



1
00:00:02,159 --> 00:00:07,670
the launch command has been issued

2
00:00:12,470 --> 00:00:10,310
the umbilicals have been retracted

3
00:00:21,590 --> 00:00:12,480
we have main engine start

4
00:00:27,990 --> 00:00:24,470
engines at maximum start and liftoff

5
00:00:30,150 --> 00:00:28,000
liftoff of the iss progress 59 cargo

6
00:00:40,229 --> 00:00:30,160
ship on a fast track journey to the

7
00:00:57,270 --> 00:00:42,470
25 seconds into the flight good roll

8
00:01:03,670 --> 00:00:59,110
all structural parameters are reported

9
00:01:07,910 --> 00:01:05,350
the chase has begun to reach the

10
00:01:17,510 --> 00:01:07,920
international space station 52 seconds

11
00:01:22,469 --> 00:01:19,910
launch time confirmed at 209 and 50

12
00:01:24,789 --> 00:01:22,479
seconds a.m central time 109 and 50

13
00:01:26,789 --> 00:01:24,799

seconds p.m at baikonur

14

00:01:28,789 --> 00:01:26,799

now uh the vehicle uh passing through

15

00:01:33,830 --> 00:01:28,799

maximum dynamic pressure

16

00:01:37,429 --> 00:01:35,749

roll pitch and yaw all structural

17

00:01:48,710 --> 00:01:37,439

parameters reported normal from the

18

00:01:52,830 --> 00:01:50,870

all control systems are reported

19

00:01:55,670 --> 00:01:52,840

operating

20

00:01:57,590 --> 00:01:55,680

normally we will be expecting first

21

00:01:59,830 --> 00:01:57,600

stage separation

22

00:02:02,630 --> 00:01:59,840

of the four strap-on boosters at about

23

00:02:17,990 --> 00:02:02,640

the one-minute 58-second mark into the

24

00:02:18,000 --> 00:02:26,790

foreign

25

00:02:32,869 --> 00:02:30,630

first stage separation is confirmed

26

00:02:35,030 --> 00:02:32,879

the soyuz booster now 30 miles in