



## Atlas V Rocket Readied for Launch

1  
00:00:00,669 --> 00:00:01,669

Hey!

2  
00:00:01,669 --> 00:00:07,230

I'm NASA Kennedy's Jennifer Layton, taking you Inside KSC!

3  
00:00:07,230 --> 00:00:13,170

Engineers and technicians continue to prepare the OSIRIS-REx spacecraft in the Payload Hazardous

4  
00:00:13,170 --> 00:00:17,340

Processing Facility for its mission to nearby asteroid Bennu.

5  
00:00:17,340 --> 00:00:23,520

OSIRIS-REx is the first U.S. mission to travel to an asteroid, retrieve samples and return

6  
00:00:23,520 --> 00:00:25,000

them to Earth.

7  
00:00:25,000 --> 00:00:29,980

During its seven-year mission, the spacecraft will map the asteroid's surface using 3-D

8  
00:00:29,980 --> 00:00:35,389

laser imaging, touch down briefly to retrieve samples and return them to Earth.

9  
00:00:35,389 --> 00:00:40,190

Researchers hope the samples will contain organic molecules from the early solar system

10  
00:00:40,190 --> 00:00:44,030

that may provide information and clues to the origin of life.

11  
00:00:44,030 --> 00:00:50,690

The first stage booster of the United Launch Alliance Atlas V rocket that will launch OSIRIS-REx

12  
00:00:50,690 --> 00:00:56,489  
on its way to Bennu was transported to Space Launch Complex 41 at Cape Canaveral Air Force

13  
00:00:56,489 --> 00:00:57,909  
Station.

14  
00:00:57,909 --> 00:01:02,850  
The booster was lifted into position at the launch pad's vertical integration facility

15  
00:01:02,850 --> 00:01:05,660  
and the Centaur upper stage was added.

16  
00:01:05,660 --> 00:01:08,760  
A tanking test was completed this week.

17  
00:01:08,760 --> 00:01:13,600  
The OSIRIS-REx mission is targeted for liftoff on September 8.