



Spaceto**Ground**

1
00:00:02,920 --> 00:00:04,880
"HOUSTON, STATION ON SPACE TO GROUND."

2
00:00:05,200 --> 00:00:07,240
WELCOME TO SPACE TO
GROUND, I'M ISIDRO REYNA.

3
00:00:07,720 --> 00:00:09,740
THIS WEEK, A RUSSIAN CARGO
CRAFT DEPARTED

4
00:00:09,740 --> 00:00:11,200
THE INTERNATIONAL SPACE STATION.

5
00:00:12,180 --> 00:00:15,400
THE PROGRESS 74 RESUPPLY
SHIP WAS PACKED WITH TRASH

6
00:00:15,400 --> 00:00:17,440
AND OBSOLETE GEAR
BEFORE IT UNDOCKED

7
00:00:17,446 --> 00:00:18,866
FROM THE STATION ON JULY 8.

8
00:00:19,386 --> 00:00:20,456
THE VEHICLE HAD BEEN ATTACHED

9
00:00:20,460 --> 00:00:23,140
TO THE ORBITING LABORATORY
SINCE DECEMBER 9, 2019

10
00:00:23,140 --> 00:00:26,456
BRINGING NEARLY THREE
TONS OF FOOD, FUEL AND SUPPLIES

11
00:00:26,460 --> 00:00:27,660
FOR THE STATION'S RESIDENTS.

12

00:00:28,060 --> 00:00:29,940

AFTER SEPARATING
FROM THE STATION,

13

00:00:29,940 --> 00:00:33,136

THE PROGRESS FIRED ITS DEORBIT
ENGINES OVER THE SOUTH PACIFIC

14

00:00:33,136 --> 00:00:35,096

TO BURNED UP SAFELY IN
THE EARTH'S ATMOSPHERE.

15

00:00:35,540 --> 00:00:39,340

PROGRESS 76, THE NEXT CARGO
SHIP TO REPLENISH THE CREW,

16

00:00:39,340 --> 00:00:42,020

IS SCHEDULED TO LAUNCH
ON JULY 23 AND DOCK

17

00:00:42,026 --> 00:00:44,300

TO STATION JUST TWO
ORBITS LATER.

18

00:00:44,980 --> 00:00:47,840

THE EXPEDITION 63 CREW
STAYED BUSY THIS WEEK,

19

00:00:47,840 --> 00:00:51,180

CONDUCTING A HABITABILITY TEST
OF THE CREW DRAGON ENDEAVOUR.

20

00:00:52,380 --> 00:00:54,900

DOUG HURLEY AND BOB BEHNKEN
PERFORMED A SERIES OF TESTS

21

00:00:54,906 --> 00:00:58,356

TO VERIFY CREW DRAGON'S FEATURES
AND FUNCTION'S WHILE IN ORBIT

22

00:00:58,360 --> 00:01:01,500
AROUND EARTH, INCLUDING
OPENING AND CLOSING THE HATCH,

23

00:01:01,500 --> 00:01:04,940
OPERATING DRAGON'S WASTE
SYSTEM, DONNING THEIR SPACESUITS

24

00:01:04,940 --> 00:01:06,900
AND MOVING CARGO BACK
INTO THE VEHICLE.

25

00:01:07,220 --> 00:01:09,116
THEY WERE ALSO JOINED
BY 2 MORE CREW MEMBERS

26

00:01:09,120 --> 00:01:11,460
TO TEST DRAGON'S
SLEEPING CONFIGURATION

27

00:01:11,460 --> 00:01:12,940
TO ASSESS THE SPACECRAFT

28

00:01:12,940 --> 00:01:15,440
AND DETERMINE WHAT IMPROVEMENTS
COULD BE MADE FOR FUTURE CREWS.

29

00:01:15,920 --> 00:01:18,960
THE DEMO-2 MISSION IS THE
FINAL MAJOR STEP BEFORE NASA'S

30

00:01:18,960 --> 00:01:21,376
COMMERCIAL CREW PROGRAM
CERTIFIES CREW DRAGON

31

00:01:21,376 --> 00:01:24,356
FOR OPERATIONAL, LONG-DURATION
MISSIONS TO THE SPACE STATION.

32

00:01:24,816 --> 00:01:26,826

THIS CERTIFICATION
AND REGULAR OPERATION

33

00:01:26,826 --> 00:01:28,766

OF CREW DRAGON WILL ENABLE NASA

34

00:01:28,766 --> 00:01:30,256

TO CONTINUE THE IMPORTANT
RESEARCH

35

00:01:30,260 --> 00:01:33,180

AND TECHNOLOGY INVESTIGATIONS
TAKING PLACE ONBOARD THE

36

00:01:33,180 --> 00:01:36,360

STATION, WHICH BENEFITS PEOPLE
ON EARTH AND LAYS THE GROUNDWORK

37

00:01:36,360 --> 00:01:38,840

FOR FUTURE EXPLORATION
OF THE MOON AND MARS.

38

00:01:40,080 --> 00:01:42,240

THIS WEEK'S QUESTION
COMES FROM CHRIS.

39

00:01:42,240 --> 00:01:45,380

HE WANTS TO KNOW HOW MANY
PEOPLE CAN THE STATION HOLD

40

00:01:45,380 --> 00:01:46,960

AT ANY GIVEN TIME.

41

00:01:47,800 --> 00:01:49,966

THE SPACE STATION HAS
BEEN CONTINUOUSLY OCCUPIED

42

00:01:49,966 --> 00:01:51,206

SINCE NOVEMBER 2000.

43

00:01:51,676 --> 00:01:54,186

INTERNATIONAL CREWS UP TO SIX
PEOPLE HAVE LIVED AND WORKED

44

00:01:54,186 --> 00:01:57,260

ON STATION, BUT WITH THE DAWN
OF THE COMMERCIAL CREW PROGRAM,

45

00:01:57,260 --> 00:01:58,960

THAT TOTAL WILL LIKELY INCREASE.

46

00:01:59,360 --> 00:02:01,520

THE LIVING AND WORKING SPACE
IN THE STATION IS LARGER

47

00:02:01,520 --> 00:02:05,500

THAN A SIX-BEDROOM HOUSE AND FOR
NOW, HAS SIX SLEEPING QUARTERS,

48

00:02:05,500 --> 00:02:09,480

TWO BATHROOMS, A GYM, AND A
360-DEGREE VIEW BAY WINDOW.

49

00:02:10,096 --> 00:02:12,596

THE RECORD FOR THE LARGEST
POPULATION ON STATION WAS SET

50

00:02:12,600 --> 00:02:17,000

IN 2009, WHEN 13 ASTRONAUTS
AND COSMONAUTS WERE ONBOARD.