



1
00:00:00,000 --> 00:00:06,006
>>ERIN: Can you see my smile?! I
feel like a little kid. I was

2
00:00:06,006 --> 00:00:09,676
just like grinning so wide I
thought my face would crack.

3
00:00:12,045 --> 00:00:14,047
[logo musical sting] >>KATRINA:
I'm Katrina Jackson from NASA's

4
00:00:14,047 --> 00:00:16,316
Goddard Space Flight Center, and
I'm here today at the Kennedy

5
00:00:16,316 --> 00:00:19,286
Space Center to watch the launch
of our newest planetary science

6
00:00:19,286 --> 00:00:22,356
mission, OSIRIS-REx, which will
study near-Earth asteroid Bennu

7
00:00:22,356 --> 00:00:25,592
and return a sample to Earth.
The spacecraft is launching

8
00:00:25,592 --> 00:00:29,329
onboard an Atlas V rocket, and I
know I'm excited to see my first

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00:00:29,329 --> 00:00:32,099
rocket launch, so I'm curious to
see how folks here are feeling

10
00:00:32,099 --> 00:00:36,370
about watching this new mission
get off the ground. [drums,

11
00:00:36,370 --> 00:00:42,409
music] >>KATRINA: Jerushah, is
this your first rocket launch?

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00:00:42,409 --> 00:00:45,712
>>JERUSAH: It is, and I'm very
excited about it. >>ASHLEY: This

13
00:00:45,712 --> 00:00:48,282
is my first time here and my
first launch. >>BRETT: It is my

14
00:00:48,282 --> 00:00:51,351
first time, launching a rocket.
Well I'm not launching it, but

15
00:00:51,351 --> 00:00:53,654
other people are, but I'm
watching it. >>ERIN: No, it's

16
00:00:53,654 --> 00:00:57,925
actually my second, my first one
was SpaceX CRS-7. >>JASON: No,

17
00:00:57,925 --> 00:01:01,428
this is actually the fourth
rocket launch I've seen here.

18
00:01:01,428 --> 00:01:03,463
>>DANIEL: Actually I've been to
several. I've been to probably

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00:01:03,463 --> 00:01:07,000
25 different rocket launches,
from Space Shuttle, to Deltas,

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00:01:07,000 --> 00:01:12,005
SpaceX missions, so this is
another one to add to the belt

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00:01:12,005 --> 00:01:15,976
for me. >>KATRINA: And what
makes you excited about watching

22
00:01:15,976 --> 00:01:17,978
a rocket launch? >>ASHLEY: What
doesn't make you excited about

23
00:01:17,978 --> 00:01:19,613
watching a rocket launch?! I
hear that you're going to feel

24
00:01:19,613 --> 00:01:22,316
the shockwaves and the
soundwaves. >>ERIN: It's just

25
00:01:22,316 --> 00:01:24,985
the feeling, right? Like seeing
it, alright, there's a small

26
00:01:24,985 --> 00:01:27,087
speck out there. And then being
able to witness it is a very

27
00:01:27,087 --> 00:01:30,757
visceral event where you feel
the ground shaking and you

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00:01:30,757 --> 00:01:33,360
almost can taste it. I don't
know, it's the most amazing

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00:01:33,360 --> 00:01:36,129
thing I've ever seen. >>JASON: I
love rockets. I love space

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00:01:36,129 --> 00:01:39,032
exploration, I love what NASA's
doing, and of course there's

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00:01:39,032 --> 00:01:43,103

nothing more amazing than
watching a rocket take off.

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00:01:43,103 --> 00:01:45,472

>>JERUSAH: I expect it to be a
very emotional experience. You

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00:01:45,472 --> 00:01:49,543

know to see a rocket actually go
up into space to go to an

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00:01:49,543 --> 00:01:52,846

asteroid, it's the first time
we've done this. So I expect it

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00:01:52,846 --> 00:01:55,482

to be emotional and just
awe-inspiring, you know as what

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00:01:55,482 --> 00:01:57,985

we can do as human beings when
we actually put our minds to it.

