



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

2  
00:00:04,000 --> 00:00:08,000  
Hi, I am Justin Lin, Mobility Downlink for the Mars Science Laboratory Mission,

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

4  
00:00:11,000 --> 00:00:17,000  
Over the winter holidays, Curiosity was parked at a location dubbed 'Grandma's House' at Yellowknife Bay.

5  
00:00:17,000 --> 00:00:24,000  
At this location, Curiosity took a series of the images to create panoramas of the surrounding area.

6  
00:00:24,000 --> 00:00:27,000  
In addition, the team downloaded as much data as possible from Curiosity

7  
00:00:27,000 --> 00:00:32,000  
to free up the onboard data storage space to give her a fresh start to the New Year.

8  
00:00:32,000 --> 00:00:38,000  
Once the New Year approached, Curiosity was ready to spin her wheels and stretch her arm.

9  
00:00:38,000 --> 00:00:43,000  
She started off with a small 3-meter drive to an interesting feature called Snake River.

10  
00:00:43,000 --> 00:00:46,000  
Over time, dust accumulated on all the rocks and it hides features,

11  
00:00:46,000 --> 00:00:50,000  
such as fissures, inclusions or pits that are of interest.

12  
00:00:50,000 --> 00:00:56,000  
At this location, the team selected a rock for the first time use of the dust removal tool.

13  
00:00:56,000 --> 00:01:02,000

The tool has a set of spinning metallic brushes and this allows

14

00:01:02,000 --> 00:01:07,000

for the features to be exposed for unobstructed APXS or ChemCam observations.

15

00:01:07,000 --> 00:01:09,000

While these activities are taking place,

16

00:01:09,000 --> 00:01:14,000

the team is searching for a suitable rock to test out the rotary-percussive drill.

17

00:01:14,000 --> 00:01:20,000

This is a very exciting activity because it will be the first time that we will be drilling into a rock,

18

00:01:20,000 --> 00:01:22,000

acquire sample from deep within the rock,