

Ф44 СБЛИЖЕНИЕ
ПРИЧАЛ ПРИЧАЛ
Б1
ДУС12 1
Р 150,4
С1:76601

Т=20:51:17
ЛСК ГСО 1234
0X-0,009%
0Y-0,026%
0Z-0,070%
КУРС 1

γ -0,32°
u -0,58°
φ -0,36°
ψπ -0,53°
φπ -0,34°
ρ 0,049
ρV -0,22

φ ρ 0,051 км ΩY -0,039 -0,039
ρ -0,23 м/с ΩZ 0,042 0,046

1
00:00:04,950 --> 00:00:03,110
good reports from yuri malenchenko

2
00:00:07,190 --> 00:00:04,960
monitoring the approach of the progress

3
00:00:08,870 --> 00:00:07,200
from the zvezda service module

4
00:00:11,509 --> 00:00:08,880
at the international space station and

5
00:00:15,509 --> 00:00:11,519
the progress flying 250 miles over the

6
00:00:20,070 --> 00:00:17,750
this progress resupply ship will remain

7
00:00:22,870 --> 00:00:20,080
attached to the aft port of the zvezda

8
00:00:25,189 --> 00:00:22,880
service module for about six months

9
00:00:27,349 --> 00:00:25,199
providing maneuverability reboost

10
00:00:41,750 --> 00:00:27,359
capability if required for the

11
00:00:47,830 --> 00:00:43,670
uh how is your

12
00:00:52,389 --> 00:00:50,630
the final approach has been initiated

13
00:00:55,110 --> 00:00:52,399

progress moving in right now at about

14

00:00:58,790 --> 00:00:55,120

seven tenths of a meter per second 125

15

00:01:01,189 --> 00:00:58,800

meters separating the two vehicles

16

00:01:03,590 --> 00:01:01,199

we're getting a good image right now a

17

00:01:15,270 --> 00:01:03,600

good view of the docking port copy and

18

00:01:19,270 --> 00:01:18,070

are consistent with the visual reading

19

00:01:21,109 --> 00:01:19,280

of the

20

00:01:28,230 --> 00:01:21,119

station size

21

00:01:32,390 --> 00:01:30,789

this docking port that you're looking at

22

00:01:35,590 --> 00:01:32,400

in this view from the progress's

23

00:01:38,950 --> 00:01:35,600

external camera was vacated this past

24

00:01:41,350 --> 00:01:38,960

wednesday when the 61 progress vehicle

25

00:01:42,950 --> 00:01:41,360

was undocked

26

00:01:45,109 --> 00:01:42,960

since then it has moved to a safe

27

00:01:47,510 --> 00:01:45,119

distance away from the station for

28

00:01:50,069 --> 00:01:47,520

several days of engineering tests by the

29

00:01:52,069 --> 00:01:50,079

russian flight controllers and kariov

30

00:01:54,789 --> 00:01:52,079

it will be deorbited

31

00:02:15,910 --> 00:01:54,799

on friday april 8th to burn up

32

00:02:23,430 --> 00:02:19,110

and perform the abort command uh once we

33

00:02:33,509 --> 00:02:23,440

reach a range of 30 meters

34

00:02:38,309 --> 00:02:36,229

progress continuing a smooth approach

35

00:02:49,509 --> 00:02:38,319

for its docking to the aft port of

36

00:02:49,519 --> 00:03:16,149

inside 70 meters

37

00:03:16,159 --> 00:03:31,190

16

38

00:03:31,200 --> 00:03:36,309

final approach monitoring gary

39

00:03:36,319 --> 00:03:59,670

copy

40

00:03:59,680 --> 00:04:13,509

foreign

41

00:04:18,229 --> 00:04:15,350

everything going very well

42

00:04:20,229 --> 00:04:18,239

some 45 meters separating the two

43

00:04:23,030 --> 00:04:20,239

vehicles the progress is docking

44

00:04:23,909 --> 00:04:23,040

mechanism has now been powered up

45

00:04:25,990 --> 00:04:23,919

visual

46

00:04:28,150 --> 00:04:26,000

very good centered

47

00:04:35,749 --> 00:04:28,160

uh we are not getting a vigil on the

48

00:04:35,759 --> 00:05:08,310

we confirm this is uh ready status

49

00:05:12,390 --> 00:05:10,550

the space station and progress about to

50

00:05:14,150 --> 00:05:12,400

cross the border between ukraine and

51
00:05:17,029 --> 00:05:14,160
southwest russia

52
00:05:19,270 --> 00:05:17,039
at an altitude of 250 statute miles

53
00:05:20,710 --> 00:05:19,280
everything proceeding normally

54
00:05:22,950 --> 00:05:20,720
for the automated docking of the

55
00:05:24,629 --> 00:05:22,960
progress just a few minutes from now to

56
00:05:37,350 --> 00:05:24,639
the aft port of the zvezda service

57
00:05:37,360 --> 00:05:42,550
range 30.

