



1
00:00:18,266 --> 00:00:13,141
[inaudible]

2
00:00:18,766 --> 00:00:29,386
[Commentator:] T-minus 30 seconds and counting.

3
00:00:29,386 --> 00:00:30,856
T-minus 20 seconds and counting.

4
00:00:30,856 --> 00:00:32,396
The launch command has now been issued.

5
00:00:32,396 --> 00:00:33,266
[inaudible]

6
00:00:33,266 --> 00:00:36,676
T-minus 15 seconds and counting.

7
00:00:36,676 --> 00:00:38,686
The second umbilical tower is now separating.

8
00:00:38,686 --> 00:00:39,616
T-minus 10...

9
00:00:39,616 --> 00:00:40,616
Nine...

10
00:00:40,616 --> 00:00:41,616
Eight...

11
00:00:41,616 --> 00:00:42,616
Seven...

12
00:00:42,616 --> 00:00:43,616
Six...

13
00:00:43,616 --> 00:00:44,616

Five...

14

00:00:44,616 --> 00:00:45,616

Four...

15

00:00:45,616 --> 00:00:46,616

Three...

16

00:00:46,616 --> 00:00:47,616

Two...

17

00:00:47,616 --> 00:00:48,616

One.

18

00:00:48,616 --> 00:00:50,573

[inaudible]

19

00:00:52,796 --> 00:01:00,286

Liftoff. Liftoff of the Soyuz TMA-22 with Dan Burbank, Anton Shkaplerov and Anatoly Ivanishin

20

00:01:00,286 --> 00:01:03,046

as they head toward the International Space Station due

21

00:01:03,046 --> 00:01:09,546

for a rendezvous and docking on Tuesday.

22

00:01:09,546 --> 00:01:12,546

The visiting vehicle officer reporting good first-stage performance,

23

00:01:12,546 --> 00:01:17,616

the Soyuz delivering 102 tons of thrust from its four boosters and single engine.

24

00:01:17,616 --> 00:01:18,006

[Foreign]

25

00:01:18,006 --> 00:01:19,636

[Translator:] Stage one thrusters...

26

00:01:19,636 --> 00:01:22,166

[Commentator:] The first stage
of the Soyuz measures 68 feet

27

00:01:22,166 --> 00:01:23,916

in length and 24 feet in diameter.

28

00:01:25,246 --> 00:01:37,626

It is burning liquid fuel for the first
two minutes and six seconds of the flight.

29

00:01:37,626 --> 00:01:38,756

[Foreign]

30

00:01:38,756 --> 00:01:40,536

[Translator:] [inaudible]

Everything's okay on board.

31

00:01:40,536 --> 00:01:41,506

The crew feels good.

32

00:01:42,206 --> 00:01:45,646

[Commentator:] Shkaplerov and Ivanishin there,
continuing to look over their procedures.

33

00:01:47,596 --> 00:01:49,986

[Translator:] Pressure is nominal.

34

00:01:50,586 --> 00:01:52,606

One minute into the flight, all systems nominal.

35

00:01:52,606 --> 00:01:52,673

[Foreign]

36

00:01:52,673 --> 00:01:59,396

[Translator:] The vehicle is stable.

37

00:01:59,676 --> 00:02:01,816

[Commentator:] There's our first live view of Dan Burbank there,

38

00:02:01,816 --> 00:02:03,626

sitting in the right seat of the Soyuz.

39

00:02:03,796 --> 00:02:04,726

[Translator:]...motion is smooth.

40

00:02:04,726 --> 00:02:06,716

[Commentator:] Anton Shkaplerov there, in the middle.

41

00:02:06,716 --> 00:02:08,146

He is the commander of this vehicle.

42

00:02:08,636 --> 00:02:09,146

[Translator:]...nominal.

43

00:02:09,456 --> 00:02:12,706

[Commentator:] And just to the right of frame is Ivanishin.

44

00:02:13,046 --> 00:02:15,616

All three crew members continuing to watch over the procedures

45

00:02:15,616 --> 00:02:17,016

and watch the performance of the vehicle.

46

00:02:17,236 --> 00:02:19,156

[Translator:] Stage two thrusters operated nominally.

47

00:02:19,156 --> 00:02:19,223

[Foreign]

48
00:02:19,223 --> 00:02:22,896
[Translator:] Everything's okay on board.

49
00:02:22,896 --> 00:02:23,756
The crew feels good.

50
00:02:23,826 --> 00:02:24,236
Copy.

51
00:02:25,896 --> 00:02:28,656
[Commentator:] Flight controllers
continue to confirm

52
00:02:28,656 --> 00:02:31,036
that the Soyuz is flying true and nominal.

53
00:02:34,266 --> 00:02:39,646
Inside the International Space
Station, Mike Fossum, Sergei Volkov

54
00:02:39,646 --> 00:02:44,236
and Satoshi Furukawa are watching
inside the Destiny laboratory

55
00:02:44,236 --> 00:02:49,426
as their fellow Expedition 29 colleagues head
up toward the International Space Station.

56
00:02:49,426 --> 00:02:52,896
They'll be docking with the orbiting
complex coming up on Tuesday evening.

57
00:02:52,896 --> 00:02:54,786
[Foreign]

58
00:02:54,786 --> 00:02:59,316
[Translator:] Stage three thrusters are off.

59

00:02:59,676 --> 00:03:01,396

Separation confirmed.

60

00:03:01,476 --> 00:03:03,936

[Commentator:] Confirmation
of third-stage separation.

61

00:03:04,876 --> 00:03:15,126

And as you can see from the Angry Bird floating
up above Shkaplerov, the crew has reached orbit.