



**Vice President
Kamala Harris**
speaks to
**NASA astronaut
Mark Vande Hei**

1
00:00:00,000 --> 00:00:07,110

[Music]

2
00:00:11,509 --> 00:00:09,830

i'm very happy to talk with you and i

3
00:00:13,030 --> 00:00:11,519

just want to tell you what i hope you

4
00:00:16,550 --> 00:00:13,040

know and feel

5
00:00:17,830 --> 00:00:16,560

our nation our our planet is so thankful

6
00:00:20,390 --> 00:00:17,840

to you

7
00:00:22,630 --> 00:00:20,400

for your years of dedicated service

8
00:00:24,950 --> 00:00:22,640

certainly to our country and to your

9
00:00:27,189 --> 00:00:24,960

dedication to such excellence and

10
00:00:29,109 --> 00:00:27,199

welcome home welcome home how are you

11
00:00:33,750 --> 00:00:29,119

doing

12
00:00:35,030 --> 00:00:33,760

kind words and it definitely

13
00:00:36,790 --> 00:00:35,040

felt like a privilege to get the

14

00:00:37,750 --> 00:00:36,800

opportunity to be up in space for that

15

00:00:39,910 --> 00:00:37,760

long so

16

00:00:41,190 --> 00:00:39,920

thanks to the country um for making that

17

00:00:43,190 --> 00:00:41,200

a possibility

18

00:00:46,630 --> 00:00:43,200

tell me you know i i am the proud head

19

00:00:49,670 --> 00:00:46,640

of our nation space council and so i am

20

00:00:53,029 --> 00:00:49,680

um particularly excited

21

00:00:55,470 --> 00:00:53,039

to speak with you and and and so soon

22

00:00:59,910 --> 00:00:55,480

after your return after

23

00:01:02,389 --> 00:00:59,920

355 days in space and i was wondering if

24

00:01:03,430 --> 00:01:02,399

you can just talk with me a little bit

25

00:01:06,070 --> 00:01:03,440

about

26

00:01:07,670 --> 00:01:06,080

what this trip meant in terms of not

27

00:01:09,350 --> 00:01:07,680

only what it meant for you personally in

28

00:01:10,070 --> 00:01:09,360

terms of the experience

29

00:01:12,469 --> 00:01:10,080

but

30

00:01:13,990 --> 00:01:12,479

you were there in search of discovery in

31

00:01:15,429 --> 00:01:14,000

search of science in search of

32

00:01:17,749 --> 00:01:15,439

innovation

33

00:01:19,590 --> 00:01:17,759

and and i'm hoping you might be able to

34

00:01:21,270 --> 00:01:19,600

to talk a little bit about

35

00:01:22,950 --> 00:01:21,280

how that's going to benefit folks on

36

00:01:24,870 --> 00:01:22,960

earth

37

00:01:27,749 --> 00:01:24,880

oh absolutely i can

38

00:01:29,910 --> 00:01:27,759

tell you that there was a

39

00:01:31,670 --> 00:01:29,920

one experiment called celestial immunity

40

00:01:34,950 --> 00:01:31,680

that dealt with

41

00:01:37,109 --> 00:01:34,960

cells donated by young people as well as

42

00:01:38,950 --> 00:01:37,119

older folks that

43

00:01:40,630 --> 00:01:38,960

we were able to inoculate and see how

44

00:01:41,429 --> 00:01:40,640

the immune systems react we're hoping

45

00:01:45,270 --> 00:01:41,439

that

46

00:01:46,630 --> 00:01:45,280

space station helps us better understand

47

00:01:47,830 --> 00:01:46,640

the immune system because of that we've

48

00:01:50,149 --> 00:01:47,840

got

49

00:01:52,230 --> 00:01:50,159

potential to learn about uh better

50

00:01:54,389 --> 00:01:52,240

understand combustion because

51
00:01:56,870 --> 00:01:54,399
because it behaves differently in space

52
00:01:59,350 --> 00:01:56,880
and that potentially will help us have

53
00:02:01,429 --> 00:01:59,360
systems on the ground that that work

54
00:02:02,630 --> 00:02:01,439
providing or using energy but with less

55
00:02:04,950 --> 00:02:02,640
pollution

56
00:02:05,749 --> 00:02:04,960
certainly being in space i hope

57
00:02:07,830 --> 00:02:05,759
uh

58
00:02:09,669 --> 00:02:07,840
inspires a lot of young people

59
00:02:11,830 --> 00:02:09,679
to want to go ahead and continue their

60
00:02:12,949 --> 00:02:11,840
studies because that's so essential to

61
00:02:15,430 --> 00:02:12,959
being able to participate in our

62
00:02:16,390 --> 00:02:15,440
nation's post space program in so many

63
00:02:19,270 --> 00:02:16,400

ways

64

00:02:21,910 --> 00:02:19,280

can you talk a bit about the artemis and

65

00:02:23,110 --> 00:02:21,920

