



Spaceto**Ground**

1
00:00:06,190 --> 00:00:02,790
foreign

2
00:00:09,770 --> 00:00:06,200
[Music]

3
00:00:12,110 --> 00:00:09,780
I'm Kayla LaFrance as one crew settles

4
00:00:15,289 --> 00:00:12,120
into their new orbital home another

5
00:00:18,170 --> 00:00:15,299
prepares to say goodbye since their

6
00:00:20,450 --> 00:00:18,180
arrival on April 27th the crew 4 crew

7
00:00:22,790 --> 00:00:20,460
members NASA astronaut Chell Lindgren

8
00:00:25,250 --> 00:00:22,800
Bob Heinz and Jessica Watkins and

9
00:00:27,349 --> 00:00:25,260
European Space Agency astronaut Samantha

10
00:00:29,450 --> 00:00:27,359
Christopher Eddie have been living and

11
00:00:32,450 --> 00:00:29,460
working aboard the station

12
00:00:34,310 --> 00:00:32,460
as their stay aboard Drew near there was

13
00:00:36,110 --> 00:00:34,320

a change of command ceremony during

14

00:00:38,330 --> 00:00:36,120

which Christopher Eddy handed over

15

00:00:41,569 --> 00:00:38,340

command of the station to crewmate

16

00:00:43,729 --> 00:00:41,579

roscosmos Cosmonaut Sergey prokabi

17

00:00:46,549 --> 00:00:43,739

I would like to hand you over officially

18

00:00:52,130 --> 00:00:46,559

the key of the space station

19

00:00:56,750 --> 00:00:54,290

during their time on orbit the members

20

00:00:58,549 --> 00:00:56,760

of crew 4 contributed to hundreds of

21

00:01:00,470 --> 00:00:58,559

experiments and Technology

22

00:01:02,869 --> 00:01:00,480

demonstrations

23

00:01:05,630 --> 00:01:02,879

the astronauts contributed to deep space

24

00:01:08,270 --> 00:01:05,640

exploration studies including testing

25

00:01:11,090 --> 00:01:08,280

aeronic and hydroponic methods of

26
00:01:13,550 --> 00:01:11,100
growing edible crops in microgravity and

27
00:01:16,550 --> 00:01:13,560
testing of a membrane that could improve

28
00:01:18,649 --> 00:01:16,560
Water Reclamation water has some of the

29
00:01:21,289 --> 00:01:18,659
highest mass of all the supplies needed

30
00:01:23,630 --> 00:01:21,299
for space travel effective recovery for

31
00:01:26,570 --> 00:01:23,640
potable water from Wastewater is

32
00:01:28,429 --> 00:01:26,580
critical on long-term missions they also

33
00:01:31,010 --> 00:01:28,439
conducted human health investigations

34
00:01:33,530 --> 00:01:31,020
that include a study of the Aging of

35
00:01:36,410 --> 00:01:33,540
immune systems and an experiment looking

36
00:01:38,749 --> 00:01:36,420
at how a specialized diet could impact

37
00:01:41,030 --> 00:01:38,759
the immune system and gut microbiome

38
00:01:43,609 --> 00:01:41,040

their work will contribute to Future

39

00:01:46,850 --> 00:01:43,619

exploration missions and benefit those

40

00:01:48,710 --> 00:01:46,860

of us back on our home planet

41

00:01:50,870 --> 00:01:48,720

that's face to ground for this week