



1  
00:00:14,080 --> 00:00:11,830  
and we have main engine start engine

2  
00:00:17,740 --> 00:00:14,090  
turbo pumps coming up to flight speed

3  
00:00:29,080 --> 00:00:17,750  
engines at maximum thrust and liftoff

4  
00:00:30,910 --> 00:00:29,090  
liftoff of the ISS progress 57 cargo

5  
00:00:36,280 --> 00:00:30,920  
ship bound on a fast track to the

6  
00:00:38,410 --> 00:00:36,290  
International Space Station all four

7  
00:00:40,630 --> 00:00:38,420  
stage engines are up and running in good

8  
00:00:42,819 --> 00:00:40,640  
shape all parameters are nominal

9  
00:00:52,869 --> 00:00:42,829  
according to reports from the blockhouse

10  
00:01:05,460 --> 00:00:52,879  
at Baikonur all structural parameters in

11  
00:01:10,500 --> 00:01:07,620  
off-time confirmed at 2:09 and 43

12  
00:01:17,220 --> 00:01:10,510  
seconds a.m. Central time 109 and 43

13  
00:01:21,750 --> 00:01:17,230

seconds p.m. and Baikonur combustion

14

00:01:24,630 --> 00:01:21,760

chamber pressure is nominal now passing

15

00:01:34,850 --> 00:01:24,640

through max Q the Soyuz booster going

16

00:01:39,200 --> 00:01:37,010

coming up on the one and a half minute

17

00:01:41,300 --> 00:01:39,210

mark into the flight all structural

18

00:01:54,970 --> 00:01:41,310

parameters and engine parameters are

19

00:01:59,410 --> 00:01:57,130

all the first stage engine performance

20

00:02:02,110 --> 00:01:59,420

is reported nominal everything looking

21

00:02:04,420 --> 00:02:02,120

good on the Soyuz booster and the

22

00:02:17,670 --> 00:02:04,430

progress resupply ship bound for the

23

00:02:21,899 --> 00:02:20,160

the Soyuz in the progress charting a

24

00:02:29,910 --> 00:02:21,909

true course and now we have first stage

25

00:02:34,610 --> 00:02:29,920

separation you got a good glimpse of the

26  
00:02:42,059 --> 00:02:38,879  
vehicle stabilization reported the Soyuz

27  
00:02:46,610 --> 00:02:42,069  
some 33 miles in altitude 73 miles

28  
00:02:51,030 --> 00:02:49,319  
we're about three minutes away from the

29  
00:02:52,860 --> 00:02:51,040  
start of the fly around by the progress

30  
00:02:55,259 --> 00:02:52,870  
of the International Space Station that

31  
00:02:57,509 --> 00:02:55,269  
will begin when the progress is closed

32  
00:03:00,420 --> 00:02:57,519  
to a distance of about 400 meters from

33  
00:03:02,849 --> 00:03:00,430  
the International outpost that fly

34  
00:03:04,979 --> 00:03:02,859  
around will be at an angle of sixty one

35  
00:03:07,800 --> 00:03:04,989  
and a half degrees relative to the

36  
00:03:12,479 --> 00:03:07,810  
station there's our first view of the

37  
00:03:14,009 --> 00:03:12,489  
progress craft at the time of launch the

38  
00:03:16,470 --> 00:03:14,019

International Space Station was more

39

00:03:18,119 --> 00:03:16,480

than 1,200 statute miles ahead of the

40

00:03:20,190 --> 00:03:18,129

progress craft the Russian flight

41

00:03:22,500 --> 00:03:20,200

controllers simply have an opportunity

42

00:03:26,490 --> 00:03:22,510

to quickly check the progress of systems

43

00:03:29,699 --> 00:03:26,500

flying passively 261 miles over Ecuador

44

00:03:32,280 --> 00:03:29,709

the progress 57 cargo ship loaded with

45

00:03:34,199 --> 00:03:32,290

almost three tons of supplies for the

46

00:03:36,929 --> 00:03:34,209

International Space Station in the

47

00:03:42,300 --> 00:03:36,939

homestretch of its four orbit 6-hour

48

00:03:54,970 --> 00:03:42,310

fast-track journey but we're at 110

49

00:04:01,119 --> 00:03:58,350

Lokar about progress by Papa and

50

00:04:04,540 --> 00:04:01,129

progress vehicle is right across from

51  
00:04:58,879 --> 00:04:07,570  
and we can confirm visually looking at

52  
00:05:08,309 --> 00:05:02,549  
I'll tell you what and it will be ready

53  
00:05:09,889 --> 00:05:08,319  
to send a command to retreat or escape

54  
00:05:13,159 --> 00:05:09,899  
what would you like

55  
00:05:15,859 --> 00:05:13,169  
escape enabled is what we'd like you to

56  
00:05:38,700 --> 00:05:15,869  
send the command for max at 30 meters

57  
00:05:46,420 --> 00:05:42,060  
please continue to monitor range

58  
00:05:56,980 --> 00:05:46,430  
relative to the size of the target copy

59  
00:05:56,990 --> 00:06:12,460  
Burlison about 17 meters

60  
00:06:16,700 --> 00:06:14,840  
progress moving in at its nominal

61  
00:06:31,860 --> 00:06:16,710  
closing rate of about one tenth of a

62  
00:06:37,800 --> 00:06:35,530  
remember dude I'm not better and we're

63  
00:06:40,710 --> 00:06:37,810

watching through the windows

64

00:06:44,320 --> 00:06:40,720

seeing progress vehicle we're at ten

65

00:06:47,560 --> 00:06:44,330

meters range the target is that the

66

00:06:51,550 --> 00:06:47,570

center crosshairs are aligned SS hope is

67

00:07:04,309 --> 00:06:51,560

still ready scholars follow your decimal

68

00:07:18,089 --> 00:07:08,239

let's bet five meters range are you

69

00:07:23,920 --> 00:07:21,239

seven meters separating the two vehicles

70

00:07:25,450 --> 00:07:23,930

we are standing by for contact and

71

00:07:34,499 --> 00:07:25,460

capture of the International Space

72

00:07:42,249 --> 00:07:38,230

yes I have contact docking confirmed