



Space to Ground

1

00:00:03,110 --> 00:00:05,269

"HOUSTON, STATION ON SPACE TO GROUND."

2

00:00:05,269 --> 00:00:07,580

WELCOME TO SPACE TO GROUND, I AM GARY JORDAN.

3

00:00:07,580 --> 00:00:10,960

MORE CARGO MADE ITS WAY IN THE FAST LANE TO THE INTERNATIONAL SPACE STATION.

4

00:00:14,140 --> 00:00:18,000

THE RUSSIAN PROGRESS VEHICLE LAUNCHED FROM THE BAIKONUR COSMODROME ON WEDNESDAY.

5

00:00:18,000 --> 00:00:21,900

IT ONLY TOOK TWO ORBITS AROUND THE EARTH TO MEET UP WITH THE ORBITING LABORATORY.

6

00:00:21,900 --> 00:00:25,840

FOR AN AUTOMATED RENDEZVOUS A LITTLE MORE THAN THREE HOURS AFTER LIFTOFF.

7

00:00:25,840 --> 00:00:31,820

ON BOARD, NEARLY 3 TONS OF CARGO INCLUDING FUEL, WATER AND SPARE PARTS.

8

00:00:31,820 --> 00:00:36,070

WITH A SUCCESSFUL CAPTURE AND BERTHING OF THE SPACEX DRAGON LAST WEEKEND, THE CREW.

9

00:00:36,070 --> 00:00:38,640

NO TIME GETTING RIGHT TO SCIENCE ON BOARD.

10

00:00:39,720 --> 00:00:44,740

SPACE STATION RESIDENTS CONFIGURED THE BIOFABRICATION FACILITY FOR A TEST THIS WEEK.

11

00:00:44,740 --> 00:00:49,390

THIS FACILITY WILL TEST TECHNIQUES FOR PRINTING 3D BIOLOGICAL STRUCTURES THAT COULD BE USED FOR

12

00:00:49,390 --> 00:00:53,160

EVENTUALLY MANUFACTURING USABLE HUMAN ORGANS IN SPACE.

13

00:00:53,160 --> 00:00:57,970

SMALL, COMPLEX PARTS OF HUMAN ORGANS, LIKE CAPILLARY STRUCTURES, MAY BE MORE SUCC

14

00:00:57,970 --> 00:01:00,660

TO MANUFACTURE IN MICROGRAVITY.

15

00:01:00,660 --> 00:01:05,140

EVEN WITH A BUSY WEEK OF CARGO AND SCIENCE, THE STATION CREW TOOK SOME TIME TO SHA

16

00:01:05,140 --> 00:01:08,760

PERSPECTIVE FROM 250 MILES ABOVE THE EARTH.

17

00:01:08,760 --> 00:01:12,770

NICK HAGUE AND LUCA PARMITANO SPOKE WITH THE WEATHER CHANNEL THIS WEEK AND SHARE

18

00:01:12,770 --> 00:01:14,420

THOUGHTS FROM THE ORBITING LABORATORY.

19

00:01:14,420 --> 00:01:21,350

"WE ARE INVOLVED IN ALL KINDS OF EVENTS WHERE WE CAN TRY TO HELP WITH OUR POSITIONIN

20

00:01:21,350 --> 00:01:23,450

OUR QUICK DOWNLOADING OF THE PICTURES.

21

00:01:23,450 --> 00:01:28,840

A COUPLE OF YEARS AGO WHEN THERE WAS A TERRIBLE FIRE IN CALIFORNIA, WE WERE ACTUALL

22

00:01:28,840 --> 00:01:35,200

TO DOCUMENT IN REAL TIME WHERE THE FIRE LINE AND WHERE IT WAS MOVING, AND THOSE PICT

23

00:01:35,200 --> 00:01:39,760

WERE DOWNLOADED AS FAST AS POSSIBLE, SEND TO THE CALIFORNIA FIREFIGHTERS IN ORDER T

24

00:01:39,760 --> 00:01:41,900

GIVE THEM A CHANCE TO REACT MORE QUICKLY."

25

00:01:42,240 --> 00:01:45,979

"YOU KNOW, IT'S MY FIRST FLIGHT AND SO LOOKING OUT THE WINDOW, THIS WAS THE FIRST TIME

26
00:01:45,979 --> 00:01:49,130
I GOT TO SEE WEATHER AT A GLOBAL SCALE.

27
00:01:49,130 --> 00:01:54,619
PROBABLY THE MOST STRIKING THING THAT HIT
ME THE FIRST TIME, WAS WATCHING A THUNDERSTORM

28
00:01:54,619 --> 00:01:59,200
AT NIGHT COMING UP OVER THE WEST COAST OF
THE UNITED STATES AND SEEING THE LIGHTING

29
00:01:59,200 --> 00:02:04,370
FLASHES JUST BLANKET THE ENTIRE UNITED STATES AS FAR AS YOU COULD SEE, AND IT SEEMS L

30
00:02:04,370 --> 00:02:06,979
THERE WERE ALWAYS GOING OFF SOMEWHERE.