



1  
00:00:00,400 --> 00:00:02,702  
[ ■ ]

2  
00:00:02,735 --> 00:00:05,571  
The Mars Report  
Feb. 26, 2018

3  
00:00:05,604 --> 00:00:08,574  
Opportunity Rover

4  
00:00:10,543 --> 00:00:13,513  
Opportunity was built to last  
90 sols, or Martian days.

5  
00:00:15,514 --> 00:00:17,483  
Daybreak on sol 4999

6  
00:00:19,552 --> 00:00:22,522  
More than 5,000 sols later  
she's still making discoveries

7  
00:00:24,457 --> 00:00:26,426  
like these stone  
stripes on Mars,

8  
00:00:26,459 --> 00:00:29,362  
which resemble similar  
geology on Earth.

9  
00:00:30,663 --> 00:00:32,865  
She even took her first selfie  
using her microscopic imager.

10  
00:00:34,767 --> 00:00:37,737  
It was a little blurry-- her  
camera wasn't made for selfies!

11  
00:00:39,738 --> 00:00:42,708  
Curiosity Rover

12

00:00:43,943 --> 00:00:46,913

The Curiosity rover has spotted tiny crystals

13

00:00:46,946 --> 00:00:49,916

and stick-like figures on Mars.

14

00:00:51,584 --> 00:00:53,553

These tiny crystals may be

15

00:00:53,586 --> 00:00:56,155

what's left from an ancient lake

16

00:00:57,189 --> 00:00:59,525

or when past groundwater moved through sediment.

17

00:01:03,529 --> 00:01:06,499

Mars 2020

18

00:01:08,334 --> 00:01:11,304

A piece of Mars will be going home with NASA's 2020 mission.

19

00:01:14,607 --> 00:01:16,109

A Martian meteorite will be on the new rover

20

00:01:16,142 --> 00:01:17,610

to serve as a practice target

21

00:01:17,643 --> 00:01:19,545

for one of the rover's high precision lasers.

22

00:01:19,578 --> 00:01:22,548

Coming soon:

## Mars Cube One (MarCO)

23

00:01:24,450 --> 00:01:27,420

When NASA launches the Insight mission to Mars this spring

24

00:01:29,355 --> 00:01:32,325

the rocket will also carry a technology demonstration.

25

00:01:34,126 --> 00:01:37,096

Two smallsats, known as Mars Cube One (MarCO) will

26

00:01:37,129 --> 00:01:40,967

serve as a communications relay for InSight during landing.

27

00:01:42,235 --> 00:01:44,504

Engineers recently installed and tested MarCO's solar arrays.

28

00:01:46,539 --> 00:01:48,007

NASA Jet Propulsion Laboratory