

SPACEX



SPACE TO GROUND

1
00:00:04,490 --> 00:00:02,469
Houston station on space to ground

2
00:00:06,470 --> 00:00:04,500
welcome to space to ground your weekly

3
00:00:07,730 --> 00:00:06,480
look at what's happening on board the

4
00:00:10,100 --> 00:00:07,740
International Space Station

5
00:00:12,560 --> 00:00:10,110
I'm amico counter vehicle traffic is

6
00:00:14,930 --> 00:00:12,570
really picking up in space Tuesday saw

7
00:00:16,370 --> 00:00:14,940
SpaceX's dragon cargo ship depart the

8
00:00:18,350 --> 00:00:16,380
station for a splashdown in the Pacific

9
00:00:21,860 --> 00:00:18,360
Ocean just five and a half hours later

10
00:00:23,750 --> 00:00:21,870
the vehicle returned 3,700 pounds of

11
00:00:26,060 --> 00:00:23,760
cargo and critical science samples to

12
00:00:27,860 --> 00:00:26,070
earth and Europe's fifth and final

13
00:00:29,450 --> 00:00:27,870

automated Transfer Vehicle is slated to

14

00:00:32,089 --> 00:00:29,460

undock from the station on Saturday

15

00:00:34,400 --> 00:00:32,099

bringing an end to its six-month mission

16

00:00:36,650 --> 00:00:34,410

the vehicle carried seven tons of cargo

17

00:00:38,150 --> 00:00:36,660

to space and tested technologies for the

18

00:00:40,580 --> 00:00:38,160

improvement of future ferrying

19

00:00:42,020 --> 00:00:40,590

spacecraft the next resupply vehicle

20

00:00:44,300 --> 00:00:42,030

headed for the station is Russia's

21

00:00:46,340 --> 00:00:44,310

progress 58 it's scheduled for a

22

00:00:49,040 --> 00:00:46,350

same-day launch to docking on February

23

00:00:49,819 --> 00:00:49,050

17th astronaut Terry Virts spent some

24

00:00:51,530 --> 00:00:49,829

time this week

25

00:00:53,990 --> 00:00:51,540

setting up the plant rotation experiment

26
00:00:56,330 --> 00:00:54,000
as plants grow their roots leaves and

27
00:00:57,889 --> 00:00:56,340
stems form a spiral shape and this study

28
00:00:59,720 --> 00:00:57,899
hopes to learn more about micro

29
00:01:01,250 --> 00:00:59,730
gravity's effect on that process a

30
00:01:03,200 --> 00:01:01,260
better understanding could lead to new

31
00:01:05,230 --> 00:01:03,210
strategies for growing food crops and

32
00:01:07,460 --> 00:01:05,240
smaller spaces and with less fertilizer

33
00:01:09,380 --> 00:01:07,470
results will also help scientists

34
00:01:11,210 --> 00:01:09,390
develop plant habitats for astronauts

35
00:01:13,910 --> 00:01:11,220
growing their own food on future deep

36
00:01:15,440 --> 00:01:13,920
space missions this week's social media

37
00:01:16,969 --> 00:01:15,450
question asked what is the longest

38
00:01:17,930 --> 00:01:16,979

anyone has ever spent in space

39

00:01:20,810 --> 00:01:17,940

cumulatively

40

00:01:23,210 --> 00:01:20,820

well russian cosmonaut sergei krikalev

41

00:01:25,670 --> 00:01:23,220

holds the record with 803 days in space

42

00:01:27,800 --> 00:01:25,680

over the course of six flights but that

43

00:01:29,600 --> 00:01:27,810

record scene will be broken by cosmonaut

44

00:01:31,969 --> 00:01:29,610

gennady padalka who will launch next

45

00:01:33,560 --> 00:01:31,979

month along with ISS one-year crew

46

00:01:36,140 --> 00:01:33,570

members Scott Kelly and Mikhail

47

00:01:38,060 --> 00:01:36,150

Kornienko padalka will surpass the

48

00:01:39,039 --> 00:01:38,070

record for cumulative days in space on

49

00:01:41,060 --> 00:01:39,049

june 29th

50

00:01:42,590 --> 00:01:41,070

make sure to keep sending us your

