SpacetoGround

1
00:00:06,869 --> 00:00:04,950
houston station on space to ground

2
00:00:09,589 --> 00:00:06,879
welcome to space to ground i'm sandra

3
00:00:11,350 --> 00:00:09,599
jones this week a cargo vehicle splashed

4
00:00:13,509 --> 00:00:11,360
down off the coast of florida a

5
00:00:15,669 --> 00:00:13,519
record-breaking space flight continues

6
00:00:17,670 --> 00:00:15,679
and space veggie investigations are

7
00:00:19,189 --> 00:00:17,680
underway aboard the international space

8
00:00:22,150 --> 00:00:19,199
station

9
00:00:24,630 --> 00:00:22,160
on monday january 24th an unpiloted

10
00:00:26,710 --> 00:00:24,640
spacex cargo dragon splashed down off

11
00:00:28,230 --> 00:00:26,720
the coast of panama city florida

12
00:00:30,950 --> 00:00:28,240
carrying over 3

13
00:00:33,510 --> 00:00:30,960

900 pounds of science investigations and

14
00:00:36,470 --> 00:00:33,520
return samples the vehicle undocked from

15
00:00:38,069 --> 00:00:36,480
the space station on january 23rd after

16
00:00:40,389 --> 00:00:38,079
launching from the kennedy space center

17
00:00:42,790 --> 00:00:40,399
in florida last month

18
00:00:45,110 --> 00:00:42,800
meanwhile on station the crew began the

19
00:00:47,190 --> 00:00:45,120
veggie ponds validation experiment in

20
00:00:49,510 --> 00:00:47,200
the veggie facility

21
00:00:51,830 --> 00:00:49,520
the veggie ponds investigation expands

22
00:00:53,990 --> 00:00:51,840
on previous validation tests of the new

23
00:00:55,990 --> 00:00:54,000
veggie hardware which can potentially

24
00:00:58,310 --> 00:00:56,000
allow crew members to grow a variety of

25
00:01:00,229 --> 00:00:58,320
new crops from new leafy greens to dwarf

26
00:01:02,470 --> 00:01:00,239
fruit crops in space

27
00:01:04,789 --> 00:01:02,480
tests also aim to determine and monitor

28
00:01:07,030 --> 00:01:04,799
microbiome population changes that are

29
00:01:09,190 --> 00:01:07,040
present in space grown crops providing

30
00:01:10,230 --> 00:01:09,200
baseline data for future food production

31
00:01:11,670 --> 00:01:10,240
efforts

32
00:01:13,429 --> 00:01:11,680
results from the veggie ponds

33
00:01:16,149 --> 00:01:13,439
investigation contribute to basic

34
00:01:18,230 --> 00:01:16,159
research on plant cultivation benefiting

35
00:01:20,070 --> 00:01:18,240
agriculture and biomass production

36
00:01:22,550 --> 00:01:20,080
efforts on earth

37
00:01:24,070 --> 00:01:22,560
nasa astronaut mark vande high continues

38
00:01:26,390 --> 00:01:24,080

to break records during his

39
00:01:29,030 --> 00:01:26,400
long-duration space flight

40
00:01:31,270 --> 00:01:29,040
on saturday january 22nd vanda high

41
00:01:34,550 --> 00:01:31,280
surpassed former nasa astronaut peggy

42
00:01:36,310 --> 00:01:34,560
whitson's record of 288 days in space

43
00:01:39,670 --> 00:01:36,320
the next american on the list is

44
00:01:41,830 --> 00:01:39,680
christina cook she spent a total of 328

45
00:01:44,310 --> 00:01:41,840
days in space during her mission from

46
00:01:46,230 --> 00:01:44,320
2019 to 2020.

47
00:01:49,270 --> 00:01:46,240
the current american record holder is

48
00:01:51,670 --> 00:01:49,280
former astronaut scott kelly with 340

49
00:01:53,510 --> 00:01:51,680
consecutive days in orbit when vanda

50
00:01:56,950 --> 00:01:53,520
high returns to earth in march he will

51
00:01:58,789 --> 00:01:56,960
have spent a total of 353 days in space

52
00:02:01,190 --> 00:01:58,799
which will be the longest single space

53
00:02:03,030 --> 00:02:01,200
flight by an american the record holder

54
00:02:04,950 --> 00:02:03,040
for the longest single space flight is

55
00:02:08,469 --> 00:02:04,960
held by russian cosmonaut valerie

56
00:02:13,510 --> 00:02:08,479
polyavkov he spent 437 days aboard the

57
00:02:15,270 --> 00:02:13,520
mir space station from 1994 to 1995.

58
00:02:17,430 --> 00:02:15,280
that's space to ground for this week

59
00:02:19,589 --> 00:02:17,440
thanks for watching you can get a daily

60
00:02:22,470 --> 00:02:19,599
on orbit status report by visiting our

61
00:02:38,150 --> 00:02:22,480
space station blog at blogs.nasa.gov