
SpacetoGround

1
00:00:06,470 --> 00:00:05,030
houston station on space to ground

2
00:00:08,950 --> 00:00:06,480
welcome to space to ground i'm leah

3
00:00:10,870 --> 00:00:08,960
cheshire mustachio on the station two

4
00:00:12,470 --> 00:00:10,880
russian cosmonauts are gearing up for a

5
00:00:15,190 --> 00:00:12,480
spacewalk

6
00:00:16,870 --> 00:00:15,200
on january 19th expedition 66 commander

7
00:00:19,349 --> 00:00:16,880
anton shkaplerov and flight engineer

8
00:00:21,590 --> 00:00:19,359
piotr dubrov of roscosmos will exit the

9
00:00:23,830 --> 00:00:21,600
poisk module around 7am eastern time for

10
00:00:25,910 --> 00:00:23,840
a seven hour spacewalk the duo will

11
00:00:28,070 --> 00:00:25,920
install handrails rendezvous antennas a

12
00:00:29,589 --> 00:00:28,080
television camera and docking targets on

13
00:00:31,669 --> 00:00:29,599

the pre-shawl node which docked to the

14
00:00:33,910 --> 00:00:31,679
nokia multi-purpose laboratory module in

15
00:00:36,310 --> 00:00:33,920
november you can watch the spacewalk

16
00:00:38,389 --> 00:00:36,320
live on nasa tv the agency's website and

17
00:00:40,069 --> 00:00:38,399
the nasa app

18
00:00:41,990 --> 00:00:40,079
new science on the station will study

19
00:00:44,869 --> 00:00:42,000
certain bacteria and fungi and their

20
00:00:47,029 --> 00:00:44,879
resistance to antibiotics researchers in

21
00:00:48,709 --> 00:00:47,039
the microbial tracking 3 experiment use

22
00:00:50,389 --> 00:00:48,719
environmental surface samples collected

23
00:00:52,709 --> 00:00:50,399
by astronauts aboard the space station

24
00:00:54,470 --> 00:00:52,719
to identify analyze and characterize

25
00:00:56,229 --> 00:00:54,480
pathogen dynamics and antibiotic

26
00:00:57,750 --> 00:00:56,239
resistance to predict which may pose a

27
00:00:59,189 --> 00:00:57,760
threat to crew health

28
00:01:00,950 --> 00:00:59,199
analyzing the potential risks to

29
00:01:03,029 --> 00:01:00,960
astronauts on long-duration missions

30
00:01:04,630 --> 00:01:03,039
also benefits life on earth as some of

31
00:01:06,390 --> 00:01:04,640
the same bacteria and fungi that have

32
00:01:07,990 --> 00:01:06,400
adapted to the space flight environment

33
00:01:09,720 --> 00:01:08,000
are the same as other environments like

34
00:01:10,950 --> 00:01:09,730
hospitals offices and homes

35
00:01:12,870 --> 00:01:10,960
[Music]

36
00:01:14,630 --> 00:01:12,880
this week nasa's newest astronauts

37
00:01:16,149 --> 00:01:14,640
reported for training while one veteran

38
00:01:17,749 --> 00:01:16,159

astronaut in space reached more

39
00:01:19,910 --> 00:01:17,759
milestones

40
00:01:21,590 --> 00:01:19,920
on earth nasa's 10 astronaut candidates

41
00:01:23,990 --> 00:01:21,600
began training at johnson space center

42
00:01:25,270 --> 00:01:24,000
in houston texas over the next two years

43
00:01:27,190 --> 00:01:25,280
the candidates will learn the russian

44
00:01:28,789 --> 00:01:27,200
language space station systems

45
00:01:31,510 --> 00:01:28,799
spacewalking techniques in the neutral

46
00:01:32,870 --> 00:01:31,520
buoyancy lab and more upon graduation

47
00:01:34,469 --> 00:01:32,880
they will be eligible for missions to

48
00:01:36,230 --> 00:01:34,479
the space station or the moon with the

49
00:01:38,390 --> 00:01:36,240
artemis program

50
00:01:39,910 --> 00:01:38,400
in orbit mark vanda high is adding days

51
00:01:42,069 --> 00:01:39,920
to his long duration record-setting

52
00:01:44,710 --> 00:01:42,079
space flight vandahy's mission to the

53
00:01:46,389 --> 00:01:44,720
station is scheduled to last 355 days

54
00:01:48,310 --> 00:01:46,399
the longest single space flight for an

55
00:01:50,590 --> 00:01:48,320
american astronaut he has already

56
00:01:53,270 --> 00:01:50,600
surpassed nasa astronaut andrew morgan's

57
00:01:55,910 --> 00:01:53,280
272-day record and will eclipse former

58
00:01:57,990 --> 00:01:55,920
nasa astronaut peggy whitson's 289 day

59
00:01:59,350 --> 00:01:58,000
record on january 23rd

60
00:02:00,870 --> 00:01:59,360
follow vanda high's mission and the

61
00:02:03,030 --> 00:02:00,880
latest astronaut announcements on

62
00:02:04,389 --> 00:02:03,040
facebook twitter and instagram at nasa

63
00:02:06,149 --> 00:02:04,399

astronauts

64
00:02:28,550 --> 00:02:06,159
that's all for today on space to ground

65
00:02:37,350 --> 00:02:31,180
subscribe for more space