



MY MARTIAN MOMENT
A QUICK LOOK AT NASA'S NEXT GIANT LEAP

#JOURNEYTOMARS

1
00:00:00,000 --> 00:00:01,640
David Blake: My name is David Blake.

2
00:00:01,640 --> 00:00:03,270
I'm from Ames Research Center and

3
00:00:03,270 --> 00:00:05,250
I'm the Principal Investigator of the

4
00:00:05,250 --> 00:00:07,420
CheMin instrument on the Curiosity rover.

5
00:00:07,420 --> 00:00:09,100
And this is my Martian Moment!

6
00:00:09,100 --> 00:00:19,110
(Music)

7
00:00:19,110 --> 00:00:20,340
David Blake: When we landed on Mars, the very

8
00:00:20,340 --> 00:00:23,110
first observation that was made by CheMin,

9
00:00:23,110 --> 00:00:25,740
together with the SAM instrument, found two

10
00:00:25,740 --> 00:00:28,880
percent water contained in the Mars global soil.

11
00:00:28,880 --> 00:00:30,910
And this would be very useful for astronauts,

12
00:00:30,910 --> 00:00:32,710
once they arrive there.

13
00:00:32,710 --> 00:00:34,710

This is the very first time we've been able to do

14

00:00:34,710 --> 00:00:36,700

quantitative, real mineralogy

15

00:00:36,700 --> 00:00:38,450

on the surface of Mars.

16

00:00:38,450 --> 00:00:40,200

Every time we do analysis, we find

17

00:00:40,200 --> 00:00:42,220

something that we didn't know before.

18

00:00:42,220 --> 00:00:44,470

In my view, the most exciting technology on Mars

19

00:00:44,470 --> 00:00:47,330

is actually the Curiosity rover itself, which has

20

00:00:47,330 --> 00:00:50,400

11 instruments, which gather a whole suite of data

21

00:00:50,400 --> 00:00:52,820

that allow us to decide what's going on,

22

00:00:52,820 --> 00:00:54,500

on the surface.

23

00:00:54,500 --> 00:00:56,870

And if you want to follow along, you can just use

24

00:00:56,870 --> 00:00:58,440

your search engine and go to Mars Science

25

00:00:58,440 --> 00:01:00,640

Laboratory and see the latest images,

26

00:01:00,640 --> 00:01:02,130

which are just outstanding!

27

00:01:02,130 --> 00:01:05,590

(Music)