



Space to Ground

1

00:00:03,000 --> 00:00:05,256

"HOUSTON, STATION ON SPACE TO GROUND."

2

00:00:05,256 --> 00:00:07,729

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

3

00:00:07,729 --> 00:00:09,969

THIS WEEK, INTERNATIONAL SPACE STATION CREW MEMBERS

4

00:00:09,969 --> 00:00:13,048

CONDUCTED A VARIETY OF SCIENTIFIC INVESTIGATIONS.

5

00:00:13,679 --> 00:00:15,110

THE ADDITION OF FOUR NEW CREW MEMBERS

6

00:00:15,110 --> 00:00:17,280

TO THE ORBITING LABORATORY INCREASES

7

00:00:17,280 --> 00:00:19,735

THE CREW TIME AVAILABLE FOR SCIENCE.

8

00:00:19,735 --> 00:00:22,688

ASTRONAUTS WORKED ON THE PLANT HABITAT-02 FACILITY.

9

00:00:22,688 --> 00:00:24,460

THIS INVESTIGATION STUDIES THE EFFECTS

10

00:00:24,460 --> 00:00:26,780

OF SPACE FLIGHT AND CULTURE CONDITIONS ON GROWTH,

11

00:00:26,780 --> 00:00:30,020

PERFORMANCE, AND METABOLISM IN RADISH PLANTS.

12

00:00:30,020 --> 00:00:31,780

THIS MODEL PLANT IS NUTRITIOUS,

13
00:00:31,780 --> 00:00:34,030
AND HAS A SHORT CULTIVATION TIME.

14
00:00:34,030 --> 00:00:35,130
THE CREW ALSO CONDUCTED

15
00:00:35,130 --> 00:00:37,290
THE DROP VIBRATION INVESTIGATION,

16
00:00:37,290 --> 00:00:38,460
WHICH EXAMINES THE BEHAVIOR OF

17
00:00:38,460 --> 00:00:39,840
BIG LIQUID DROPS WHEN THEIR

18
00:00:39,840 --> 00:00:41,780
CONTACT LINES MOVE RAPIDLY AS

19
00:00:41,780 --> 00:00:43,640
DROPS CHANGE SHAPE THROUGH MERGING

20
00:00:43,640 --> 00:00:45,260
OR DUE TO VIBRATION.

21
00:00:45,260 --> 00:00:47,510
THESE MOTIONS ARE FAST AND SMALL ON EARTH

22
00:00:47,510 --> 00:00:49,886
BUT BECOME SLOWER AND LARGER IN MICROGRAVITY,

23
00:00:49,886 --> 00:00:51,080
MAKING IT POSSIBLE TO

24
00:00:51,080 --> 00:00:53,110
OBSERVE THEM MORE CLOSELY.

25

00:00:53,110 --> 00:00:54,110

ALSO THIS WEEK,

26

00:00:54,110 --> 00:00:55,640

THE STANDARD MEASURES INVESTIGATION

27

00:00:55,640 --> 00:00:57,470

COLLECTED A SET OF CONSISTENT MEASUREMENTS

28

00:00:57,470 --> 00:00:59,079

FROM U.S. CREW MEMBERS TO HELP

29

00:00:59,079 --> 00:01:00,290

CHARACTERIZE THE EFFECTS OF

30

00:01:00,290 --> 00:01:03,176

LIVING AND WORKING IN SPACE ON THE HUMAN BODY.

31

00:01:04,030 --> 00:01:06,140

THE EXPEDITION 64 CREW CELEBRATED

32

00:01:06,140 --> 00:01:07,670

THE THANKSGIVING HOLIDAY WITH

33

00:01:07,670 --> 00:01:09,970

A TRADITIONAL AND INTERNATIONAL FEAST,

34

00:01:09,970 --> 00:01:12,200

WHILE IN MICROGRAVITY.

35

00:01:12,200 --> 00:01:13,560

THE SEVEN MEMBER CREW FLOATED

36

00:01:13,560 --> 00:01:15,610

AROUND THE THANKSGIVING TABLE THIS YEAR

37

00:01:15,610 --> 00:01:17,970

WITH A MEAL TO MAKE YOUR MOUTH WATER.

38
00:01:17,970 --> 00:01:19,970
SMOKED TURKEY, MASHED POTATOES,

39
00:01:19,970 --> 00:01:21,530
GREEN BEANS AND CORNBREAD DRESSING

40
00:01:21,530 --> 00:01:22,710
WERE ON THE MENU,

41
00:01:22,710 --> 00:01:24,330
IN ADDITION TO CURRY RICE,

42
00:01:24,330 --> 00:01:25,330
RED BEANS AND RICE

43
00:01:25,330 --> 00:01:26,619
AND A SEAFOOD DISH PREPARED BY

44
00:01:26,619 --> 00:01:28,795
JAPANESE HIGH SCHOOL STUDENTS.

45
00:01:28,795 --> 00:01:31,660
"THE YEAR 2020 IS A TOUGH ONE,

46
00:01:31,660 --> 00:01:34,049
THE YEAR OF PRESEVERANCE,

47
00:01:34,049 --> 00:01:36,330
AND A YEAR OF RESILIENCE.

48
00:01:36,330 --> 00:01:39,233
AND I REALLY HOPE EVERY ONE OF YOU

49
00:01:39,233 --> 00:01:41,650
ENJOY AND CHERISH EVERY MOMENT

50

00:01:41,650 --> 00:01:43,717
WITH YOUR FRIENDS AND FAMILY,

51
00:01:43,717 --> 00:01:45,443
AS WE DO ON ORBIT."

52
00:01:46,110 --> 00:01:48,869
"HELLO, WELCOME TO STORY TIME.

53
00:01:48,869 --> 00:01:49,869
TODAY WE'RE GOING TO READ

54
00:01:49,869 --> 00:01:54,380
"THE RHINO WHO SWALLOWED A STORM", BY LEVAR
BURTON."

55
00:01:54,380 --> 00:01:56,400
NASA ASTRONAUT KATE RUBINS WELCOMED

56
00:01:56,400 --> 00:01:59,630
STUDENTS TO THE ORBITING LABORATORY, OR LIBRARY,

57
00:01:59,630 --> 00:02:03,479
FOR A READING OF "THE RHINO WHO SWALLOWED
A STORM."

58
00:02:03,479 --> 00:02:04,950
STORY TIME FROM SPACE AIMS TO

59
00:02:04,950 --> 00:02:07,840
INSPIRE STUDENTS, EDUCATORS AND FAMILIES

60
00:02:07,840 --> 00:02:09,819
TO ACTIVELY ENGAGE IN SCIENCE,

61
00:02:09,819 --> 00:02:12,480
TECHNOLOGY, ENGINEERING AND MATHEMATICS PROGRAMS,

62

00:02:12,480 --> 00:02:14,430
THROUGH THE EXCITEMENT OF SPACE EXPLORATION

63
00:02:14,430 --> 00:02:15,510
AND LITERACY.

64
00:02:15,510 --> 00:02:17,180
THE PROGRAM ARMS EDUCATORS WITH

65
00:02:17,180 --> 00:02:19,230
THE NECESSARY MATERIALS AND KNOWLEDGE

66
00:02:19,230 --> 00:02:21,603
TO TEACH FUN, ACCURATE STEM LESSONS.

67
00:02:22,650 --> 00:02:24,220
KEEP SENDING IN YOUR QUESTIONS USING