

Ф44 ОБЛИЖЕНИЕ T=14:54:48

ПРИЧАЯ ПРИЧ МСК ГСО 1234

Б1 ВХ -0,817%

ДУС12 1 ВУ 0,844%

Р 224,5 ССВП П ОZ 0,819%

С1.76601 КУРС 1

7 0,88°

8 -0,17°

9 -0,56°

УП 0,25°

9П 0,21°

Р 0,823

Р -0,14

Р 0,826кн ΩУ 0,838 0,848

Р -0,14н/с ΩZ -0,846 -0,845

1  
00:00:07,349 --> 00:00:05,030  
an unpiloted russian cargo ship made an

2  
00:00:09,430 --> 00:00:07,359  
automated docking at the aft port of the

3  
00:00:11,749 --> 00:00:09,440  
zvezda service module of the

4  
00:00:14,390 --> 00:00:11,759  
international space station on september

5  
00:00:17,349 --> 00:00:14,400  
12th delivering two and a half tons of

6  
00:00:21,269 --> 00:00:17,359  
food fuel and supplies for the six crew

7  
00:00:24,310 --> 00:00:21,279  
members on board the iss progress 39

8  
00:00:27,750 --> 00:00:24,320  
resupply vehicle linked up to zvezda at

9  
00:00:29,669 --> 00:00:27,760  
7 58 a.m eastern daylight time

10  
00:00:56,950 --> 00:00:29,679  
two days after its launch from the

11  
00:01:01,590 --> 00:01:00,069  
dampen the rate 0.2 for

12  
00:01:03,750 --> 00:01:01,600  
range rate

13  
00:01:05,670 --> 00:01:03,760

standing by for

14

00:01:22,550 --> 00:01:05,680

antenna retraction

15

00:01:28,550 --> 00:01:24,550

uh don't listen it's true range right

16

00:01:37,749 --> 00:01:30,310

about 47

17

00:01:43,270 --> 00:01:40,789

but um based from the um

18

00:01:44,710 --> 00:01:43,280

you can see the crosshair docking target

19

00:01:46,389 --> 00:01:44,720

coming into alignment with the

20

00:01:48,710 --> 00:01:46,399

crosshairs on the external engineering

21

00:01:51,270 --> 00:01:48,720

camera on the progress vehicle itself

22

00:01:53,749 --> 00:01:51,280

just above that is the docking port at

23

00:01:55,030 --> 00:01:53,759

the aft end of the zvezda service module

24

00:01:57,510 --> 00:01:55,040

right now

25

00:02:00,389 --> 00:01:57,520

to the docking interface

26  
00:02:02,069 --> 00:02:00,399  
or two squares copy two squares or 32

27  
00:02:03,350 --> 00:02:02,079  
meters

28  
00:02:04,709 --> 00:02:03,360  
and i'm

29  
00:02:17,750 --> 00:02:04,719  
ready

30  
00:02:21,350 --> 00:02:20,390  
very good everything's nominal and sasha

31  
00:02:23,510 --> 00:02:21,360  
can you

32  
00:02:26,390 --> 00:02:23,520  
tell me what your assessment is of the

33  
00:02:40,309 --> 00:02:28,790  
okay and assessment is in progress at

34  
00:02:44,309 --> 00:02:42,150  
progress 39 cargo craft in the

35  
00:02:46,710 --> 00:02:44,319  
international space station now closing

36  
00:02:53,030 --> 00:02:46,720  
at a rate of just over one tenth of a

37  
00:02:56,790 --> 00:02:54,710  
the progress in the station uh soon to

38  
00:02:59,030 --> 00:02:56,800

cross uh the border

39

00:03:02,710 --> 00:02:59,040

between eastern kazakhstan and western

40

00:03:05,430 --> 00:03:02,720

mongolia and crosshairs are aligned copy

41

00:03:08,390 --> 00:03:05,440

everything's nominal

42

00:03:12,309 --> 00:03:08,400

range rate visually

43

00:03:15,190 --> 00:03:12,319

corresponds to the same as shown about

44

00:03:30,309 --> 00:03:15,200

decimal one four decimal one five

45

00:03:35,750 --> 00:03:32,229

and could you give us that in squares as

46

00:03:38,550 --> 00:03:35,760

well yeah target is one

47

00:03:53,910 --> 00:03:38,560

one square or which is 19 meters

48

00:03:53,920 --> 00:04:10,070

copy

49

00:04:15,350 --> 00:04:13,830

interface and the crosshairs are aligned

50

00:04:17,749 --> 00:04:15,360

it kind of

51  
00:04:19,110 --> 00:04:17,759  
arranges a little bit

52  
00:04:29,189 --> 00:04:19,120  
pitch-wise

53  
00:04:34,310 --> 00:04:31,030  
and do you have a good

54  
00:04:35,990 --> 00:04:34,320  
visual on the crosshairs yes i have very

55  
00:04:39,350 --> 00:04:36,000  
good visual on the crosshairs and the

56  
00:04:43,110 --> 00:04:39,360  
range is 10 meters copy just 10 meters

57  
00:04:45,830 --> 00:04:43,120  
separating the two craft

58  
00:04:47,350 --> 00:04:45,840  
all of this continuing to go by the book

59  
00:04:50,550 --> 00:04:47,360  
through an automated approach of the

60  
00:04:53,350 --> 00:04:50,560  
progress 39 cargo craft

61  
00:04:55,670 --> 00:04:53,360  
and uh from the electronics

62  
00:04:59,270 --> 00:04:55,680  
it's about um

63  
00:05:01,350 --> 00:04:59,280

eighth of a square copy

64

00:05:03,670 --> 00:05:01,360

and the range rate

65

00:05:06,070 --> 00:05:03,680

uh is about

66

00:05:15,990 --> 00:05:06,080

zero decimal one three two zero decimal

67

00:05:19,990 --> 00:05:17,670

moving toward the envelope of the

68

00:05:23,590 --> 00:05:20,000

docking target itself seven meters

69

00:05:26,070 --> 00:05:23,600

separating the progress from its port

70

00:05:29,590 --> 00:05:26,080

range is seven meters we copy seven

71

00:05:32,790 --> 00:05:30,710

and um

72

00:05:34,070 --> 00:05:32,800

i can confirm that the range rate is

73

00:05:43,909 --> 00:05:34,080

about

74

00:05:45,990 --> 00:05:43,919

of a meter per second

75

00:05:47,350 --> 00:05:46,000

everything is nominal

76

00:05:51,430 --> 00:05:47,360

and

77

00:05:52,710 --> 00:05:51,440

basically

78

00:05:55,270 --> 00:05:52,720

matched up

79

00:06:00,950 --> 00:05:55,280

the crosshairs are at the center

80

00:06:03,909 --> 00:06:02,950

and range rate is

81

00:06:08,950 --> 00:06:03,919

about

82

00:06:12,629 --> 00:06:10,710

just a handful of meters separating the

83

00:06:14,150 --> 00:06:12,639

progress from zvezda standing by for

84

00:06:17,270 --> 00:06:14,160

contact and capture

85

00:06:27,430 --> 00:06:17,280

zero decimal one for range rate

86

00:06:27,440 --> 00:06:46,790

yes and we can from moscow

87

00:06:51,830 --> 00:06:49,110

a textbook approach in rendezvous for

88

00:06:53,430 --> 00:06:51,840

the progress 39 cargo craft delivering