



1
00:00:09,250 --> 00:00:07,880
I'm Ashley strip and I'm one of the

2
00:00:11,390 --> 00:00:09,260
rover drivers here at the Jet Propulsion

3
00:00:13,850 --> 00:00:11,400
Laboratory and I'm here with the latest

4
00:00:16,220 --> 00:00:13,860
free spirit update this week we're

5
00:00:17,630 --> 00:00:16,230
continuing crab driving testing that

6
00:00:19,580 --> 00:00:17,640
means we're steering the wheels to

7
00:00:21,740 --> 00:00:19,590
different angles and trying to get the

8
00:00:23,689 --> 00:00:21,750
rover to move sideways along the hill

9
00:00:25,279 --> 00:00:23,699
we've done some testing both with

10
00:00:27,380 --> 00:00:25,289
forward crabbing and now we're doing

11
00:00:28,700 --> 00:00:27,390
backward crabbing and we've now got the

12
00:00:30,500 --> 00:00:28,710
wheel steered to several different

13
00:00:32,870 --> 00:00:30,510

angles the test you can see behind me

14

00:00:34,069 --> 00:00:32,880

we've got the wheels all scared to 20

15

00:00:36,560 --> 00:00:34,079

degrees and they're all driving

16

00:00:38,930 --> 00:00:36,570

backwards to try to pull the rover

17

00:00:40,880 --> 00:00:38,940

backward and uphill away from these

18

00:00:43,190 --> 00:00:40,890

potential obstacles that we seem to have

19

00:00:46,069 --> 00:00:43,200

run into in our first attempt to get out

20

00:00:48,080 --> 00:00:46,079

of the sand trap we break each test into

21

00:00:49,880 --> 00:00:48,090

several smaller pieces so that we can

22

00:00:51,979 --> 00:00:49,890

measure the rover's progress along the

23

00:00:53,240 --> 00:00:51,989

way that way we can tell whether the

24

00:00:56,209 --> 00:00:53,250

rover is making steady progress

25

00:00:57,830 --> 00:00:56,219

throughout the test or whether it may

26

00:00:59,630 --> 00:00:57,840

come up against a wall and only make

27

00:01:01,430 --> 00:00:59,640

good progress at the beginning in which

28

00:01:02,569 --> 00:01:01,440

case then we know that extra wheel turns

29

00:01:04,130 --> 00:01:02,579

are not going to make much of a

30

00:01:05,840 --> 00:01:04,140

difference one of the great things

31

00:01:07,820 --> 00:01:05,850

that's happened along with spirit

32

00:01:09,679 --> 00:01:07,830

sitting still for so long is of course

33

00:01:11,719 --> 00:01:09,689

we've been parked in a really windy

34

00:01:13,429 --> 00:01:11,729

location and the winds have come along

35

00:01:15,830 --> 00:01:13,439

and cleaned off the solar panels

36

00:01:17,990 --> 00:01:15,840

tremendously so now we have lots of

37

00:01:19,370 --> 00:01:18,000

powers which not only gives us many

38

00:01:21,830 --> 00:01:19,380

hours a day where we can conduct

39

00:01:24,140 --> 00:01:21,840

scientific experiments and do our

40

00:01:26,990 --> 00:01:24,150

mobility tests on Mars to try to get the

41

00:01:28,999 --> 00:01:27,000

rover out but we've bought ourselves a

42

00:01:30,710 --> 00:01:29,009

lot more time before Spirit will even

43

00:01:33,289 --> 00:01:30,720

have to consider parking for the next