

1
00:00:45,430 --> 00:00:02,310
this is mission control houston just one

2
00:00:55,029 --> 00:00:46,470
ability

3
00:00:55,039 --> 00:01:00,709
15 seconds from launch

4
00:01:02,630 --> 00:01:01,670
ten

5
00:01:03,510 --> 00:01:02,640
nine

6
00:01:04,390 --> 00:01:03,520
eight

7
00:01:05,350 --> 00:01:04,400
seven

8
00:01:06,310 --> 00:01:05,360
six

9
00:01:07,190 --> 00:01:06,320
five

10
00:01:08,230 --> 00:01:07,200
four

11
00:01:09,109 --> 00:01:08,240
three

12
00:01:12,230 --> 00:01:09,119
two

13
00:01:17,990 --> 00:01:12,240

and one turbo pumps now firing at flight

14

00:01:23,429 --> 00:01:20,950

and liftoff liftoff of the 49 progress

15

00:01:25,670 --> 00:01:23,439

re supply ship rocketing towards the

16

00:01:29,350 --> 00:01:25,680

international space station on its hour

17

00:01:32,630 --> 00:01:30,950

ten seconds into flight booster

18

00:01:38,830 --> 00:01:32,640

ascending into the kazakhstan all

19

00:01:42,310 --> 00:01:40,870

normally first stage booster is

20

00:01:44,069 --> 00:01:42,320

continuing to function normally

21

00:01:45,510 --> 00:01:44,079

according to reports being fed in from

22

00:01:54,950 --> 00:01:45,520

the russian mission control center in

23

00:02:11,510 --> 00:01:56,870

40 seconds into the flight all systems

24

00:02:14,790 --> 00:02:13,110

first stage of the soyuz booster

25

00:02:25,110 --> 00:02:14,800

continuing to fire

26

00:02:30,150 --> 00:02:27,270

70 seconds into the flight

27

00:02:32,150 --> 00:02:30,160

continuing to function nominally

28

00:03:09,910 --> 00:02:32,160

under one minute away from first stage

29

00:03:14,070 --> 00:03:11,589

just under two minutes flight continuing

30

00:03:26,550 --> 00:03:14,080

to function

31

00:03:31,110 --> 00:03:29,430

and the first stage has separated

32

00:03:32,630 --> 00:03:31,120

currently at an altitude of about 30

33

00:03:35,509 --> 00:03:32,640

miles downrange from the baikonur

34

00:03:37,750 --> 00:03:35,519

cosmodrome 73 miles

35

00:03:51,430 --> 00:03:37,760

vehicle traveling at just under 4 000

36

00:03:54,949 --> 00:03:53,270

second stage thrusters the core of the

37

00:03:57,990 --> 00:03:54,959

soyuz rocket continuing to function

38

00:04:16,870 --> 00:04:00,789

the launch round has been jettisoned

39

00:04:20,229 --> 00:04:18,629

just passing over three hours since

40

00:04:23,030 --> 00:04:20,239

launch all systems continuing to

41

00:04:25,909 --> 00:04:23,040

function normally

42

00:04:30,469 --> 00:04:25,919

second stage will continue to fire

43

00:05:00,870 --> 00:04:32,629

vehicle traveling at over 5000 miles an

44

00:05:03,830 --> 00:05:02,310

this is a view inside of the russian

45

00:05:05,990 --> 00:05:03,840

flight control room

46

00:05:07,909 --> 00:05:06,000

in koryov just about to cross the four

47

00:05:09,990 --> 00:05:07,919

minute mark since launch

48

00:05:12,390 --> 00:05:10,000

all stages continuing to function the

49

00:05:14,790 --> 00:05:12,400

second stage currently firing it'll fire

50

00:05:16,710 --> 00:05:14,800

until about the four minute 47 second

51
00:05:22,550 --> 00:05:16,720
mark where the second stage will then

52
00:05:28,870 --> 00:05:24,390
just past the four minute mark all

53
00:05:33,189 --> 00:05:30,710
russian controllers reporting the yaw

54
00:06:09,670 --> 00:05:33,199
pitch and roll maneuvers all going as

55
00:06:15,350 --> 00:06:12,710
so four minute 47 second mark pass

56
00:06:17,990 --> 00:06:15,360
second stage has shut down and separated

57
00:06:19,870 --> 00:06:18,000
at an altitude of 103 miles downrange

58
00:06:23,430 --> 00:06:19,880
from the baikonur cosmodrome of about

59
00:06:51,510 --> 00:06:23,440
178 miles vehicle traveling over 8 600

60
00:06:56,309 --> 00:06:53,350
over five and a half minutes now into

61
00:06:58,390 --> 00:06:56,319
powered flight first and second stages

62
00:07:00,390 --> 00:06:58,400
performing perfectly the third stage

63
00:07:02,150 --> 00:07:00,400

currently continuing to carry the

64

00:07:08,070 --> 00:07:02,160

progress spacecraft towards its orbital

65

00:07:12,309 --> 00:07:10,150

controllers and rush mission control and

66

00:07:17,270 --> 00:07:12,319

coryov continuing to confirm that

67

00:07:20,550 --> 00:07:19,270

just passing the six minute mark of

68

00:07:22,870 --> 00:07:20,560

powered flight

69

00:07:25,350 --> 00:07:22,880

yaw pigeon roll continuing to function

70

00:09:11,829 --> 00:07:25,360

nominally all thrusters performing as

71

00:09:15,430 --> 00:09:13,350

coming up on eight minutes soon of

72

00:09:17,430 --> 00:09:15,440

powered flight

73

00:09:18,470 --> 00:09:17,440

third stage booster is continuing to

74

00:09:20,230 --> 00:09:18,480

fire

75

00:09:21,829 --> 00:09:20,240

as planned

76

00:09:23,110 --> 00:09:21,839

progress on its way towards orbital

77

00:09:25,389 --> 00:09:23,120

insertion

78

00:09:28,150 --> 00:09:25,399

the time of launch the station was about

79

00:09:30,389 --> 00:09:28,160

963 miles ahead of the launch site of

80

00:09:32,310 --> 00:09:30,399

the baikonur cosmodrome

81

00:09:35,990 --> 00:09:32,320

at the time of orbital insertion this

82

00:09:38,230 --> 00:09:36,000

progress will be 2 243 miles behind the

83

00:09:56,630 --> 00:09:38,240

international space station as it begins

84

00:10:01,750 --> 00:09:58,470

so over eight and a half minutes now

85

00:10:01,760 --> 00:10:11,670

coming up soon on third stage shut down

86

00:10:16,550 --> 00:10:13,910

and third stage shutdown confirmed and

87

00:10:24,310 --> 00:10:16,560

separation

88

00:10:32,790 --> 00:10:26,470

controllers also confirming the progress

89

00:10:36,630 --> 00:10:34,949

navigational antennas as well have also

90

00:10:38,470 --> 00:10:36,640

been deployed

91

00:10:42,310 --> 00:10:38,480

again third stage shutdown and

92

00:10:45,670 --> 00:10:44,150

all external structures navigational