

COUNTDOWN TO MARS



DR. MACKENZIE DAY



1

00:00:12,410 --> 00:00:17,580

My research focuses on wind and how wind has changed the surface of Mars

2

00:00:17,580 --> 00:00:21,240

and one of the really exciting things about the landing area is that wind has altered

3

00:00:21,240 --> 00:00:26,310

and eroded the surface in Jezero crater for billions and millions of years so

4

00:00:26,310 --> 00:00:30,359

for my research I'm really excited to see what the rover finds and really

5

00:00:30,360 --> 00:00:36,040

study and look at how wind has changed the surface over really long timescales.

6

00:00:39,420 --> 00:00:43,980

For my research one of the things that makes Mars particularly special is that

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00:00:43,980 --> 00:00:48,870

wind is really dominating the surface of Mars and we have wind on earth but we

8

00:00:48,870 --> 00:00:53,190

also have glaciers and water and those things act much faster so it's really

9

00:00:53,190 --> 00:00:58,680

hard to tell exactly what wind is doing on earth because it gets overprinted and

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00:00:58,680 --> 00:01:02,160

kind of erased really quickly so the nice thing about Mars is we can use the

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00:01:02,160 --> 00:01:06,720

rover to study what happens when you
just kind of let wind go and let wind

12

00:01:06,720 --> 00:01:09,570

do its thing
for billions of billions of years so the

13

00:01:09,570 --> 00:01:14,010

rover is going to encounter all of these
things that have been carved by wind and