

Φ44 СЛИЖЕНИЕ | T=16:36:14  
ЗАПР СБ ЗАХВАТ | ОСК ГСО 12  
Б1 ВРАЩЕН А В К ОХ-0,009%  
ДУС12 1 УТ В ОУ 0,035%  
Р 8,5 ФИЛЬТР ОЗ 0,052%  
СВ.50200 РАЗВОРОТ КУРС 1

0,00°  
ψ 0,41°  
-1,96°  
ψп -9,69°  
θп -16,52°  
ρ 0,161  
ρ̇ 0,73

ρ 0,000км ΩУ 0,000 0,000  
ρ̇ 0,00м/с ΩZ 0,000 0,000

1  
00:00:21,349 --> 00:00:19,109  
the team here on the ground confirming

2  
00:00:23,269 --> 00:00:21,359  
that the progress 53 has undocked you

3  
00:00:24,950 --> 00:00:23,279  
can see it here moving away from the

4  
00:00:26,070 --> 00:00:24,960  
space station space station getting

5  
00:00:28,550 --> 00:00:26,080  
smaller

6  
00:00:30,630 --> 00:00:28,560  
in this view coming from the progress uh

7  
00:00:32,709 --> 00:00:30,640  
and doc confirmed and

8  
00:00:34,630 --> 00:00:32,719  
confirmed at 8 29

9  
00:00:37,110 --> 00:00:34,640  
a.m central time

10  
00:00:39,750 --> 00:00:37,120  
while the uh

11  
00:00:44,549 --> 00:00:39,760  
station and progress were about 228

12  
00:00:49,029 --> 00:00:47,110  
again progress 53 now making its way

13  
00:01:36,950 --> 00:00:49,039

slowly away from the space station after

14

00:01:40,550 --> 00:01:39,030

the springs that propel the progress

15

00:01:43,710 --> 00:01:40,560

away from the space station after its

16

00:01:46,310 --> 00:01:43,720

hooks are opened move it away at about

17

00:01:48,710 --> 00:01:46,320

.12 meters per second which is about a

18

00:01:50,149 --> 00:01:48,720

fourth of a mile per hour

19

00:01:51,749 --> 00:01:50,159

it's currently

20

00:01:55,190 --> 00:01:51,759

moving slowly away from the space

21

00:01:57,270 --> 00:01:55,200

station as you can see here and in about

22

00:01:58,870 --> 00:01:57,280

a minute and 13 seconds we'll perform

23

00:02:02,709 --> 00:01:58,880

its first separation burn that will

24

00:02:05,749 --> 00:02:02,719

speed up that departure a little bit uh

25

00:02:07,670 --> 00:02:05,759

that point it'll begin moving away at a

26

00:02:10,150 --> 00:02:07,680

mile and a half per hour

27

00:02:14,070 --> 00:02:10,160

following a 15 second

28

00:02:19,110 --> 00:02:16,150

its departure from the

29

00:02:21,110 --> 00:02:19,120

station's zvezda module clears that

30

00:02:23,030 --> 00:02:21,120

docking port up for the arrival in

31

00:02:25,110 --> 00:02:23,040

august of the

32

00:02:27,030 --> 00:02:25,120

fifth automated transfer vehicle from

33

00:02:28,550 --> 00:02:27,040

the european space agency

34

00:02:29,589 --> 00:02:28,560

that'll be launching from kuru french

35

00:02:48,309 --> 00:02:29,599

guiana

36

00:03:08,229 --> 00:02:49,990

about 20 seconds now until that first

37

00:03:10,869 --> 00:03:09,270

team here

38

00:03:12,710 --> 00:03:10,879

reporting that that separation burns

39

00:03:13,750 --> 00:03:12,720

underway see the

40

00:03:15,910 --> 00:03:13,760

speed

41

00:03:56,710 --> 00:03:15,920

increasing a bit as the progress moves

42

00:03:59,910 --> 00:03:58,149

team here on the ground reporting that

43

00:04:02,309 --> 00:03:59,920

the separation burn was complete and

44

00:04:03,910 --> 00:04:02,319

everything looking nominal so far as the

45

00:04:13,589 --> 00:04:03,920

progress continues to be away from the

46

00:04:18,390 --> 00:04:15,589

scheduled to reach the six kilometer

47

00:04:20,629 --> 00:04:18,400

point at 9 16 a.m central at that time

48

00:04:23,830 --> 00:04:20,639

it will be about 3.7 miles away from the

49

00:04:28,070 --> 00:04:25,670

and it will continue increasing its

50

00:04:31,189 --> 00:04:28,080

distance until

51  
00:04:34,150 --> 00:04:31,199  
it's uh deorbit burn begins

52  
00:04:34,870 --> 00:04:34,160  
at 11 34 am central time

53  
00:04:36,870 --> 00:04:34,880  
okay

54  
00:04:39,430 --> 00:04:36,880  
station space to ground one go ahead and

55  
00:04:41,270 --> 00:04:39,440  
specific round one uh nicolas

56  
00:04:44,710 --> 00:04:41,280  
nikolai the docking

57  
00:04:47,270 --> 00:04:44,720  
is clear of any fod

58  
00:04:48,710 --> 00:04:47,280  
