



1
00:00:00,050 --> 00:00:04,020
NASA's Dryden Flight Research Center
recently completed a study at Edwards

2
00:00:04,020 --> 00:00:07,710
Air Force Base in Southern California
designed to gauge public attitudes

3
00:00:07,710 --> 00:00:09,280
towards sonic booms.

4
00:00:09,860 --> 00:00:14,600
Rolling in 3..2..1..Now...Copy..Mark

5
00:00:15,420 --> 00:00:16,080
[sound of sonic boom]

6
00:00:17,260 --> 00:00:19,100
The Waveforms and Sonic Boom Perception

7
00:00:19,100 --> 00:00:21,480
and Response project gathered data for

8
00:00:21,480 --> 00:00:23,560
more than 100 volunteer Edwards residents

9
00:00:23,560 --> 00:00:25,140
about their reactions to low

10
00:00:25,140 --> 00:00:29,100
noise booms created by NASA F/A-18 test aircraft.

11
00:00:29,100 --> 00:00:30,360
With WSPR we're trying to

12
00:00:30,360 --> 00:00:32,000
get a read back from the people on the

13

00:00:32,000 --> 00:00:34,170

ground to some kind of annoyance level.

14

00:00:34,170 --> 00:00:36,780

How annoying was this low boom?

15

00:00:37,060 --> 00:00:40,160

How annoying was this more moderate boom?

16

00:00:40,940 --> 00:00:42,620

NASA and Industry are working on

17

00:00:42,620 --> 00:00:44,400

technology that will reduce the noise

18

00:00:44,400 --> 00:00:46,780

and annoyance associated with sonic booms

19

00:00:46,780 --> 00:00:48,739

so they won't disturb the peace.

20

00:00:49,220 --> 00:00:51,040

Aviation and governmental authorities

21

00:00:51,040 --> 00:00:52,820

may then consider lifting current

22

00:00:52,820 --> 00:00:55,080

prohibitions on aircraft flying over land

23

00:00:55,080 --> 00:00:56,680

at supersonic speeds.

24

00:00:56,960 --> 00:01:00,120

Currently we're limited by overland sonic booms.

25

00:01:00,540 --> 00:01:02,820

There's no regulation stipulating what kind of

26

00:01:02,820 --> 00:01:05,220

sonic booms can be projected over land.

27

00:01:05,560 --> 00:01:07,860

Right now, the rule is no sonic booms over land.

28

00:01:08,640 --> 00:01:11,320

Data from the recent study will be a valuable guide

29

00:01:11,620 --> 00:01:13,880

for future public perception studies in communities

30

00:01:13,880 --> 00:01:16,180

that normally don't experience sonic booms.

31

00:01:17,260 --> 00:01:18,800

People here at the Edwards Air Force Base

32

00:01:18,800 --> 00:01:20,440

that are obviously very familiar with sonic booms

33

00:01:20,500 --> 00:01:22,160

eventually we want to take this to a broader level

34

00:01:22,160 --> 00:01:24,760

where people that's never heard a sonic boom.

35

00:01:25,100 --> 00:01:26,740

So first, we need to figure how to do that.

36

00:01:27,660 --> 00:01:30,080

The research was sponsored by the supersonics project