

044 СБЛИЖЕНИЕ

T=19:22:55

ЗАПР СБ

ОСК ГСО 12

БТ

А 4 3

ВХ-В, ВВ9%

ДУС12 1

УХ В, ВВ

ВН В, ВВ9%

Р 1В, В

ФИЛ

В2-В, ВВ1%

СВ, ВВВВВ

РА

КУРС

γ В, ВВ°

ψ В, ВВ°

θ В, ВВ°

ψ- В, ВВ°

θ- В, ВВ°

ρ В, ВВВ

ρ В, ВВ

ρ В, ВВВКК

ВН В, ВВВ

В, ВВВ

ρ В, ВВВ/С

В2 В, ВВВ

В, ВВВ

ИИ: ЗАПРЕТ ККВ

1  
00:00:06,630 --> 00:00:03,030  
and there's our first view of the

2  
00:00:08,950 --> 00:00:06,640  
crosshair camera on the progress ship

3  
00:00:10,629 --> 00:00:08,960  
that should enable us to see uh the view

4  
00:00:11,749 --> 00:00:10,639  
of the international space station at

5  
00:00:16,150 --> 00:00:11,759  
the time

6  
00:00:23,429 --> 00:00:16,160  
the progress backs away from the complex

7  
00:00:23,439 --> 00:00:28,790  
hooks are driving open

8  
00:00:34,630 --> 00:00:31,669  
and we have undocking confirmed

9  
00:00:37,270 --> 00:00:34,640  
undocking occurring at 10 21 am central

10  
00:00:41,510 --> 00:00:39,510  
the progress uh now beginning to back

11  
00:00:43,590 --> 00:00:41,520  
away at a rate of one tenth of a meter

12  
00:00:44,470 --> 00:00:43,600  
per second

13  
00:00:45,990 --> 00:00:44,480

about

14

00:00:49,510 --> 00:00:46,000

two and a half minutes from now there'll

15

00:00:51,990 --> 00:00:49,520

be a firing of the progress engines

16

00:00:53,350 --> 00:00:52,000

for 15 seconds to increase that opening

17

00:01:40,870 --> 00:00:53,360

rate to about

18

00:01:45,270 --> 00:01:42,550

as the progress backs away from the

19

00:01:48,469 --> 00:01:45,280

piers docking compartment it has active

20

00:01:50,389 --> 00:01:48,479

control holding a reference attitude

21

00:01:51,749 --> 00:01:50,399

that means it's controlling its own

22

00:01:58,149 --> 00:01:51,759

orientation relative to the

23

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

the separation burn that's coming up at

24

00:02:04,789 --> 00:02:02,560

10 24 a.m

25

00:02:05,990 --> 00:02:04,799

is an automated 15 second retrograde

26

00:02:07,830 --> 00:02:06,000

maneuver

27

00:02:09,510 --> 00:02:07,840

with two of the

28

00:02:12,710 --> 00:02:09,520

thrusters

29

00:02:16,070 --> 00:02:12,720

that will uh increase its velocity rate

30

00:02:23,510 --> 00:02:16,080

away from the station to about

31

00:02:28,390 --> 00:02:24,949

that same docking port that you're

32

00:02:31,670 --> 00:02:28,400

looking at will accept the new progress

33

00:02:33,830 --> 00:02:31,680

54 cargo ship on wednesday afternoon

34

00:02:35,110 --> 00:02:33,840

following a six-hour transit from the

35

00:03:15,030 --> 00:02:35,120

launch pad

36

00:03:23,750 --> 00:03:17,030

another view from the external cameras

37

00:03:30,229 --> 00:03:27,270

the progress currently pitching up

38

00:04:01,670 --> 00:03:30,239

as expected in advance of its separation

39

00:04:06,070 --> 00:04:03,750

and the separation burn is underway a

40

00:04:07,750 --> 00:04:06,080

15-second burn to increase the opening

41

00:04:19,509 --> 00:04:07,760

rate between the progress and the

42

00:04:42,230 --> 00:04:21,349

and the burn is complete after 15

43

00:04:46,230 --> 00:04:44,550

the progress uh as it

44

00:04:48,070 --> 00:04:46,240

begins uh to phase away from the

45

00:04:51,430 --> 00:04:48,080

international space station

46

00:04:53,030 --> 00:04:51,440

uh will conduct another retrograde burn

47

00:04:55,590 --> 00:04:53,040

in a few hours

48

00:04:58,950 --> 00:04:55,600

that will create an opening rate of

49

00:05:00,950 --> 00:04:58,960

about 15 meters per second a rather

50

00:05:02,790 --> 00:05:00,960

large burn at that time

51  
00:05:04,070 --> 00:05:02,800  
and that will send the progress to a

52  
00:05:06,950 --> 00:05:04,080  
safe distance away from the

53  
00:05:08,469 --> 00:05:06,960  
international space station where uh

54  
00:05:10,629 --> 00:05:08,479  
engineering experiments will be

55  
00:05:12,710 --> 00:05:10,639  
conducted on this progress that is

56  
00:05:15,350 --> 00:05:12,720  
filled with trash

57  
00:05:17,189 --> 00:05:15,360  
for several days those experiments

58  
00:05:20,310 --> 00:05:17,199  
to get underway

59  
00:05:22,950 --> 00:05:20,320  
on thursday for about four days to test

60  
00:05:25,510 --> 00:05:22,960  
the effect of extreme heat and cold in

61  
00:05:29,510 --> 00:05:25,520  
the space environment on the progress's

62  
00:05:29,520 --> 00:05:34,070  
this progress will be discarded

63  
00:05:37,990 --> 00:05:36,550

and deorbited on february 11 to burn up

64

00:05:59,029 --> 00:05:38,000

in the earth's atmosphere falling

65

00:06:02,629 --> 00:06:01,270

and as 52 progress departs the

66

00:06:04,469 --> 00:06:02,639

international space station at the

67

00:06:07,590 --> 00:06:04,479

bottom of your screen yet another

68

00:06:09,670 --> 00:06:07,600

progress vehicle the 53 progress

69

00:06:14,150 --> 00:06:09,680

that is docked to the aft end of the

70

00:06:19,670 --> 00:06:17,110

having arrived back in november that