
TW@N
THIS WEEK @ NASA

1
00:00:05,269 --> 00:00:02,790
the crew 3 astronauts returned from the

2
00:00:07,430 --> 00:00:05,279
space station the spacecraft for another

3
00:00:09,910 --> 00:00:07,440
commercial crew mission is on the move

4
00:00:11,910 --> 00:00:09,920
and discussing nasa's budget a few of

5
00:00:14,230 --> 00:00:11,920
the stories to tell you about this week

6
00:00:16,710 --> 00:00:14,240
at nasa

7
00:00:19,029 --> 00:00:16,720
on may 5th the astronauts of nasa's

8
00:00:20,950 --> 00:00:19,039
spacex crew 3 mission closed out their

9
00:00:23,830 --> 00:00:20,960
time aboard the international space

10
00:00:26,870 --> 00:00:23,840
station nasa astronauts kayla barron

11
00:00:29,429 --> 00:00:26,880
rasha shari and tom marshburn along with

12
00:00:31,750 --> 00:00:29,439
european space agency astronaut matthias

13
00:00:34,150 --> 00:00:31,760

maurer undocked from the station aboard

14
00:00:36,770 --> 00:00:34,160
their crew dragon endurance spacecraft

15
00:00:40,069 --> 00:00:36,780
to begin their return trip to earth

16
00:00:42,069 --> 00:00:40,079
[Applause]

17
00:00:44,150 --> 00:00:42,079
they safely splashed down the next day

18
00:00:46,549 --> 00:00:44,160
off the coast of florida to wrap up a

19
00:00:48,549 --> 00:00:46,559
nearly six-month mission on the station

20
00:00:50,790 --> 00:00:48,559
working with hundreds of experiments and

21
00:00:54,150 --> 00:00:50,800
technology demonstrations

22
00:00:56,389 --> 00:00:54,160
on may 4th teams moved boeing's cst-100

23
00:00:59,110 --> 00:00:56,399
starliner spacecraft from the commercial

24
00:01:01,990 --> 00:00:59,120
crew and cargo processing facility at

25
00:01:04,469 --> 00:01:02,000
our kennedy space center to nearby space

26
00:01:06,710 --> 00:01:04,479
launch complex 41 at cape canaveral

27
00:01:09,670 --> 00:01:06,720
space force station the move was in

28
00:01:11,830 --> 00:01:09,680
preparation for oft2 the company's

29
00:01:14,070 --> 00:01:11,840
second uncrewed orbital flight test to

30
00:01:16,789 --> 00:01:14,080
the international space station

31
00:01:19,830 --> 00:01:16,799
launch is targeted for may 19th atop a

32
00:01:21,670 --> 00:01:19,840
united launch alliance atlas v rocket

33
00:01:23,910 --> 00:01:21,680
the test mission will demonstrate the

34
00:01:26,469 --> 00:01:23,920
starliner system's human transport

35
00:01:28,390 --> 00:01:26,479
capabilities and is expected to be the

36
00:01:30,710 --> 00:01:28,400
last uncrewed flight before the

37
00:01:32,230 --> 00:01:30,720
starliner launches american astronauts

38
00:01:34,870 --> 00:01:32,240

to the station

39
00:01:36,950 --> 00:01:34,880
nasa administrator bill nelson testified

40
00:01:39,670 --> 00:01:36,960
during a may 3rd senate hearing about

41
00:01:41,670 --> 00:01:39,680
the president's fiscal year 2023 budget

42
00:01:43,990 --> 00:01:41,680
request for the agency

43
00:01:46,550 --> 00:01:44,000
he pointed to commercial partnerships as

44
00:01:49,109 --> 00:01:46,560
a key reason the agency is able to

45
00:01:51,510 --> 00:01:49,119
achieve its goals while also getting the

46
00:01:54,230 --> 00:01:51,520
most value from the funding granted to

47
00:01:56,870 --> 00:01:54,240
it by congress it's a new day government

48
00:02:00,550 --> 00:01:56,880
can't do it all

49
00:02:02,870 --> 00:02:00,560
you all give us uh x amount of money and

50
00:02:03,990 --> 00:02:02,880
we've got to make that money

51
00:02:06,630 --> 00:02:04,000
happen

52
00:02:09,910 --> 00:02:06,640
the way that we're trying to achieve and

53
00:02:11,270 --> 00:02:09,920
we can leverage that money by working

54
00:02:13,750 --> 00:02:11,280
with

55
00:02:16,630 --> 00:02:13,760
the commercial industry and through

56
00:02:18,949 --> 00:02:16,640
competition bringing those costs

57
00:02:20,790 --> 00:02:18,959
down to nasa

58
00:02:23,110 --> 00:02:20,800
one of the coolest offerings we've made

59
00:02:25,510 --> 00:02:23,120
available this year for black hole week

60
00:02:27,750 --> 00:02:25,520
is a visualization featuring details

61
00:02:30,869 --> 00:02:27,760
about the best known black hole systems

62
00:02:33,190 --> 00:02:30,879
in our milky way galaxy and its neighbor

63
00:02:36,309 --> 00:02:33,200

the large magellanic cloud the

64
00:02:39,430 --> 00:02:36,319
visualization presents 22 x-ray binary

65
00:02:41,589 --> 00:02:39,440
systems that host confirmed black holes

66
00:02:43,589 --> 00:02:41,599
they are depicted as seen from earth

67
00:02:45,990 --> 00:02:43,599
with their orbital motions sped up

68
00:02:47,750 --> 00:02:46,000
faster than normal you can check it out

69
00:02:51,030 --> 00:02:47,760
along with lots of other black hole

70
00:02:52,229 --> 00:02:51,040
features at nasa.gov slash black dash

71
00:02:55,110 --> 00:02:52,239
holds

72
00:02:57,910 --> 00:02:55,120
a new nasa climate simulation suggests

73
00:03:00,149 --> 00:02:57,920
that extremely large volcanic eruptions

74
00:03:02,790 --> 00:03:00,159
called flood basalt eruptions might

75
00:03:05,030 --> 00:03:02,800
significantly warm our climate and

76
00:03:07,350 --> 00:03:05,040
devastate the ozone layer that helps

77
00:03:09,509 --> 00:03:07,360
protect life on earth from the sun's

78
00:03:11,509 --> 00:03:09,519
ultraviolet radiation

79
00:03:13,830 --> 00:03:11,519
this contradicts previous studies

80
00:03:14,790 --> 00:03:13,840
indicating that these volcanoes cool the

81
00:03:17,270 --> 00:03:14,800
climate

82
00:03:19,509 --> 00:03:17,280
the study also suggests that extensive

83
00:03:21,509 --> 00:03:19,519
flood basalt eruptions may have not only

84
00:03:23,030 --> 00:03:21,519
helped warm the climates of mars and

85
00:03:25,430 --> 00:03:23,040
venus too

86
00:03:27,750 --> 00:03:25,440
but could have also doomed the long-term

87
00:03:30,229 --> 00:03:27,760
habitability of those planets by

88
00:03:32,550 --> 00:03:30,239

contributing to water loss

89
00:03:34,710 --> 00:03:32,560
that's what's up this week at nasa for