



ROSCOSMOS



1
00:00:07,030 --> 00:00:04,710
there's the retraction of the first

2
00:00:25,830 --> 00:00:07,040
umbilical coming up on the 32nd mark

3
00:00:25,840 --> 00:00:37,110
15 seconds until launch

4
00:00:46,389 --> 00:00:39,590
engine start has begun launch command

5
00:00:50,950 --> 00:00:47,830
and liftoff

6
00:00:53,350 --> 00:00:50,960
liftoff of the iss progress 52 cargo

7
00:00:54,790 --> 00:00:53,360
craft on an expedited journey of four

8
00:01:00,709 --> 00:00:54,800
orbits to the international space

9
00:01:11,190 --> 00:01:02,869
pitch and roll program is initiated all

10
00:01:15,830 --> 00:01:13,030
first and second stage boosters are

11
00:01:20,710 --> 00:01:15,840
reported operating normally

12
00:01:23,990 --> 00:01:22,310
the soyuz booster and the progress

13
00:01:42,870 --> 00:01:24,000

resupply craft arching out to the

14

00:01:46,469 --> 00:01:44,310

one minute into the flight everything

15

00:01:49,510 --> 00:01:46,479

looking good

16

00:01:54,710 --> 00:01:49,520

the four strap-on boosters will separate

17

00:01:54,720 --> 00:02:04,469

all reports are good

18

00:02:09,589 --> 00:02:07,749

progress resupply craft heading

19

00:02:15,350 --> 00:02:09,599

in the fast lane to the international

20

00:02:28,390 --> 00:02:18,229

all of the soyuz booster parameters are

21

00:02:34,070 --> 00:02:30,869

the soyuz booster

22

00:02:36,710 --> 00:02:34,080

and the progress 52 cargo craft

23

00:02:38,630 --> 00:02:36,720

arching out to the northeast in excellent

24

00:02:46,710 --> 00:02:38,640

shape

25

00:02:53,670 --> 00:02:50,869

and there's first stage burnout

26

00:02:56,710 --> 00:02:53,680

first stage separation confirmed

27

00:02:59,790 --> 00:02:56,720

at an altitude of 49 kilometers 118

28

00:03:02,149 --> 00:02:59,800

kilometers downrange

29

00:03:11,030 --> 00:03:02,159

1.76 kilometers per second for a

30

00:03:15,190 --> 00:03:12,630

launch shroud jettison has been

31

00:03:18,949 --> 00:03:15,200

confirmed all structural parameters are

32

00:03:21,350 --> 00:03:18,959

normal as the soyuz booster and the

33

00:03:23,270 --> 00:03:21,360

progress 52 cargo craft

34

00:03:31,430 --> 00:03:23,280

head on the fast track to the

35

00:03:35,270 --> 00:03:33,110

the jettisoning of the launch route

36

00:03:36,949 --> 00:03:35,280

occurring at an altitude of 84

37

00:03:47,589 --> 00:03:36,959

kilometers

38

00:03:51,270 --> 00:03:49,270

the vehicle is reported to be in stable

39

00:03:52,869 --> 00:03:51,280

condition all launch parameters are

40

00:03:54,390 --> 00:03:52,879

normal according to flight controllers

41

00:04:03,589 --> 00:03:54,400

at the russian mission control center

42

00:04:09,750 --> 00:04:05,670

this is mission control houston the

43

00:04:12,149 --> 00:04:09,760

progress 52 cargo craft filled with 2.8

44

00:04:14,149 --> 00:04:12,159

tons of supplies for the

45

00:04:15,990 --> 00:04:14,159

expedition 36 crew on board the

46

00:04:19,189 --> 00:04:16,000

international space station

47

00:04:21,749 --> 00:04:19,199

launched on time at 3 45 and 8 seconds

48

00:04:23,670 --> 00:04:21,759

p.m central time at that moment the

49

00:04:26,550 --> 00:04:23,680

international space station was flying

50

00:04:28,469 --> 00:04:26,560

over southern russia near the kazakh

51

00:04:29,430 --> 00:04:28,479

mongolian border

52

00:04:31,510 --> 00:04:29,440

the

53

00:04:34,230 --> 00:04:31,520

almost nine minute climb to orbit was

54

00:04:37,030 --> 00:04:34,240

uneventful

55

00:04:39,270 --> 00:04:37,040

at the time of third stage shutdown and

56

00:04:42,550 --> 00:04:39,280

separation of the soyuz booster

57

00:04:45,189 --> 00:04:42,560

the progress uh began the

58

00:04:47,749 --> 00:04:45,199

process of deploying its solar arrays

59

00:04:50,390 --> 00:04:47,759

and all of its navigational antennas all