



Spaceto**Ground**

1
00:00:07,030 --> 00:00:04,950
houston station on space to ground

2
00:00:09,910 --> 00:00:07,040
welcome to space to ground i'm kayla

3
00:00:11,910 --> 00:00:09,920
lafrance life moves pretty fast aboard

4
00:00:14,310 --> 00:00:11,920
the international space station with

5
00:00:17,670 --> 00:00:14,320
docking space walks and tracking a

6
00:00:19,269 --> 00:00:17,680
dangerous storm all in one week

7
00:00:21,349 --> 00:00:19,279
and liftoff

8
00:00:23,349 --> 00:00:21,359
cargo dragon takes flight

9
00:00:25,670 --> 00:00:23,359
the week kicked off on sunday august

10
00:00:28,790 --> 00:00:25,680
29th with the early morning launch of

11
00:00:30,630 --> 00:00:28,800
spacex 23rd cargo resupply mission to

12
00:00:33,590 --> 00:00:30,640
the space station from kennedy space

13
00:00:36,630 --> 00:00:33,600

center once in orbit the dragon cargo

14

00:00:38,229 --> 00:00:36,640

spacecraft spent 32 hours maneuvering to

15

00:00:40,310 --> 00:00:38,239

rendezvous and dock with the

16

00:00:42,229 --> 00:00:40,320

international space station on monday

17

00:00:45,350 --> 00:00:42,239

bringing with it over 4

18

00:00:47,910 --> 00:00:45,360

800 pounds of hardware cargo and science

19

00:00:50,150 --> 00:00:47,920

experiments dragon arrived at the space

20

00:00:52,150 --> 00:00:50,160

station and autonomously docked to the

21

00:00:54,709 --> 00:00:52,160

forward-facing port of the harmony

22

00:00:56,950 --> 00:00:54,719

module under the watchful eye of nasa

23

00:00:59,270 --> 00:00:56,960

astronauts megan macarthur and shane

24

00:01:01,349 --> 00:00:59,280

kimbrough arriving on her birthday

25

00:01:04,070 --> 00:01:01,359

macarthur was excited to share the

26
00:01:05,990 --> 00:01:04,080
celebration with all involved

27
00:01:07,910 --> 00:01:06,000
congratulations to nasa and the spacex

28
00:01:09,510 --> 00:01:07,920
teams and many thanks no one's ever sent

29
00:01:11,109 --> 00:01:09,520
me a spaceship for my birthday before i

30
00:01:12,950 --> 00:01:11,119
appreciate it

31
00:01:15,510 --> 00:01:12,960
the month of september kicks off the

32
00:01:17,190 --> 00:01:15,520
start of a series of spacewalks outside

33
00:01:20,390 --> 00:01:17,200
of the space station

34
00:01:22,950 --> 00:01:20,400
roscosmos cosmonauts oleg novitskiy and

35
00:01:25,109 --> 00:01:22,960
pyoter de brov exited the space station

36
00:01:27,429 --> 00:01:25,119
on friday september 3rd through the

37
00:01:29,910 --> 00:01:27,439
poisk air lock in the next steps to

38
00:01:32,310 --> 00:01:29,920

connect the new russian multi-purpose

39

00:01:34,630 --> 00:01:32,320

laboratory module for long-term service

40

00:01:37,270 --> 00:01:34,640

to the space station the spacewalking

41

00:01:39,350 --> 00:01:37,280

pair established the necessary external

42

00:01:42,149 --> 00:01:39,360

cable connections between the nyoka

43

00:01:44,310 --> 00:01:42,159

module and the zvezda module

44

00:01:46,950 --> 00:01:44,320

tune in again on september 9th when the

45

00:01:49,590 --> 00:01:46,960

cosmonaut duo will venture outside once

46

00:01:53,030 --> 00:01:49,600

again to conduct the second spacewalk to

47

00:01:55,990 --> 00:01:53,040

prepare the mlm module for operations in

48

00:01:58,389 --> 00:01:56,000

total there could be up to 11 spacewalks

49

00:02:01,109 --> 00:01:58,399

outside the russian segment required to

50

00:02:03,670 --> 00:02:01,119

complete all outfitting steps

51
00:02:05,910 --> 00:02:03,680
and join us on friday september 10th for

52
00:02:09,350 --> 00:02:05,920
a nasa briefing that will preview the

53
00:02:12,630 --> 00:02:09,360
next u.s spacewalk jaxa astronaut and

54
00:02:15,510 --> 00:02:12,640
station commander aki hoshide along with

55
00:02:18,470 --> 00:02:15,520
issa astronaut toma pasquez will carry

56
00:02:21,030 --> 00:02:18,480
out the next in a series of planned evas

57
00:02:23,750 --> 00:02:21,040
on september 12th to continue with the

58
00:02:26,390 --> 00:02:23,760
installation of the new irosa solar

59
00:02:29,110 --> 00:02:26,400
array modification kits

60
00:02:30,630 --> 00:02:29,120
before making landfall on august 29th

61
00:02:33,670 --> 00:02:30,640
the crew on board the orbiting

62
00:02:36,309 --> 00:02:33,680
laboratory had a unique view of powerful

63
00:02:38,710 --> 00:02:36,319

hurricane ida and the gulf of mexico as

64

00:02:40,470 --> 00:02:38,720

it approached the louisiana coastline of

65

00:02:43,509 --> 00:02:40,480

the united states

66

00:02:45,430 --> 00:02:43,519

looking absolutely massive from above

67

00:02:48,150 --> 00:02:45,440

this storm would grow to become a

68

00:02:50,550 --> 00:02:48,160

devastating category 4 hurricane before

69

00:02:53,869 --> 00:02:50,560

it made landfall with maximum sustained

70

00:02:56,710 --> 00:02:53,879

winds of 150 miles per hour or

71

00:02:59,670 --> 00:02:56,720

241 kilometers per hour

72

00:03:02,229 --> 00:02:59,680

the iss and earth observing satellites

73

00:03:04,790 --> 00:03:02,239

have a unique view of these storms these

74

00:03:07,110 --> 00:03:04,800

observations provide data that helps

75

00:03:09,750 --> 00:03:07,120

nasa work with partner agencies

76

00:03:11,910 --> 00:03:09,760

including the national oceanographic and

77

00:03:14,229 --> 00:03:11,920

atmospheric administration to better

78

00:03:17,270 --> 00:03:14,239

understand hurricanes and support

79

00:03:19,430 --> 00:03:17,280

preparation and disaster response

80

00:03:21,270 --> 00:03:19,440

and that's space to ground for this week

81

00:03:21,620 --> 00:03:21,280

thanks for watching we'll see you next

82

00:03:29,030 --> 00:03:21,630

week