



SPACE TO GROUND

1
00:00:04,789 --> 00:00:03,510
houston station on space to ground

2
00:00:07,030 --> 00:00:04,799
run tim

3
00:00:08,950 --> 00:00:07,040
run

4
00:00:11,589 --> 00:00:08,960
welcome to space to ground i'm dan

5
00:00:13,589 --> 00:00:11,599
hewitt esa astronaut tim peake joined

6
00:00:16,070 --> 00:00:13,599
the short list of successful space

7
00:00:18,150 --> 00:00:16,080
marathon runners over the weekend the

8
00:00:21,349 --> 00:00:18,160
british astronaut ran in concert with

9
00:00:23,830 --> 00:00:21,359
about 33 000 people participating in the

10
00:00:25,830 --> 00:00:23,840
london marathon and was even able to

11
00:00:26,950 --> 00:00:25,840
watch them live on a screen from his

12
00:00:30,230 --> 00:00:26,960
treadmill

13
00:00:32,950 --> 00:00:30,240

he completed the 26.2 mile distance in

14

00:00:35,190 --> 00:00:32,960

three hours 35 minutes enough time for

15

00:00:36,549 --> 00:00:35,200

the station to circle the entire globe

16

00:00:38,869 --> 00:00:36,559

more than twice

17

00:00:40,950 --> 00:00:38,879

he joins an exclusive club with nasa

18

00:00:43,030 --> 00:00:40,960

astronaut sunny williams who ran the

19

00:00:44,869 --> 00:00:43,040

boston marathon from station back in

20

00:00:46,549 --> 00:00:44,879

2007

21

00:00:48,549 --> 00:00:46,559

a new satellite launched from the

22

00:00:50,549 --> 00:00:48,559

station this week and it was a big step

23

00:00:51,910 --> 00:00:50,559

for a new country looking to reach out

24

00:00:54,229 --> 00:00:51,920

into space

25

00:00:56,790 --> 00:00:54,239

the dewatta one satellite was deployed

26
00:00:59,510 --> 00:00:56,800
from outside of the japanese kibo module

27
00:01:01,750 --> 00:00:59,520
on wednesday intended to observe earth

28
00:01:03,670 --> 00:01:01,760
and monitor climate changes this was the

29
00:01:05,429 --> 00:01:03,680
first micro satellite owned by the

30
00:01:08,149 --> 00:01:05,439
philippine government that involved

31
00:01:10,230 --> 00:01:08,159
filipino engineers in the development it

32
00:01:12,469 --> 00:01:10,240
was a joint project between philippine

33
00:01:14,230 --> 00:01:12,479
and japanese universities and is just

34
00:01:16,070 --> 00:01:14,240
the latest small satellite to be

35
00:01:17,510 --> 00:01:16,080
deployed thanks to the international

36
00:01:19,350 --> 00:01:17,520
space station

37
00:01:21,510 --> 00:01:19,360
this week kyle wants to know why the

38
00:01:23,190 --> 00:01:21,520

robotic arm is often controlled by the

39

00:01:24,390 --> 00:01:23,200

ground don't the astronauts have a

40

00:01:26,550 --> 00:01:24,400

better view

41

00:01:28,550 --> 00:01:26,560

as it turns out they don't for a lot of

42

00:01:31,030 --> 00:01:28,560

maneuvers since windows are pretty rare

43

00:01:33,109 --> 00:01:31,040

on the station the crew has robotic

44

00:01:35,749 --> 00:01:33,119

control stations in the cupola and the

45

00:01:37,749 --> 00:01:35,759

destiny lab with the former only having

46

00:01:39,990 --> 00:01:37,759

a view of what's immediately underneath

47

00:01:42,389 --> 00:01:40,000

the station for the most part they have

48

00:01:44,550 --> 00:01:42,399

to rely on the same external camera

49

00:01:46,310 --> 00:01:44,560

views that our operators on the ground

50

00:01:48,630 --> 00:01:46,320

receive and since some of these

51
00:01:50,710 --> 00:01:48,640
operations can take up to eight hours or

52
00:01:52,710 --> 00:01:50,720
more it's easier for folks on the ground

53
00:01:54,630 --> 00:01:52,720
to take over tasks when astronauts

54
00:01:56,789 --> 00:01:54,640
aren't required

55
00:01:59,270 --> 00:01:56,799
keep sending us your questions using the