
Ф44 СБЛИЖЕНИЕ
ОБЛЁТ ПРИЧАЛ
Б1
ДУС12 1
Р 172.3
С1.76601
Т=14:26:58
ЛСК ГСО 1234
ωx 1,023%
ωy 0,026%
ωz 0,026%
КУРС 1
ϑ 18,60°
υ −0,60°
ϑ −0,14°
ψп 1,91°
ϑп −0,14°
ρ 0,174
ρ̇ −0,03
Ф ρ 0,174км
ρ̇ −0,03м/с
Ωy 0,031 0,031
Ωz −0,061 −0,057

1
00:00:17,340 --> 00:00:23,700
And there's the view of the progress
vehicle as it continues to methodically

2
00:00:23,700 --> 00:00:26,960
make its path to the International Space
Station.

3
00:00:35,240 --> 00:00:40,010
To provide some situational awareness again
from this engineering overlay on the

4
00:00:40,010 --> 00:00:45,860
crosshair camera on the Progress in the
lower left-hand quadrant you can see one

5
00:00:45,860 --> 00:00:49,700
point zero four that's the kilometers,
that's the distance right now between

6
00:00:49,700 --> 00:00:53,840
the Progress and the International Space
Station. The value that's underneath it,

7
00:00:53,840 --> 00:00:59,750
minus three point four seven meters per
second, that's the rate of closure the

8
00:00:59,750 --> 00:01:05,040
range rate if you will how quickly the
Progress is closing in on the station.

9
00:01:11,320 --> 00:01:18,340
We're getting video and we
see you working through different AGC modes.

10
00:01:21,240 --> 00:01:24,520
We're going to select this one for
now because that's the best image that

11
00:01:24,520 --> 00:01:29,480
we could find it. Can I disable operation
mode? You're go for that.

12
00:01:30,460 --> 00:01:31,980
Operation mode disabled.

13
00:01:41,900 --> 00:01:44,280
Progress visible against the lim of the
earth.

14
00:01:49,260 --> 00:01:52,220
And in this view from the high-definition external viewer camera

15
00:01:52,340 --> 00:01:54,580
or HD on the International Space Station

16
00:01:55,240 --> 00:02:01,280
an outstanding view of the Progress as
it continues its inexorable approach for

17
00:02:01,280 --> 00:02:05,200
an automated docking to the aft port of
the Zvezda service module.

18
00:02:08,840 --> 00:02:18,640
The vehicle in the top right hand quadrant that is the Soyuz MSO 4 vehicle that will be

19
00:02:18,650 --> 00:02:22,100
the ride home for Peggy Whitson, Jack
Fischer and Fyodor Yurchikhin on

20
00:02:22,100 --> 00:02:27,709
September 3rd. In the lower left-hand
quadrant as the Progress 66 vehicle that

21
00:02:27,709 --> 00:02:30,000
is currently docked to the PIRs docking
compartment.

22
00:02:32,940 --> 00:02:39,140
We have that one and seven and they see board light. Copy.

23
00:02:41,360 --> 00:02:45,240
We're up to zero decimal 81 for closing rate.

24
00:02:46,400 --> 00:02:53,340
Right now we're at 150 meters based on
the ranger.

25
00:02:56,680 --> 00:02:59,720
We're currently handing over between
satellites on the tracking and data

26
00:02:59,730 --> 00:03:04,920
relay satellite system will reacquire
our downlink TV signal from the Progress

27
00:03:04,920 --> 00:03:09,660
and the station and there it is just a
momentary loss of signal. A good view of

28
00:03:09,660 --> 00:03:13,349
the aft port of the Zvezda service
module at the bottom of the circular

29
00:03:13,349 --> 00:03:19,920
docking port is that crosshair docking
target that the Progress's Cores

30
00:03:19,920 --> 00:03:24,750
automated rendezvous system will hone in
on to match the overlay against that

31
00:03:24,750 --> 00:03:29,040
docking target and the precise alignment
for contact and capture. Docking is

32

00:03:29,040 --> 00:03:31,860
scheduled about 10 and a half minutes
from now.

33
00:03:43,900 --> 00:03:46,120
Oh yeah we recovered video as well.

34
00:03:47,840 --> 00:03:50,080
11 meters the target is almost the in the

35
00:03:50,400 --> 00:03:55,120
middle of the electronic crosshairs.

36
00:03:57,560 --> 00:04:01,840
Yurchikhin providing a running commentary to the Russian flight
control team they're seeing the same

37
00:04:01,840 --> 00:04:06,760
data he is inside the use of Zvezda
service module. Standing by for contact.

38
00:04:06,760 --> 00:04:10,599
Just eight meters separating the Progress in the International Space Station as we

39
00:04:10,600 --> 00:04:14,260
stand by for contact and capture. Back in
the middle of the electronic crosshairs.

40
00:04:14,780 --> 00:04:21,640
Zero decimal 12 meters per second range
rate. Getting closer to four squares for

41
00:04:21,640 --> 00:04:30,060
the overlay. Standing by for contact at
zero decimal 13 meter per second range rate.

42
00:04:32,080 --> 00:04:34,460
Crosshairs are completely aligned.

43

00:04:38,120 --> 00:04:43,400
Contact confirmed. Contact confirmed,
capture confirmed, docking has been