



Orion Heat Shield Arrives for Exploration Mission 1

1

00:00:00,659 --> 00:00:05,290

Hi I'm NASA Kennedy's Stephanie Martin taking you Inside KSC.

2

00:00:05,290 --> 00:00:11,540

The OSIRIS-REx spacecraft was encapsulated in the payload fairing and transported to

3

00:00:11,540 --> 00:00:15,660

Space Launch Complex 41 at Cape Canaveral Air Force Station.

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00:00:15,660 --> 00:00:19,910

The payload fairing was lifted and mated to the Atlas V rocket in preparation for launch

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00:00:19,910 --> 00:00:20,910

on September 8.

6

00:00:20,910 --> 00:00:25,630

During its seven-year mission, OSIRIS-REx will travel to asteroid Bennu, map the asteroid's

7

00:00:25,630 --> 00:00:31,019

surface using 3-D laser imaging, touch down briefly to retrieve samples and return them

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00:00:31,019 --> 00:00:33,230

to Earth for analysis.

9

00:00:33,230 --> 00:00:37,329

The heat shield for Exploration Mission 1 arrived at Kennedy Space Center's Shuttle

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00:00:37,329 --> 00:00:41,370

Landing Facility aboard NASA's Super Guppy aircraft.

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00:00:41,370 --> 00:00:46,340

The Guppy was opened and the heat shield container was offloaded for transport to the Neil Armstrong

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00:00:46,340 --> 00:00:48,530

Operations and Checkout Building high bay.

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00:00:48,530 --> 00:00:53,620

Orion's heat shield will help it endure the approximately 5,000 degrees Fahrenheit

14

00:00:53,620 --> 00:00:55,850

it will experience during reentry.

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00:00:55,850 --> 00:01:02,250

Its first uncrewed flight atop NASA's Space Launch System rocket is scheduled for 2018.