1
00:00:06,070 --> 00:00:04,150
yes it's one uh stripe there but

2
00:00:08,150 --> 00:00:06,080
actually it's more convenient for us

3
00:00:11,350 --> 00:00:08,160
okay that's great

4
00:00:13,190 --> 00:00:11,360
now the soyuz view again 1.6

5
00:00:16,710 --> 00:00:13,200
kilometers from the station you see that

6
00:00:20,790 --> 00:00:16,720
in the lower left quadrant of that

7
00:00:28,630 --> 00:00:20,800
overlay of the soyuz camera 5.3 meter

8
00:00:32,229 --> 00:00:31,189
the automated rendezvous and docking

9
00:00:33,590 --> 00:00:32,239
system

10
00:00:35,350 --> 00:00:33,600
determining

11
00:00:37,510 --> 00:00:35,360
the targeting points

12
00:00:39,270 --> 00:00:37,520
for the fly around

13
00:00:42,630 --> 00:00:39,280

mode to begin

14
00:00:44,470 --> 00:00:42,640
as well as the station keeping

15
00:00:47,190 --> 00:00:44,480
start which is uh

16
00:00:50,229 --> 00:00:47,200
currently targeted for about 32 minutes

17
00:00:52,310 --> 00:00:50,239
after the hour and the range rate is 1.5

18
00:00:54,310 --> 00:00:52,320
copied

19
00:00:56,950 --> 00:00:54,320
the size of the

20
00:01:00,470 --> 00:00:56,960
international space station is

21
00:01:03,510 --> 00:01:00,480
just about that of a u.s football field

22
00:01:05,670 --> 00:01:03,520
from end to end the station's um

23
00:01:09,429 --> 00:01:05,680
truss structure and solar away solar

24
00:01:10,710 --> 00:01:09,439
array wings extend about 357 feet in

25
00:01:11,510 --> 00:01:10,720
length

26
00:01:18,710 --> 00:01:11,520
the

27
00:01:21,510 --> 00:01:18,720
is uh more than 240 feet long

28
00:01:23,190 --> 00:01:21,520
and provides

29
00:01:35,670 --> 00:01:23,200
more than 32

30
00:01:42,710 --> 00:01:39,749
range is 200 range rate is 0.2

31
00:01:45,270 --> 00:01:42,720
and we're continuing the roll maneuver

32
00:01:47,270 --> 00:01:45,280
with copy

33
00:01:49,749 --> 00:01:47,280
so the roll maneuver now that the soyuz

34
00:01:52,069 --> 00:01:49,759
is in the proper location as the roll

35
00:01:53,590 --> 00:01:52,079
maneuver actually places the vehicle's

36
00:01:56,950 --> 00:01:53,600
docking system

37
00:01:59,270 --> 00:01:56,960
on target for that rasviet docking

38
00:02:01,350 --> 00:01:59,280

port as well

39
00:02:02,789 --> 00:02:01,360
we are fly we are performing the fly

40
00:02:20,830 --> 00:02:02,799
around maneuver

41
00:02:27,830 --> 00:02:22,630
angle

42
00:02:27,840 --> 00:02:34,869
right now

43
00:02:40,869 --> 00:02:36,630
and i think it's

44
00:02:46,869 --> 00:02:43,910
one square and the range is 170 range

45
00:02:49,750 --> 00:02:46,879
rate is 0 0 3.

46
00:02:55,270 --> 00:02:52,390
we show the final approach and we

47
00:02:58,229 --> 00:02:55,280
confirmed zavcon

48
00:03:03,110 --> 00:02:58,239
i understand that you have to have

49
00:03:09,750 --> 00:03:04,869
we show

50
00:03:16,229 --> 00:03:09,760
final approach and we are looking at the

51
00:03:16,239 --> 00:03:21,350
we are entering the eclipse

52
00:03:25,990 --> 00:03:23,589
we are in the eclipse

53
00:03:28,630 --> 00:03:26,000
range is 0.65

54
00:03:30,830 --> 00:03:28,640
range rate is 0 27 we see the docking

55
00:03:32,630 --> 00:03:30,840
mechanism you see the target and the

56
00:03:37,110 --> 00:03:32,640
crosshairs

57
00:03:39,910 --> 00:03:37,120
and the range is 0.6 range rate is 0.27

58
00:03:56,149 --> 00:03:42,149
we are in the eclipse and i see the

59
00:04:00,949 --> 00:03:59,030
now inside about three meters or about

60
00:04:03,990 --> 00:04:00,959
10 feet

61
00:04:05,270 --> 00:04:04,000
standing by for contact and capture

62
00:04:08,390 --> 00:04:05,280
we are

63
00:04:10,470 --> 00:04:08,400

waiting for contact the range is less

64
00:04:13,350 --> 00:04:10,480
than one minute we are standing by for

65
00:04:18,069 --> 00:04:14,470
the missions

66
00:04:25,270 --> 00:04:21,430
range rate is zero zero nine

67
00:04:25,280 --> 00:04:35,110
we are in the indicator mode

68
00:04:40,550 --> 00:04:37,830
and we have contact and capture docking

69
00:04:43,110 --> 00:04:40,560
of the soyuz tma-17m

70
00:04:47,909 --> 00:04:43,120
with the international space station

71
00:04:53,110 --> 00:04:47,919
docking at 9 45 p.m central time 10 45.

72
00:04:53,120 --> 00:05:00,150
all right

73
00:05:04,150 --> 00:05:01,909
at the time of docking the international

74
00:05:06,310 --> 00:05:04,160
space station

75
00:05:08,830 --> 00:05:06,320
tracking toward the equator and the