



1
00:00:10,549 --> 00:00:04,309
45 seconds until launch

2
00:00:10,559 --> 00:00:17,189
the first umbilical has retracted

3
00:00:20,950 --> 00:00:18,870
we are now standing by for the start of

4
00:00:32,709 --> 00:00:20,960
the initiation of the engine start

5
00:00:32,719 --> 00:00:38,709
the auto sequence has now been initiated

6
00:00:38,719 --> 00:00:43,670
launch command has been initiated

7
00:00:43,680 --> 00:00:49,190
we have engine start

8
00:00:49,200 --> 00:00:59,830
turbo pumps coming up to flight speed

9
00:01:05,509 --> 00:01:02,310
and liftoff

10
00:01:07,750 --> 00:01:05,519
liftoff of the 64th progress resupply

11
00:01:12,950 --> 00:01:07,760
craft bound for the international space

12
00:01:22,469 --> 00:01:15,190
the progress arcing out to the northeast

13
00:01:22,479 --> 00:01:45,990

all parameters are reported to be normal

14

00:01:50,469 --> 00:01:48,149

chamber pressure is reported to be good

15

00:01:54,389 --> 00:01:50,479

all structural parameters are operating

16

00:01:54,399 --> 00:01:58,469

good yaw pitch and roll program

17

00:01:58,479 --> 00:02:08,949

one minute 15 seconds into the flight

18

00:02:27,589 --> 00:02:11,029

the block house in baikonur reports

19

00:02:34,309 --> 00:02:29,990

we'll be standing by for first stage

20

00:02:34,319 --> 00:02:57,990

one minute 50 seconds into the flight

21

00:03:02,630 --> 00:02:59,430

and there you have it first stage

22

00:03:04,309 --> 00:03:02,640

separation everything normal

23

00:03:07,430 --> 00:03:04,319

the soyuz booster and the progress

24

00:03:09,990 --> 00:03:07,440

resupply craft 30 miles in altitude 73

25

00:03:13,670 --> 00:03:10,000

miles downrange traveling almost 4 000

26

00:03:18,229 --> 00:03:15,830

all structural parameters continue to be