



1
00:00:13,030 --> 00:00:10,950
the international space station growing

2
00:00:16,630 --> 00:00:13,040
ever larger in the field of view with

3
00:00:19,670 --> 00:00:16,640
the soyuz now just 1.6 kilometers away

4
00:00:21,670 --> 00:00:19,680
closing at a rate of 4 meters per second

5
00:00:23,750 --> 00:00:21,680
at the time of the final approach in

6
00:00:25,990 --> 00:00:23,760
contact and capture the soyuz will be

7
00:00:28,070 --> 00:00:26,000
traveling at a glacial rate of about 1

8
00:00:30,790 --> 00:00:28,080
10th of a meter per second

9
00:00:33,430 --> 00:00:30,800
for contact and capture to minimize the

10
00:00:47,110 --> 00:00:33,440
rates imposed on the international space

11
00:00:57,510 --> 00:00:50,630
740 and range rate is 2.3 meters per

12
00:01:02,389 --> 00:00:59,830
all of the approach burns and engine

13
00:01:04,710 --> 00:01:02,399

firings uh pre-programmed into the soyuz

14

00:01:07,670 --> 00:01:04,720

computer have uh

15

00:01:09,510 --> 00:01:07,680

been executed flawlessly no issues as uh

16

00:01:11,990 --> 00:01:09,520

the international space station and the

17

00:01:14,070 --> 00:01:12,000

soyuz fly over the south pacific about

18

00:01:15,749 --> 00:01:14,080

to begin a southwestern northeasterly

19

00:01:19,350 --> 00:01:15,759

track that will carry it across the

20

00:01:21,030 --> 00:01:19,360

coast of chile a short time from now

21

00:01:22,710 --> 00:01:21,040

having completed its fly around to the

22

00:01:25,510 --> 00:01:22,720

international space station and now

23

00:01:27,030 --> 00:01:25,520

station keeping at a distance of 200

24

00:01:29,270 --> 00:01:27,040

meters away

25

00:01:31,510 --> 00:01:29,280

we are about to receive the final

26
00:01:34,069 --> 00:01:31,520
command for the terminal approach of the

27
00:01:36,630 --> 00:01:34,079
soyuz to the international space station

28
00:01:38,550 --> 00:01:36,640
a good view of that soyuz vehicle from

29
00:01:59,109 --> 00:01:38,560
external cameras on the international

30
00:01:59,119 --> 00:02:09,990
the crosshairs are almost aligned

31
00:02:10,000 --> 00:02:24,150
range is 25 meters

32
00:02:27,830 --> 00:02:26,390
this is mission controlled corey off the

33
00:02:30,790 --> 00:02:27,840
soyuz now

34
00:02:31,670 --> 00:02:30,800
less than 20 meters away

35
00:02:33,990 --> 00:02:31,680
one

36
00:02:36,070 --> 00:02:34,000
final maneuver to fine tune its

37
00:02:37,910 --> 00:02:36,080
alignment to the raspbian modules

38
00:02:39,509 --> 00:02:37,920

docking target

39

00:02:41,670 --> 00:02:39,519
closing at a rate of one tenth of a

40

00:02:43,910 --> 00:02:41,680
meter per second

41

00:02:45,430 --> 00:02:43,920
we are standing by now for contact and

42

00:03:07,030 --> 00:02:45,440
capture of the international space

43

00:03:07,040 --> 00:03:22,630
squarespace

44

00:03:26,630 --> 00:03:24,869
the soyuz ms03 has arrived at the

45

00:03:28,949 --> 00:03:26,640
international space station docking

46

00:03:33,509 --> 00:03:28,959
occurring

47

00:03:36,550 --> 00:03:33,519
at 3 58 pm central time 3 58 p.m central

48

00:03:38,309 --> 00:03:36,560
time 4 58 p.m eastern time

49

00:03:39,990 --> 00:03:38,319
on the 18th anniversary of the launch of

50

00:03:42,789 --> 00:03:40,000
the first module of the international

