

Б 1 2

ДУС 1 2 3

Р 1 4 3

С 1 . 7 6 6 0 1

X 0 . 0 1 7

Y 0 . 0 0 8

Z 0 . 0 6 1

КУРС 2

$\gamma$  3 . 7 3

$\psi$  - 0 . 1 3

$\theta$  - 0 . 4 8

$\psi \Pi$  - 0 . 0 7

$\theta \Pi$  0 . 2 0

$\rho$  0 . 0 2 3

$\dot{\rho}$  - 0 . 1 2

$\Phi$   $\rho$  0 . 0 2 6 КМ 0 Y 0 . 0 0 3 0 . 0 0 0

1  
00:00:06,950 --> 00:00:02,950  
six

2  
00:00:09,270 --> 00:00:06,960  
big this

3  
00:00:10,629 --> 00:00:09,280  
just enormous orbiting complex is when

4  
00:00:12,390 --> 00:00:10,639  
you think of being down here on the

5  
00:00:14,070 --> 00:00:12,400  
ground and looking at something that's

6  
00:00:15,749 --> 00:00:14,080  
more than two miles away and you see

7  
00:00:17,109 --> 00:00:15,759  
exactly how big it is there in the

8  
00:00:19,029 --> 00:00:17,119  
viewfinder

9  
00:00:20,710 --> 00:00:19,039  
for the crew those solar panels are just

10  
00:00:22,870 --> 00:00:20,720  
absolutely huge they're

11  
00:00:25,830 --> 00:00:22,880  
357 feet

12  
00:00:28,870 --> 00:00:25,840  
across and they are 240 feet feet from

13  
00:00:32,470 --> 00:00:30,230

the spacecraft weighs about a million

14

00:00:34,709 --> 00:00:32,480

pounds

15

00:00:36,630 --> 00:00:34,719

and coming up for expedition 35 and 36

16

00:00:39,030 --> 00:00:36,640

they will have more than 200 experiments

17

00:00:40,150 --> 00:00:39,040

taking place on board with more than 400

18

00:00:45,270 --> 00:00:40,160

scientists

19

00:00:49,350 --> 00:00:47,750

so this expedition for all six of these

20

00:00:50,310 --> 00:00:49,360

crew members promises to be extremely

21

00:00:52,229 --> 00:00:50,320

busy

22

00:00:54,709 --> 00:00:52,239

and uh very productive both in terms of

23

00:00:56,150 --> 00:00:54,719

operations and science

24

00:00:58,389 --> 00:00:56,160

now just two and a half kilometers

25

00:01:00,869 --> 00:00:58,399

between these two spacecraft

26

00:01:03,830 --> 00:01:00,879

five eight meters that's about a mile

27

00:01:07,109 --> 00:01:03,840

and a half six decimal 62 meters per

28

00:01:25,109 --> 00:01:09,990

a range 485 meters

29

00:01:29,030 --> 00:01:27,510

the soyuz 34 continuing to close in on

30

00:01:31,030 --> 00:01:29,040

the international space station parts of

31

00:01:32,710 --> 00:01:31,040

the russian segment and the trust

32

00:01:38,710 --> 00:01:32,720

of the international space station very

33

00:01:38,720 --> 00:01:49,270

college

34

00:01:49,280 --> 00:02:06,630

is

35

00:02:06,640 --> 00:02:20,390

foreign

36

00:02:35,990 --> 00:02:22,229

so please get ready we're about to

37

00:02:39,190 --> 00:02:37,830

the visiting vehicle officer here inside

38

00:02:44,630 --> 00:02:39,200

mission control has confirmed that the

39

00:02:48,390 --> 00:02:46,630

this is the sort of final

40

00:02:49,830 --> 00:02:48,400

stop before the soyuz begins final

41

00:02:51,190 --> 00:02:49,840

approach to the station which should be

42

00:02:54,790 --> 00:02:51,200

in a little less than four minutes from

43

00:02:58,470 --> 00:02:56,630

there's a look at the soyuz 34 from the

44

00:03:00,390 --> 00:02:58,480

space station's cameras as it continues

45

00:03:01,830 --> 00:03:00,400

to close in

46

00:03:03,430 --> 00:03:01,840

these two vehicles are traveling high

47

00:03:04,949 --> 00:03:03,440

above the south pacific ocean currently

48

00:03:24,630 --> 00:03:04,959

just to the west of

49

00:03:24,640 --> 00:03:42,070

120 meters between the two vehicles now

50

00:04:10,550 --> 00:03:44,229

110 meters

51

00:04:10,560 --> 00:04:34,310

around

52

00:04:37,909 --> 00:04:35,830

the international space station and the

53

00:04:39,830 --> 00:04:37,919

soyuz 34 as it continues to close and

54

00:04:41,670 --> 00:04:39,840

everything looking good

55

00:04:44,070 --> 00:04:41,680

both vehicles currently in the dark high

56

00:04:45,909 --> 00:04:44,080

above the south pacific ocean about to

57

00:04:53,909 --> 00:04:45,919

head toward the northeast approaching

58

00:05:05,749 --> 00:04:57,430

together the indicator of the car is on

59

00:05:19,029 --> 00:05:07,830

i don't understand this thing with this

60

00:05:19,039 --> 00:05:27,189

copy

61

00:05:27,199 --> 00:05:41,909

foreign

62

00:05:46,469 --> 00:05:43,830

i understand that you need to

63

00:05:48,629 --> 00:05:46,479

stay really calm and cool working with

64

00:05:55,110 --> 00:05:48,639

this machine

65

00:05:55,120 --> 00:06:12,629

it used to be like this for the irb

66

00:06:12,639 --> 00:07:00,830

foreign

67

00:07:23,270 --> 00:07:03,830

is you know 7 meters range rate zero

68

00:07:26,230 --> 00:07:24,790

just a few meters now in between the

69

00:07:27,589 --> 00:07:26,240

soyuz and the international space

70

00:07:41,589 --> 00:07:27,599

station standing by for contact and

71

00:07:41,599 --> 00:07:56,150

the center

72

00:07:56,160 --> 00:08:05,110

wait

73

00:08:11,110 --> 00:08:07,990

contact and capture confirmed at 9 28 pm

74

00:08:12,790 --> 00:08:11,120

central time 10 28 pm eastern time the

75

00:08:14,070 --> 00:08:12,800

two vehicles flying high above the

76

00:08:15,909 --> 00:08:14,080

pacific ocean

77

00:08:18,150 --> 00:08:15,919

just to the west of peru once again

78

00:08:20,230 --> 00:08:18,160

chris cassidy alexander misurkin and

79

00:08:22,230 --> 00:08:20,240

pavel vinogradov have arrived at the

80

00:08:24,869 --> 00:08:22,240

international space station