



Spaceto**Ground**

1
00:00:05,410 --> 00:00:02,790
foreign

2
00:00:08,450 --> 00:00:05,420
[Music]

3
00:00:10,129 --> 00:00:08,460
I'm Chelsea vallarte this week on the

4
00:00:12,290 --> 00:00:10,139
International Space Station power was

5
00:00:14,509 --> 00:00:12,300
the name of the game NASA astronauts

6
00:00:16,609 --> 00:00:14,519
Josh cassida and Frank Rubio completed a

7
00:00:18,769 --> 00:00:16,619
spacewalk to deploy one solar array and

8
00:00:20,929 --> 00:00:18,779
disconnect part of another meanwhile

9
00:00:22,730 --> 00:00:20,939
Japanese astronaut koichiwakata showed

10
00:00:24,950 --> 00:00:22,740
the power of international teamwork by

11
00:00:26,929 --> 00:00:24,960
deploying Uganda in Zimbabwe's first

12
00:00:29,029 --> 00:00:26,939
ever satellites

13
00:00:31,550 --> 00:00:29,039

Casita and Rubio completed their second

14

00:00:33,350 --> 00:00:31,560

spacewalk last week this time spending a

15

00:00:35,690 --> 00:00:33,360

total of seven hours five minutes

16

00:00:37,670 --> 00:00:35,700

outside the space station they worked

17

00:00:39,709 --> 00:00:37,680

together to install and unravel a solar

18

00:00:41,990 --> 00:00:39,719

array that rolls out like a rug they

19

00:00:43,670 --> 00:00:42,000

also created a workaround on a damaged

20

00:00:45,830 --> 00:00:43,680

portion of one of the Space Station's

21

00:00:48,290 --> 00:00:45,840

original solar arrays with the goal of

22

00:00:50,450 --> 00:00:48,300

restoring it to 75 of the array's

23

00:00:52,430 --> 00:00:50,460

functionality the duo will be added

24

00:00:54,170 --> 00:00:52,440

again December 19th to install another

25

00:00:56,750 --> 00:00:54,180

rollout solar array

26
00:00:58,670 --> 00:00:56,760
astronaut koichiwakata deployed cubesats

27
00:01:02,389 --> 00:00:58,680
from all over the world this includes

28
00:01:04,910 --> 00:01:02,399
Pearl Africa sat 1 from Uganda Zim Sat

29
00:01:07,310 --> 00:01:04,920
one from Zimbabwe and the taka satellite

30
00:01:08,870 --> 00:01:07,320
from koichi's home country of Japan

31
00:01:11,090 --> 00:01:08,880
these satellites launched aboard a

32
00:01:12,410 --> 00:01:11,100
Northrop grumman's cygnus spacecraft and

33
00:01:14,450 --> 00:01:12,420
now that they're deployed they'll fly

34
00:01:16,850 --> 00:01:14,460
together as a constellation to take

35
00:01:18,590 --> 00:01:16,860
observations of the Earth the data could

36
00:01:21,289 --> 00:01:18,600
help researchers understand the quality

37
00:01:23,149 --> 00:01:21,299
of agricultural growth on the ground

38
00:01:24,649 --> 00:01:23,159

speaking of cargo spacecraft the

39

00:01:26,990 --> 00:01:24,659

astronauts spent much of last week

40

00:01:29,330 --> 00:01:27,000

unpacking goodies from the newly arrived

41

00:01:31,390 --> 00:01:29,340

SpaceX cargo Dragon spacecraft they

42

00:01:33,710 --> 00:01:31,400

activated some time critical experiments

43

00:01:36,109 --> 00:01:33,720

unloaded scientific investigations to

44

00:01:36,950 --> 00:01:36,119

work on later and even unpacked some ice

45

00:01:38,690 --> 00:01:36,960

cream

46

00:01:40,370 --> 00:01:38,700

while plenty of the research conducted

47

00:01:42,230 --> 00:01:40,380

on the space station is to benefit life

48

00:01:44,810 --> 00:01:42,240

on Earth many studies help us understand

49

00:01:46,249 --> 00:01:44,820

the human body in space so NASA can plan

50

00:01:48,469 --> 00:01:46,259

long duration missions to the Moon

51
00:01:50,270 --> 00:01:48,479
through the Artemis program in fact the

52
00:01:52,069 --> 00:01:50,280
rollout design of the solar arrays

53
00:01:53,690 --> 00:01:52,079
deployed during last week's spacewalk

54
00:01:56,109 --> 00:01:53,700
will be used on the Gateway lunar

55
00:02:00,950 --> 00:01:58,730
NASA's Artemis 1 Mission returns from

56
00:02:02,929 --> 00:02:00,960
the Moon Sunday December 11th and you

57
00:02:05,929 --> 00:02:02,939
can watch live coverage of the historic

58
00:02:07,730 --> 00:02:05,939
Splashdown starting at 11 A.M Eastern

59
00:02:09,830 --> 00:02:07,740
until then check out the latest episode

60
00:02:11,510 --> 00:02:09,840
of Artemis all access to see what the

61
00:02:13,070 --> 00:02:11,520
Orion spacecraft's return to Earth has

62
00:02:14,890 --> 00:02:13,080
been like so far

63
00:02:17,750 --> 00:02:14,900

foreign

64

00:02:19,790 --> 00:02:17,760

for this week thanks for watching and by

65

00:02:21,290 --> 00:02:19,800

the way you can get a daily on-orbit

66

00:02:24,290 --> 00:02:21,300

status report by visiting our space

67

00:02:24,970 --> 00:02:24,300

station blog at blogs.nasa.gov we'll see