looks very good and i'm going to put the

59  
00:04:54,710 --> 00:04:48,720  
pictures in the folder named after the

60  
00:04:59,270 --> 00:04:56,550  
i don't think they require

61  
00:05:01,990 --> 00:04:59,280  
downloading on

62  
00:05:05,029 --> 00:05:02,000  
a4 downlink um if you check the

63  
00:05:06,469 --> 00:05:05,039

radiogram step number four

64

00:05:08,390 --> 00:05:06,479

uh you need to

65

00:05:10,070 --> 00:05:08,400

save them onto hard drive and then you

66

00:05:11,670 --> 00:05:10,080

will be returning those with your hard

67

00:05:15,590 --> 00:05:11,680

drive

68

00:05:18,310 --> 00:05:15,600

actually i do see it um on oca so

69

00:05:19,430 --> 00:05:18,320

it has to go on both oca and the hard

70

00:05:21,510 --> 00:05:19,440

drive

71

00:05:22,830 --> 00:05:21,520

and with that are you ready to copy the

72

00:05:26,230 --> 00:05:22,840

uh edv

73

00:05:28,469 --> 00:05:26,240

data actually let me go to the central

74

00:06:02,230 --> 00:05:28,479

post and i'll call you back

75

00:06:05,749 --> 00:06:03,590

that's all

76

00:06:07,270 --> 00:06:05,759

and nikolai go ahead with the

77

00:06:09,990 --> 00:06:07,280

information

78

00:06:11,590 --> 00:06:10,000

okay so these are egv used that

79

00:06:13,430 --> 00:06:11,600

used to be

80

00:06:15,270 --> 00:06:13,440

uh used for water

81

00:06:16,950 --> 00:06:15,280

so there are two of them

82

00:06:21,270 --> 00:06:16,960

you can use them in any sequence you'd

83

00:06:24,550 --> 00:06:21,280

like so lid number 1080

84

00:06:30,150 --> 00:06:24,560

bucket 649.

85

00:06:40,790 --> 00:06:33,350

and bucket number 678. they're stowed

86

00:06:40,800 --> 00:06:45,909

i think you meant 404 panel 404.

87

00:06:50,070 --> 00:06:48,390

progress 53 just visible here at the top

88

00:06:51,830 --> 00:06:50,080

of the screen

89

00:06:54,790 --> 00:06:51,840  
coming into view uh following its

90

00:06:56,469 --> 00:06:54,800  
undocking again that took place at 8 29

91

00:06:58,230 --> 00:06:56,479  
a.m central time

92

00:07:00,309 --> 00:06:58,240  
and it's been making its way away from

93

00:07:02,550 --> 00:07:00,319  
the space station since then

94

00:07:06,390 --> 00:07:02,560  
completed its uh first separation burn

95

00:07:09,029 --> 00:07:07,909  
and teams here on the ground confirm

96

00:07:11,350 --> 00:07:09,039  
that everything looks good with that

97

00:07:14,790 --> 00:07:11,360  
separation burn so it should be getting

98

00:07:19,430 --> 00:07:17,270  
eventual deorbit burn which will drop it

99

00:07:21,110 --> 00:07:19,440  
back into the earth's atmosphere allow

100

00:07:23,670 --> 00:07:21,120  
it to burn up along with the trash the

101

00:07:26,870 --> 00:07:23,680

space station's sending away

102

00:07:30,469 --> 00:07:26,880

so 1087 and 10.90

103

00:07:34,550 --> 00:07:30,479

okay i copy 1087 and 10.90 good read

104

00:07:41,589 --> 00:07:39,110

and 1146 has been filled from the tank

105

00:07:45,189 --> 00:07:41,599

right for individual

106

00:07:51,270 --> 00:07:48,550

and uh you replaced it at 11 46 no i

107

00:07:55,830 --> 00:07:51,280

filled it at 11 46.

108

00:07:57,430 --> 00:07:55,840

so prepared at 10 11 46.

109

00:08:22,469 --> 00:07:57,440

yes that's right

110

00:08:28,070 --> 00:08:24,550

progress 53 now visible here clearly in

111

00:08:32,790 --> 00:08:29,990

as the

112

00:08:36,469 --> 00:08:32,800

progress in station orbit about 260

113

00:08:42,230 --> 00:08:38,149

above the north pacific ocean having

114

00:08:42,240 --> 00:08:47,670

coast of russia and

115

00:09:23,990 --> 00:08:49,590

just about now into the dark part of

116

00:09:27,670 --> 00:09:25,430

another view here from cameras on the

117

00:09:28,949 --> 00:09:27,680

exterior of the space station that just

118

00:09:30,470 --> 00:09:28,959

showed that

119

00:09:32,070 --> 00:09:30,480

a bit of the

120

00:09:38,310 --> 00:09:32,080

progress in the lower right hand corner

121

00:09:43,590 --> 00:09:40,870

and the horizon then view