



1
00:00:14,910 --> 00:00:12,950
a good view of the thruster firings on

2
00:00:17,830 --> 00:00:14,920
the progress

3
00:00:19,750 --> 00:00:17,840
vehicle now just about 70 meters away

4
00:00:21,269 --> 00:00:19,760
from link up to the piers docking

5
00:00:24,550 --> 00:00:21,279
compartment and a completion of a

6
00:00:28,550 --> 00:00:27,029
closer

7
00:00:31,109 --> 00:00:28,560
you should see uh

8
00:00:34,310 --> 00:00:31,119
the target better

9
00:00:37,430 --> 00:00:35,510
and uh

10
00:00:38,869 --> 00:00:37,440
i see the structure

11
00:00:41,350 --> 00:00:38,879
i just um

12
00:00:44,709 --> 00:00:41,360
don't see the um

13
00:00:46,470 --> 00:00:44,719

docking mechanism very well the docking

14

00:00:48,470 --> 00:00:46,480

interface that is

15

00:00:53,430 --> 00:00:48,480

just past 60 meters

16

00:01:17,910 --> 00:00:55,670

zero decimal 25 meters per second range

17

00:01:22,310 --> 00:01:20,469

55 meters now separating progress from

18

00:01:23,270 --> 00:01:22,320

its quarry the international space

19

00:01:24,870 --> 00:01:23,280

station

20

00:01:27,429 --> 00:01:24,880

all of the progress systems are

21

00:01:29,270 --> 00:01:27,439

functioning in perfect shape as they

22

00:01:32,149 --> 00:01:29,280

have since its launch from the baikonur

23

00:01:35,270 --> 00:01:32,159

cosmodrome in kazakhstan in the early

24

00:01:37,910 --> 00:01:35,280

morning hours on friday

25

00:01:39,429 --> 00:01:37,920

50 meters zero decimal one nine

26

00:01:41,109 --> 00:01:39,439

meters per second

27

00:02:07,510 --> 00:01:41,119

copy 50 and

28

00:02:11,830 --> 00:02:09,669

the target is

29

00:02:13,589 --> 00:02:11,840

practically at the center

30

00:02:16,309 --> 00:02:13,599

maybe a

31

00:02:17,750 --> 00:02:16,319

quarter of a

32

00:02:20,470 --> 00:02:17,760

cell

33

00:02:20,480 --> 00:02:28,790

on the yaw and pitch channels

34

00:02:33,509 --> 00:02:31,110

you can see the docking target just

35

00:02:34,630 --> 00:02:33,519

below the port at the piers docking

36

00:02:36,229 --> 00:02:34,640

compartment

37

00:02:39,110 --> 00:02:36,239

the core core's automated rendezvous

38

00:02:41,589 --> 00:02:39,120

system self correcting uh the angle of

39

00:02:46,790 --> 00:02:41,599

the approach of the progress now just 44

40

00:02:53,350 --> 00:02:51,430

45 meters zero decimal one eight

41

00:02:55,110 --> 00:02:53,360

and the core's automated rendezvous

42

00:03:07,589 --> 00:02:55,120

system antenna on the progress has

43

00:03:11,750 --> 00:03:09,270

target is um

44

00:03:13,190 --> 00:03:11,760

one degree to the left

45

00:03:16,070 --> 00:03:13,200

and um

46

00:03:25,110 --> 00:03:16,080

a little bit off uh pitch wise

47

00:03:30,390 --> 00:03:26,550

uh

48

00:03:44,830 --> 00:03:30,400

enable operation mode and also

49

00:03:44,840 --> 00:04:07,589

abort inaudible meters

50

00:04:11,110 --> 00:04:09,350

the progress in the international space

51
00:04:12,710 --> 00:04:11,120
station now flying just to the north of

52
00:04:16,069 --> 00:04:12,720
auckland new zealand

53
00:04:19,189 --> 00:04:16,079
at an altitude of 251 statute miles

54
00:04:23,670 --> 00:04:21,909
flying into an orbital sunset

55
00:04:25,590 --> 00:04:23,680
i'm going to enable operation mode and

56
00:04:27,430 --> 00:04:25,600
then enable abort

57
00:04:29,990 --> 00:04:27,440
just in case

58
00:04:38,710 --> 00:04:32,070
progress flying straight and true all of

59
00:04:38,720 --> 00:05:05,270
30 meters separating the two craft

60
00:05:19,510 --> 00:05:07,189
range rate is zero

61
00:05:19,520 --> 00:05:23,029
the vehicle is stable

62
00:05:38,790 --> 00:05:25,110
and the crosshairs are aligned

63
00:05:38,800 --> 00:05:44,870

approaching the 20 meter mark

64

00:05:44,880 --> 00:05:48,870

padalka reporting everything is normal

65

00:05:56,950 --> 00:05:50,550

progress approaching at one tenth of a

66

00:06:02,390 --> 00:05:59,590

a little bit of uh

67

00:06:03,110 --> 00:06:02,400

an offset on the roll side uh but it's

68

00:06:04,710 --> 00:06:03,120

um

69

00:06:08,230 --> 00:06:04,720

aligning

70

00:06:12,230 --> 00:06:09,430

copy

71

00:06:14,230 --> 00:06:12,240

everything is nominal gennady

72

00:06:17,670 --> 00:06:14,240

that's right

73

00:06:20,070 --> 00:06:17,680

the target is about one degree offset

74

00:06:26,469 --> 00:06:20,080

from the center

75

00:06:31,430 --> 00:06:29,270

all angles are reported to be nominal by

76

00:06:35,350 --> 00:06:31,440
the flight control team in carl joff

77

00:06:57,990 --> 00:06:37,590
11 meters per second range rate

78

00:07:04,629 --> 00:07:01,350
about seven or eight meters

79

00:07:08,070 --> 00:07:04,639
range rate is zero decimal 12.

80

00:07:12,710 --> 00:07:08,080
perfect approach by the progress

81

00:07:16,790 --> 00:07:14,870
just about five meters now separating

82

00:07:18,230 --> 00:07:16,800
the progress from its

83

00:07:19,670 --> 00:07:18,240
destination at the piers docking

84

00:07:21,990 --> 00:07:19,680
compartment

85

00:07:43,189 --> 00:07:22,000
probably six meters

86

00:07:47,029 --> 00:07:45,189
just three meters now standing by for

87

00:07:48,230 --> 00:07:47,039
contact and capture of the international

88

00:07:50,070 --> 00:07:48,240

space station

89

00:08:17,110 --> 00:07:50,080

target is

90

00:08:21,510 --> 00:08:19,029

contact and capture confirmed docking

91

00:08:30,869 --> 00:08:21,520

confirmed