

1
00:00:09,350 --> 00:00:07,590
and uh our first first view of uh the uh

2
00:00:11,749 --> 00:00:09,360
progress is black and white external

3
00:00:14,230 --> 00:00:11,759
television camera with the data overlay

4
00:00:16,390 --> 00:00:14,240
that has become familiar to all viewers

5
00:00:20,950 --> 00:00:16,400
of russian vehicle operations at the

6
00:00:23,509 --> 00:00:21,670
the

7
00:00:25,750 --> 00:00:23,519
visiting vehicle officer here in mission

8
00:00:28,550 --> 00:00:25,760
control heidi paris indicates to flight

9
00:00:31,189 --> 00:00:28,560
director amit shatriya that the progress

10
00:00:32,870 --> 00:00:31,199
docking mechanism is now powered up in

11
00:00:35,270 --> 00:00:32,880
advance of the command to begin the

12
00:01:02,389 --> 00:00:35,280
initiation of the opening of the hooks

13
00:01:07,429 --> 00:01:04,310

in the lower left hand corner of your

14

00:01:09,109 --> 00:01:07,439

screen is the progress 60 cargo craft

15

00:01:11,750 --> 00:01:09,119

that is docked to the piers docking

16

00:01:15,030 --> 00:01:11,760

compartment just behind it

17

00:01:16,789 --> 00:01:15,040

docked to the uh rossviet module

18

00:01:18,230 --> 00:01:16,799

on the earth-facing side of the russian

19

00:01:20,830 --> 00:01:18,240

segment of the international space

20

00:01:23,670 --> 00:01:20,840

station is the prague is the soyuz

21

00:01:26,310 --> 00:01:23,680

tma-17m spacecraft that was launched in

22

00:01:27,749 --> 00:01:26,320

late july to carry ali kononenko kamiya

23

00:01:30,469 --> 00:01:27,759

yui and chell lindgren to the

24

00:01:32,469 --> 00:01:30,479

international space station

25

00:01:34,149 --> 00:01:32,479

standing by now for the initiation of

26
00:02:29,750 --> 00:01:34,159
the commands to begin the opening of the

27
00:02:35,589 --> 00:02:32,150
and the progress hooks are now driving

28
00:02:37,830 --> 00:02:35,599
open as planned as we stand by for the

29
00:02:40,550 --> 00:02:37,840
hooks to be fully opened and physical

30
00:03:29,430 --> 00:02:40,560
separation of the progress from the aft

31
00:03:36,390 --> 00:03:32,550
and a docking confirmed

32
00:03:42,309 --> 00:03:39,270
undocking confirmed at 5 19 a.m central

33
00:03:44,630 --> 00:03:42,319
time 6 19 a.m eastern time as the

34
00:03:47,750 --> 00:03:44,640
international space station flew 250

35
00:03:50,949 --> 00:03:47,760
statute miles over northwestern china

36
00:03:52,789 --> 00:03:50,959
i'm standing by so whenever you is ready

37
00:03:56,309 --> 00:03:52,799
i'm going to switch to space ground 3

38
00:04:02,070 --> 00:03:58,229

thanks kimia we can switch to space to

39
00:04:04,309 --> 00:04:02,080
ground 3 now and we should be ready one

40
00:04:07,270 --> 00:04:04,319
whenever the ku forward is up i'm

41
00:04:22,870 --> 00:04:07,280
changing to three

42
00:04:25,670 --> 00:04:24,790
a good view of

43
00:04:28,310 --> 00:04:25,680
the

44
00:04:31,350 --> 00:04:28,320
departing international space station as

45
00:04:34,070 --> 00:04:31,360
the progress 58 backs away slowly but

46
00:04:43,270 --> 00:04:34,080
surely from the aft port of the zvezda

47
00:04:46,469 --> 00:04:44,150
again

48
00:04:49,030 --> 00:04:46,479
this same docking port will be uh the

49
00:04:51,670 --> 00:04:49,040
destination for padalka kelly and

50
00:04:55,270 --> 00:04:51,680
korniyenko two weeks from today as they

51
00:04:57,189 --> 00:04:55,280
fly their soyuz tma-16m spacecraft away

52
00:04:59,110 --> 00:04:57,199
from the poisk module on the

53
00:05:01,590 --> 00:04:59,120
space-facing side of the russian segment

54
00:05:10,070 --> 00:05:01,600
of the station and relocated to the aft

55
00:05:13,909 --> 00:05:11,430
about a minute and

56
00:05:16,469 --> 00:05:13,919
a half away from a separation burn this

57
00:05:19,029 --> 00:05:16,479
will be a 15 second burn of the progress

58
00:05:21,189 --> 00:05:19,039
thrusters to initiate a

59
00:05:23,189 --> 00:05:21,199
faster opening rate and place the

60
00:05:25,590 --> 00:05:23,199
progress a safe distance away from the

61
00:05:27,909 --> 00:05:25,600
space station about three hours from now

62
00:05:47,189 --> 00:05:27,919
for its deorbit burn that is scheduled

63
00:05:52,310 --> 00:05:49,510

hi kimiya andre here on space to ground

64

00:05:56,070 --> 00:05:52,320

three no reply required we are ready for

65

00:05:59,749 --> 00:05:57,830

you're listening to other activity

66

00:06:02,629 --> 00:05:59,759

that's taking place on board the

67

00:06:05,270 --> 00:06:02,639

international space station as kimia yui

68

00:06:07,189 --> 00:06:05,280

works with the haptics experiment

69

00:06:09,270 --> 00:06:07,199

there he is

70

00:06:13,909 --> 00:06:09,280

aboard the international space station

71

00:06:19,710 --> 00:06:17,110

23 days ago along with oleg kononenko

72

00:06:31,749 --> 00:06:19,720

and chell lindgren aboard the soyuz

73

00:06:36,150 --> 00:06:33,830

and the separation burn has now been

74

00:06:38,950 --> 00:06:36,160

initiated on the progress

75

00:06:40,629 --> 00:06:38,960

a 15 second thruster firing to increase

76

00:06:55,189 --> 00:06:40,639

its opening rate from the international

77

00:06:58,950 --> 00:06:57,029

and the separation burn is now complete

78

00:07:01,749 --> 00:06:58,960

the visiting vehicle officer reports a

79

00:07:04,629 --> 00:07:01,759

good burn so progress now uh

80

00:07:07,589 --> 00:07:04,639

will move uh even faster away from the

81

00:07:09,189 --> 00:07:07,599

international space station to a point

82

00:07:12,309 --> 00:07:09,199

for the initiation of a three-minute

83

00:07:15,270 --> 00:07:12,319

19-second engine firing a retrograde

84

00:07:17,350 --> 00:07:15,280

braking maneuver planned at 8 28 am

85

00:07:19,830 --> 00:07:17,360

central time that will enable it to drop

86

00:07:21,749 --> 00:07:19,840

out of orbit for a destructive re-entry

87

00:07:23,350 --> 00:07:21,759

back into the earth's atmosphere where