



1
00:00:08,790 --> 00:00:05,030
discovery international space station

2
00:00:14,470 --> 00:00:08,800
the president of the united states

3
00:00:17,990 --> 00:00:15,910
president welcome aboard the

4
00:00:19,910 --> 00:00:18,000
international space station where we're

5
00:00:22,310 --> 00:00:19,920
joined with our uh

6
00:00:24,470 --> 00:00:22,320
international uh crew from this uh space

7
00:00:25,830 --> 00:00:24,480
shuttle discovery welcome aboard glad to

8
00:00:28,310 --> 00:00:25,840
hear your voice we hear you loud and

9
00:00:30,950 --> 00:00:28,320
clear sir

10
00:00:32,790 --> 00:00:30,960
well thank you so much for

11
00:00:33,910 --> 00:00:32,800
uh taking the time to speak with us

12
00:00:35,990 --> 00:00:33,920
we've got

13
00:00:36,709 --> 00:00:36,000

a crew of wonderful

14

00:00:38,549 --> 00:00:36,719

uh

15

00:00:41,590 --> 00:00:38,559

school children here who are all

16

00:00:43,830 --> 00:00:41,600

interested in space and we've got uh

17

00:00:45,910 --> 00:00:43,840

some members of congress who are like

18

00:00:47,590 --> 00:00:45,920

big kids when it comes to talking to

19

00:00:49,750 --> 00:00:47,600

astronauts

20

00:00:53,990 --> 00:00:49,760

uh i i'm told that you're cruising at

21

00:00:55,510 --> 00:00:54,000

about 17 000 miles per hour so we're

22

00:01:04,149 --> 00:00:55,520

glad that uh

23

00:01:09,109 --> 00:01:06,390

mr president we go around the planet

24

00:01:11,030 --> 00:01:09,119

once every 90 minutes it's quite a quite

25

00:01:17,190 --> 00:01:11,040

a thrill and it is very fast and we see

26

00:01:20,789 --> 00:01:19,270

that that is unbelievable well the the

27

00:01:23,030 --> 00:01:20,799

first thing we want to do is just let

28

00:01:25,270 --> 00:01:23,040

you know how proud we are of you

29

00:01:26,550 --> 00:01:25,280

uh i've got to say especially

30

00:01:33,590 --> 00:01:26,560

once i found out that you're from

31

00:01:36,789 --> 00:01:35,109

the president was a beautiful place to

32

00:01:39,670 --> 00:01:36,799

grow up and i have a lot of roots that

33

00:01:43,670 --> 00:01:42,230

well that's great the uh

34

00:01:46,069 --> 00:01:43,680

we are

35

00:01:48,069 --> 00:01:46,079

uh really excited about the project that

36

00:01:50,310 --> 00:01:48,079

you're doing my understanding is that

37

00:01:52,950 --> 00:01:50,320

you are installing

38

00:01:54,469 --> 00:01:52,960

uh some additional solar panels on the

39

00:01:57,109 --> 00:01:54,479

space station

40

00:01:58,950 --> 00:01:57,119

and that's actually going to increase

41

00:02:01,109 --> 00:01:58,960

the number of

42

00:02:05,910 --> 00:02:01,119

people that can work out of the space

43

00:02:09,430 --> 00:02:07,910

sir that's correct we've roughly doubled

44

00:02:11,190 --> 00:02:09,440

the amount of

45

00:02:12,630 --> 00:02:11,200

of solar power available for

46

00:02:14,309 --> 00:02:12,640

experimentation

47

00:02:16,710 --> 00:02:14,319

and for supporting a larger crew and we

48

00:02:18,309 --> 00:02:16,720

hope to go to a crew of six and a more

49

00:02:21,510 --> 00:02:18,319

aggressive experimental program this

50

00:02:24,869 --> 00:02:23,030

well this is really exciting because

51
00:02:26,390 --> 00:02:24,879
we're uh

52
00:02:29,190 --> 00:02:26,400
investing

53
00:02:32,229 --> 00:02:29,200
back here on uh on the ground

54
00:02:34,470 --> 00:02:32,239
a whole array of solar

55
00:02:37,430 --> 00:02:34,480
