



# SPACE TO GROUND

1  
00:00:00,606 --> 00:00:02,876  
"HOUSTON, STATION  
ON SPACE TO GROUND."

2  
00:00:03,116 --> 00:00:05,416  
WELCOME TO SPACE TO  
GROUND, I'M HAYLEY FICK.

3  
00:00:05,506 --> 00:00:09,956  
THE SPACEX DRAGON CARGO VEHICLE  
RETURNED MORE THAN 3,800 POUNDS

4  
00:00:09,956 --> 00:00:12,876  
OF CARGO FROM THE INTERNATIONAL  
SPACE STATION THIS WEEK.

5  
00:00:13,836 --> 00:00:17,316  
AFTER BRINGING MORE THAN  
6,400 POUNDS OF SUPPLIES

6  
00:00:17,316 --> 00:00:19,986  
AND EXPERIMENTS TO THE  
SPACE STATION ON AUGUST 16,

7  
00:00:20,376 --> 00:00:22,496  
DRAGON SPLASHED DOWN  
IN THE PACIFIC OCEAN

8  
00:00:22,616 --> 00:00:25,806  
AT 10:14 A.M. EASTER  
TIME ON SEPTEMBER 17.

9  
00:00:26,406 --> 00:00:29,136  
EVEN THOUGH THE DRAGON WAS  
SENT HOME, THERE'S STILL PLENTY

10  
00:00:29,136 --> 00:00:31,116  
OF WORK AND SCIENCE  
TO KEEP THE CREW BUSY.

11  
00:00:31,636 --> 00:00:34,926  
THE CREW IS PREPARING FOR THREE  
UPCOMING SPACEWALKS IN OCTOBER

12  
00:00:35,156 --> 00:00:36,526  
BY RESIZING THE SPACESUITS

13  
00:00:36,606 --> 00:00:39,056  
TO FIT THE SPECIFIC CREWMEMBERS  
THAT WILL GO OUTSIDE.

14  
00:00:39,696 --> 00:00:41,876  
THEY ARE ALSO CONTINUING  
TO STUDY THE EFFECTS

15  
00:00:41,876 --> 00:00:43,346  
OF SPACE ON THE HUMAN BODY.

16  
00:00:43,756 --> 00:00:45,846  
CREWMEMBERS ASSISTED  
WITH OR GOT STRAPPED

17  
00:00:45,846 --> 00:00:49,980  
INTO A MUSCLE ATROPHY RESEARCH  
AND EXERCISE SYSTEM, OR MARES,

18  
00:00:49,980 --> 00:00:52,960  
CHAIR AND COLLECTED  
ULTRASOUND IMAGERY OF THEIR LEGS

19  
00:00:52,960 --> 00:00:56,166  
FOR THE SARCOLAB-3 EXPERIMENT  
THAT STUDIES CHEMICAL

20  
00:00:56,166 --> 00:00:58,126  
AND STRUCTURAL CHANGES  
IN MUSCLE FIBERS.

21  
00:00:58,680 --> 00:01:01,180

EVEN WHEN THEY ARE SLEEPING,  
THEY'RE DOING SCIENCE THANKS

22

00:01:01,180 --> 00:01:03,520

TO A NEW LED LIGHTS  
INVESTIGATION

23

00:01:03,526 --> 00:01:05,336

THAT IS STUDYING  
CIRCADIAN RHYTHMS

24

00:01:05,336 --> 00:01:07,236

AND COGNITIVE PERFORMANCE.

25

00:01:07,536 --> 00:01:10,596

MARK VANDE HEI GOT TO TAKE SOME  
TIME OUT OF HIS BUSY SCHEDULE

26

00:01:10,596 --> 00:01:12,846

TO TALK TO KINDERGARTEN  
THROUGH TWELFTH GRADE STUDENTS

27

00:01:12,846 --> 00:01:14,726

FROM PINE RIVER,  
MINNESOTA THIS WEEK.

28

00:01:15,256 --> 00:01:16,626

THE QUESTION OF THE WEEK CAME

29

00:01:16,626 --> 00:01:18,760

FROM FOURTH GRADER  
KYLA WATTENHOFER

30

00:01:18,760 --> 00:01:20,576

WHEN SHE ASKED WHAT'S  
ON ALL OF OUR MINDS.

31

00:01:21,320 --> 00:01:22,680

"HI, MY NAME IS KYLA.

32  
00:01:22,760 --> 00:01:26,420  
DO YOU GET SCARED AND SOMETIMES  
THINK, "OMG" I'M IN SPACE!"

33  
00:01:29,140 --> 00:01:31,520  
"YES. I DEFINITELY HAVE  
A LOT OF WOW MOMENTS.

34  
00:01:31,786 --> 00:01:34,346  
HONESTLY, I'M REALIZING  
OUR ABILITY

35  
00:01:34,360 --> 00:01:37,660  
TO WALK IS HUGELY  
DEPENDANT ON GRAVITY.

36  
00:01:38,200 --> 00:01:41,580  
AND THE FIRST TWO TO THREE  
DAYS, ACTUALLY EVEN NOW,

37  
00:01:41,580 --> 00:01:43,576  
LEARNING ABOUT HOW  
TO MOVE AROUND IS

38  
00:01:43,576 --> 00:01:44,666  
LIKE LEARNING HOW  
TO WALK AGAIN."

39  
00:01:45,260 --> 00:01:47,920  
KEEP SENDING US YOUR  
QUESTIONS USING THE HASHTAG