opportunities Program flights

38
00:01:51,286 --> 00:01:54,626
are specifically geared towards
technology its helping develop

39
00:01:54,716 --> 00:01:57,456
the actual systems and the
technologies and the censors

40
00:01:57,516 --> 00:01:59,666
at that in turn are going
to enable all this science.

41
00:02:00,006 --> 00:02:01,386
>> NASA is really excited

42
00:02:01,386 --> 00:02:03,646
to help advance commercial
space flight industry.

43
00:02:03,646 --> 00:02:06,776
The Flight Opportunities Program
funds technology development

44
00:02:06,876 --> 00:02:08,726
flights on commercial vehicles.

45
00:02:09,006 --> 00:02:12,776
These flight investments not
only stimulate the technical

46
00:02:12,836 --> 00:02:15,416
advancement and technology
advancement which can

47
00:02:15,446 --> 00:02:18,146
of course be used on
commercial and NASA missions

48
00:02:18,506 --> 00:02:20,976
but it also stimulates the
flight provider industry.

49
00:02:21,286 --> 00:02:23,606
Bringing more vehicles to
the market in the future

50
00:02:23,606 --> 00:02:25,346
which can be used
for further research.