



**Space**to**Ground**

1  
00:00:05,950 --> 00:00:02,790  
foreign

2  
00:00:08,750 --> 00:00:05,960  
[Music]

3  
00:00:11,690 --> 00:00:08,760  
I'm Kayla LaFrance as the International

4  
00:00:14,209 --> 00:00:11,700  
Space Station enters into its 23rd year

5  
00:00:16,970 --> 00:00:14,219  
of operation there is no slowdown in

6  
00:00:20,990 --> 00:00:16,980  
sight from cargo vehicles science and

7  
00:00:24,830 --> 00:00:21,000  
upcoming Evas it's a busy time on orbit

8  
00:00:28,370 --> 00:00:26,929  
and Carries ng-18 launch vehicle from

9  
00:00:31,370 --> 00:00:28,380  
multiple facility

10  
00:00:33,950 --> 00:00:31,380  
on Monday a Northrop Grumman resupply

11  
00:00:35,990 --> 00:00:33,960  
spacecraft successfully launched atop an

12  
00:00:36,970 --> 00:00:36,000  
Antares rocket from Wallops Island

13  
00:00:40,910 --> 00:00:36,980

Virginia

14

00:00:42,549 --> 00:00:40,920

ng-18 carried with it over 8 100 pounds

15

00:00:45,889 --> 00:00:42,559

of cargo to the space station

16

00:00:49,130 --> 00:00:45,899

resupplying the Expedition 68 crew with

17

00:00:50,930 --> 00:00:49,140

new research hardware and Provisions two

18

00:00:52,610 --> 00:00:50,940

days later the cygnus spacecraft

19

00:00:55,130 --> 00:00:52,620

rendezvoused with the orbiting

20

00:00:57,889 --> 00:00:55,140

laboratory to allow NASA astronauts

21

00:00:59,630 --> 00:00:57,899

Nicole Mann and Josh cassida to Grapple

22

00:01:02,689 --> 00:00:59,640

the vehicle with the station's robotic

23

00:01:04,910 --> 00:01:02,699

arm sickness capture is complete an

24

00:01:07,670 --> 00:01:04,920

expedition 68 would like to welcome

25

00:01:09,170 --> 00:01:07,680

Sally Ride Back To Low Earth orbit as

26

00:01:10,789 --> 00:01:09,180

she continues to advance space

27

00:01:13,250 --> 00:01:10,799

exploration and scientific

28

00:01:15,890 --> 00:01:13,260

investigations we certainly agree with

29

00:01:18,590 --> 00:01:15,900

her that from Leo the stars do not look

30

00:01:20,870 --> 00:01:18,600

bigger but they certainly look brighter

31

00:01:23,749 --> 00:01:20,880

the cygnus spacecraft for this mission

32

00:01:26,749 --> 00:01:23,759

was dubbed the SS Sally Ride who was the

33

00:01:29,030 --> 00:01:26,759

first American woman in space ride flew

34

00:01:34,130 --> 00:01:29,040

on two space shuttle missions aboard the

35

00:01:36,170 --> 00:01:34,140

Challenger sts-7 and sts-41g one of the

36

00:01:39,469 --> 00:01:36,180

new payload arrivals this week really

37

00:01:42,410 --> 00:01:39,479

puts the international into ISS the

38

00:01:44,330 --> 00:01:42,420

multi-nation birds 5 project is a

39

00:01:48,469 --> 00:01:44,340

constellation of three cubesats

40

00:01:50,990 --> 00:01:48,479

developed by Uganda Zimbabwe and Japan

41

00:01:53,569 --> 00:01:51,000

cubesats will be deployed from the ISS

42

00:01:56,090 --> 00:01:53,579

where they will perform multi-spectral

43

00:01:58,429 --> 00:01:56,100

observations of the earth to demonstrate

44

00:02:01,130 --> 00:01:58,439

the feasibility of such research and

45

00:02:03,830 --> 00:02:01,140

cameras on small class satellites the

46

00:02:07,010 --> 00:02:03,840

birds 5 project has opened the doors for

47

00:02:09,770 --> 00:02:07,020

Uganda and Zimbabwe to design build test

48

00:02:12,410 --> 00:02:09,780

launch and operate their country's first

49

00:02:14,750 --> 00:02:12,420

satellites these countries will acquire

50

00:02:16,970 --> 00:02:14,760

statistical data that can be used to

51  
00:02:18,830 --> 00:02:16,980  
improve the livelihood of their citizens

52  
00:02:21,229 --> 00:02:18,840  
here on Earth

53  
00:02:23,570 --> 00:02:21,239  
starting next week astronauts aboard the

54  
00:02:26,030 --> 00:02:23,580  
ISS will conduct a series of U.S

55  
00:02:28,490 --> 00:02:26,040  
spacewalks to finish up the year

56  
00:02:30,530 --> 00:02:28,500  
the next round of Evas are set to

57  
00:02:33,470 --> 00:02:30,540  
install mounting hardware and another

58  
00:02:35,869 --> 00:02:33,480  
pair of rollout solar arrays or irosas

59  
00:02:38,210 --> 00:02:35,879  
to increase electrical power to support

60  
00:02:41,990 --> 00:02:38,220  
station operations and scientific

61  
00:02:44,809 --> 00:02:42,000  
research on Tuesday November 15th NASA

62  
00:02:47,449 --> 00:02:44,819  
astronauts Josh cassida and Frank Rubio

63  
00:02:49,369 --> 00:02:47,459

will exit the station's Quest airlock to

64

00:02:51,350 --> 00:02:49,379

assemble a mounting bracket on the

65

00:02:53,930 --> 00:02:51,360

starboard side of the station's truss

66

00:02:56,390 --> 00:02:53,940

assembly the spacewalk will begin around

67

00:02:57,480 --> 00:02:56,400

8 A.M Eastern and is scheduled to last

68

00:02:58,610 --> 00:02:57,490

about 7 hours

69

00:03:00,229 --> 00:02:58,620

[Music]

70

00:03:02,210 --> 00:03:00,239

that's space to ground for this week

71

00:03:07,450 --> 00:03:02,220

thanks for watching we'll see you next