
Soyuz 30
ATV-3

1
00:00:01,956 --> 00:00:06,176
The return to Earth of the
Expedition 31 crew members -

2
00:00:06,316 --> 00:00:08,266
being Kononenko,
Kuipers and Pettit -

3
00:00:08,266 --> 00:00:10,246
will wrap up a busy
week of activity

4
00:00:10,246 --> 00:00:12,056
on board the International
Space Station.

5
00:00:12,506 --> 00:00:15,566
On Monday, the week
began the with the check

6
00:00:15,566 --> 00:00:19,466
out of the Japanese Kibo
module's remote manipulator

7
00:00:19,466 --> 00:00:22,686
system, the Kibo robot arm,

8
00:00:22,966 --> 00:00:27,016
as Joe Acaba worked inside the
Kibo module to test out all

9
00:00:27,016 --> 00:00:30,356
of the systems on what
is known as the JEM RMS

10
00:00:30,356 --> 00:00:34,076
that exists outside
of the Kibo module.

11

00:00:34,506 --> 00:00:38,956
That robotic arm will be
used to extract payloads

12
00:00:39,556 --> 00:00:44,636
from the next Japanese
H-II Transfer Vehicle,

13
00:00:44,636 --> 00:00:47,366
the next Japanese cargo
ship that will be launched

14
00:00:47,366 --> 00:00:51,776
on the night of July 20
U.S. time, July 21 in Japan,

15
00:00:52,086 --> 00:00:54,866
from the Tanegashima
Space Center

16
00:00:54,866 --> 00:00:57,696
on the northern coast of Japan.

17
00:00:58,016 --> 00:01:04,016
That H2 rocket will lift
the HTV3, or the Kounotori3,

18
00:01:04,146 --> 00:01:07,246
spacecraft to the
International Space Station,

19
00:01:07,546 --> 00:01:09,126
where it will be grappled

20
00:01:09,126 --> 00:01:12,026
by Acaba using the space
station's Canadarm 2,

21
00:01:12,026 --> 00:01:15,196
the robotic arm, for

installation on the nadir

22
00:01:15,196 --> 00:01:19,006
or Earth-facing port of the
Harmony module on July 27.

23
00:01:19,506 --> 00:01:24,026
The Japanese robotic arm then
will be used by a variety

24
00:01:24,026 --> 00:01:27,766
of crew members to extract an
external palate of payloads

25
00:01:27,856 --> 00:01:32,326
and science equipment from
the HTV itself to be placed

26
00:01:32,326 --> 00:01:36,946
on the external platform of the
Kibo module for further testing

27
00:01:36,946 --> 00:01:39,046
and further experiments
will be conducted

28
00:01:39,236 --> 00:01:41,026
over the course of
several months.

29
00:01:42,576 --> 00:01:45,796
Tuesday the crew pressed
into a variety of experiments

30
00:01:45,796 --> 00:01:47,776
on board the International
Space Station.

31
00:01:48,026 --> 00:01:51,776
Again, these experiments a

complement of a wide variety

32
00:01:51,776 --> 00:01:55,116
of activity that the space
station now is involved in,

33
00:01:55,496 --> 00:01:58,896
in support of some
35 hours of payload

34
00:01:58,896 --> 00:02:01,516
and experiment time
per week by the crew

35
00:02:01,856 --> 00:02:04,706
on this orbital laboratory
in the national laboratory

36
00:02:04,936 --> 00:02:08,026
that is orbiting some 250
miles above the Earth.

37
00:02:08,576 --> 00:02:11,966
On Wednesday, the crew
had a final opportunity -

38
00:02:11,966 --> 00:02:14,716
some of the crew members - had
a final opportunity to work

39
00:02:14,716 --> 00:02:18,666
with Robonaut, the
humanoid robot that exists

40
00:02:18,666 --> 00:02:20,636
on board the International
Space Station,

41
00:02:20,926 --> 00:02:25,076
as the Robonaut had its vision

acuity tested once again

42
00:02:25,386 --> 00:02:28,836
and its manual dexterity
commanded by payload controllers

43
00:02:28,836 --> 00:02:31,466
at the Marshall Space Flight
Center in Huntsville, Alabama.

44
00:02:31,846 --> 00:02:36,966
As the Robonaut went through a
proficiency test on dexterity

45
00:02:36,966 --> 00:02:40,946
on a task board in front
of it, the crew also worked

46
00:02:40,946 --> 00:02:43,916
in Soyuz descent training
as Pettit, Kuipers

47
00:02:43,916 --> 00:02:48,416
and Kononenko worked to prepare
themselves for the effects

48
00:02:48,416 --> 00:02:51,156
of a return to gravity
that they will experience

49
00:02:51,156 --> 00:02:52,936
for the first time in
six and a half months

50
00:02:52,936 --> 00:02:55,496
when they return
to Earth on Sunday.

51
00:02:56,026 --> 00:02:57,876
And finally on Thursday,

yesterday,

52
00:02:58,196 --> 00:03:04,046
the stowage activities for the
Soyuz TMA-03M took place along

53
00:03:04,046 --> 00:03:07,166
with stowage on a
Progress, a Russian Progress,

54
00:03:07,166 --> 00:03:09,736
resupply vehicle
that is scheduled

55
00:03:09,736 --> 00:03:12,426
to depart the International
Space Station in late July

56
00:03:12,426 --> 00:03:15,486
and then re-dock with the
International Space Station

57
00:03:15,486 --> 00:03:18,456
to test out new automatic
rendezvous equipment

58
00:03:18,456 --> 00:03:21,516
that is being installed in
the Zvezda service module