

2017

SPACE
TO
GROUND

1
00:00:00,606 --> 00:00:02,926
"HOUSTON, STATION
ON SPACE TO GROUND."

2
00:00:02,926 --> 00:00:05,056
WELCOME TO SPACE TO
GROUND, I'M DAN HUOT.

3
00:00:05,056 --> 00:00:08,456
2017 WAS CERTAINLY A
PACKED YEAR IN SPACE,

4
00:00:08,766 --> 00:00:12,586
COMPLETE WITH RECORD BREAKING
ASTRONAUTS AND NON-STOP SCIENCE.

5
00:00:13,336 --> 00:00:15,166
SEVENTEEN DIFFERENT ASTRONAUTS

6
00:00:15,166 --> 00:00:18,426
AND COSMONAUTS CALLED
THE STATION HOME IN 2017,

7
00:00:18,626 --> 00:00:22,126
INCLUDING NASA'S PEGGY WHITSON
WHO BECAME THE RECORD HOLDER

8
00:00:22,166 --> 00:00:24,476
FOR TIME IN SPACE
AMONG U.S. ASTRONAUTS

9
00:00:24,646 --> 00:00:27,586
WITH 665 DAYS SPENT IN ORBIT.

10
00:00:27,586 --> 00:00:32,426
MORE THAN 120 NEW U.S. RESEARCH
INVESTIGATIONS WERE CONDUCTED

11
00:00:32,426 --> 00:00:36,046

THIS YEAR, INCLUDING TESTS OF
A DRUG TO HELP FIGHT CANCER,

12

00:00:36,276 --> 00:00:39,036

AN EXTERNAL PAYLOAD
LOOKING AT NEUTRON STARS

13

00:00:39,076 --> 00:00:41,066

THAT COULD ONE DAY
MAP THE GALAXY

14

00:00:41,316 --> 00:00:43,196

AND EVEN A BREAKTHROUGH
NEW PROCESS

15

00:00:43,200 --> 00:00:46,466

TO IDENTIFY MICROBES
LIVING INSIDE THE STATION.

16

00:00:47,340 --> 00:00:49,216

AND LIKE MOST YEARS,
THERE WERE TONS

17

00:00:49,216 --> 00:00:51,616

OF LAUNCHES, SPACEWALKS
AND MORE.

18

00:00:52,376 --> 00:00:55,396

FOUR SOYUZ CRAFTS LAUNCHED
HUMANS TO THE STATION,

19

00:00:55,396 --> 00:00:57,406

WITH CREW MEMBERS
COMING FROM THE U.S.,

20

00:00:57,556 --> 00:00:59,666

RUSSIA, JAPAN AND ITALY.

21

00:01:00,136 --> 00:01:03,566

THE MOST RECENT ARRIVED JUST

IN TIME TO CLOSE OUT THE YEAR,

22

00:01:03,696 --> 00:01:05,996

WITH SCOTT TINGLE,
ANTON SHKAPLEROV

23

00:01:05,996 --> 00:01:09,196

AND NORISHIGE KANAI
DOCKING ON DECEMBER 19TH.

24

00:01:09,316 --> 00:01:13,946

NINE CARGO VEHICLES CARRIED
SUPPLIES TO THE STATION IN 2017,

25

00:01:14,246 --> 00:01:18,686

INCLUDING FOUR SPACEX DRAGONS,
TWO ORBITAL ATK CYGNUS'

26

00:01:18,896 --> 00:01:20,696

AND THREE RUSSIAN PROGRESSES.

27

00:01:21,066 --> 00:01:24,906

TEN SPACEWALKS ALSO TOOK PLACE,
INSTALLING NEW BATTERIES,

28

00:01:25,036 --> 00:01:27,276

REPLACING PART OF THE
STATION'S ROBOTIC ARM

29

00:01:27,536 --> 00:01:29,826

AND PERFORMING A NUMBER
OF STATION UPGRADES.

30

00:01:30,056 --> 00:01:34,006

2018 IS SHAPING UP TO BE
A TRANSFORMATIONAL YEAR

31

00:01:34,006 --> 00:01:37,526

ON STATION, WITH SOME LONG
AWAITED TESTS ON THE HORIZON.

32

00:01:38,336 --> 00:01:40,166

THERE WILL BE TWO
MAJOR SPACEWALKS

33

00:01:40,166 --> 00:01:41,396

TO KICK OFF THE NEW YEAR,

34

00:01:41,396 --> 00:01:44,676

WITH THE EXPEDITION 54
CREW REPLACING ONE END

35

00:01:44,676 --> 00:01:46,886

OF THE CANADARM2 ROBOTIC ARM.

36

00:01:47,046 --> 00:01:50,296

THEN IN MARCH, NASA ASTRONAUT
RICKY ARNOLD WILL LAUNCH

37

00:01:50,296 --> 00:01:53,156

TO CONTINUE THE YEAR OF
EDUCATION ON STATION,

38

00:01:53,376 --> 00:01:56,636

A YEARLONG STINT WITH FORMER
EDUCATORS TURNED ASTRONAUTS

39

00:01:56,856 --> 00:01:59,836

BRINGING THE WONDERS OF STATION
TO STUDENTS BACK ON EARTH

40

00:02:00,046 --> 00:02:03,706

THAT STARTED IN SEPTEMBER WHEN
JOE ACABA ARRIVED ONBOARD.

41

00:02:04,236 --> 00:02:06,726

WITH ANOTHER FOUR CREW
LAUNCHES AND AS MANY

42

00:02:06,796 --> 00:02:10,476
AS NINE CARGO LAUNCHES SPREAD
ACROSS THE STATION PARTNERSHIP,

43

00:02:10,736 --> 00:02:13,006
IT WILL CERTAINLY BE
A BUSY TRAFFIC YEAR.

44

00:02:13,476 --> 00:02:14,836
AND MOST EXCITING OF ALL,

45

00:02:14,906 --> 00:02:18,776
TWO U.S. COMMERCIAL COMPANIES
ARE STILL TARGETING 2018

46

00:02:18,776 --> 00:02:21,666
FOR THE FIRST FLIGHTS OF
THEIR BRAND NEW SPACECRAFT,

47

00:02:21,906 --> 00:02:25,146
RETURNING HUMAN LAUNCHES
ONCE AGAIN TO AMERICAN SOIL.

48

00:02:25,446 --> 00:02:28,836
AND THAT WILL WRAP IT UP FOR
US THIS YEAR, HAPPY HOLIDAYS

49

00:02:28,836 --> 00:02:30,416
AND KEEP SENDING
IN THOSE QUESTIONS