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00:01:57,985 --> 00:02:00,887

>>DANIEL: Once you see it, it
will live with you for the rest

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00:02:00,887 --> 00:02:03,190

of your life. There's no other
way to say it. From hearing the

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00:02:03,190 --> 00:02:06,727

sound, from feeling the power of
the rockets, and just overall

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00:02:06,727 --> 00:02:09,896

you really grasp what NASA is
doing. By sending a rocket into

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00:02:09,896 --> 00:02:12,165
space, I mean it literally is
rocket science, they're doing

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00:02:12,165 --> 00:02:14,568
phenomenal things. >>KATRINA:
Where did you get your suit

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00:02:14,568 --> 00:02:17,638
here? >>ASHLEY: I got this at
the Visitor Center gift shop.

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00:02:17,638 --> 00:02:19,906
It's awesome. >>KATRINA: Well I
think I should get myself one of

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00:02:19,906 --> 00:02:22,142
those, one of these days.
>>ASHLEY: They come in blue too,

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00:02:22,142 --> 00:02:24,444
but orange, gotta go with the
orange. >>KATRINA: Why do you

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00:02:24,444 --> 00:02:27,347
think this is so monumental for
space exploration? >>BRETT:

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00:02:27,347 --> 00:02:30,183
Well, there's going to be a lot
learned. I think when we can get

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00:02:30,183 --> 00:02:34,087
material from an asteroid back
on Earth and study it properly

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00:02:34,087 --> 00:02:37,557
here on Earth, that's going to
be much more effective than

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00:02:37,557 --> 00:02:39,960

sending a probe out there that has limited instruments and

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00:02:39,960 --> 00:02:42,295

trying to study it out there.

>>JERUSHAH: The fact that we are

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00:02:42,295 --> 00:02:44,431

going to an asteroid for the first time and actually taking a

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00:02:44,431 --> 00:02:47,668

sample and bringing it back home, you know, so that itself

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00:02:47,668 --> 00:02:50,637

is just amazingly exciting, it's what are we going to learn from

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00:02:50,637 --> 00:02:53,240

this sample? >>YINAN: Asteroid Bennu is a carbonaceous

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00:02:53,240 --> 00:02:56,943

asteroid, and so it could contain amino acids and organic

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00:02:56,943 --> 00:03:00,580

compounds that we haven't seen before based on other smaller

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00:03:00,580 --> 00:03:02,482

pieces of meteorites. >>DANIEL: I mean we're going to learn a

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00:03:02,482 --> 00:03:05,485

lot about asteroids, where they come from, who we are. There are

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00:03:05,485 --> 00:03:08,355

a lot of questions that are going to be answered, and I'm

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00:03:08,355 --> 00:03:11,458

sure there's going to be a lot of things that we're still going

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00:03:11,458 --> 00:03:13,360

to question after this.

>>KATRINA: How has your

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00:03:13,360 --> 00:03:15,495

experience at Kennedy been so far? >>YINAN: Fantastic. It's

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00:03:15,495 --> 00:03:18,899

like, NASA Social has given us such access to all the

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00:03:18,899 --> 00:03:21,802

scientists, and even the administrator of NASA Charlie

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00:03:21,802 --> 00:03:25,205

Bolden, so it's amazing.

>>DANIEL: It's a phenomenal

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00:03:25,205 --> 00:03:27,974

experience. I cannot say enough about NASA Social and what they

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00:03:27,974 --> 00:03:29,443

have given us

opportunities-wise. >>ASHLEY:

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00:03:29,443 --> 00:03:31,912

I've really had a great time at NASA over the past couple of

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00:03:31,912 --> 00:03:35,315

days. I'm an artist, so I'm definitely going to incorporate

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00:03:35,315 --> 00:03:37,684

my experience here in some future work. >>KATRINA: Good

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00:03:37,684 --> 00:03:42,622

luck with watching the launch, and maybe we'll check back with

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00:03:42,622 --> 00:03:46,226

you afterwards. >>LAUNCH COVERAGE VOICES: Status check.

