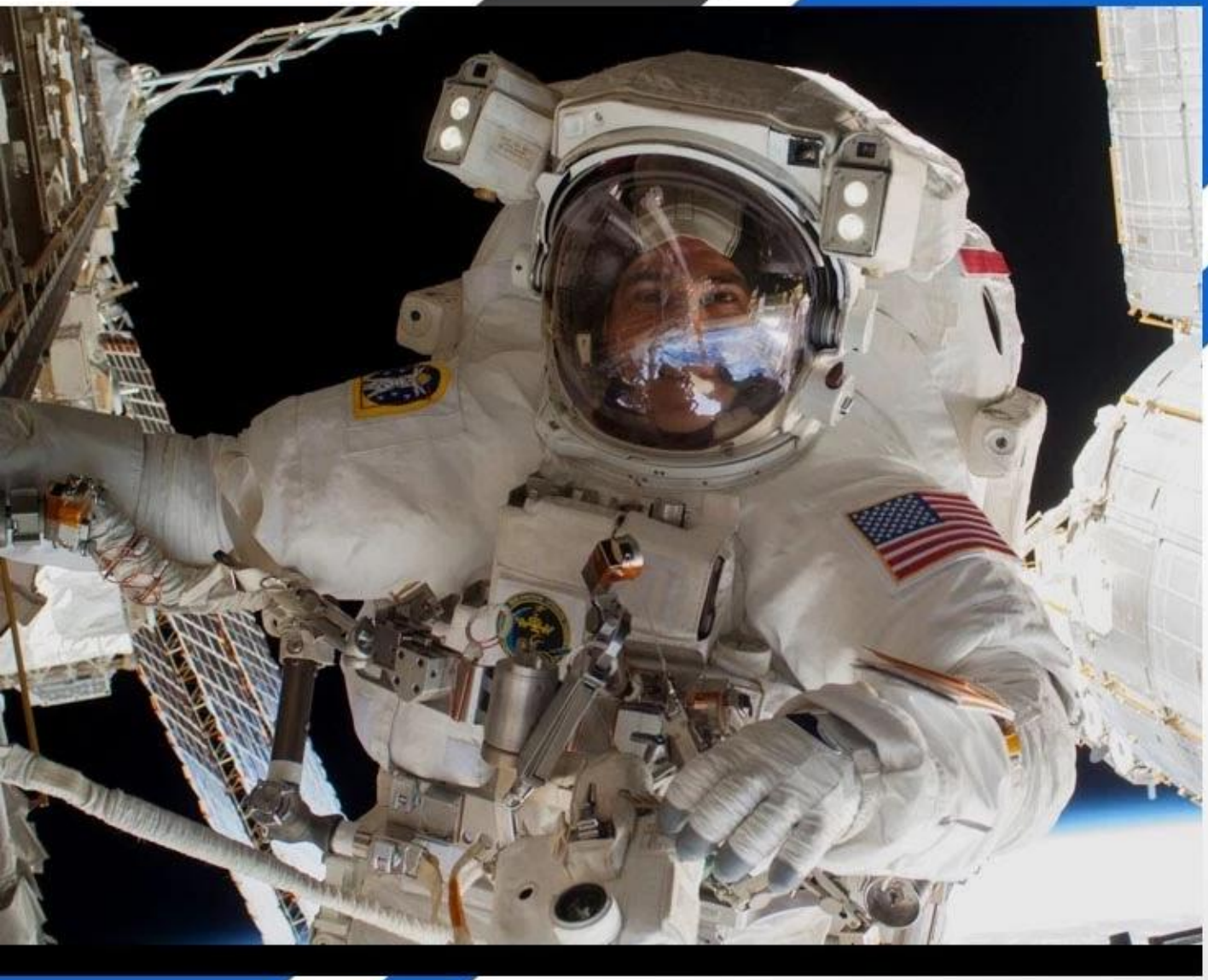

SPACE TO GROUND

1
00:00:04,710 --> 00:00:03,030
houston station on space to ground

2
00:00:06,309 --> 00:00:04,720
welcome to space to ground your weekly

3
00:00:08,390 --> 00:00:06,319
look at what's happening on board the

4
00:00:10,230 --> 00:00:08,400
iss i'm dan hewitt

5
00:00:12,629 --> 00:00:10,240
two nasa astronauts completed a quick

6
00:00:14,390 --> 00:00:12,639
space walk on wednesday rick mastracchio

7
00:00:16,310 --> 00:00:14,400
and steve swanson ventured outside the

8
00:00:18,230 --> 00:00:16,320
station airlock to replace a backup

9
00:00:20,950 --> 00:00:18,240
computer relay system that failed back

10
00:00:23,029 --> 00:00:20,960
on april 11th the two finished that task

11
00:00:25,670 --> 00:00:23,039
along with one other in only one hour

12
00:00:28,070 --> 00:00:25,680
and 36 minutes rick mastracchio now

13
00:00:30,390 --> 00:00:28,080

ranks fifth in total spacewalking time

14
00:00:32,150 --> 00:00:30,400
with 53 hours and four minutes

15
00:00:33,990 --> 00:00:32,160
the station residents were also busy

16
00:00:36,549 --> 00:00:34,000
this week unloading cargo from the newly

17
00:00:38,150 --> 00:00:36,559
arrived spacex dragon resupply craft

18
00:00:40,630 --> 00:00:38,160
dragon launched from cape canaveral

19
00:00:42,869 --> 00:00:40,640
florida on friday and arrived at the iss

20
00:00:44,229 --> 00:00:42,879
on sunday vehicle was captured and

21
00:00:46,229 --> 00:00:44,239
attached to the station by commander

22
00:00:47,750 --> 00:00:46,239
koichi rakata and then the crew opened

23
00:00:49,670 --> 00:00:47,760
the hatch on monday and immediately

24
00:00:52,470 --> 00:00:49,680
began unloading the nearly two and a

25
00:00:54,709 --> 00:00:52,480
half tons of cargo inside dragon will

26
00:00:56,790 --> 00:00:54,719
remain docked until may 18th when it

27
