



1
00:00:06,950 --> 00:00:05,030
at this point the undock command has

2
00:00:28,870 --> 00:00:06,960
been sent standing by for physical

3
00:00:28,880 --> 00:00:36,150
what's

4
00:00:41,670 --> 00:00:38,510
and physical separation of the soyuz

5
00:00:44,150 --> 00:00:41,680
tma-16m confirmed while the station was

6
00:00:56,709 --> 00:00:44,160
about 249.

7
00:01:01,990 --> 00:00:59,910
can you report to us on the status of

8
00:01:04,310 --> 00:01:02,000
the document interface

9
00:01:05,429 --> 00:01:04,320
i understand the question but

10
00:01:08,789 --> 00:01:05,439
we're

11
00:01:11,109 --> 00:01:08,799
separating not very quickly so we can't

12
00:01:15,190 --> 00:01:11,119
see the surfaces of the entire interface

13
00:01:21,350 --> 00:01:18,230

five command and work

14

00:01:23,990 --> 00:01:21,360
again the soyuz now backing away slowly

15

00:01:25,990 --> 00:01:24,000
at a rate of only about a tenth of a

16

00:01:30,950 --> 00:01:26,000
meter per second that's what it'll max

17

00:01:37,670 --> 00:01:35,350
it'll back out for about three minutes

18

00:01:39,990 --> 00:01:37,680
and then conduct a rotation and then

19

00:01:42,710 --> 00:01:40,000
begin to fly around

20

00:01:43,590 --> 00:01:42,720
so he's flying itself around over uh to

21

00:01:48,710 --> 00:01:43,600
the

22

00:01:50,630 --> 00:01:48,720
zvezda service module

23

00:01:53,830 --> 00:01:50,640
but again uh the

24

00:01:55,830 --> 00:01:53,840
so you use tma-16m now flying free that

25

00:01:58,950 --> 00:01:55,840
physical separation the undocking coming

26

00:02:00,630 --> 00:01:58,960

again at 2 12 a.m central time while the

27

00:02:03,830 --> 00:02:00,640

international space station and the

28

00:02:21,270 --> 00:02:03,840

soyuz were about 249 statute miles over

29

00:02:26,869 --> 00:02:22,710

right and we're

30

00:02:28,790 --> 00:02:26,879

breaking right now at about 45 meters

31

00:02:32,949 --> 00:02:28,800

station

32

00:02:35,110 --> 00:02:32,959

and now it's being lit by the sun so

33

00:02:37,990 --> 00:02:35,120

we can see it better

34

00:02:40,390 --> 00:02:38,000

again the fly around continuing uh

35

00:02:43,110 --> 00:02:40,400

expedition 44 commander gennady padalka

36

00:02:44,470 --> 00:02:43,120

at the controls maneuvering the soyuz

37

00:02:46,390 --> 00:02:44,480

over to

38

00:02:48,830 --> 00:02:46,400

its

39

00:02:51,589 --> 00:02:48,840
new location over on the after end of

40

00:02:53,270 --> 00:02:51,599
zvezda range is still about 45 to 50

41

00:02:57,030 --> 00:02:53,280
meters

42

00:02:57,040 --> 00:03:16,229
copy

43

00:03:16,239 --> 00:03:27,910
adjusting the role

44

00:03:36,070 --> 00:03:30,390
we can see the target very well

45

00:03:50,149 --> 00:03:38,630
you still want us to keep the wide-angle

46

00:03:56,070 --> 00:03:53,990
as the fly around just about completed

47

00:03:57,830 --> 00:03:56,080
again at the conclusion of the fly

48

00:03:59,270 --> 00:03:57,840
around they'll enter into a period of

49

00:04:01,589 --> 00:03:59,280
what's known as station keeping

50

00:04:02,630 --> 00:04:01,599
basically just fine tuning making sure

51
00:04:04,789 --> 00:04:02,640
they're

52
00:04:06,949 --> 00:04:04,799
honed in on the docking port at the back

53
00:04:10,949 --> 00:04:06,959
end of the zvezda service module before

54
00:04:14,550 --> 00:04:12,789
and the visiting vehicle officer here in

55
00:04:17,110 --> 00:04:14,560
mission control houston confirming that

56
00:04:22,710 --> 00:04:17,120
final approach has begun can you confirm

57
00:04:27,749 --> 00:04:25,270
the soyuz craft now

58
00:04:30,550 --> 00:04:27,759
lined up and on its way towards its new

59
00:04:34,790 --> 00:04:30,560
docking port at this vesa service module

60
00:04:34,800 --> 00:04:41,189
anyway range 15 meters three squares

61
00:04:45,430 --> 00:04:44,230
let me focus it in a little bit

62
00:04:54,150 --> 00:04:45,440
i think

63
00:04:54,160 --> 00:05:02,870

they're just a couple of meters to go

64

00:05:02,880 --> 00:05:28,710

standing by for contact

65

00:05:33,749 --> 00:05:30,950

and contact is confirmed

66

00:05:37,510 --> 00:05:33,759

and contact and capture redocking

67

00:05:40,150 --> 00:05:37,520

confirmed at 2 30 a.m central time 3 30

68

00:05:41,590 --> 00:05:40,160

a.m eastern while the station's flying

69

00:05:43,189 --> 00:05:41,600

just over the northern part of

70

00:05:45,990 --> 00:05:43,199

kazakhstan

71

00:05:48,310 --> 00:05:46,000

can you switch to so again the tma-16m

72

00:05:51,189 --> 00:05:48,320

now re-docked to the aft portion of the

73

00:05:55,029 --> 00:05:51,199

zvezda service module that re-docking

74

00:05:55,990 --> 00:05:55,039

coming at 2 30 a.m central time 3 30 a.m

75

00:05:58,710 --> 00:05:56,000

eastern

