1
00:00:00,000 --> 00:00:08,000
silence

2
00:00:08,020 --> 00:00:12,100
music

3
00:00:12,120 --> 00:00:16,290
My name is Jacob Bleacher. I'm a research scientist at Goddard Space Flight Center

4
00:00:16,310 --> 00:00:20,340
I study lava flows, and I study those on the Earth as well as Mars

5
00:00:20,360 --> 00:00:24,340
the moon, and basically that lava has flowed in the solar system. So, I

6
00:00:24,360 --> 00:00:28,350
a combination of field studies on the Earth, and then remote orbiter

7
00:00:28,370 --> 00:00:32,360
data on other planets. One of the things that I'm working on

8
00:00:32,380 --> 00:00:36,370
is understanding lava sheet inflation. What this involves is

9
00:00:36,390 --> 00:00:40,380
the placement of an extensive sheet of lava that the surface hards at one

10
00:00:40,400 --> 00:00:44,560
time, but the interior of the sheet is still liquid.

11
00:00:44,580 --> 00:00:48,750
these lavas can then, if they continue to flow, lift up the crust of the lava

12
00:00:48,770 --> 00:00:52,770
and some of the places that we've been studying them, like in New Mexico, lava sheets

13
00:00:52,790 --> 00:00:56,770

have been inflated 15 to 20 meters high. So, it's pretty impressive to be

14
00:00:56,790 --> 00:01:00,780
walking around in the field and come up to a wall of lava.

15
00:01:00,800 --> 00:01:04,860
My job with the Desert RATS, the most is the field test.

16
00:01:04,880 --> 00:01:08,870
Your doing your science, but you are testing new technologies along the way. To me, that's the great part:

17
00:01:08,890 --> 00:01:12,880
the real team enviroment among the scientists and among the

18
00:01:12,900 --> 00:01:16,980
engineers, and being able to use your science input to really help drive NASA technology development