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00:00:04,000 --> 00:00:17,000

Hi I'm Jessica Samuels, member of the engineering, operations team and this is your Curiosity rover report.

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00:00:17,000 --> 00:00:23,000

So since the nail-biting entry, descent and landing event, we're happy to report that Curiosity is healthy

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and clicking off all the activities that we asked her to perform for the first few days on the surface.

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We first deployed the high gain antenna

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00:00:32,000 --> 00:00:35,000

to facilitate communications back to Earth

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00:00:35,000 --> 00:00:37,000

so that we can communicate with Curiosity much more efficiently.

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00:00:37,000 --> 00:00:45,000

We've deployed the remote sensing mast so we can start acquiring our beautiful panoramic images and we've

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00:00:45,000 --> 00:00:51,000

also checked out what the state of the rover is by looking at ourselves in addition to the Martian landscape.

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We were happy to find that we weren't covered in a large amount of dust as some members of the team thought

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00:00:59,000 --> 00:01:05,000

might happen. In actuality, we just have some of these pebbles that have strewn the rover deck

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with just a fine, fine layer of dust, which is well within the operating limits of the rover.

0:01:11.0,0:01:15.0

So coming up, we're going to give the rover a brain transplant.

0:01:15.0,0:01:21.0

We're wiping away all of the cruise and entry, descent and landing software and making room for the software

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needed to perform the exciting portions of the surface mission ahead.

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We're giving the rover the capability to do the sampling portion of the mission

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as well as being able to drive more efficiently to different targets on the surface.

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While we're doing the software upgrade, we'll still be sending images from the entry, descent and landing

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00:01:41,000 --> 00:01:47,000

event, as well as different images from the panoramas that will give us a view