



1  
00:00:00,000 --> 00:00:04,000  
(Music)

2  
00:00:04,000 --> 00:00:08,000  
Hi, I'm Colette Lohr, Tactical Uplink Lead for Curiosity's Mission Operations Team

3  
00:00:08,000 --> 00:00:11,000  
and this is your Curiosity rover report.

4  
00:00:11,000 --> 00:00:14,000  
Curiosity has continued trailblazing the road to Mount Sharp,

5  
00:00:14,000 --> 00:00:17,000  
racking up just over one and a quarter miles, or 2km on her odometer.

6  
00:00:17,000 --> 00:00:22,000  
She's been making steady progress since leaving the region known as Glenelg in July.

7  
00:00:22,000 --> 00:00:28,000  
We still have just under 5 miles, or 8 kilometers left to go before we reach Mount Sharp.

8  
00:00:28,000 --> 00:00:31,000  
Curiosity has continued to gather science data on her journey.

9  
00:00:31,000 --> 00:00:35,000  
She recently captured the two moons of Mars, Phobos and Deimos in occultation.

10  
00:00:35,000 --> 00:00:39,000  
This movie shows the larger moon Phobos passing in front of the smaller moon Deimos

11  
00:00:39,000 --> 00:00:43,000  
and was taken using the Mast Camera telephoto lens.

12  
00:00:43,000 --> 00:00:45,000  
While we have not traversed beyond Glenelg,

13  
00:00:45,000 --> 00:00:47,000

we haven't left this region completely behind.

14

00:00:47,000 --> 00:00:51,000

The rover is able to store soil samples in CHIMRA.

15

00:00:51,000 --> 00:00:54,000

CHIMRA is our tool for manipulating rock and soil samples,

16

00:00:54,000 --> 00:00:57,000

and delivering these samples to our instruments.

17

00:00:57,000 --> 00:01:01,000

Curiosity processed a rock powder sample that she had carried with her for 75 sols

18

00:01:01,000 --> 00:01:03,000

from our 2nd drill target.

19

00:01:03,000 --> 00:01:04,000

She delivered it to the SAM instrument,

20

00:01:04,000 --> 00:01:06,000

located in the belly of the rover.

21

00:01:06,000 --> 00:01:11,000

SAM, or Sample Analysis at Mars, is our onboard organic chemistry lab.