



TW@N

THIS WEEK @ NASA

1
00:00:04,630 --> 00:00:02,310
replacing a space station communications

2
00:00:07,430 --> 00:00:04,640
antenna another round of testing for our

3
00:00:09,990 --> 00:00:07,440
lunar roving robot and discussing space

4
00:00:11,830 --> 00:00:10,000
policy and priorities a few of the

5
00:00:14,629 --> 00:00:11,840
stories to tell you about this week at

6
00:00:18,630 --> 00:00:16,870
on december 2nd nasa astronauts tom

7
00:00:20,470 --> 00:00:18,640
marshburn and kayla baron ventured

8
00:00:22,550 --> 00:00:20,480
outside the international space station

9
00:00:25,429 --> 00:00:22,560
for a spacewalk to replace a faulty

10
00:00:27,509 --> 00:00:25,439
antenna system the antenna recently lost

11
00:00:29,830 --> 00:00:27,519
its ability to send signals to earth via

12
00:00:32,150 --> 00:00:29,840
nasa's tracking and data relay satellite

13
00:00:34,150 --> 00:00:32,160

system although the antenna's condition

14

00:00:36,630 --> 00:00:34,160

has had limited impact on station

15

00:00:38,790 --> 00:00:36,640

operations mission managers decided to

16

00:00:41,270 --> 00:00:38,800

swap it out with a new antenna to ensure

17

00:00:42,950 --> 00:00:41,280

communications redundancy nasa's

18

00:00:45,350 --> 00:00:42,960

volatiles investigating polar

19

00:00:47,590 --> 00:00:45,360

exploration rover or viper went through

20

00:00:49,270 --> 00:00:47,600

a second round of egress testing at our

21

00:00:51,510 --> 00:00:49,280

johnson space center

22

00:00:54,389 --> 00:00:51,520

similar to a car after a cross-country

23

00:00:56,229 --> 00:00:54,399

trip on an auto transport viper's egress

24

00:00:58,549 --> 00:00:56,239

is the process of the rover making its

25

00:01:00,869 --> 00:00:58,559

way out of the lunar lander and down

26

00:01:02,869 --> 00:01:00,879

onto the surface of the moon albeit

27

00:01:04,070 --> 00:01:02,879

after a much longer journey from earth

28

00:01:06,310 --> 00:01:04,080

to the moon

29

00:01:08,469 --> 00:01:06,320

viper is the agency's first lunar mobile

30

00:01:11,350 --> 00:01:08,479

robot and is scheduled to be delivered

31

00:01:13,109 --> 00:01:11,360

to the moon in late 2023 as part of our

32

00:01:15,590 --> 00:01:13,119

commercial lunar payload services

33

00:01:17,510 --> 00:01:15,600

initiative on december 1st the first

34

00:01:19,590 --> 00:01:17,520

national space council meeting under the

35

00:01:22,469 --> 00:01:19,600

biden harris administration was held at

36

00:01:24,390 --> 00:01:22,479

the u.s institute of peace in washington

37

00:01:26,789 --> 00:01:24,400

in her remarks vice president and

38

00:01:28,950 --> 00:01:26,799

council chair kamala harris touched on

39

00:01:31,590 --> 00:01:28,960

several topics including the need for

40

00:01:33,910 --> 00:01:31,600

global cooperation to help make space

41

00:01:37,109 --> 00:01:33,920

exploration as safe as possible

42

00:01:39,429 --> 00:01:37,119

as activity in space grows

43

00:01:41,830 --> 00:01:39,439

we must reaffirm

44

00:01:43,429 --> 00:01:41,840

yes the rights

45

00:01:46,950 --> 00:01:43,439

of all nations

46

00:01:48,270 --> 00:01:46,960

and we must demand responsibility

47

00:01:52,469 --> 00:01:48,280

from all

48

00:01:59,429 --> 00:01:55,030

we must establish and expand

49

00:02:01,429 --> 00:01:59,439

rules and norms on safety and security

50

00:02:04,230 --> 00:02:01,439

on transparency

51
00:02:06,550 --> 00:02:04,240
and cooperation the event also featured

52
00:02:09,190 --> 00:02:06,560
nasa administrator bill nelson who spoke

53
00:02:11,910 --> 00:02:09,200
about how nasa helps to inspire students

54
00:02:13,990 --> 00:02:11,920
to pursue educations and careers within

55
00:02:17,030 --> 00:02:14,000
a science technology engineering and

56
00:02:18,869 --> 00:02:17,040
mathematics or stem focused area

57
00:02:21,030 --> 00:02:18,879
administrator nelson and deputy

58
00:02:23,110 --> 00:02:21,040
administrator pam melroy visited our

59
00:02:25,910 --> 00:02:23,120
marshall space flight center on november

60
00:02:28,390 --> 00:02:25,920
29th and 30th for a first-hand look at

61
00:02:30,550 --> 00:02:28,400
the center's vital work to advance the

62
00:02:32,070 --> 00:02:30,560
deep space exploration endeavors of our

63
00:02:34,070 --> 00:02:32,080

artemis program

64

00:02:35,910 --> 00:02:34,080

marshall manages the agency's space

65

00:02:38,150 --> 00:02:35,920

launch system rocket which will power

66

00:02:40,630 --> 00:02:38,160

the next generation of exploration under

67

00:02:42,949 --> 00:02:40,640

artemis including uncrewed and crude

68

00:02:45,110 --> 00:02:42,959

flight tests around the moon that will

69

00:02:47,270 --> 00:02:45,120

pave the way for more complex missions

70

00:02:49,430 --> 00:02:47,280

to send astronauts to the moon in

71

00:02:50,790 --> 00:02:49,440

preparation for eventual human missions

72

00:02:53,030 --> 00:02:50,800

to mars

73

00:02:55,110 --> 00:02:53,040

nasa is accepting applications for new

74

00:02:57,110 --> 00:02:55,120

flight directors to lead highly trained

75

00:02:59,350 --> 00:02:57,120

teams during human space flight missions

76

00:03:01,670 --> 00:02:59,360

to the international space station and

77

00:03:03,589 --> 00:03:01,680

upcoming artemis missions to the moon

78

00:03:07,110 --> 00:03:03,599

and eventually the first human missions

79

00:03:11,030 --> 00:03:07,120

to mars qualified u.s citizens can apply

80

00:03:13,030 --> 00:03:11,040

for more details visit [nasa.gov careers](https://nasa.gov/careers)

81

00:03:14,790 --> 00:03:13,040

that's what's up this week at nasa for