



1
00:00:11,350 --> 00:00:08,310
this is john kalas at the jet propulsion

2
00:00:13,030 --> 00:00:11,360
laboratory with your free spirit update

3
00:00:15,350 --> 00:00:13,040
what we did is to take our engineering

4
00:00:17,670 --> 00:00:15,360
test rover and drive it up into the new

5
00:00:20,870 --> 00:00:17,680
sandbox and then get it stuck or

6
00:00:22,550 --> 00:00:20,880
embedded just like spirit is on mars and

7
00:00:24,470 --> 00:00:22,560
this involves maneuvering the rover

8
00:00:27,109 --> 00:00:24,480
round driving the wheels to where the

9
00:00:29,349 --> 00:00:27,119
rover would sink in and and slide to the

10
00:00:32,229 --> 00:00:29,359
side downslope much like we think spirit

11
00:00:34,630 --> 00:00:32,239
is currently situated on mars what we

12
00:00:36,310 --> 00:00:34,640
want to be able to do is to experiment

13
00:00:38,709 --> 00:00:36,320

with different extraction techniques

14

00:00:41,830 --> 00:00:38,719

down here on earth before we actually do

15

00:00:43,670 --> 00:00:41,840

them for real up on mars our expectation

16

00:00:45,030 --> 00:00:43,680

is that it'll take some time to get

17

00:00:46,549 --> 00:00:45,040

spirit out

18

00:00:48,709 --> 00:00:46,559

and so we'll be able to get a better

19

00:00:50,310 --> 00:00:48,719

feel for that here with this facility as

20

00:00:52,950 --> 00:00:50,320

we explore these techniques and we see

21

00:00:54,869 --> 00:00:52,960

not only how well they work but how long

22

00:00:57,029 --> 00:00:54,879

it will take for them to work