1
00:00:18,390 --> 00:00:15,430
and there goes the first of the two

2
00:00:21,990 --> 00:00:18,400
tenutia satellites deployed manually by

3
00:00:24,550 --> 00:00:22,710
the

4
00:00:26,070 --> 00:00:24,560
trajectory operations officer our

5
00:00:28,230 --> 00:00:26,080
ballistics officer here in mission

6
00:00:30,470 --> 00:00:28,240
control reports a good trajectory as it

7
00:00:33,030 --> 00:00:30,480
goes away

8
00:00:33,990 --> 00:00:33,040
are you ready to just listen we are

9
00:00:35,190 --> 00:00:34,000
go

10
00:00:37,110 --> 00:00:35,200
yeah

11
00:00:41,350 --> 00:00:37,120
no and there goes the second tunusha

12
00:00:43,430 --> 00:00:41,360
satellite at 10 16 a.m central time

13
00:00:45,750 --> 00:00:43,440

so three out of the five satellites have

14
00:01:09,429 --> 00:00:45,760
been deployed now the other two coming

15
00:01:09,439 --> 00:01:15,510
sure good no stella

16
00:01:21,510 --> 00:01:17,590
so i'm taking it out

17
00:01:21,520 --> 00:01:34,310
so go ahead and take it

18
00:01:50,389 --> 00:01:36,550
select the best body position

19
00:02:08,249 --> 00:01:52,069
can you please um

20
00:02:08,259 --> 00:02:20,070
[Music]

21
00:02:25,510 --> 00:02:22,790
ready for jettison

22
00:02:34,710 --> 00:02:25,520
that's what we're doing

23
00:02:34,720 --> 00:02:48,150
yes

24
00:02:56,470 --> 00:02:52,070
and

25
00:03:00,149 --> 00:02:56,480
nano satellites now cast away by sergey

26
00:03:02,630 --> 00:03:00,159
ryazanskiy at 10 21 a.m this being the

27
00:03:04,550 --> 00:03:02,640
tns zero satellite

28
00:03:06,550 --> 00:03:04,560
a good deployment a good trajectory

29
00:03:08,229 --> 00:03:06,560
reported by our trajectory operations

30
00:03:09,270 --> 00:03:08,239
officer here in mission control and a

31
00:03:13,190 --> 00:03:09,280
good view

32
00:03:15,030 --> 00:03:13,200
of the tns zero satellite again this

33
00:03:16,790 --> 00:03:15,040
particular satellite designed to test

34
00:03:18,710 --> 00:03:16,800
technologies for the creation of new

35
00:03:21,030 --> 00:03:18,720
space telecommunication

36
00:03:23,190 --> 00:03:21,040
and navigation systems the satellite

37
00:03:24,390 --> 00:03:23,200
actually will send back signals to

38
00:03:26,550 --> 00:03:24,400

communicate

39
00:03:28,949 --> 00:03:26,560
via the global star system and an

40
00:03:30,789 --> 00:03:28,959
additional vhf channel that the russian

41
00:03:34,070 --> 00:03:30,799
flight controllers in karl yath will

42
00:03:34,080 --> 00:03:40,630
sergei

43
00:03:48,949 --> 00:03:44,710
in your lcg we showed moscow that

44
00:03:51,350 --> 00:03:48,959
using these newly designed hooks is

45
00:03:53,270 --> 00:03:51,360
awesome

46
00:03:55,110 --> 00:03:53,280
a good view from the helmet camera of

47
00:03:57,990 --> 00:03:55,120
sergey ryazanskiy in the fourth

48
00:04:00,550 --> 00:03:58,000
spacewalk of his career as he holds on

49
00:04:01,670 --> 00:04:00,560
for the next few moments at least to the

50
00:04:03,509 --> 00:04:01,680
final

51
00:04:05,429 --> 00:04:03,519
uh satellite of the complement of five

52
00:04:08,869 --> 00:04:05,439
nano satellites that are being deployed

53
00:04:11,270 --> 00:04:08,879
today because it's round so

54
00:04:15,030 --> 00:04:11,280
and uh the fifth and final satellite the

55
00:04:17,349 --> 00:04:15,040
zircallo satellite way at 10 29

56
00:04:19,110 --> 00:04:17,359
a.m central time all five satellites

57
00:04:20,629 --> 00:04:19,120
have now been deployed and our

58
00:04:22,629 --> 00:04:20,639
ballistics officer here in mission

59
00:04:33,730 --> 00:04:22,639
control reports the trajectory of all

60
00:04:33,740 --> 00:04:40,390
[Music]

61
00:04:40,400 --> 00:04:48,150
oh

62
00:04:53,830 --> 00:04:51,189
material science uh experiments uh right

63
00:04:56,469 --> 00:04:53,840

outside of the hatchway to the piers was

64
00:05:08,990 --> 00:04:56,479
retrieved by your chicken and ryazanskiy