
MAVEN
Mars Atmosphere and Volatile Evolution Mission
CU/LASP • GSFC • UCB/SSL • LM • JPL

1
00:00:00,010 --> 00:00:09,380
[music]

2
00:00:09,400 --> 00:00:13,480
[bell rings, dramatic music]

3
00:00:19,900 --> 00:00:29,980
[clapping and cheering]

4
00:00:30,000 --> 00:00:33,230
[inspirational music]

5
00:00:33,250 --> 00:00:37,880
Jakosky: My name is Bruce Jakosky, I'm the Principal Investigator on the MAVEN mission,

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00:00:37,900 --> 00:00:44,430
which means that I'm responsible for the implementation of the entire mission and getting the science results o

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00:00:44,450 --> 00:00:48,780
MAVEN is the Mars Atmosphere and Volatile EvolutioN mission.

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00:00:48,800 --> 00:00:55,130
Our goal is to study the role that loss to space has played in the history of the atmosphere.

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00:00:55,150 --> 00:01:00,330
At its peak we've had about 500 or 600 people working on the project.

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00:01:00,350 --> 00:01:05,120
That's difficult in itself because the team is distributed around the country.

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00:01:05,140 --> 00:01:09,130
Mitchell: Well an important part of the MAVEN mission is getting all the teams working together.

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00:01:09,150 --> 00:01:16,280
We have partnerships spread across the country, starting with the University of Colorado LASP, with Lockheed

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00:01:16,300 --> 00:01:22,130

University of California at Berkeley, with the Jet Propulsion Lab in Pasadena, of course Goddard Space Flight

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00:01:22,150 --> 00:01:29,550
What excites me about MAVEN is just the collaboration, it's been a tremendous experience to be working for a

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00:01:44,710 --> 00:01:51,220
Sidney: MAVEN is very exciting to me, I've actually had the privilege of working on the last three Mars orbiters

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00:01:51,240 --> 00:01:54,480
Some of the aspects of how we're actually going to control the spacecraft are really

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00:01:54,500 --> 00:01:58,440
going to build off of the techniques that we've used on those past missions.

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00:01:58,460 --> 00:02:03,640
Habenicht: I think that exploration is just exciting. It is extremely cool that we're going to Mars.

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00:02:03,660 --> 00:02:09,220
MAVEN is going to be looking at the atmosphere to understand what's changed, and what is going to change,

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00:02:09,240 --> 00:02:16,380
and it has implications for our future travels to Mars, and it also has implications for us back on Earth.

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00:02:16,400 --> 00:02:21,790
Mitchell: Well MAVEN is a really exciting mission to me, I've been involved in Mars research now for fifteen yea

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00:02:21,810 --> 00:02:26,450
but I've never been involved in a mission like MAVEN that has the full suite of instruments.

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00:02:26,470 --> 00:02:29,830
It's a wonderful opportunity to really get at some of those questions that have been

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00:02:29,850 --> 00:02:34,230
in my mind now for years, and now we'll finally have the tools to answer them.

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00:02:34,250 --> 00:02:37,780
Beutelschies: A lot of us engineers, when we were kids that's what we dreamed about, right, going to other pla

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00:02:37,800 --> 00:02:41,000
so this really is kind of at the forefront of exploration.

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00:02:41,020 --> 00:02:44,590
One thing exciting about MAVEN is we've done a lot of missions staring at the surface,

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00:02:44,610 --> 00:02:49,880
but now we're going to look at the atmosphere of Mars, and every time we go to Mars we discover something r

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00:02:49,900 --> 00:02:54,730
Jakosky: MAVEN is the next logical step in the progression of understanding Mars.

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00:02:54,750 --> 00:03:01,330
It really addresses questions that are fundamental to Mars and to the ability of the planet to support life.