



1
00:00:01,256 --> 00:00:04,366
Commentator: Less than one
kilometer away from docking.

2
00:00:04,956 --> 00:00:07,826
The Soyuz spacecraft closing at a rate

3
00:00:07,826 --> 00:00:11,916
of three-and-a-half meters per
second at the correct speed.

4
00:00:12,246 --> 00:00:17,596
Once the Soyuz docks, or comes into contact
and capture, with the Rassvet module

5
00:00:17,996 --> 00:00:20,206
on the Earth-facing side of the Russian segment

6
00:00:20,206 --> 00:00:25,536
of the International Space Station's Zarya
module, there will be a few seconds worth

7
00:00:25,536 --> 00:00:31,686
of opportunity for the two spacecraft's relative
motion to dampen out against one another.

8
00:00:31,686 --> 00:00:35,056
They will come to a stable position

9
00:00:35,056 --> 00:00:39,366
of the two docking interfaces
which will stop relative motion.

10
00:00:39,366 --> 00:00:42,336
That will enable the docking
probe to be retracted.

11
00:00:42,666 --> 00:00:48,916
Basically, drawing in the Rassvet module for a

hard mate enabling hooks and latches to close

12

00:00:48,916 --> 00:00:52,536

at the docking interface and
set the stage for the initiation

13

00:00:52,726 --> 00:00:54,566

of three hours worth of leak checks.

14

00:00:54,626 --> 00:01:00,876

Russian interpreter: Final
approach rate nominal.

15

00:01:01,856 --> 00:01:09,006

Copy. Small movement of the
target relative to the center

16

00:01:09,006 --> 00:01:11,426

of [Russian], but that's within nominal range.

17

00:01:11,426 --> 00:01:15,426

Okay, the station-keeping command is on.

18

00:01:15,426 --> 00:01:16,176

Okay Satoshi.

19

00:01:16,246 --> 00:01:18,366

Okay, go ahead and begin, bring the...

20

00:01:18,496 --> 00:01:19,836

Initiate the whole string.

21

00:01:19,836 --> 00:01:23,736

Okay. Let Satoshi select the command.

22

00:01:24,386 --> 00:01:25,496

Rate nominal.

23

00:01:25,496 --> 00:01:27,926
Raw maneuver complete.

24
00:01:28,406 --> 00:01:29,066
Prepare the line.

25
00:01:29,066 --> 00:01:35,556
Target is one cell to the right
from the center of [Russian].

26
00:01:35,656 --> 00:01:38,086
Everything is normal.

27
00:01:38,086 --> 00:01:40,586
Proceeding with final approach.

28
00:01:40,586 --> 00:01:43,166
Standing by for contact.

29
00:01:43,166 --> 00:01:45,096
Target is in the center.

30
00:01:45,156 --> 00:01:46,266
Rate is nominal.

31
00:01:46,636 --> 00:01:48,166
We still have some roll left.

32
00:01:48,846 --> 00:01:51,376
Yes. Still it remains small roll.

33
00:01:51,376 --> 00:01:57,186
Half cell to the right from
the center of [Russian].

34
00:02:01,716 --> 00:02:03,616
Approaching the center.

35

00:02:04,016 --> 00:02:04,926

Prepare the line.

36

00:02:04,926 --> 00:02:06,626

Standing by for contact.

37

00:02:07,126 --> 00:02:10,616

About two meters.

38

00:02:10,616 --> 00:02:13,376

Standing by.

39

00:02:16,456 --> 00:02:17,836

Contact confirmed.

40

00:02:18,266 --> 00:02:19,286

Commentator: Docking confirmed.

41

00:02:19,366 --> 00:02:22,086

The International Space Station in free drift.

42

00:02:22,366 --> 00:02:25,506

[Russian mission transmissions] Russian
interpreter: Congratulations Sergei.

43

00:02:25,506 --> 00:02:27,926

[Mike Fossum laughing] Russian
interpreter: Okay.

44

00:02:35,916 --> 00:02:42,936

Commentator: The hearty laugh of Mike Fossum
signaling the arrival of three new residents

45

00:02:42,936 --> 00:02:47,926

of the International Space Station.

46

00:02:47,926 --> 00:02:59,876

Docking confirmed at 4:18 p.m.
Central time as the Soyuz TMA-02M

