

Ф44 СБЛИЖЕНИЕ Т=05:35:34
 ПРИЧАЛ ПРИЧАЛ ЛСИВ ГСО 1234
 Б1 ОХ-0,009%
 ДУС12 1 ОУ-0,044%
 Р 165,0 СВВП 1 ОZ 0,035%
 С1.70681 ВКЛ-100 КУРС 1
 γ 1,90°
 ψ -0,08°
 θ 0,58°
 φп -0,35°
 θп 0,28°
 -2 ρ 0,025
 ρ̇ -0,13
 φ ρ 0,027км ΩУ-0,004 -0,012
 ρ̇ -0,13м/с ΩZ-0,036 -0,043

1
00:00:05,670 --> 00:00:03,429
page four five range rate

2
00:00:16,710 --> 00:00:05,680
decimal two

3
00:00:16,720 --> 00:00:18,950
we

4
00:00:25,910 --> 00:00:21,590
got the video back but please continue

5
00:00:25,920 --> 00:00:31,349
confirmation is on

6
00:00:35,990 --> 00:00:32,790
operation

7
00:00:39,670 --> 00:00:37,350
copy

8
00:00:41,270 --> 00:00:39,680
visiting vehicle officer tom erkenswick

9
00:00:43,510 --> 00:00:41,280
has reported to flight director jerry

10
00:00:45,990 --> 00:00:43,520
jason that the coors rendezvous antenna

11
00:00:47,029 --> 00:00:46,000
has retracted as planned everything on

12
00:00:49,670 --> 00:00:47,039
track

13
00:00:51,590 --> 00:00:49,680

just 40 meters separating progress

14

00:00:54,630 --> 00:00:51,600

and it's a port of call at the piers

15

00:00:58,790 --> 00:00:56,950

you can see uh you're looking right down

16

00:01:01,670 --> 00:00:58,800

the barrel of the piers docking

17

00:01:03,750 --> 00:01:01,680

compartment at the top of your screen

18

00:01:04,869 --> 00:01:03,760

there is a docking target you see that

19

00:01:07,510 --> 00:01:04,879

cross

20

00:01:09,750 --> 00:01:07,520

very near the

21

00:01:12,710 --> 00:01:09,760

where the crosshairs converge in this

22

00:01:15,749 --> 00:01:12,720

engineering overlay view

23

00:01:17,990 --> 00:01:15,759

the that docking target will be in the

24

00:01:21,670 --> 00:01:18,000

center of those crosshairs at the time

25

00:01:21,680 --> 00:01:25,109

we are in eclipse

26

00:01:31,910 --> 00:01:27,670

copy and confirm

27

00:01:37,190 --> 00:01:33,429

we see

28

00:01:41,910 --> 00:01:39,510

in the lower left-hand portion of this

29

00:01:43,590 --> 00:01:41,920

view you can see uh the two key numbers

30

00:01:45,670 --> 00:01:43,600

that the russian flight controllers are

31

00:01:49,270 --> 00:01:45,680

monitoring uh the

32

00:01:51,590 --> 00:01:49,280

distance 36 meters

33

00:01:52,710 --> 00:01:51,600

and at the very bottom the rate of

34

00:01:55,109 --> 00:01:52,720

closure

35

00:01:56,469 --> 00:01:55,119

or $r \dot{}$ as it is known in engineering

36

00:01:59,270 --> 00:01:56,479

terms of

37

00:02:00,630 --> 00:01:59,280

0.16 meters per second

38

00:02:01,590 --> 00:02:00,640

range

39

00:02:04,310 --> 00:02:01,600

30

40

00:02:07,590 --> 00:02:04,320

range rate decimal 15.

41

00:02:40,390 --> 00:02:07,600

starting visual monitoring

42

00:02:44,630 --> 00:02:42,550

25 meters separating progress and the

43

00:02:46,309 --> 00:02:44,640

piers docking compartment

44

00:02:48,710 --> 00:02:46,319

the international space station and

45

00:02:51,190 --> 00:02:48,720

progress tracking from southwest to

46

00:02:53,190 --> 00:02:51,200

north northeast up the east coast of

47

00:02:55,190 --> 00:02:53,200

south america

48

00:02:58,869 --> 00:02:55,200

soon to pass just to the east of buenos

49

00:03:03,670 --> 00:03:00,149

removed

50

00:03:17,350 --> 00:03:03,680

the information received diameter three

51
00:03:17,360 --> 00:03:26,710
a three oscillation on the roll

52
00:03:30,949 --> 00:03:29,110
the minor oscillation reported by the

53
00:03:38,789 --> 00:03:30,959
flight control team and karyoth should

54
00:03:43,110 --> 00:03:41,990
range about 15 meters range rate

55
00:04:13,030 --> 00:03:43,120
decimal

56
00:04:16,870 --> 00:04:15,910
the image of the target is stable range

57
00:04:19,270 --> 00:04:16,880
rate

58
00:04:21,030 --> 00:04:19,280
decimal 12

59
00:04:34,790 --> 00:04:21,040
roll angle selected

60
00:04:34,800 --> 00:04:55,110
the progress now inside 10 meters

61
00:05:00,390 --> 00:04:57,510
are aligned

62
00:05:13,830 --> 00:05:00,400
target images stable range rate

63
00:05:18,390 --> 00:05:15,909

nominal closure rate for the progress

64

00:05:40,870 --> 00:05:18,400

now just one tenth of a meter per second

65

00:06:01,749 --> 00:05:42,790

aligned still continuing small

66

00:06:06,390 --> 00:06:05,350

docking confirmed at 8 39 pm central

67

00:06:08,070 --> 00:06:06,400

time

68

00:06:11,590 --> 00:06:08,080

as the international space station of

69

00:06:15,909 --> 00:06:11,600

the progress 41 resupply craft flew 220

70

00:06:19,909 --> 00:06:17,510

for the second time in less than three

71

00:06:21,430 --> 00:06:19,919

days an international cargo craft as