



**Space**to**Ground**

1

00:00:03,040 --> 00:00:05,050

"HOUSTON, STATION ON SPACE TO GROUND."

2

00:00:05,050 --> 00:00:07,700

WELCOME TO SPACE TO GROUND, I'M ISIDRO REYNA.

3

00:00:07,700 --> 00:00:10,820

THIS WEEK, NEW SUPPLIES AND EXPERIMENTS ARE NOW ON STATION.

4

00:00:11,960 --> 00:00:15,200

A NORTHROP GRUMMAN CYGNUS RESUPPLY SPACECRAFT MADE ITS WAY

5

00:00:15,200 --> 00:00:18,170

TO THE INTERNATIONAL SPACE STATION WITH MORE THAN 7,500 POUNDS

6

00:00:18,170 --> 00:00:21,790

OF SCIENCE INVESTIGATIONS AND CARGO AFTER LAUNCHING ON SATURDAY,

7

00:00:21,790 --> 00:00:25,820

FEBRUARY 15TH, FROM NASA'S Wallops Flight Facility in Virginia.

8

00:00:25,820 --> 00:00:29,570

EXPEDITION 62 ASTRONAUT ANDREW MORGAN OF NASA USED THE STATION'S

9

00:00:29,570 --> 00:00:33,770

ROBOTIC ARM TO CAPTURE CYGNUS WITH THE HELP OF NASA'S JESSICA MEIR.

10

00:00:33,770 --> 00:00:37,200

CYGNUS BRINGS DOZENS OF NEW INVESTIGATIONS TO THE STATION.

11

00:00:37,200 --> 00:00:40,380

THE MOBILE SPACELAB, A TISSUE AND CELL CULTURING FACILITY,

12

00:00:40,380 --> 00:00:43,460

WILL OFFER INVESTIGATORS A QUICK-TURNAROUND  
PLATFORM

13

00:00:43,460 --> 00:00:47,290

TO PERFORM SOPHISTICATED MICROGRAVITY BIOLOGY EXPERIMENTS.

14

00:00:47,290 --> 00:00:50,160

ANOTHER INVESTIGATION WILL PROVIDE AN INITIAL  
DEMONSTRATION

15

00:00:50,160 --> 00:00:53,220

OF A NEW MINIATURE SCANNING ELECTRON MICROSCOPE.

16

00:00:53,220 --> 00:00:55,920

AND THE OSTEOOMICS EXPERIMENT WILL INVESTIGATE BONE LOSS

17

00:00:55,920 --> 00:01:00,180

BY EXAMINING OSTEOBLASTS, CELLS IN THE BODY  
THAT FORM BONE,

18

00:01:00,180 --> 00:01:02,880

AND OSTEOCLASTS, WHICH DISSOLVE BONE.

19

00:01:02,880 --> 00:01:05,930

LEARN MORE ABOUT THESE EXPERIMENTS AT [NASA.GOV](https://www.nasa.gov).

20

00:01:05,930 --> 00:01:08,810

THE SPACEX CREW DRAGON SPACECRAFT HAS ARRIVED

21

00:01:08,810 --> 00:01:11,420

AT THE LAUNCH SITE IN FLORIDA FOR ITS FIRST  
CREW LAUNCH.

22

00:01:12,620 --> 00:01:16,060

NASA AND SPACEX ARE PREPARING FOR THE COMPANY'S FIRST FLIGHT TEST

23

00:01:16,070 --> 00:01:18,430

WITH ASTRONAUTS TO THE INTERNATIONAL SPACE  
STATION

24

00:01:18,430 --> 00:01:21,110

AS PART OF THE AGENCY'S COMMERCIAL CREW  
PROGRAM.

25

00:01:21,110 --> 00:01:24,790

THE SPACEX CREW DRAGON WILL LAUNCH ATOP A  
FALCON 9 ROCKET

26

00:01:24,790 --> 00:01:27,490

WITH NASA ASTRONAUTS BOB BEHNKEN AND DOUG  
HURLEY

27

00:01:27,490 --> 00:01:31,870

FROM HISTORIC LAUNCH COMPLEX 39A AT NASA'S  
KENNEDY SPACE CENTER.

28

00:01:31,870 --> 00:01:35,830

THE SPACECRAFT IS UNDERGOING FINAL TESTING  
AND PRELAUNCH PROCESSING

29

00:01:35,830 --> 00:01:39,030

AT THE NEARBY CAPE CANAVERAL AIR FORCE STATION.