



Spaceto**Ground**

1
00:00:06,869 --> 00:00:04,950
houston station on space to ground

2
00:00:07,829 --> 00:00:06,879
welcome to space to ground i'm nilla for

3
00:00:09,669 --> 00:00:07,839
ramji

4
00:00:11,270 --> 00:00:09,679
earlier this week the seven people

5
00:00:13,110 --> 00:00:11,280
living and working aboard the space

6
00:00:15,030 --> 00:00:13,120
station said goodbye to one cargo

7
00:00:16,470 --> 00:00:15,040
spacecraft as they prepare to welcome

8
00:00:18,870 --> 00:00:16,480
two more

9
00:00:21,429 --> 00:00:18,880
just a couple days after the undocking

10
00:00:23,990 --> 00:00:21,439
of the progress 79 cargo craft from the

11
00:00:26,230 --> 00:00:24,000
international space station progress 81

12
00:00:27,589 --> 00:00:26,240
launched from the baikonur cosmodrome in

13
00:00:29,509 --> 00:00:27,599

kazakhstan

14

00:00:32,069 --> 00:00:29,519

it docked in the space station's vetca

15

00:00:34,310 --> 00:00:32,079

service module just a few hours later

16

00:00:37,030 --> 00:00:34,320

progress delivered fuel water and other

17

00:00:38,709 --> 00:00:37,040

supplies it is expected to stay docked

18

00:00:40,549 --> 00:00:38,719

for six months

19

00:00:43,350 --> 00:00:40,559

coming up the astronauts are expecting

20

00:00:46,229 --> 00:00:43,360

another delivery this time from spacex

21

00:00:47,750 --> 00:00:46,239

the 25th cargo dragon spacecraft is set

22

00:00:50,150 --> 00:00:47,760

to launch from the space station from

23

00:00:52,310 --> 00:00:50,160

nasa's kennedy space center in florida

24

00:00:53,910 --> 00:00:52,320

carrying investigations and supplies for

25

00:00:55,750 --> 00:00:53,920

the crew

26
00:00:57,990 --> 00:00:55,760
dozens of new experiments will be flying

27
00:01:00,229 --> 00:00:58,000
aboard cargo dragon including studies of

28
00:01:02,150 --> 00:01:00,239
wound healing and the impact of dust in

29
00:01:04,070 --> 00:01:02,160
the earth's atmosphere

30
00:01:05,990 --> 00:01:04,080
one study from nasa's jet propulsion

31
00:01:08,149 --> 00:01:06,000
laboratory will use nasa imaging

32
00:01:10,149 --> 00:01:08,159
spectroscopy technology to measure the

33
00:01:12,310 --> 00:01:10,159
mineral composition of earth's dust

34
00:01:14,390 --> 00:01:12,320
source regions the earth's surface

35
00:01:16,310 --> 00:01:14,400
mineral dust source investigation known

36
00:01:18,390 --> 00:01:16,320
as emmett hopes to learn more about the

37
00:01:21,429 --> 00:01:18,400
impact that mineral dust has on earth's

38
00:01:23,910 --> 00:01:21,439

climate weather vegetation and more the

39

00:01:25,590 --> 00:01:23,920

collection of images over a year's time

40

00:01:27,670 --> 00:01:25,600

could advance our understanding of how

41

00:01:30,230 --> 00:01:27,680

dust and earth's arid regions affects

42

00:01:32,069 --> 00:01:30,240

people now and in the future

43

00:01:34,310 --> 00:01:32,079

another study from the european space

44

00:01:35,990 --> 00:01:34,320

agency called suitor in space looks at

45

00:01:38,550 --> 00:01:36,000

the process of wound healing in

46

00:01:40,550 --> 00:01:38,560

microgravity this understanding is vital

47

00:01:42,630 --> 00:01:40,560

for astronauts traveling farther away

48

00:01:44,870 --> 00:01:42,640

from earth who may experience a medical

49

00:01:46,310 --> 00:01:44,880

emergency but here on earth these

50

00:01:48,950 --> 00:01:46,320

techniques could help with cell

51
00:01:50,870 --> 00:01:48,960
regeneration surgical skills and may

52
00:01:52,389 --> 00:01:50,880
improve the ability to preserve tissues

53
00:01:54,469 --> 00:01:52,399
in emergencies

54
00:01:55,910 --> 00:01:54,479
to follow these and hundreds of other

55
00:01:58,550 --> 00:01:55,920
science investigations aboard the

56
00:02:01,350 --> 00:01:58,560
orbiting laboratory head over to iss

57
00:02:03,190 --> 00:02:01,360
underscore research on twitter

58
00:02:05,350 --> 00:02:03,200
that's all for space to ground you can

59
00:02:07,350 --> 00:02:05,360
keep up with all of the cargo arrivals

60
00:02:09,830 --> 00:02:07,360
and departures by following space

61
00:02:11,660 --> 00:02:09,840
underscore station on social media we'll