moon mission and how how folks should

66

00:02:25,830 --> 00:02:23,120

think about

67

00:02:27,670 --> 00:02:25,840

what it is but also the potential it has

68

00:02:30,070 --> 00:02:27,680

created

69

00:02:31,750 --> 00:02:30,080

absolutely i i really am looking forward

70

00:02:33,750 --> 00:02:31,760

to a time when we've got

71

00:02:35,750 --> 00:02:33,760

continuous human presence

72

00:02:37,750 --> 00:02:35,760

on another planetary object we've been

73

00:02:39,430 --> 00:02:37,760

on the moon but we've never stayed we've

74

00:02:42,550 --> 00:02:39,440

been in low earth orbit for more than 20

75

00:02:45,110 --> 00:02:42,560

years so we know how to stay in space we

76

00:02:46,470 --> 00:02:45,120

do not yet know how to use the resources

77

00:02:48,630 --> 00:02:46,480

of another planetary object like the

78

00:02:51,190 --> 00:02:48,640

moon and doing that going back to the

79

00:02:53,910 --> 00:02:51,200

moon it's going to be a huge leap for

80

00:02:55,670 --> 00:02:53,920

humanity and in the process

81

00:02:59,430 --> 00:02:55,680

it'll give us a tremendous amount of

82

00:03:02,830 --> 00:02:59,440

knowledge about how to survive on mars

83

00:03:06,309 --> 00:03:02,840

and the average length of time we

84

00:03:09,110 --> 00:03:06,319

think it could take to get from earth

85

00:03:13,390 --> 00:03:09,120

to mars could be as much as six months

86

00:03:15,430 --> 00:03:13,400

and so your record-breaking

87

00:03:17,030 --> 00:03:15,440

355 days

88

00:03:19,110 --> 00:03:17,040

in space

89

00:03:22,070 --> 00:03:19,120

really puts us on the path of

90

00:03:25,910 --> 00:03:22,080

understanding what travel to mars

91

00:03:27,990 --> 00:03:25,920

would require of a human being huh

92

00:03:29,670 --> 00:03:28,000

absolutely and i think the flight to

93

00:03:31,990 --> 00:03:29,680

mars and back i suspect will be even

94

00:03:34,390 --> 00:03:32,000

longer than that so my hope is that the

95

00:03:35,270 --> 00:03:34,400

record that the team achieved with my

96

00:03:37,270 --> 00:03:35,280

flight

97

00:03:40,149 --> 00:03:37,280

is something that gets broken

98

00:03:42,149 --> 00:03:40,159

pretty quickly as we get better and

99

00:03:44,309 --> 00:03:42,159

better understanding of how to keep a

100

00:03:46,630 --> 00:03:44,319

human being healthy and able to function

101
00:03:48,789 --> 00:03:46,640
when they get someplace else and

102
00:03:50,949 --> 00:03:48,799
honestly some of my flight as soon as i

103
00:03:53,270 --> 00:03:50,959
landed in kazakhstan within the first

104
00:03:54,149 --> 00:03:53,280
hour of being there i was doing some

105
00:03:57,270 --> 00:03:54,159
tests

106
00:03:59,270 --> 00:03:57,280
to see what type of capabilities i had

107
00:04:01,350 --> 00:03:59,280
before getting any medical attention

108
00:04:02,869 --> 00:04:01,360
before taking any medicine so we're

109
00:04:04,630 --> 00:04:02,879
trying to understand what we can expect

110
00:04:05,670 --> 00:04:04,640
of people because when they get to mars

111
00:04:08,789 --> 00:04:05,680
they're not going to have a medical

112
00:04:14,309 --> 00:04:11,350
well i've read about your career and you

113
00:04:16,390 --> 00:04:14,319

have been quite dedicated to our country

114

00:04:19,830 --> 00:04:16,400

and and to all of this work and thank

115

00:04:22,150 --> 00:04:19,840

you for that and and please enjoy a a

116

00:04:25,590 --> 00:04:22,160

peaceful a restful

117

00:04:28,710 --> 00:04:25,600

return to earth and um and please thank

118

00:04:31,189 --> 00:04:28,720

your family for me for our country

119

00:04:33,189 --> 00:04:31,199

on behalf of the president um on behalf

120

00:04:35,430 --> 00:04:33,199

of all of us for for the work and the

121

00:04:37,830 --> 00:04:35,440

sacrifices they have also made

122

00:04:39,990 --> 00:04:37,840

um but we couldn't be more proud and so

123

00:04:41,670 --> 00:04:40,000

welcome home and thank you again

124

00:04:42,890 --> 00:04:41,680

thank you very very much

125

00:04:45,350 --> 00:04:42,900

take care bye-bye

