



1

00:00:02,036 --> 00:00:03,286

[Josh Byerly] This is Mission Control Houston.

2

00:00:03,286 --> 00:00:06,386

We're just a short time away
from the Sun beginning to rise.

3

00:00:06,386 --> 00:00:08,636

You're beginning to see the first images of ATV.

4

00:00:08,966 --> 00:00:14,356

You get a sense of exactly how close it actually
is to the International Space Station right now.

5

00:00:14,356 --> 00:00:16,326

This vehicle is absolutely huge.

6

00:00:16,896 --> 00:00:19,636

It is 35 feet long by 15 feet wide.

7

00:00:19,636 --> 00:00:22,556

You can actually fit a double-decker
bus inside of it.

8

00:00:23,106 --> 00:00:23,676

[Russian Interpreter] Okay now.

9

00:00:23,676 --> 00:00:25,856

The Sun is too bright.

10

00:00:25,856 --> 00:00:29,326

[Josh] It navigates with four main
engines and 28 smaller thrusters

11

00:00:29,326 --> 00:00:31,546

that are located all over the vehicle.

12

00:00:32,396 --> 00:00:35,226

There's eight racks inside that actually carry up standard,

13
00:00:35,396 --> 00:00:37,316
standardized equipment to the space station.

14
00:00:39,316 --> 00:00:41,006
[Interpreter] Now we can see the target very well again.

15
00:00:41,176 --> 00:00:41,836
Okay. Copy.

16
00:00:47,166 --> 00:00:52,436
[Josh] So the team here in Houston is verifying that ATV has reached the S4 hold point.

17
00:00:52,436 --> 00:00:54,446
As we mentioned it will stay here for about 10 minutes.

18
00:00:56,436 --> 00:00:59,916
And the teams will check out all the systems to make sure that it's in the proper position

19
00:00:59,916 --> 00:01:03,326
and then the "Go" will be given for final approach and docking.

20
00:01:13,546 --> 00:01:19,306
[Josh] According to the clocks here ATV should be departing this hold point in under 6 minutes.

21
00:01:20,806 --> 00:01:25,976
It'll have one more short hold point and that will be the last stop before the final approach

22
00:01:25,976 --> 00:01:28,366
and docking to the Zvezda service module.

23

00:01:36,576 --> 00:01:37,896

[Josh] This is Mission Control Houston.

24

00:01:37,896 --> 00:01:40,806

For those of you just joining our
broadcast you're looking at a live view

25

00:01:40,806 --> 00:01:43,426

of the European Space Agency's
Automated Transfer Vehicle.

26

00:01:43,426 --> 00:01:45,036

This is the "Edoardo Amaldi."

27

00:01:45,596 --> 00:01:50,116

It is just a few meters away from the Russian
segment of the International Space Station.

28

00:01:50,116 --> 00:01:55,446

It is going to be docking with the Zvezda
service module coming up in about 12 minutes.

29

00:01:55,446 --> 00:02:01,286

It is currently at one of its final hold
points as the ground teams both here in Houston

30

00:02:01,366 --> 00:02:05,616

and at the ATV Control Center in Toulouse,
France do a final check out of the systems

31

00:02:05,616 --> 00:02:11,186

and confirm that both the ATV and the
ISS are in the proper configuration

32

00:02:11,186 --> 00:02:16,176

and all the docking systems are on and operating
and ready to support the activities coming

33

00:02:16,176 --> 00:02:18,006

up here in just a few short minutes.

34

00:02:21,846 --> 00:02:25,466

[Josh] These final few minutes of closure are extremely slow

35

00:02:25,466 --> 00:02:28,706

as these two vehicles basically stare each other down.

36

00:02:28,706 --> 00:02:31,846

The ATV continues to close in on the Zvezda service module.

37

00:02:33,116 --> 00:02:35,976

Docking on the clock's for 5:33 p.m. central time.

38

00:02:35,976 --> 00:02:39,536

Of course that could be plus or minus by a few seconds.

39

00:02:47,498 --> 00:02:48,395

[Interpreter] Seven meters.

40

00:02:48,396 --> 00:02:49,946

Okay. Zero-zero-five.

41

00:02:50,706 --> 00:02:51,496

Copy.

42

00:02:55,006 --> 00:02:56,006

LEDs are nominal.

43

00:02:57,796 --> 00:02:59,196

Copy.

44

00:03:05,456 --> 00:03:10,116

So the rate is changing from

Zero-zero-one to Zero-ten.

45

00:03:12,006 --> 00:03:13,816

Six meters. Copy.

46

00:03:20,536 --> 00:03:22,036

Two meters.

47

00:03:23,036 --> 00:03:27,036

Two meters and we are transferring
to dotted line.

48

00:03:27,037 --> 00:03:28,337

Okay copy.

49

00:03:36,037 --> 00:03:37,037

Chop.

50

00:03:37,637 --> 00:03:41,736

Copy. Please prepare the timer.

51

00:03:41,737 --> 00:03:44,346

Over. The timer is ready. Copy.

52

00:03:46,146 --> 00:03:48,146

Zero-zero-six is the rate. Copy.

53

00:03:56,146 --> 00:04:01,776

Zero-zero-six. Zero-zero-seven
is the rate. Standing by.

54

00:04:05,686 --> 00:04:08,886

[Josh] Contact is confirmed
at 5:31 p.m. central time.

55

00:04:08,887 --> 00:04:12,387

The "Edoardo Amaldi" has arrived
at the International Space Station.

56

00:04:17,387 --> 00:04:19,906

The two vehicles were over
the South Pacific Ocean just

57

00:04:19,907 --> 00:04:22,406

to the north of the American Samoan islands.

58

00:04:23,406 --> 00:04:27,746

Once again docking and contact
confirmed at 5:31 p.m. central time.

59

00:04:29,446 --> 00:04:31,556

[Interpreter] Could you please record the time?

60

00:04:33,356 --> 00:04:34,716

Andre could you please dictate it.

61

00:04:37,516 --> 00:04:40,106

So 22-31-35.