00:00:58,310 --> 00:00:56,800
will splash down in the pacific one of

28
00:01:00,310 --> 00:00:58,320
the first experiments unloaded from

29
00:01:01,830 --> 00:01:00,320
dragon called t cell activation and

30
00:01:03,510 --> 00:01:01,840
aging is going to be taking a look at

31
00:01:05,270 --> 00:01:03,520
the human immune system the

32
00:01:07,190 --> 00:01:05,280
investigation hopes to better understand

33
00:01:08,630 --> 00:01:07,200
the deterioration of immune function

34
00:01:11,510 --> 00:01:08,640
that happens to astronauts while they're

35
00:01:13,270 --> 00:01:11,520
in space and aging people here on earth

36
00:01:14,950 --> 00:01:13,280
what we learn may one day help in the

37
00:01:17,350 --> 00:01:14,960
treatment of autoimmune diseases like

38
00:01:19,109 --> 00:01:17,360

arthritis and diabetes and in treating

39
00:01:20,870 --> 00:01:19,119
the natural decline of the immune system

40
00:01:22,550 --> 00:01:20,880
as we age

41
00:01:24,630 --> 00:01:22,560
this week's social media question asks

42
00:01:26,149 --> 00:01:24,640
how do robonaut's legs work well it's a

43
00:01:27,990 --> 00:01:26,159
little tough to describe and even a

44
00:01:30,310 --> 00:01:28,000
little crazy to watch they're better

45
00:01:31,990 --> 00:01:30,320
referred to as climbing legs as newest

46
00:01:34,230 --> 00:01:32,000
additions are tailor-made for getting

47
00:01:35,990 --> 00:01:34,240
around in microgravity they act as a

48
00:01:37,830 --> 00:01:36,000
highly flexible means for the robot to

49
00:01:39,510 --> 00:01:37,840
get around inside the station and to

50
00:01:41,429 --> 00:01:39,520
stay in place when performing different

51
00:01:43,030 --> 00:01:41,439
tasks we're hoping to see robonaut take

52
00:01:45,190 --> 00:01:43,040
its first steps a little bit later this

53
00:01:46,950 --> 00:01:45,200
year make sure to keep sending us your