

Фазы СБЛИЖЕНИЕ T=14 55 20
 ПИЧАЛ ПРИЧИНЕ БЛОК ГСО 1234
 БАЗА АР 0х-0,017%
 ДУС 12 Т 0х 0,028%
 Р 224 А СОВП ГТ 0х 0,070%
 С1.76601 ХУРС 1
 -2,34°
 -0,50°
 9 0,57°
 0п 0,28°
 9п 0,13°
 р 0,020
 р̇ -0,11
 ф р 0,022кн 0,053 0,001
 р -0,1ГН/с Ω2-0,056 -0,054

1
00:00:04,950 --> 00:00:03,030
the visiting vehicle officer in mission

2
00:00:07,749 --> 00:00:04,960
control reports that the progress is

3
00:00:12,950 --> 00:00:07,759
core's uh antenna has uh retracted as

4
00:00:16,150 --> 00:00:14,470
actually we send the command we're

5
00:00:17,910 --> 00:00:16,160
standing by for the international space

6
00:00:20,390 --> 00:00:17,920
station and the progress are now

7
00:00:22,390 --> 00:00:20,400
currently traveling 216 statute miles

8
00:00:35,350 --> 00:00:22,400
over the border of southern russia and

9
00:00:39,590 --> 00:00:37,270
the progress docking mechanism now

10
00:00:40,950 --> 00:00:39,600
powered up everything in readiness for

11
00:00:43,350 --> 00:00:40,960
the arrival of the

12
00:00:45,590 --> 00:00:43,360
latest cargo ship

13
00:00:47,430 --> 00:00:45,600

through automated commanding for its

14

00:00:50,709 --> 00:00:47,440

docking coming up but just a few minutes

15

00:00:50,719 --> 00:00:54,630

meters we're standing by

16

00:00:54,640 --> 00:00:56,950

four

17

00:00:56,960 --> 00:01:01,510

back out on the plus x axis

18

00:01:01,520 --> 00:01:18,870

just in case poppy and i'm ready

19

00:01:31,109 --> 00:01:20,710

about 47

20

00:01:35,030 --> 00:01:33,590

you can see the crosshair docking target

21

00:01:36,789 --> 00:01:35,040

coming into alignment with the

22

00:01:39,030 --> 00:01:36,799

crosshairs on the external engineering

23

00:01:41,590 --> 00:01:39,040

camera on the progress vehicle itself

24

00:01:44,069 --> 00:01:41,600

just above that is the docking port at

25

00:01:45,429 --> 00:01:44,079

the aft end of the zvezda service module

26

00:01:47,830 --> 00:01:45,439

right now

27

00:01:50,710 --> 00:01:47,840

to the docking interface

28

00:01:52,469 --> 00:01:50,720

or two squares copy two squares or 32

29

00:01:53,670 --> 00:01:52,479

meters

30

00:01:55,030 --> 00:01:53,680

and

31

00:02:00,069 --> 00:01:55,040

ready

32

00:02:03,910 --> 00:02:02,630

operation and then

33

00:02:08,150 --> 00:02:03,920

plus x

34

00:02:11,670 --> 00:02:10,710

very good everything's nominal and sasha

35

00:02:13,830 --> 00:02:11,680

can you

36

00:02:16,790 --> 00:02:13,840

tell me what your assessment is of the

37

00:02:30,630 --> 00:02:19,190

okay and assessment is in progress at

38

00:02:34,630 --> 00:02:32,550

progress 39 cargo craft in the

39

00:02:37,110 --> 00:02:34,640

international space station now closing

40

00:02:43,350 --> 00:02:37,120

at a rate of just over one tenth of a

41

00:02:47,110 --> 00:02:45,030

the progress in the station soon to

42

00:02:49,430 --> 00:02:47,120

cross the border

43

00:02:50,630 --> 00:02:49,440

between eastern kazakhstan and western

44

00:02:53,030 --> 00:02:50,640

mongolia

45

00:02:55,830 --> 00:02:53,040

crosshairs are aligned copy

46

00:02:56,949 --> 00:02:55,840

everything is nominal

47

00:02:58,710 --> 00:02:56,959

range rate

48

00:03:02,630 --> 00:02:58,720

visually

49

00:03:05,589 --> 00:03:02,640

corresponds to the same as shown about

50

00:03:08,790 --> 00:03:05,599

decimal 1 4 decimal 1 5.

