



1  
00:00:02,576 --> 00:00:04,276  
T minus 15 and counting.

2  
00:00:04,276 --> 00:00:07,806  
T minus ten...

3  
00:00:07,806 --> 00:00:08,916  
nine... eight...

4  
00:00:08,916 --> 00:00:10,866  
seven... six...

5  
00:00:11,276 --> 00:00:12,666  
five... four...

6  
00:00:13,196 --> 00:00:14,636  
three... two...

7  
00:00:14,636 --> 00:00:18,516  
one. And ignition.

8  
00:00:20,246 --> 00:00:24,306  
Lift off! Lift off of  
Kevin Ford, Evgeny Tarelkin

9  
00:00:24,756 --> 00:00:27,366  
and Oleg Novitskiy as they  
head on a two-day trip

10  
00:00:27,466 --> 00:00:28,836  
to the International  
Space Station.

11  
00:00:36,276 --> 00:00:37,766  
Feels good.

12  
00:00:42,996 --> 00:00:44,116  
35 seconds.

13

00:00:45,216 --> 00:00:46,696  
30 seconds into the flight.

14

00:00:46,696 --> 00:00:47,926  
Good first stage performance.

15

00:00:47,926 --> 00:00:50,386  
The Soyuz delivering  
102 tons of thrust

16

00:00:50,386 --> 00:00:52,406  
from its four boosters  
and single engine.

17

00:00:52,966 --> 00:00:56,026  
The first stage of the Soyuz  
measures 68 feet in length

18

00:00:56,026 --> 00:00:57,486  
and 24 feet in diameter.

19

00:00:57,656 --> 00:01:00,186  
It is burning liquid fuel  
for the first 2 minutes

20

00:01:00,286 --> 00:01:01,286  
and 6 seconds of the flight.

21

00:01:10,536 --> 00:01:12,916  
50 seconds. Thrust is nominal.

22

00:01:14,516 --> 00:01:15,836  
Everything's okay onboard.

23

00:01:22,636 --> 00:01:26,026  
Pitch, yaw, rotation nominal.

24

00:01:26,756 --> 00:01:28,656  
One minute, 10 seconds  
into the flight.

25  
00:01:28,656 --> 00:01:31,846  
Velocity is 1,100  
miles per hour already.

26  
00:01:32,236 --> 00:01:34,256  
The numbers still good.

27  
00:01:41,326 --> 00:01:43,726  
80 seconds, all parameters  
are nominal.

28  
00:01:44,906 --> 00:01:46,926  
Everything's fine onboard.

29  
00:01:46,926 --> 00:01:48,716  
One minute, 30 seconds  
into the flight.

30  
00:01:48,926 --> 00:01:50,096  
Everything looking green.

31  
00:01:50,096 --> 00:01:52,926  
The crew is reporting  
that everything is fine.

32  
00:01:53,166 --> 00:01:54,936  
Thrusters are nominal.

33  
00:01:55,966 --> 00:01:57,586  
We heard alarm.

34  
00:02:00,426 --> 00:02:04,146  
Inaudible. But everything  
is okay onboard.

35

00:02:13,446 --> 00:02:15,116

One minute, 54 seconds  
into the flight.

36

00:02:15,116 --> 00:02:16,706

The escape tower  
has been jettisoned.

37

00:02:17,016 --> 00:02:18,296

120 seconds.

38

00:02:22,026 --> 00:02:22,786

Everything is okay onboard.

39

00:02:22,786 --> 00:02:24,836

The four strap on boosters  
have now been jettisoned.

40

00:02:24,836 --> 00:02:26,626

These have completed their  
job and have dropped away

41

00:02:26,626 --> 00:02:28,436

at an altitude of  
28 statute miles.

42

00:02:28,436 --> 00:02:32,086

The Soyuz is now traveling  
about 3,350 miles per hour.

43

00:02:36,096 --> 00:02:37,446

There is a view inside.

44

00:02:37,446 --> 00:02:39,166

The hippopotamus there  
up above the crew.

45

00:02:39,166 --> 00:02:41,756

That is Evgeny Tarelkin there  
on the far right-hand side.

46

00:02:41,756 --> 00:02:43,346

Oleg Novitskiy, who  
is the commander.

47

00:02:43,726 --> 00:02:45,696

There at the bottom left  
hand side is NASA astronaut

48

00:02:45,696 --> 00:02:46,526

Kevin Ford.

49

00:02:46,526 --> 00:02:47,796

All parameters are nominal.

50

00:02:47,796 --> 00:02:50,576

The numbers still good.

51

00:02:50,806 --> 00:02:52,576

Three minutes, three  
seconds into the flight.