



SPACE TO GROUND

1
00:00:00,680 --> 00:00:02,880
"HOUSTON, STATION
ON SPACE TO GROUND."

2
00:00:03,176 --> 00:00:05,086
WELCOME TO SPACE TO
GROUND, I'M GARY JORDAN.

3
00:00:05,466 --> 00:00:07,216
WITH THE ADDITION OF
3 MORE CREWMEMBERS

4
00:00:07,216 --> 00:00:10,106
ON BOARD THE INTERNATIONAL SPACE
STATION, THERE ARE MORE HANDS,

5
00:00:10,106 --> 00:00:12,916
OR MORE APPROPRIATELY,
MORE EYES ON SCIENCE.

6
00:00:13,986 --> 00:00:17,146
ASTRONAUTS AND COSMONAUTS TOOK
TURNS STUDYING THEIR EYES THIS

7
00:00:17,146 --> 00:00:18,766
WEEK WITH QUITE A FEW EXAMS.

8
00:00:19,276 --> 00:00:23,316
THEY USED ULTRASOUNDS TO LOOK AT
GLOBE MORPHOLOGY, A FUNDOSCOPE

9
00:00:23,320 --> 00:00:25,300
TO IMAGE THE SURFACE
OF THE RETINA,

10
00:00:25,300 --> 00:00:27,420
AND OPTICAL COHERENCE TOMOGRAPHY

11
00:00:27,420 --> 00:00:28,780

TO MEASURE FEATURES
OF THE RETINA.

12

00:00:29,306 --> 00:00:31,386

WHY SO MANY TESTS ON
THE CREWMEMBERS EYES?

13

00:00:31,866 --> 00:00:34,806

WELL, ASTRONAUTS SOMETIMES
EXPERIENCE VISION PROBLEMS

14

00:00:34,806 --> 00:00:36,256

AFTER LONG-DURATION
SPACEFLIGHTS.

15

00:00:36,766 --> 00:00:39,656

MANY TESTS WITH MANY
SUBJECTS ALLOWS RESEARCHERS

16

00:00:39,656 --> 00:00:41,706

TO UNDERSTAND THESE
CHANGES AND PREPARE

17

00:00:41,706 --> 00:00:43,456

FOR HUMAN MISSIONS
INTO DEEP SPACE.

18

00:00:44,520 --> 00:00:47,060

MORE CREWMEMBERS ALSO
MEANS MORE SUPPLIES NEEDED,

19

00:00:47,060 --> 00:00:48,760

SO STATION ASTRONAUTS
ARE GETTING READY

20

00:00:48,760 --> 00:00:50,260

TO GRAB THEIR SUPPLIES.

21

00:00:51,120 --> 00:00:52,840

JACK FISCHER AND PAOLO NESPOLI WENT

22

00:00:52,840 --> 00:00:56,000

OVER PROCEDURES FOR USING
THE STATIONS ROBOTIC ARM

23

00:00:56,000 --> 00:00:57,480

TO CAPTURE THE SPACEX DRAGON.

24

00:00:57,966 --> 00:01:00,756

THE CARGO VEHICLE IS CURRENTLY
SCHEDULED TO LAUNCH ON MONDAY,

25

00:01:00,756 --> 00:01:03,736

AUGUST 14TH TO DELIVER
SUPPLIES AND EXPERIMENTS

26

00:01:03,736 --> 00:01:05,436

TO THE STATION FOR AUGUST 16TH.

27

00:01:06,026 --> 00:01:08,396

NASA TV WILL PROVIDE
COVERAGE OF BOTH EVENTS.

28

00:01:08,780 --> 00:01:10,940

VISIT NASA.GOV TO SEE
THE LATEST SCHEDULE.

29

00:01:11,900 --> 00:01:14,420

EVEN WITH HIS DAYS FULL OF
SCIENCE AND MAINTENANCE,

30

00:01:14,420 --> 00:01:16,326

STATION CREWMEMBER JACK
FISCHER TOOK SOME TIME

31

00:01:16,326 --> 00:01:18,376

TO DISCUSS HIS EXPERIENCES
IN SPACE.

32

00:01:19,296 --> 00:01:22,146
FISCHER WAS FEATURED AS A GUEST
FOR THE FIRST LIVE RECORDING

33
00:01:22,146 --> 00:01:25,636
OF "HOUSTON, WE HAVE A PODCAST,"
A NEW AUDIO PODCAST FROM HERE

34
00:01:25,636 --> 00:01:26,776
AT THE JOHNSON SPACE CENTER.

35
00:01:27,306 --> 00:01:30,146
PUBLIC AFFAIRS OFFICER DAN
HUOT AND I CHATTED WITH FISCHER

36
00:01:30,146 --> 00:01:31,840
ABOUT HIS EXPERIENCES ABOARD

37
00:01:31,840 --> 00:01:33,880
AND ANSWERED QUESTIONS
FROM SOCIAL MEDIA.

38
00:01:34,286 --> 00:01:38,436
"THE OTHER DAY I WAS DOING
A TASK, AND MY WRENCH,

39
00:01:38,656 --> 00:01:43,356
LIKES POPS OFF THE BOLT, AND IT
GOES FLYING OFF AND I'M LIKE,

40
00:01:43,356 --> 00:01:45,386
AWW NO BIG DEAL, IT'LL HIT
THE WALL AND COME BACK TO ME.

41
00:01:45,676 --> 00:01:49,206
AND I LOOK OVER AND THERE'S
THIS GAP ABOVE THE RACK,

42
00:01:49,206 --> 00:01:51,286
AND IT'S LIKE, IT'S

LIKE AN INCH.

43

00:01:51,706 --> 00:01:55,456
AND THAT WRENCH DECIDES, OH I'M
GOING TO TURN SO I'M PERFECTLY

44

00:01:55,456 --> 00:01:58,496
IN LINE WITH THAT GAP, AND
IT WENT FLOATING INSIDE,

45

00:01:58,496 --> 00:02:00,946
AND IT WAS BEHIND THE
RACK, AND LOST FOREVER."

46

00:02:01,876 --> 00:02:04,486
YOU CAN FIND THE LATEST EPISODES
OF "HOUSTON WE HAVE A PODCAST"

47

00:02:04,486 --> 00:02:07,226
ON ITUNES, SOUNDCLOUD
AND NASA.GOV.

48

00:02:07,936 --> 00:02:09,906
KEEP SENDING YOUR
QUESTIONS USING THE HASHTAG