and other renewable energy projects and

56
00:02:39,910 --> 00:02:37,440
so to find out that you're doing this

57
00:02:42,710 --> 00:02:39,920
up at the space station is

58
00:02:45,110 --> 00:02:42,720
particularly exciting can can i ask

59
00:02:46,710 --> 00:02:45,120
how exactly do you end up

60
00:02:49,190 --> 00:02:46,720
installing

61
00:02:50,790 --> 00:02:49,200
these solar panels what's involved

62
00:02:56,229 --> 00:02:50,800
somebody want to give us a rundown on

63
00:03:02,390 --> 00:02:59,270

yes sir first it comes up on a truss

64

00:03:04,949 --> 00:03:02,400

segment which is about five feet long we

65

00:03:06,790 --> 00:03:04,959

use a robotic arm arm to attach it to

66

00:03:09,509 --> 00:03:06,800

the end of another chest segment and

67

00:03:13,270 --> 00:03:09,519

then once that's attached and bolted on

68

00:03:16,390 --> 00:03:13,280

to space walks then we'll go ahead and

69

00:03:18,309 --> 00:03:16,400

unfurl or actually deploy the

70

00:03:20,390 --> 00:03:18,319

solar arrays in this position so that we

71

00:03:23,830 --> 00:03:20,400

can unfurl them from inside during the

72

00:03:23,840 --> 00:03:30,869

how about how long does it take

73

00:03:34,789 --> 00:03:32,789

spacewalk you put it all together about

74

00:03:36,949 --> 00:03:34,799

six hours but to actually do the

75

00:03:39,910 --> 00:03:36,959

commanding to actually deploy them out

76

00:03:44,309 --> 00:03:39,920

to their full length only takes about

77

00:03:47,190 --> 00:03:46,309

well obviously we're we're really proud

78

00:03:49,990 --> 00:03:47,200

about

79

00:03:52,309 --> 00:03:50,000

uh the extraordinary work that uh our

80

00:03:53,190 --> 00:03:52,319

american astronauts are doing uh you

81

00:03:55,509 --> 00:03:53,200

know

82

00:03:57,429 --> 00:03:55,519

you are a representative of the

83

00:04:00,470 --> 00:03:57,439

dedication and

84

00:04:02,390 --> 00:04:00,480

uh sense of adventure and discovery that

85

00:04:03,830 --> 00:04:02,400

you know we're so proud of but one of

86

00:04:06,070 --> 00:04:03,840

the things that's wonderful about this

87

00:04:08,390 --> 00:04:06,080

is that it is an international space

88

00:04:11,830 --> 00:04:08,400

station and i know that we have our

89

00:04:14,949 --> 00:04:11,840

uh japanese and uh russian

90

00:04:15,990 --> 00:04:14,959

counterparts on board as well we'd love

91

00:04:19,830 --> 00:04:16,000

to

92

00:04:21,909 --> 00:04:19,840

uh hope that

93

00:04:23,990 --> 00:04:21,919

that this is an example of the kind of

94

00:04:24,950 --> 00:04:24,000

spirit of cooperation that

95

00:04:26,710 --> 00:04:24,960

uh

96

00:04:27,830 --> 00:04:26,720

you know we can apply not just in space

97

00:04:33,990 --> 00:04:27,840

but

98

00:04:37,350 --> 00:04:35,510

yeah it's an honor to

99

00:04:39,189 --> 00:04:37,360

have a chance to talk with you mr

100

00:04:41,030 --> 00:04:39,199

president

101

00:04:43,830 --> 00:04:41,040

we have a russian crew member american

102

00:04:46,230 --> 00:04:43,840

crew member and i'm from japan and we

103

00:04:48,310 --> 00:04:46,240

have 15 countries working together in

104

00:04:50,310 --> 00:04:48,320

this wonderful project national space

105

00:04:52,870 --> 00:04:50,320

station as well as on the ground in

106

00:04:55,749 --> 00:04:52,880

space and this really symbolized the

107

00:04:57,909 --> 00:04:55,759

future of the scientific development of