



**Space**to**Ground**

1

00:00:03,320 --> 00:00:06,370

WELCOME TO SPACE TO GROUND, I AM KAYLA LAFRANCE.

2

00:00:06,370 --> 00:00:09,110

THIS WEEK MARKED THE BEGINNING OF THE END

3

00:00:09,110 --> 00:00:13,180

FOR THE ONGOING POWER UPGRADES FOR THE ORBITING LABORATORY.

4

00:00:14,180 --> 00:00:18,600

ON FRIDAY, NASA ASTRONAUTS CHRIS CASSIDY AND  
BOB BEHNKEN TEAMED UP

5

00:00:18,600 --> 00:00:23,500

AND VENTURED OUT OF THE QUEST AIRLOCK TO KICK  
OFF THE LAST ROUND OF POWER UPGRADES,

6

00:00:23,500 --> 00:00:28,859

REPLACING OLD NICKEL-HYDROGEN BATTERIES WITH  
NEW LITHIUM-ION BATTERIES.

7

00:00:28,859 --> 00:00:32,020

THE SPACEWALKING DUO WORKED AT THE S-6 TRUSS

8

00:00:32,020 --> 00:00:34,300

ON THE OUTER REACHES OF THE STATION,

9

00:00:34,300 --> 00:00:37,520

BEYOND THE RANGE OF THE STATION'S CANADARM2,

10

00:00:37,520 --> 00:00:40,300

WHICH MEANT THAT THE ASTRONAUTS HAD TO CARRY

11

00:00:40,300 --> 00:00:45,000

THE 400 PLUS POUND BATTERIES PART OF THE WAY  
BY HAND.

12

00:00:45,000 --> 00:00:47,430

CASSIDY AND BEHNKEN WILL VENTURE OUTSIDE AGAIN

13  
00:00:47,430 --> 00:00:49,690  
ON WEDNESDAY, JULY 1ST TO CONTINUE

14  
00:00:49,690 --> 00:00:53,469  
THEIR BATTERY REPLACEMENT WORK AT THE S-6  
TRUSS SITE.

15  
00:00:53,469 --> 00:00:56,120  
LIVE COVERAGE STARTS AT 6 AM EASTERN,

16  
00:00:56,120 --> 00:00:59,020  
AND STAY TUNED AFTER THE SPACEWALK TO WATCH

17  
00:00:59,020 --> 00:01:03,920  
THE EXPEDITION 63/64 CREW NEWS CONFERENCE  
FROM HOUSTON.

18  
00:01:03,920 --> 00:01:07,020  
NASA ASTRONAUT KATE RUBINS AND HER RUSSIAN  
CREWMATES

19  
00:01:07,020 --> 00:01:13,180  
WILL ANSWER QUESTIONS ABOUT THEIR UPCOMING  
MISSION TO THE ISS IN OCTOBER.

20  
00:01:13,180 --> 00:01:16,860  
ON JUNE 21ST, STARGAZERS IN THE EASTERN HEMISPHERE

21  
00:01:16,860 --> 00:01:20,960  
WERE ABLE TO LOOK UP AND SEE AN ANNULAR SOLAR  
ECLIPSE

22  
00:01:20,960 --> 00:01:24,960  
CAUSED BY THE MOON PASSING BETWEEN THE SUN  
AND THE EARTH.

23  
00:01:24,960 --> 00:01:26,680

FOR THE CREW ON THE STATION,

24

00:01:26,680 --> 00:01:31,040

THEY WERE ABLE TO LOOK DOWN FOR A UNIQUE VIEW.

25

00:01:31,040 --> 00:01:34,020

NASA ASTRONAUT CHRIS CASSIDY SENT DOWN IMAGES

26

00:01:34,030 --> 00:01:36,700

OF THEIR SPECTACULAR VIEW FROM THE ISS,

27

00:01:36,700 --> 00:01:39,020

AS THEY WATCHED THE PHENOMENON BY LOOKING

28

00:01:39,020 --> 00:01:43,630

AT THE ROUND SHADOW OF THE MOON DANCING ACROSS EARTH'S SURFACE.

29

00:01:43,630 --> 00:01:47,380

WANT TO SEE MORE INCREDIBLE IMAGES OF EARTH  
FROM SPACE?

30

00:01:47,380 --> 00:01:50,299

GO TO THE GATEWAY TO ASTRONAUT PHOTOGRAPHY  
OF EARTH

31

00:01:50,300 --> 00:01:55,580

AT EOL.JSC.NASA.GOV.

32

00:01:56,620 --> 00:02:00,060

KEEP SENDING YOUR QUESTIONS USING THE HASHTAG #ASKNASA,

33

00:02:00,060 --> 00:02:03,080

WE WILL SEE YOU NEXT WEEK.

34

00:02:03,080 --> 00:02:06,289

"WE'RE COUNTING DOWN TO 20 CONTINUOUS  
YEARS