

Φ44 СБЛИЖЕНИЕ

T=16:19:11

ЗАГР СБ

ОСК ГСО 12

Б1

А 9 К 0X 0,026%

ДУС12 1

УТ 0,60 0У 0,000%

Р 8,5 ФИЛЬТР

0Z-0,061%

СВ.00000

РАЗВРОТ

КУРС

γ 0,00°

ψ 0,00°

φ 0,00°

ψ~ 0,00°

φ~ 0,00°

ρ 0,000

ρ̇ 0,00

ρ 0,000км

0У 0,000

0,000

ρ̇ 0,00м/с

0Z 0,000

0,000



1
00:00:08,870 --> 00:00:07,349
and we have confirmation of undocking as

2
00:00:11,430 --> 00:00:08,880
you see the

3
00:00:55,750 --> 00:00:11,440
progress vehicle now backing away

4
00:00:55,760 --> 00:01:03,750
happy

5
00:01:09,429 --> 00:01:06,870
the official undocking time was 7 15 and

6
00:01:17,270 --> 00:01:09,439
22 seconds

7
00:01:19,910 --> 00:01:17,280
central standard time or 13 15 22 gmt

8
00:01:21,510 --> 00:01:19,920
at the time of undocking

9
00:01:24,350 --> 00:01:21,520
the international space station had a

10
00:01:28,149 --> 00:01:24,360
mass in space of 902

11
00:01:34,149 --> 00:01:30,870
the departure of that progress reduced

12
00:01:36,550 --> 00:01:34,159
the on-orbit mass of the station

13
00:01:39,429 --> 00:01:36,560

by about 12 000 pounds

14

00:01:41,670 --> 00:01:39,439

now uh has a massive 890

15

00:01:42,710 --> 00:01:41,680

418

16

00:01:44,550 --> 00:01:42,720

pounds

17

00:01:47,109 --> 00:01:44,560

and of course that will be increased

18

00:01:49,590 --> 00:01:47,119

once again on monday once the next

19

00:01:50,469 --> 00:01:49,600

progress vehicle arrives at this very

20

00:01:52,789 --> 00:01:50,479

same

21

00:01:58,550 --> 00:01:52,799

docking port the piers docking module of

22

00:02:04,230 --> 00:02:01,190

so the progress slowly backing away from

23

00:02:05,429 --> 00:02:04,240

the station the next sequence will be

24

00:02:08,710 --> 00:02:05,439

the

25

00:02:10,469 --> 00:02:08,720

first separation burn it is a 15 second

26

00:02:12,710 --> 00:02:10,479

burn that will change the velocity of

27

00:02:14,150 --> 00:02:12,720

the station by or the progress

28

00:02:17,110 --> 00:02:14,160

separation by

29

00:02:18,309 --> 00:02:17,120

about six tenths of a meter meters per

30

00:02:20,630 --> 00:02:18,319

second

31

00:02:22,470 --> 00:02:20,640

that should be coming up here in about a

32

00:02:23,990 --> 00:02:22,480

minute a little less than a minute

33

00:02:25,990 --> 00:02:24,000

that's the equivalent of

34

00:02:29,750 --> 00:02:26,000

one and a half miles per hour or about

35

00:02:33,430 --> 00:02:29,760

2.1 feet per second so a very subtle

36

00:02:39,110 --> 00:02:35,430

and once that's cleared another five

37

00:02:41,430 --> 00:02:39,120

minutes or so later the go will be given

38

00:02:43,589 --> 00:02:41,440

that the progress is at a safe distance

39

00:02:45,350 --> 00:02:43,599

and the station can

40

00:02:48,390 --> 00:02:45,360

then be maneuvered on the russian

41

00:02:51,110 --> 00:02:48,400

attitude control systems back to

42

00:03:13,350 --> 00:02:51,120

its uh standard

43

00:03:18,630 --> 00:03:15,670

and with the

44

00:03:20,710 --> 00:03:18,640

view that you see the progress sep 1

45

00:03:23,350 --> 00:03:20,720

burn is underway

46

00:03:25,830 --> 00:03:23,360

continuing to back straight away from

47

00:03:28,789 --> 00:03:25,840

the international space station

48

00:03:29,750 --> 00:03:28,799

as you look through the crosshairs of

49

00:03:32,550 --> 00:03:29,760

the

50

00:03:33,910 --> 00:03:32,560

progress

51

00:03:35,509 --> 00:03:33,920

