1
00:00:05,130 --> 00:00:10,580
Hello, I'm Betina Pavri, payload downlink coordinator, and this is your Curiosity rover

2
00:00:10,580 --> 00:00:12,830
update.

3
00:00:12,830 --> 00:00:15,910
Curiosity continues scooping at Rocknest this week.

4
00:00:15,910 --> 00:00:21,700
The Mastcam and Navcam instruments provided images and video used to assess the success

5
00:00:21,700 --> 00:00:24,970
of the scooping and sample processing activities.

6
00:00:24,970 --> 00:00:31,820
These images also provided confirmation that the sampling system was successfully cleaned.

7
00:00:31,820 --> 00:00:37,820
Also this week, a soil sample was dropped off to the rovers observation tray for assessment

8
00:00:37,820 --> 00:00:39,710
by the science team.

9
00:00:39,710 --> 00:00:44,470
This sample was determined to be suitable for drop off to the CheMin instrument.

10
00:00:44,470 --> 00:00:50,170
The CheMin instrument uses X-rays in order to image the sample and determine what minerals

11
00:00:50,170 --> 00:00:51,170
make it up.

12
00:00:51,170 --> 00:00:55,570
This helps geologists understand how the rock
formed and how it’s related to other rocks

13
00:00:55,570 --> 00:00:58,350
we’ve studied so far on Mars.

14
00:00:58,350 --> 00:01:02,370
Scientists identified numerous bright grains
in the soil.

15
00:01:02,370 --> 00:01:06,509
Because of this small piece of plastic from
the landing event that had been found earlier

16
00:01:06,509 --> 00:01:11,560
in the week, the team proceeded cautiously,
dumping the second scoop collected and imaging

17
00:01:11,560 --> 00:01:13,030
the bright grains.

18
00:01:13,030 --> 00:01:17,689
These bright grains were later determined
to be components of the Martian soil, and

19
00:01:17,689 --> 00:01:21,990
therefore, the sample was deemed to be suitable
for delivery to the CheMin instrument for

20
00:01:21,990 --> 00:01:23,790
analysis.

21
00:01:23,790 --> 00:01:29,179
The science team requested Mastcam and Navcam
mosaics of outcrops in the direction of Glenelg,

22
00:01:29,179 --> 00:01:33,590

to plan Curiosity's journey to this next science destination.