



Spaceto**Ground**

1
00:00:03,379 --> 00:00:05,910
WELCOME TO SPACE TO GROUND, I'M LEAH CHESHIER.

2
00:00:05,910 --> 00:00:07,930
THIS WEEK, TWO ASTRONAUTS KICKED OFF

3
00:00:07,930 --> 00:00:11,830
THE SECOND HALF OF THE YEAR WITH A SPACEWALK.

4
00:00:11,830 --> 00:00:15,190
ON JULY 1, NASA ASTRONAUTS CHRIS CASSIDY AND
BOB BEHNKEN

5
00:00:15,190 --> 00:00:17,609
FLOATED OUTSIDE THE ORBITING LABORATORY

6
00:00:17,609 --> 00:00:19,369
TO COMPLETE BATTERY UPGRADES ON

7
00:00:19,369 --> 00:00:21,769
THE STATION'S 1B POWER CHANNEL.

8
00:00:21,769 --> 00:00:23,480
THE ASTRONAUTS REMOVED THE FINAL

9
00:00:23,480 --> 00:00:25,409
NICKEL HYDROGEN BATTERY ON THE CHANNEL

10
00:00:25,409 --> 00:00:28,130
AND REPLACED IT WITH A LITHIUM ION BATTERY

11
00:00:28,130 --> 00:00:29,949
PRIOR TO PREPARING FOR ADDITIONAL

12
00:00:29,949 --> 00:00:32,579
UPCOMING SPACEWALKS TO PERFORM THE SAME WORK

13

00:00:32,579 --> 00:00:34,970
ON THE STATION'S 3B POWER CHANNEL.

14
00:00:34,970 --> 00:00:37,820
THIS WAS THE 8TH SPACEWALK FOR EACH ASTRONAUT,

15
00:00:37,820 --> 00:00:41,930
WITH TWO MORE PLANNED FOR LATER IN JULY.

16
00:00:41,930 --> 00:00:44,590
THE THREE AMERICANS ABOARD THE INTERNATIONAL SPACE STATION

17
00:00:44,590 --> 00:00:47,290
WILL OBSERVE INDEPENDENCE DAY ON JULY 4,

18
00:00:47,290 --> 00:00:49,450
ALONG WITH THOSE OF US ON THE GROUND.

19
00:00:49,450 --> 00:00:51,430
THEY SHARED A MESSAGE TO THE UNITED STATES

20
00:00:51,430 --> 00:00:53,900
IN HONOR OF THE NATION'S BIRTHDAY.

21
00:00:53,900 --> 00:00:55,290
"EVEN THOUGH WE ARE LIVING

22
00:00:55,290 --> 00:00:57,960
DURING UNPRECEDENTED, CHALLENGING TIMES,

23
00:00:57,960 --> 00:01:00,590
THE SPIRIT AND RESOLUTE WILL OF OUR COUNTRY

24
00:01:00,590 --> 00:01:02,700
AND ALL AMERICANS HAS NEVER BEEN STRONGER."

25
00:01:02,700 --> 00:01:05,259
"THIS AMERICAN FLAG WAS LAUNCHED

26

00:01:05,259 --> 00:01:09,090

ON THE VERY FIRST SPACE SHUTTLE MISSION IN
1981,

27

00:01:09,090 --> 00:01:13,710

AND REFLOWN ON THE FINAL SPACE SHUTTLE MISSION 9 YEARS AGO,

28

00:01:13,710 --> 00:01:15,749

DOUG AND I WILL BRING OLD GLORY HOME WITH
US

29

00:01:15,749 --> 00:01:18,520

ON OUR ENDEAVOUR CREW DRAGON SPACECRAFT

30

00:01:18,520 --> 00:01:20,999

SO IT CAN BE FLOWN YET AGAIN WHEN AMERICANS

31

00:01:21,000 --> 00:01:25,080

LAUNCH ON ORION TO PLACE AMERICAN BOOTS ON
THE MOON."

32

00:01:25,080 --> 00:01:26,700

"SO TAKE A MOMENT AS WE ARE,

33

00:01:26,710 --> 00:01:28,560

TO REFLECT ON OUR HISTORY,

34

00:01:28,560 --> 00:01:29,819

AMERICA'S PLACE IN THE WORLD

35

00:01:29,819 --> 00:01:32,649

AND ALL THAT FREEDOM HAS TO OFFER."

36

00:01:32,649 --> 00:01:35,060

CHRIS CASSIDY, COMMANDER OF THE SPACE STATION,

37

00:01:35,060 --> 00:01:38,069

SPENT TIME OUTSIDE THIS WEEK DURING A SPACEWALK.

38

00:01:38,069 --> 00:01:40,189

JACOB WANTS TO KNOW WHO FILLS THE ROLE OF

39

00:01:40,189 --> 00:01:42,440

STATION COMMANDER DURING THAT TIME.

40

00:01:42,440 --> 00:01:45,409

EVEN IF A COMMANDER IS ON A SPACEWALK,

41

00:01:45,409 --> 00:01:48,079

STATION AUTHORITY REMAINS UNDER HIS OR HER
LEAD

42

00:01:48,079 --> 00:01:50,490

DURING THE TIME THEY ARE OUTSIDE THE HATCH.

43

00:01:50,490 --> 00:01:52,520

THIS WILL OCCUR TWO MORE TIMES IN JULY

44

00:01:52,520 --> 00:01:56,030

AS COMMANDER CHRIS CASSIDY AND ASTRONAUT BOB BEHNKEN CONTINUE

45

00:01:56,030 --> 00:02:01,159

BATTERY UPGRADES ON THE STATION'S 3B POWER
CHANNEL.