looking at the

52

00:03:48,550 --> 00:03:35,519

russian segment of the international

53

00:03:55,270 --> 00:03:52,789

and now taking a wider view of the

54

00:03:58,949 --> 00:03:55,280

station

55

00:04:03,429 --> 00:04:01,190

that's pretty much all of the russian

56

00:04:06,070 --> 00:04:03,439

segment of the station including the uh

57

00:04:07,990 --> 00:04:06,080

service module

58

00:04:10,470 --> 00:04:08,000

and the uh

59

00:04:12,309 --> 00:04:10,480

zarya control module the first element

60

00:04:15,750 --> 00:04:12,319

of the international space station that

61

00:04:17,349 --> 00:04:15,760

essentially kicked off the assembly

62

00:05:13,990 --> 00:04:17,359

of the complex

63

00:05:18,550 --> 00:05:16,469

and uh just to correct the uh for those

64

00:05:21,510 --> 00:05:18,560

that track the actual seconds of the

65

00:05:23,909 --> 00:05:21,520

undocking the russian uh control mission

66

00:05:28,870 --> 00:05:23,919

control centers uh confirmed the

67

00:06:19,110 --> 00:05:33,670

13 15 27 gmt or 7 15 27

68

00:06:24,469 --> 00:06:22,230

the progress now about 170 meters from

69

00:06:26,790 --> 00:06:24,479

the international space station uh

70

00:06:28,790 --> 00:06:26,800

continuing to slowly back away from the

71

00:06:31,670 --> 00:06:28,800

complex uh all

72

00:06:33,110 --> 00:06:31,680

based on its uh separation one burn that

73

00:06:34,550 --> 00:06:33,120

occurred

74

00:06:37,029 --> 00:06:34,560

about

75

00:06:39,110 --> 00:06:37,039

18 minutes after the hour

76

00:06:40,790 --> 00:06:39,120

should reach a point of about six

77

00:06:43,029 --> 00:06:40,800

kilometers from the station or about

78

00:06:45,590 --> 00:06:43,039

three and a half miles

79

00:07:19,110 --> 00:06:45,600

at a point of about eight o'clock uh

80

00:07:23,510 --> 00:07:21,350

the next sunrise for the international

81

00:07:26,150 --> 00:07:23,520

space station and the crew should be

82

00:07:27,589 --> 00:07:26,160

coming up about 44 minutes after the

83

00:07:30,469 --> 00:07:27,599

hour

84

00:07:32,469 --> 00:07:30,479

as the complex heads over the

85

00:07:34,230 --> 00:07:32,479

southern

86

00:07:36,710 --> 00:07:34,240

pacific

87

00:07:38,390 --> 00:07:36,720

from this vantage point the undocking

88

00:07:41,110 --> 00:07:38,400

occurred

89

00:07:42,629 --> 00:07:41,120

just about the border of mongolia and

90

00:07:45,110 --> 00:07:42,639

russia

91

00:07:48,469 --> 00:07:45,120

as the station and progress uh were

92

00:07:51,189 --> 00:07:48,479

tracking uh northeasterly

93

00:07:53,029 --> 00:07:51,199

the complexes now just passed off the

94

00:07:57,589 --> 00:07:53,039

southern

95

00:08:00,070 --> 00:07:57,599

coast of kamchatka in this

96

00:08:16,309 --> 00:08:00,080

beginning a southeasterly swing here

97

00:08:21,510 --> 00:08:18,230

so the undocking

98

00:08:22,790 --> 00:08:21,520

occurred pretty much right on time of 48

99

00:08:24,309 --> 00:08:22,800

progress

100

00:08:26,950 --> 00:08:24,319

having

101

00:08:51,670 --> 00:08:26,960

completed its tasks duties at the

102

00:09:49,110 --> 00:09:04,230

foreign

103

00:09:55,430 --> 00:09:51,269

and we have confirmation that the

104

00:09:57,430 --> 00:09:55,440

station is now being maneuvered back to

105

00:10:00,870 --> 00:09:57,440

what's known as its duty attitude or its