58
00:05:49,189 --> 00:05:44,310
we're getting ready to send command on

59
00:05:53,430 --> 00:05:51,189
once you reach the

60
00:05:55,430 --> 00:05:53,440
range of 30. you will be go to

61
00:06:04,870 --> 00:05:55,440
send comment on page 23. right page 23

62
00:06:04,880 --> 00:06:11,189
range

63
00:06:16,710 --> 00:06:13,590

internal external leds

64

00:06:17,909 --> 00:06:16,720

are on operational mode on o-n four leds

65

00:06:31,990 --> 00:06:17,919

are lit

66

00:06:36,550 --> 00:06:34,469

the core's automated rendezvous system

67

00:06:38,790 --> 00:06:36,560

linking up perfectly with the comparable

68

00:06:40,150 --> 00:06:38,800

system on the aft port of the zvezda

69

00:06:41,590 --> 00:06:40,160

service module

70

00:06:43,590 --> 00:06:41,600

that will align the center of the

71

00:06:44,950 --> 00:06:43,600

crosshairs with the docking target that

72

00:06:46,629 --> 00:06:44,960

you see uh

73

00:06:50,309 --> 00:06:46,639

almost right

74

00:07:00,469 --> 00:06:50,319

at the crosshairs themselves

75

00:07:03,749 --> 00:07:02,390

the crosshairs are aligned moscow the

76

00:07:05,670 --> 00:07:03,759

range

77

00:07:06,870 --> 00:07:05,680

per course

78

00:07:08,309 --> 00:07:06,880

is consistent with the visual

79

00:07:10,070 --> 00:07:08,319

measurements

80

00:07:12,629 --> 00:07:10,080

the range and rate are nominal no issues

81

00:07:13,909 --> 00:07:12,639

on any of the systems

82

00:07:41,270 --> 00:07:13,919

please continue monitoring final

83

00:07:48,469 --> 00:07:44,390

antenna now has retracted as planned 24

84

00:07:54,390 --> 00:07:51,270

perfect alignment

85

00:07:56,390 --> 00:07:54,400

between the progress's docking probe

86

00:08:25,510 --> 00:07:56,400

and the docking port of the zvezda

87

00:08:29,589 --> 00:08:27,350

with 20 meters to go

88

00:08:35,909 --> 00:08:29,599

range rate of closure one tenth of a

89

00:09:16,150 --> 00:08:37,829

we see that you have passed the 20 meter

90

00:09:21,190 --> 00:09:18,070

based on the course we are going past

91

00:09:23,829 --> 00:09:21,200

the 10 meter mark for range

92

00:09:29,030 --> 00:09:23,839

visually it's a little less

93

00:09:29,040 --> 00:09:31,590

you can

94

00:09:38,470 --> 00:09:33,750

ignore the course data from the range of

95

00:09:43,590 --> 00:09:41,430

approaching four meter mark for range

96

00:09:46,790 --> 00:09:43,600

crosshairs online nominally

97

00:09:48,470 --> 00:09:46,800

of course rate zero decimal one

98

00:09:49,750 --> 00:09:48,480

one tenth of a meter per second is the

99

00:09:53,110 --> 00:09:49,760

closure rate

100

00:09:55,269 --> 00:09:53,120

now just a handful of meters away

101
00:09:56,790 --> 00:09:55,279
as we stand by for contact and capture

102
00:09:58,630 --> 00:09:56,800
of the international space station

103
00:09:59,670 --> 00:09:58,640
wishes on any of the systems very

104
00:10:18,470 --> 00:09:59,680
impossible

105
00:10:22,069 --> 00:10:20,710
contact confirmed contact confirmed

106
00:10:23,990 --> 00:10:22,079
capture confirmed

107
00:10:26,470 --> 00:10:24,000
we confirmed that there is uh

108
00:10:30,310 --> 00:10:26,480
confirmation of both contact and soft

109
00:10:35,750 --> 00:10:33,590
docking confirmed at 12 58 p.m central