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00:03:46,226 --> 00:03:50,964

Go Atlas. Go Centaur. Go OSIRIS-REx. Everyone is go.

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00:03:50,964 --> 00:03:56,136

Standing by for launch. Ten seconds. Nine. Eight. Seven.

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00:03:56,136 --> 00:04:01,074

Six. Five. Four. Three. Two. One. And liftoff of OSIRIS-REx.

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00:04:06,680 --> 00:04:08,682

Its seven year mission, to boldly go to the asteroid Bennu

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00:04:15,889 --> 00:04:18,925

and back. >>ASHLEY: The rocket just like, you could see it

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00:04:18,925 --> 00:04:21,061

lifting off and all the smoke, and then a couple seconds later

81
00:04:21,928 --> 00:04:23,930
you could hear the sound roll in
toward you and it got louder and

82
00:04:25,799 --> 00:04:28,902
louder, it was awesome. >>ERIN:
It's like so bright. The

83
00:04:34,941 --> 00:04:37,544
brightness just gets me. There's
just no other white light like

84
00:04:37,544 --> 00:04:41,181
that. And the, like when the
bass gets to you, when the sound

85
00:04:41,181 --> 00:04:46,353
rushes up, oh my god, I just
want to cry, it's just magical.

86
00:04:46,353 --> 00:04:49,055
I think everyone needs to see
that to put a lot of things in

87
00:04:49,055 --> 00:05:04,337
perspective. [rocket sounds]
>>LAUNCH VOICES: And the Atlas

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00:05:04,337 --> 00:05:08,875
rocket carrying OSIRIS-REx has
gone supersonic. Standing by to

89
00:05:08,875 --> 00:05:14,548
pass the max-Q [audience
cheering] >>ASHLEY: Um, I was

90
00:05:14,581 --> 00:05:18,084
like really sweaty, and excited,
and I'm not even on this

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00:05:18,084 --> 00:05:21,688

mission, but I'm just so
invested in it at this point. So

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00:05:21,688 --> 00:05:23,990

like watching it go up I was
just like "Ahh" and it makes you

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00:05:23,990 --> 00:05:30,931

feel so small. >>ERIN: I feel
like a little kid! I was just

94

00:05:30,931 --> 00:05:33,400

like grinning so wide I thought
my face would crack. It's

95

00:05:33,400 --> 00:05:52,052

amazing! I don't know what to
say! [audience cheering]

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00:05:52,052 --> 00:05:52,452

[background launch voices]
[drums, music] >>KATRINA: Now

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00:05:52,452 --> 00:05:55,689

that OSIRIS-REx has safely made
its way to space, I'm sure many

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00:05:55,689 --> 00:05:57,290

of the team members are going to
take a well-deserved rest

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00:05:57,290 --> 00:06:00,026

tonight and settle in for the
spacecraft's two-year cruise to

100

00:06:00,026 --> 00:06:03,196

asteroid Bennu. Meanwhile, you
can follow the mission's

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00:06:03,196 --> 00:06:07,634

online at nasa.gov/osiris-rex
and on Twitter @OSIRISREx and

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00:06:07,634 --> 00:06:12,405

with the hashtag
#ToBennuAndBack. OSIRIS-REx will

103

00:06:12,405 --> 00:06:15,008

swing by Earth for a gravity
assist next September, will

104

00:06:15,008 --> 00:06:19,145

reach Bennu in August 2018, will
collect a sample in July of

105

00:06:19,145 --> 00:06:21,681

2020, and will return to Earth
in September of 2023, so it's

106

00:06:21,681 --> 00:06:23,583

going to be a long and exciting
ride, and we are excited to have