



1
00:00:05,349 --> 00:00:02,790
issued for ignition

2
00:00:07,909 --> 00:00:05,359
second umbilical tower separates

3
00:00:10,070 --> 00:00:07,919
the second umbilical tower has retracted

4
00:00:12,549 --> 00:00:10,080
you can see the engines firing now going

5
00:00:14,150 --> 00:00:12,559
up to flight speed

6
00:00:15,910 --> 00:00:14,160
and liftoff

7
00:00:18,390 --> 00:00:15,920
shane kimbrough sergey rizhikov and

8
00:00:20,630 --> 00:00:18,400
andre borisenko blasting off from

9
00:00:28,390 --> 00:00:20,640
kazakhstan making their way towards the

10
00:00:33,430 --> 00:00:32,150
15 seconds getting good calls from the

11
00:00:35,270 --> 00:00:33,440
teams down in baikonur everything

12
00:00:36,950 --> 00:00:35,280
looking nominal or normal throughout the

13
00:00:39,670 --> 00:00:36,960

flight so far

14

00:00:43,110 --> 00:00:39,680

the first stage of the soyuz delivering

15

00:00:45,110 --> 00:00:43,120

delivering 930 000 pounds of thrust from