



Spaceto**Ground**

1
00:00:02,696 --> 00:00:04,656
"HOUSTON, STATION
ON SPACE TO GROUND."

2
00:00:05,296 --> 00:00:07,456
WELCOME TO SPACE TO
GROUND, I'M KAYLA LAFRANCE.

3
00:00:07,856 --> 00:00:10,726
THIS WEEK, THE CREW
ONBOARD THE ISS IS PREPARING

4
00:00:10,726 --> 00:00:13,016
TO STEP OUTSIDE THE
ORBITING LABORATORY.

5
00:00:13,716 --> 00:00:16,106
THEY'VE BEEN HARD AT WORK
PREPARING THEIR EXTRA VEHICULAR

6
00:00:16,106 --> 00:00:18,896
ACTIVITY, OR EVA
SUITS, AND OTHER EQUIPMENT

7
00:00:19,106 --> 00:00:20,846
FOR TWO UPCOMING SPACEWALKS.

8
00:00:21,106 --> 00:00:24,326
CURRENTLY SCHEDULED FOR
SEPTEMBER 20TH AND 26TH,

9
00:00:24,946 --> 00:00:27,766
THE ASTRONAUTS WILL BE
INSTALLING NEW LITHIUM-ION

10
00:00:27,766 --> 00:00:31,066
BATTERIES TO THE OUTSIDE
OF STATION, REPLACING SOME

11

00:00:31,066 --> 00:00:33,816
OF THE STATION'S EXISTING
NICKEL-HYDROGEN BATTERIES.

12
00:00:33,816 --> 00:00:36,536
THESE NEW BATTERIES
ARE SCHEDULED TO ARRIVE

13
00:00:36,536 --> 00:00:39,746
AT THE STATION NEXT WEEK
ALONG WITH TONS OF CARGO

14
00:00:39,966 --> 00:00:42,756
IN THE JAPANESE HTV-7
SPACECRAFT.

15
00:00:43,526 --> 00:00:47,256
DEVELOPED AND BUILT IN JAPAN,
THE H-II TRANSFER VEHICLE,

16
00:00:47,456 --> 00:00:50,146
HTV, IS KNOWN AS "KOUNOTORI"

17
00:00:50,536 --> 00:00:52,796
WHICH MEANS 'WHITE
STORK' IN JAPANESE.

18
00:00:53,536 --> 00:00:55,616
IT IS AN UNCREWED
CARGO SPACECRAFT

19
00:00:55,746 --> 00:00:59,706
THAT DELIVERS SCIENCE, SUPPLIES
AND LARGE EXTERNAL PAYLOADS

20
00:00:59,886 --> 00:01:01,436
LIKE BATTERIES TO THE STATION.

21
00:01:02,086 --> 00:01:05,526
BE SURE TO TUNE INTO NASA

TV ON MONDAY, SEPTEMBER 10TH

- 22
00:01:05,946 --> 00:01:08,966
AND FOLLOW ALONG WITH THE
LIVE BROADCAST OF THE LAUNCH
- 23
00:01:09,056 --> 00:01:11,376
AT 6:32 PM EASTERN TIME.
- 24
00:01:12,836 --> 00:01:15,876
THIS WEEK'S QUESTION COMES
FROM VINCENT, WHO WANTED TO KNOW
- 25
00:01:15,916 --> 00:01:18,146
IF ASTRONAUTS PLAY
SPORTS WHILE IN SPACE.
- 26
00:01:19,016 --> 00:01:22,476
LIKE MANY OF US, ASTRONAUTS
ARE ALSO FANS OF A WIDE VARIETY
- 27
00:01:22,476 --> 00:01:26,136
OF SPORTS, FROM AUTO RACING TO
SOCCER, AND HOCKEY TO TENNIS.
- 28
00:01:26,866 --> 00:01:30,796
"THE CHALLENGE IS AT ANY TIME
THAT WE MOVE QUICKLY OR HAVE
- 29
00:01:30,796 --> 00:01:33,236
TO PLANT THEIR FEET OR
DO SOMETHING FORCEFUL
- 30
00:01:33,316 --> 00:01:36,276
WITH THEIR BODIES, IT'S REALLY
TOUGH BECAUSE, WELL YOU CAN SEE
- 31
00:01:36,276 --> 00:01:38,456
IF I LET GO WITH MY FEET
I JUST START FLOATING,

32

00:01:38,736 --> 00:01:41,486

AND SO IF I'M JUST IN THE MIDDLE
OF THIS MODULE HERE AND I TRY

33

00:01:41,486 --> 00:01:43,876

TO SWING A RACKET OR HIT
A BALL OR DO SOMETHING,

34

00:01:43,876 --> 00:01:46,526

KICK A SOCCER BALL, I'VE
GOT NOTHING TO PLANT MY FEET

35

00:01:46,526 --> 00:01:50,196

ON SO I JUST START FLOATING
RANDOM AND THEN IT'S DIFFICULT

36

00:01:50,196 --> 00:01:51,506

TO PUT FORCE INTO ANYTHING."