



1
00:00:02,450 --> 00:00:02,483
This is Mission Control Houston.

2
00:00:04,550 --> 00:00:04,963
Expedition 28 onboard the
International Space Station.

3
00:00:07,670 --> 00:00:11,203
A very busy day, with science,
with visiting vehicles,

4
00:00:11,290 --> 00:00:14,823
and with sharing the journey
during this day on orbit.

5
00:00:15,320 --> 00:00:19,986
At 4:37 a.m. Tuesday morning Houston
time, a Progress supply ship, 43P,

6
00:00:22,490 --> 00:00:23,016
undocked from the International Space Station,

7
00:00:25,030 --> 00:00:28,363
from the aft end of the station,
the Zvezda module.

8
00:00:29,210 --> 00:00:33,010
It's packed full of trash,
being carried away for disposal

9
00:00:33,380 --> 00:00:36,646
when it is ultimately deorbited
September the 1st.

10
00:00:37,720 --> 00:00:38,556
But first that Progress vehicle is going
to be used for engineering tests commanded

11
00:00:42,350 --> 00:00:45,216

from the mission control center in Korolev.

12
00:00:45,220 --> 00:00:46,743
It has been moved away from the
International Space Station into what is known

13
00:00:48,830 --> 00:00:53,363
as a parking orbit for those other
operations to continue between now

14
00:00:53,600 --> 00:00:56,733
and the deorbit burn at the first of September.

15
00:00:57,310 --> 00:00:58,350
There will be a new Progress supply ship
launching to the International Space Station

16
00:01:01,870 --> 00:01:04,670
on Wednesday morning Houston time and dock

17
00:01:05,170 --> 00:01:05,466
to the International Space
Station this coming Friday morning.

18
00:01:08,940 --> 00:01:11,340
Today Flight Engineers Sergei Volkov

19
00:01:14,320 --> 00:01:19,520
and Alexander Samokutyaev completed some
refresher training on the TORU system,

20
00:01:19,980 --> 00:01:25,246
the remote docking system that would be
commanded by the crew members themselves

21
00:01:25,530 --> 00:01:28,730
in case the automated docking
had any difficulty.

22

00:01:28,950 --> 00:01:35,016

That training done to get them, to brush up on their skills for the Friday Progress docking.

23

00:01:36,980 --> 00:01:37,353

Samokutyaev and Commander Andrey Borisenko also spent some time starting

24

00:01:41,340 --> 00:01:43,673

up to pack up the Soyuz spacecraft.

25

00:01:44,890 --> 00:01:45,380

And Flight Engineer Ron Garan joined them with other departure preparations.

26

00:01:49,400 --> 00:01:49,853

Those three members of the station crew are to undock from the International Space Station

27

00:01:54,880 --> 00:01:59,480

on September the 7th for a landing in Kazakhstan on September the 8th.

28

00:02:00,980 --> 00:02:04,113

Borisenko and Flight Engineers Satoshi Furukawa

29

00:02:04,480 --> 00:02:09,280

and Mike Fossum also spent more time unpacking the other Progress vehicle

30

00:02:10,000 --> 00:02:11,173

that is already attached to the International Space Station.

31

00:02:12,760 --> 00:02:16,560

That was before Furukawa and Fossum moved on to data takes

32

00:02:17,220 --> 00:02:21,353

with the Integrated Cardiovascular

experiment and the first use

33

00:02:21,640 --> 00:02:25,306

of a brand new ultrasound
equipment onboard the station.

34

00:02:25,490 --> 00:02:25,530

This experiment is designed to quantify
cardiac atrophy that's associated

35

00:02:30,250 --> 00:02:31,983

with long duration flight.

36

00:02:32,260 --> 00:02:36,660

It involves an inflight cardio exam
both before and after exercise.

37

00:02:38,720 --> 00:02:39,056

And the results of that will
be compared with pre-

38

00:02:41,650 --> 00:02:44,916

and post-flight cardio exams
for the crew members.

39

00:02:45,920 --> 00:02:52,186

Furukawa also had an opportunity for a VIP event
with the prime minister of Japan today to talk

40

00:02:52,200 --> 00:02:55,800

about life on orbit and answer
questions from students.

41

00:02:56,550 --> 00:03:00,750

The crew members will spend their
time on Wednesday in a variety

42

00:03:00,800 --> 00:03:01,320

of experiments onboard the space station, as
well as additional Soyuz departure training

43

00:03:06,080 --> 00:03:10,013

in preparation for the arrival
of a new ship of supplies due