
Ф44 СБЛИЖЕНИЕ
Т=07:21:56
ПРИЧАЛ ПРИЧАЛ
ЛСК ГСО 1234
Б1
ωx 0,000°/с
ДУС12
ωy 0,052°/с
Р 169,4
ωz 0,052°/с
С1.7660
КУРС 1
ϒ 0,53°
ψ -0,44°
ϑ -0,24°
ψп 0,17°
ϑп 0,17°
ρ 0,031
ρ̇ -0,16
Ф ρ 0,034кн
Ωy 0,039 0,038
ρ̇ -0,16м/с
Ωz-0,042 -0,042

1
00:00:06,150 --> 00:00:04,230
progress now within 100 meters of

2
00:00:48,470 --> 00:00:06,160
docking all systems functioning

3
00:00:53,189 --> 00:00:51,189
progress now 80 meters away

4
00:00:54,869 --> 00:00:53,199
continuing to fire thrusters to

5
00:00:57,110 --> 00:00:54,879
fine-tune its uh

6
00:01:35,830 --> 00:00:57,120
final approach the final few feet before

7
00:01:35,840 --> 00:01:49,510
in 50 seconds we'll enter the eclipse

8
00:02:06,630 --> 00:01:51,350
south america

9
00:02:06,640 --> 00:02:13,990
57 meters now

10
00:02:14,000 --> 00:02:24,869
you can turn it on okay copy

11
00:02:30,710 --> 00:02:28,229
i see the station i see the target

12
00:02:32,390 --> 00:02:30,720
max sarayev in the zvezda service module

13
00:02:35,190 --> 00:02:32,400

throwing a little light on the subject

14
00:02:36,869 --> 00:02:35,200
as he commands the external headlights

15
00:02:39,270 --> 00:02:36,879
if you will on the progress vehicle to

16
00:02:41,830 --> 00:02:39,280
be turned on to provide illumination

17
00:02:43,750 --> 00:02:41,840
for this picture being received

18
00:02:45,910 --> 00:02:43,760
through the usku band communication

19
00:02:48,070 --> 00:02:45,920
system from the progress itself and

20
00:02:50,070 --> 00:02:48,080
being routed back to the mission control

21
00:02:51,670 --> 00:02:50,080
center outside moscow for russian flight

22
00:02:54,229 --> 00:02:51,680
controllers to assess

23
00:03:22,309 --> 00:02:54,239
44 meters now separating progress from

24
00:03:27,030 --> 00:03:24,710
the progress has now retracted its cores

25
00:03:28,630 --> 00:03:27,040
automated rendezvous antenna as planned

26
00:03:31,509 --> 00:03:28,640
at a distance of

27
00:03:33,030 --> 00:03:31,519
about 38 meters

28
00:03:34,550 --> 00:03:33,040
everything continuing to go very

29
00:03:36,710 --> 00:03:34,560
smoothly you can see at the bottom of

30
00:03:38,070 --> 00:03:36,720
that circular aft end of the zvezda

31
00:03:38,789 --> 00:03:38,080
service module

32
00:04:10,949 --> 00:03:38,799
a

33
00:04:14,869 --> 00:04:12,390
46

34
00:04:22,950 --> 00:04:14,879
closing range 0.17

35
00:04:27,350 --> 00:04:25,670
the progress now 44 meters away closing

36
00:04:33,110 --> 00:04:27,360
at a rate of just under two-tenths of a

37
00:04:37,189 --> 00:04:34,629
progress in the international space

38
00:04:39,670 --> 00:04:37,199

station flying 212 statute miles over

39
00:04:41,590 --> 00:04:39,680
southern argentina

40
00:04:43,749 --> 00:04:41,600
range

41
00:04:44,950 --> 00:04:43,759
on the

42
00:04:46,790 --> 00:04:44,960
angular

43
00:04:49,110 --> 00:04:46,800
measure

44
00:04:53,830 --> 00:04:49,120
uh maximum we didn't hear you

45
00:04:53,840 --> 00:05:01,749
the range about ineligible

46
00:05:01,759 --> 00:05:07,830
about 30 meters range

47
00:05:07,840 --> 00:05:16,310
three meters one output two sticks

48
00:05:22,310 --> 00:05:18,950
pantry crown

49
00:06:22,950 --> 00:05:22,320
and the center of the screen

50
00:06:27,670 --> 00:06:25,110
24 meters now separating the two

51
00:06:30,390 --> 00:06:27,680
vehicles the zvezda service module just

52
00:06:31,510 --> 00:06:30,400
five months shy of its 10th anniversary

53
00:06:33,749 --> 00:06:31,520
in space

54
00:06:36,230 --> 00:06:33,759
having launched in july of 2000 from the

55
00:06:38,150 --> 00:06:36,240
baikonur cosmodrome in kazakhstan

56
00:06:39,350 --> 00:06:38,160
you can see the docking target coming

57
00:06:41,670 --> 00:06:39,360
nicely

58
00:06:42,550 --> 00:06:41,680
into alignment with the crosshairs on

59
00:06:45,909 --> 00:06:42,560
the

60
00:06:47,830 --> 00:06:45,919
progress 36 cameras

61
00:06:50,150 --> 00:06:47,840
providing the precise alignment for the

62
00:07:44,869 --> 00:06:50,160
final few feet before contact and

63
00:07:44,879 --> 00:07:50,390

the progress now inside 10 meters

64
00:08:09,350 --> 00:07:52,230
moments away from docking

65
00:08:09,360 --> 00:08:24,469
ineligible

66
00:08:24,479 --> 00:08:48,949
copy

67
00:08:52,389 --> 00:08:50,710
three meters away standing by for

68
00:08:59,509 --> 00:08:52,399
contact and capture of the international

69
00:09:33,110 --> 00:09:01,910
the range three meters

70
00:09:42,269 --> 00:09:35,509
congratulations maxime congratulations

71
00:09:47,509 --> 00:09:44,630
congratulations to you guys with the

72
00:09:49,269 --> 00:09:47,519
automatic successful automatic uh

73
00:09:51,190 --> 00:09:49,279
docking copy

74
00:09:53,030 --> 00:09:51,200
thank you

75
00:09:54,630 --> 00:09:53,040
docking occurring almost to the second

76
00:09:57,670 --> 00:09:54,640
that had been planned by russian flight

77
00:09:58,949 --> 00:09:57,680
controllers right on time at 10 26 pm

78
00:10:02,150 --> 00:09:58,959
central time

79
00:10:03,990 --> 00:10:02,160
as the progress 36

80
00:10:06,389 --> 00:10:04,000
and the international space station flew

81
00:10:07,590 --> 00:10:06,399
212 statute miles over the south

82
00:10:10,870 --> 00:10:07,600
atlantic

83
00:10:13,829 --> 00:10:10,880
just to the east of montevideo uruguay

84
00:10:16,949 --> 00:10:13,839
a smooth and uneventful docking of the

85
00:10:19,110 --> 00:10:16,959
new cargo ship delivering 2.8 tons of

86
00:10:21,030 --> 00:10:19,120
food fuel and supplies to the

87
00:10:22,310 --> 00:10:21,040
international space station for the

88
00:10:24,230 --> 00:10:22,320

first time in the history of the

89
00:10:26,470 --> 00:10:24,240
international space station four russian