



Space to Ground

1
00:00:00,490 --> 00:00:05,349

[Music]

2
00:00:09,509 --> 00:00:07,030

welcome to space to ground i'm shanique

3
00:00:12,150 --> 00:00:09,519

wolverine this week a dragon sails back

4
00:00:14,470 --> 00:00:12,160

from its stay in space and we prepare to

5
00:00:15,749 --> 00:00:14,480

take one more step to the next giant

6
00:00:18,550 --> 00:00:15,759

leap

7
00:00:21,349 --> 00:00:18,560

on friday august 19th nasa and spacex

8
00:00:22,950 --> 00:00:21,359

crs-25 cargo mission autonomously

9
00:00:25,429 --> 00:00:22,960

undocked from the international space

10
00:00:27,750 --> 00:00:25,439

station packed for the return trip with

11
00:00:30,310 --> 00:00:27,760

roughly 4 000 pounds of experiments and

12
00:00:32,470 --> 00:00:30,320

other gear for researchers to analyze

13
00:00:33,910 --> 00:00:32,480

one day later the cargo craft re-entered

14

00:00:36,150 --> 00:00:33,920

the earth's atmosphere with a

15

00:00:37,590 --> 00:00:36,160

parachute-assisted ocean splashdown off

16

00:00:39,750 --> 00:00:37,600

the florida coast

17

00:00:42,549 --> 00:00:39,760

one experiment that landed back on earth

18

00:00:44,709 --> 00:00:42,559

is the missy 15 nasa containers holding

19

00:00:47,190 --> 00:00:44,719

a variety of samples from an electric

20

00:00:49,590 --> 00:00:47,200

textile that tests fabric sensors to

21

00:00:51,189 --> 00:00:49,600

solar cell material to see how radiation

22

00:00:52,630 --> 00:00:51,199

temperature and vacuum impact

23

00:00:54,389 --> 00:00:52,640

performance

24

00:00:56,630 --> 00:00:54,399

samples printed from the german space

25

00:00:58,709 --> 00:00:56,640

agency sponsored bioprint first aid

26

00:01:00,950 --> 00:00:58,719

experiment also returned on dragon

27

00:01:03,189 --> 00:01:00,960

european space agency astronaut matthias

28

00:01:05,670 --> 00:01:03,199

maurer tested a device that aims to use

29

00:01:07,670 --> 00:01:05,680

bio inks containing a person's own skin

30

00:01:08,710 --> 00:01:07,680

cells to cover a wound and accelerate

31

00:01:10,789 --> 00:01:08,720

healing

32

00:01:12,870 --> 00:01:10,799

for over two decades the international

33

00:01:15,109 --> 00:01:12,880

space station has enabled thousands of

34

00:01:17,190 --> 00:01:15,119

microgravity studies in ways that no

35

00:01:19,270 --> 00:01:17,200

other platform has been able to

36

00:01:21,749 --> 00:01:19,280

these experiments are paving the way for

37

00:01:23,510 --> 00:01:21,759

future deep space exploration by

38

00:01:25,590 --> 00:01:23,520

combining the findings we can get in

39

00:01:27,109 --> 00:01:25,600

lunar orbit and results from science

40

00:01:29,590 --> 00:01:27,119

conducted aboard earth's orbiting

41

00:01:31,190 --> 00:01:29,600

laboratory humanity is getting closer to

42

00:01:33,749 --> 00:01:31,200

a return to the moon

43

00:01:35,510 --> 00:01:33,759

and this time to stay

44

00:01:37,350 --> 00:01:35,520

to learn more about the research and

45

00:01:41,510 --> 00:01:37,360

technology advances aboard the space

46

00:01:42,950 --> 00:01:41,520

station head over to nasa.gov iss dash

47

00:01:45,270 --> 00:01:42,960

science

48

00:01:47,510 --> 00:01:45,280

we are going we're in the final hours

49

00:01:50,389 --> 00:01:47,520

before the launch of artemis 1 the first

50

00:01:52,870 --> 00:01:50,399

mission on our journey back to the moon

51
00:01:55,030 --> 00:01:52,880
this week nasa's flight readiness review

52
00:01:57,350 --> 00:01:55,040
ruled go for the launch of the uncrewed

53
00:01:58,789 --> 00:01:57,360
artemis mission to the moon the review

54
00:02:01,910 --> 00:01:58,799
was an in-depth assessment of the

55
00:02:03,510 --> 00:02:01,920
preparedness of the 322-foot tall stack

56
00:02:05,830 --> 00:02:03,520
consisting of the space launch system

57
00:02:07,350 --> 00:02:05,840
rocket and orion spacecraft currently

58
00:02:09,350 --> 00:02:07,360
sitting on the launch pad at nasa's

59
00:02:11,190 --> 00:02:09,360
kennedy space center in florida

60
00:02:13,750 --> 00:02:11,200
countdown of the launch of artemis 1

61
00:02:16,150 --> 00:02:13,760
will begin on saturday august 27th with

62
00:02:18,949 --> 00:02:16,160
liftoff scheduled for 8 33 monday

63
00:02:21,190 --> 00:02:18,959

morning august 29th we will provide live

64

00:02:22,869 --> 00:02:21,200

coverage of pre-launch launch and all of

65

00:02:25,670 --> 00:02:22,879

the major milestones throughout the

66

00:02:28,630 --> 00:02:25,680

mission on nasa television the nasa app

67

00:02:30,150 --> 00:02:28,640

and the agency's website

68

00:02:31,830 --> 00:02:30,160

that's space to ground for this week

69

00:02:38,590 --> 00:02:31,840

thanks for watching we'll see you next