1
00:00:01,439 --> 00:00:20,550
standing by for physical separation

2
00:00:26,630 --> 00:00:24,310
at 12 52 a.m central time 1 52 a.m

3
00:00:29,109 --> 00:00:26,640
eastern time

4
00:00:32,709 --> 00:00:29,119
as the soyuz and the international space

5
00:00:41,830 --> 00:00:32,719
station flew 254 miles over far eastern

6
00:00:41,840 --> 00:00:45,670
give me your estimate

7
00:00:50,069 --> 00:00:48,630
with undocking expedition 48 is now

8
00:00:51,990 --> 00:00:50,079
formally underway aboard the

9
00:00:58,389 --> 00:00:52,000
international space station under the

10
00:01:03,430 --> 00:01:01,029
what is your estimate of the docking

11
00:01:03,440 --> 00:01:06,469
no comments

12
00:01:19,749 --> 00:01:07,429
copy

13
00:01:23,910 --> 00:01:21,910

and this is a view from the soyuz as it

14
00:01:26,310 --> 00:01:23,920
backs away from the rassvet module of

15
00:01:29,510 --> 00:01:26,320
the international space station again

16
00:01:30,469 --> 00:01:29,520
undocking occurring on time at 12 52 a.m

17
00:01:33,190 --> 00:01:30,479
central

18
00:01:41,270 --> 00:01:33,200
1 52 a.m eastern time

19
00:01:44,950 --> 00:01:43,749
waiting for the first burn in three

20
00:01:50,789 --> 00:01:44,960
minutes

21
00:01:54,389 --> 00:01:52,310
we're about a minute away from the first

22
00:01:56,389 --> 00:01:54,399
separation burn again that will be an

23
00:01:59,030 --> 00:01:56,399
eight second burn

24
00:02:01,590 --> 00:01:59,040
to increase the opening rate between the

25
00:02:19,430 --> 00:02:01,600
soyuz and the station by about six

26
00:02:24,309 --> 00:02:20,510
sorry

27
00:02:43,030 --> 00:02:24,319
cma19m departing farewell gentlemen c on

28
00:02:47,589 --> 00:02:45,350
the traditional ringing of the bell on

29
00:02:48,830 --> 00:02:47,599
board the international space station by

30
00:02:52,550 --> 00:02:48,840
its new

31
00:02:54,790 --> 00:02:52,560
commander nasa's jeff williams

32
00:02:59,190 --> 00:02:54,800
good luck to you

33
00:02:59,200 --> 00:03:04,470
see you soon

34
00:03:09,910 --> 00:03:06,949
having launched uh last december 15th

35
00:03:16,830 --> 00:03:09,920
the soyuz tma-19m begins the journey

36
00:03:25,830 --> 00:03:21,990
kazakhstan thruster activation yes

37
00:03:37,030 --> 00:03:28,630
eight seconds

38
00:03:37,040 --> 00:03:48,229

yes we can observe the maneuver

39
00:03:50,869 --> 00:03:49,910
less than two minutes away from the

40
00:04:07,830 --> 00:03:50,879
second

41
00:04:37,909 --> 00:04:11,190
the soyuz spacecraft has completed an

42
00:04:43,909 --> 00:04:41,030
second separation burn now underway

43
00:04:47,110 --> 00:04:43,919
this is about a 30-second burn to

44
00:04:51,270 --> 00:04:47,120
increase the opening rate by about 1.6

45
00:04:51,280 --> 00:05:08,950
we can see thruster activation

46
00:05:30,790 --> 00:05:11,029
and the second separation burn complete

47
00:05:30,800 --> 00:05:38,150
deactivated

48
00:05:43,749 --> 00:05:41,430
good views of the soyuz tma-19m

49
00:05:46,390 --> 00:05:43,759
spacecraft with tim copra tim peake and

50
00:05:48,790 --> 00:05:46,400
yuri malenchenko on board

51
00:05:51,189 --> 00:05:48,800
as the soyuz and the international space

52
00:05:54,469 --> 00:05:51,199
station fly over the northernmost

53
00:05:54,479 --> 00:06:03,350
and now a1

54
00:06:06,629 --> 00:06:04,950
a1

55
00:06:10,469 --> 00:06:06,639
executed

56
00:06:14,390 --> 00:06:10,479
and we have indicator illuminated

57
00:06:19,350 --> 00:06:14,400
and ss repaired to off

58
00:06:31,909 --> 00:06:21,909
indicators are not illuminated

59
00:06:36,870 --> 00:06:34,390
yuri malenchenko the veteran soyuz

60
00:06:40,070 --> 00:06:36,880
commander in the home stretch of his

61
00:06:41,990 --> 00:06:40,080
sixth flight into space is now uh

62
00:06:44,629 --> 00:06:42,000
setting uh

63
00:06:48,390 --> 00:06:44,639

the controls on board the spacecraft

64
00:06:50,790 --> 00:06:48,400
from the undocking uh set of commands to

65
00:06:52,710 --> 00:06:50,800
the different set of ballistics commands

66
00:06:53,909 --> 00:06:52,720
that will set the stage for the de-orbit

67
00:06:56,230 --> 00:06:53,919
burn

68
00:06:58,550 --> 00:06:56,240
that will begin the trek home for the

69
00:06:59,670 --> 00:06:58,560
soyuz the deorbit burn schedule two