



SPACE TO GROUND

1
00:00:04,789 --> 00:00:03,030
houston station on space to ground

2
00:00:06,389 --> 00:00:04,799
welcome to space to ground your weekly

3
00:00:08,070 --> 00:00:06,399
look at what's happening on board the

4
00:00:10,390 --> 00:00:08,080
international space station i'm dan

5
00:00:11,910 --> 00:00:10,400
hewitt a white stork has arrived at the

6
00:00:13,990 --> 00:00:11,920
station and it's a little bit different

7
00:00:17,109 --> 00:00:14,000
from the birds you're familiar with

8
00:00:19,189 --> 00:00:17,119
japan's fifth htv vehicle named konotori

9
00:00:21,269 --> 00:00:19,199
which means white stork in japanese

10
00:00:24,150 --> 00:00:21,279
arrived with almost five tons of cargo

11
00:00:26,310 --> 00:00:24,160
on august 24th jaxa astronaut camilla

12
00:00:28,230 --> 00:00:26,320
yui used the station's robotic arm to

13
00:00:30,630 --> 00:00:28,240

capture the unmanned craft and it was

14

00:00:32,470 --> 00:00:30,640

bolted to the station a few hours later

15

00:00:34,470 --> 00:00:32,480

the station crew now has about five

16

00:00:36,630 --> 00:00:34,480

weeks to unload the thousands of pounds

17

00:00:38,389 --> 00:00:36,640

of supplies on board before they pack it

18

00:00:40,869 --> 00:00:38,399

up with trash and send it on a fiery

19

00:00:42,630 --> 00:00:40,879

ride to burn up in earth's atmosphere

20

00:00:44,389 --> 00:00:42,640

and it was a very quick end of summer

21

00:00:46,310 --> 00:00:44,399

road trip for three crew members this

22

00:00:48,869 --> 00:00:46,320

week with the relocation of their soyuz

23

00:00:50,630 --> 00:00:48,879

spacecraft the trio climbed into the

24

00:00:52,389 --> 00:00:50,640

vehicle and moved it from one docking

25

00:00:54,630 --> 00:00:52,399

port to another to clear the way for the

26

00:00:57,350 --> 00:00:54,640

arrival of the next three-man crew set

27

00:01:00,549 --> 00:00:57,360

for september 4th italian astronaut luca

28

00:01:02,389 --> 00:01:00,559

parmitano was on board back in 2013 the

29

00:01:04,070 --> 00:01:02,399

last time this kind of maneuver happened

30

00:01:07,270 --> 00:01:04,080

so we caught up with him to ask what it

31

00:01:08,310 --> 00:01:07,280

was like it was a very long day in a way

32

00:01:10,950 --> 00:01:08,320

but

33

00:01:12,550 --> 00:01:10,960

my memory went very quickly because

34

00:01:15,109 --> 00:01:12,560

it's an incredibly cool thing to

35

00:01:16,870 --> 00:01:15,119

manually undock your spacecraft flight

36

00:01:19,350 --> 00:01:16,880

around the space station and then

37

00:01:21,190 --> 00:01:19,360

manually docking again it's the closest

38

00:01:22,789 --> 00:01:21,200

thing you get to be

39

00:01:24,630 --> 00:01:22,799

luke skywalker

40

00:01:26,870 --> 00:01:24,640

and with school back in session we have

41

00:01:28,550 --> 00:01:26,880

a new site to help teachers and students

42

00:01:30,950 --> 00:01:28,560

bring the wonders of the space station

43

00:01:33,190 --> 00:01:30,960

straight into the classroom the new stem

44

00:01:35,830 --> 00:01:33,200

on station page is a one stop shop for

45

00:01:37,910 --> 00:01:35,840

lesson plans videos and up to the minute

46

00:01:40,149 --> 00:01:37,920

education news from humanity's home in

47

00:01:41,990 --> 00:01:40,159

low earth orbit there are also a number

48

00:01:44,069 --> 00:01:42,000

of ways for students to get involved

49

00:01:46,870 --> 00:01:44,079

from talking to astronauts to designing

50

00:01:50,230 --> 00:01:46,880

research that actually flies in space

51

00:01:52,149 --> 00:01:50,240

head on over to [nasa.gov](https://nasa.gov/education) education

52

00:01:53,670 --> 00:01:52,159

stem station for more

53

00:01:55,510 --> 00:01:53,680

and make sure to keep sending us your