51
00:03:08,800 --> 00:03:16,630
about 21 meters copy

52
00:03:16,640 --> 00:03:20,710
19

53
00:03:23,270 --> 00:03:22,550
and could you give us that in squares as

54
00:03:26,070 --> 00:03:23,280
well

55
00:03:28,869 --> 00:03:26,080
yeah target is one

56
00:03:44,229 --> 00:03:28,879
one square which is 19 meters

57
00:03:44,239 --> 00:03:57,910
hopping

58
00:04:02,470 --> 00:03:59,830
on

59
00:04:04,149 --> 00:04:02,480
the docking interface and the crosshairs

60
00:04:05,750 --> 00:04:04,159
are aligned

61
00:04:07,750 --> 00:04:05,760
it kind of

62
00:04:09,509 --> 00:04:07,760
arranges a little bit

63
00:04:19,509 --> 00:04:09,519

uh pitch-wise

64

00:04:24,629 --> 00:04:21,430

and do you have a good

65

00:04:26,310 --> 00:04:24,639

visual on the crosshairs yes i have very

66

00:04:29,749 --> 00:04:26,320

good visual on the crosshairs and the

67

00:04:33,430 --> 00:04:29,759

range is 10 meters happy just 10 meters

68

00:04:37,749 --> 00:04:36,230

all of this continuing to go by the book

69

00:04:40,870 --> 00:04:37,759

through an automated approach of the

70

00:04:43,670 --> 00:04:40,880

progress 39 cargo craft

71

00:04:45,990 --> 00:04:43,680

and uh from the electronics

72

00:04:49,670 --> 00:04:46,000

it's about um

73

00:04:51,990 --> 00:04:49,680

eighth of a square copy

74

00:04:53,990 --> 00:04:52,000

and the range rate

75

00:04:56,390 --> 00:04:54,000

is about

76
00:04:58,070 --> 00:04:56,400
zero decimal one three to zero decimal

77
00:05:03,110 --> 00:04:58,080
one four we copy

78
00:05:03,120 --> 00:05:06,310
seven and a half meters

79
00:05:10,310 --> 00:05:07,990
moving toward the envelope of the

80
00:05:13,990 --> 00:05:10,320
docking target itself seven meters

81
00:05:16,390 --> 00:05:14,000
separating the progress from its port

82
00:05:19,990 --> 00:05:16,400
range is seven meters we copy seven

83
00:05:23,110 --> 00:05:21,029
and um

84
00:05:24,469 --> 00:05:23,120
i can confirm that the range rate is

85
00:05:33,110 --> 00:05:24,479
about

86
00:05:34,790 --> 00:05:33,120
of a meter per second

87
00:05:36,310 --> 00:05:34,800
crosshairs are aligned everything is

88
00:05:37,749 --> 00:05:36,320

nominal

89

00:05:41,749 --> 00:05:37,759

and

90

00:05:43,110 --> 00:05:41,759

basically

91

00:05:45,670 --> 00:05:43,120

matched up

92

00:05:51,350 --> 00:05:45,680

the crosshairs are at the center

93

00:05:54,310 --> 00:05:53,270

and range rate is

94

00:05:56,309 --> 00:05:54,320

about

95

00:05:59,270 --> 00:05:56,319

zero decimal one

96

00:06:02,950 --> 00:06:01,029

just a handful of meters separating the

97

00:06:04,469 --> 00:06:02,960

progress from zvezda standing by for

98

00:06:07,590 --> 00:06:04,479

contact and capture

99

00:06:09,749 --> 00:06:07,600

is there a decimal one for range rate

100

00:06:13,110 --> 00:06:09,759

copy

101

00:06:18,710 --> 00:06:16,230

everything is nominal

102

00:06:26,870 --> 00:06:18,720

one meter sasha yes and we can from

103

00:06:26,880 --> 00:06:32,790

and we have contacts

104

00:06:39,590 --> 00:06:35,749

copy and we see contact and capture

105

00:06:44,950 --> 00:06:42,150

docking occurring at 6 58 a.m central

106

00:06:50,469 --> 00:06:44,960

time right on the money over mongolia at

107

00:06:55,510 --> 00:06:52,870

a textbook approach in rendezvous for

108

00:06:57,110 --> 00:06:55,520

the progress 39 cargo craft delivering