



SPACE TO GROUND

1
00:00:00,606 --> 00:00:02,766
"HOUSTON, STATION
ON SPACE TO GROUND."

2
00:00:02,766 --> 00:00:05,526
WELCOME TO SPACE TO GROUND,
I'M KATHRYN MCLAURIN.

3
00:00:05,716 --> 00:00:07,486
IT'S ALWAYS HARD TO SAY GOODBYE,

4
00:00:07,486 --> 00:00:10,776
BUT THE EXPEDITION 54 CREW
DID JUST THAT AS THEY RETURNED

5
00:00:10,776 --> 00:00:11,956
TO EARTH EARLIER THIS WEEK.

6
00:00:12,756 --> 00:00:16,086
NASA ASTRONAUTS MARK VANDE
HEI AND JOE ACABA AS WELL

7
00:00:16,086 --> 00:00:19,396
AS RUSSIAN COSMONAUT ALEXANDER
MISURKIN SAID THEIR FAREWELLS

8
00:00:19,396 --> 00:00:21,456
BEFORE UNDOCKING THE
SOYUZ MS-06 SPACECRAFT

9
00:00:21,456 --> 00:00:23,676
FOR THE RETURN JOURNEY TO EARTH.

10
00:00:23,676 --> 00:00:28,046
THE CREW SAFELY LANDED TUESDAY
EVENING AT 9:31 EASTERN TIME

11
00:00:28,046 --> 00:00:29,416
IN A REMOTE PART OF KAZAKHSTAN.

12
00:00:29,716 --> 00:00:33,276
THIS CREW MARKED THE BEGINNING
OF THE FIRST LONG-TERM INCREASE

13
00:00:33,276 --> 00:00:34,966
IN CREW SIZE ON THE
U.S. SEGMENT.

14
00:00:35,366 --> 00:00:38,546
THIS ENABLED NASA TO DOUBLE
THE TIME DEDICATED TO RESEARCH

15
00:00:38,786 --> 00:00:40,536
AND ACHIEVE A RECORD
SETTING WEEK

16
00:00:40,536 --> 00:00:43,076
OF OVER 100 HOURS OF
RESEARCH IN SPACE.

17
00:00:43,716 --> 00:00:47,086
IN ADDITION TO RESEARCH THE CREW
WELCOMED FOUR CARGO SPACECRAFT,

18
00:00:47,316 --> 00:00:50,046
PARTICIPATED IN MULTIPLE
SPACEWALKS AND DOZENS

19
00:00:50,046 --> 00:00:52,496
OF EDUCATIONAL EVENTS
AS A PART OF NASA'S YEAR

20
00:00:52,496 --> 00:00:54,166
OF EDUCATION ON STATION.

21
00:00:54,816 --> 00:00:57,896
WITH ONE CREW HOME SAFE, ANOTHER
CREW IS PREPPING TO LAUNCH.

22
00:00:58,076 --> 00:01:02,396
NASA ASTRONAUTS RICKY ARNOLD AND
DREW FEUSTEL AND OLEG ARTEMYEV

23
00:01:02,396 --> 00:01:04,316
OF ROSCOSMOS ARE
IN THE FINAL WEEKS

24
00:01:04,316 --> 00:01:07,216
OF TRAINING BEFORE THEY LAUNCH
TO THE STATION IN LATE MARCH.

25
00:01:07,216 --> 00:01:10,206
THIS WILL BE THE SECOND FLIGHT
TO THE STATION FOR THE TRIO,

26
00:01:10,396 --> 00:01:13,216
AND THE FIRST LONG-DURATION
STAY FOR ARNOLD AND FEUSTEL.

27
00:01:13,486 --> 00:01:16,386
ARTEMYEV WAS A FLIGHT
ENGINEER DURING EXPEDITION 39

28
00:01:16,386 --> 00:01:17,986
AND 40 IN 2014.

29
00:01:18,406 --> 00:01:21,286
THEY WILL JOIN ANTRON
SHKAPLEROV, SCOTT TINGLE

30
00:01:21,336 --> 00:01:23,336
AND NORISHIGE KANAI
ABOARD THE STATION

31
00:01:23,386 --> 00:01:25,366
TO COMPLETE THE EXPEDITION
55 CREW.

32

00:01:26,416 --> 00:01:29,106
THIS WEEKS TWITTER QUESTION
COMES FROM MEISHA WHO WANTS

33
00:01:29,106 --> 00:01:31,496
TO KNOW WHAT THE ASTRONAUTS
DO WITH THE GARBAGE ON ISS.

34
00:01:31,496 --> 00:01:35,216
AS YOU CAN IMAGINE, THERE ARE
NO GARBAGE TRUCKS SWINGING

35
00:01:35,216 --> 00:01:37,006
BY THE STATION ONCE A
WEEK TO COLLECT THE TRASH.

36
00:01:37,446 --> 00:01:40,946
ASTRONAUTS PACK AND ORGANIZE
ANY WASTE ON CARGO VEHICLES

37
00:01:41,056 --> 00:01:44,296
LIKE ORBITAL ATK'S CYGNUS,
A RUSSIAN PROGRESS VEHICLE

38
00:01:44,446 --> 00:01:46,376
OR A JAPANESE HTV SPACECRAFT.

39
00:01:46,946 --> 00:01:49,066
ONCE THESE VEHICLES ARE
RELEASED, THE THOUSANDS

40
00:01:49,066 --> 00:01:51,346
OF POUNDS OF TRASH,
INCLUDING FOOD CONTAINERS

41
00:01:51,346 --> 00:01:53,636
AND DIRTY LAUNDRY, BURN
UP IN THE ATMOSPHERE

42
00:01:53,636 --> 00:01:55,196

OVER THE PACIFIC OCEAN.

43

00:01:55,566 --> 00:01:57,836
AND EVEN THOUGH THEY ARE
BACK ON EARTH, JOE ACABA

44

00:01:57,836 --> 00:02:00,166
AND MARK VANDE HEI ARE
CONTINUING THEIR YEAR

45

00:02:00,166 --> 00:02:03,236
OF EDUCATION ON STATION WITH
A TWEET CHAT ON MARCH 6TH.

46

00:02:03,746 --> 00:02:05,706
THEY WILL BE TALKING WITH
THEIR SOCIAL MEDIA FOLLOWERS

47

00:02:05,706 --> 00:02:08,706
ON THEIR INDIVIDUAL ACCOUNTS
WITH THE HASHTAG #ASKASTRO.

48

00:02:08,706 --> 00:02:12,826
JOE WILL ANSWER QUESTION
FROM @ASTROACABA FROM 1:15

49

00:02:12,906 --> 00:02:16,696
TO 1:45 PM CENTRAL TIME AND
MARK WILL ANSWER QUESTIONS

50

00:02:16,736 --> 00:02:21,876
FROM @ASTRO_SABOT AT
2:55-3:30 PM CENTRAL TIME.