
JAXA

1
00:00:11,110 --> 00:00:08,870
this is mission control at the johnson

2
00:00:12,870 --> 00:00:11,120
space center in houston texas this has

3
00:00:15,430 --> 00:00:12,880
been another highly productive week for

4
00:00:17,029 --> 00:00:15,440
the expedition 35 crew one of the major

5
00:00:18,710 --> 00:00:17,039
activities for the on-orbit crew and the

6
00:00:21,029 --> 00:00:18,720
ground team has been the upgrades to the

7
00:00:23,429 --> 00:00:21,039
high rate communications systems

8
00:00:25,029 --> 00:00:23,439
ku system that activity continued this

9
00:00:27,189 --> 00:00:25,039
week highlighted by commander chris

10
00:00:29,269 --> 00:00:27,199
cassidy and tom marshburn's installation

11
00:00:31,349 --> 00:00:29,279
of the redundant ku communications 1

12
00:00:33,350 --> 00:00:31,359
unit to complete the refurbishment of

13
00:00:35,750 --> 00:00:33,360

the station's ku system

14
00:00:37,670 --> 00:00:35,760
ku unit 2 was installed and checked out

15
00:00:39,430 --> 00:00:37,680
last week and will continue to be the

16
00:00:41,430 --> 00:00:39,440
prime unit for that new system some

17
00:00:43,750 --> 00:00:41,440
remaining checkout tasks remain for next

18
00:00:45,830 --> 00:00:43,760
week tom marshburn also spent a lot of

19
00:00:47,750 --> 00:00:45,840
time on monday and tuesday working with

20
00:00:48,709 --> 00:00:47,760
robonaut the first humanoid robot in

21
00:00:50,869 --> 00:00:48,719
space

22
00:00:52,389 --> 00:00:50,879
monday tom donned a special headgear and

23
00:00:54,310 --> 00:00:52,399
gloves to test some of the teller

24
00:00:56,229 --> 00:00:54,320
operations of the robonaut throughout

25
00:00:58,150 --> 00:00:56,239
the activity he was able to control

26
00:01:00,069 --> 00:00:58,160
robonaut's head and hand movements using

27
00:01:02,389 --> 00:01:00,079
the telerobotics gear

28
00:01:03,830 --> 00:01:02,399
other smaller scale station maintenance

29
00:01:06,550 --> 00:01:03,840
tasks and activities included a

30
00:01:08,550 --> 00:01:06,560
replacement of the 25 radiation monitors

31
00:01:10,710 --> 00:01:08,560
located throughout the living quarters

32
00:01:12,710 --> 00:01:10,720
of the space station they also performed

33
00:01:15,429 --> 00:01:12,720
software updates on various laptops and

34
00:01:17,109 --> 00:01:15,439
the water processing facility and work

35
00:01:19,350 --> 00:01:17,119
on the advanced resistive exercise

36
00:01:21,190 --> 00:01:19,360
device and cleaning of the crew quarters

37
00:01:22,630 --> 00:01:21,200
as well as vents and air filters in the

38
00:01:24,149 --> 00:01:22,640

russian segment

39
00:01:26,070 --> 00:01:24,159
experiments and science were also

40
00:01:27,990 --> 00:01:26,080
significant parts of the week's activity

41
00:01:29,590 --> 00:01:28,000
including the european space agency's

42
00:01:31,429 --> 00:01:29,600
energy experiment which chris hadfield

43
00:01:33,109 --> 00:01:31,439
participated in this week he's about

44
00:01:35,109 --> 00:01:33,119
midway through the 10-day run which has

45
00:01:35,910 --> 00:01:35,119
the crew member following a defined meal

46
00:01:37,670 --> 00:01:35,920
plan

47
00:01:39,429 --> 00:01:37,680
detailed logging of the food and liquid

48
00:01:41,749 --> 00:01:39,439
intake and multiple sessions measuring

49
00:01:43,270 --> 00:01:41,759
their oxygen uptake that experiment is

50
00:01:45,510 --> 00:01:43,280
aimed at studying the crew members

51
00:01:47,030 --> 00:01:45,520
metabolic rate and measuring precisely

52
00:01:49,030 --> 00:01:47,040
how much food is needed for astronauts

53
00:01:52,069 --> 00:01:49,040
during long-duration missions

54
00:01:54,230 --> 00:01:52,079
other experiments included chromotomas

55
00:01:57,270 --> 00:01:54,240
constanta which studies the effect of

56
00:01:58,950 --> 00:01:57,280
microgravity on a model enzyme and also

57
00:02:00,230 --> 00:01:58,960
the bass experiment which is ongoing

58
00:02:02,069 --> 00:02:00,240
this afternoon

59
00:02:03,590 --> 00:02:02,079
the crew members also participated in

60
00:02:05,830 --> 00:02:03,600
interactive events with the public and

61
00:02:07,910 --> 00:02:05,840
school children in various locations

62
00:02:09,589 --> 00:02:07,920
monday chris cassidy and tom marshburn

63
00:02:11,589 --> 00:02:09,599

gathered to take questions from students

64
00:02:14,070 --> 00:02:11,599
at the mary merrick elementary school in

65
00:02:15,350 --> 00:02:14,080
pearland texas answering a wide range of

66
00:02:17,430 --> 00:02:15,360
questions about living and working in

67
00:02:18,949 --> 00:02:17,440
space the next day commander chris

68
00:02:20,790 --> 00:02:18,959
hadfield spoke with students and other

69
00:02:23,270 --> 00:02:20,800
participants in an educational event

70
00:02:25,430 --> 00:02:23,280
with more than 300 students as part of a

71
00:02:27,430 --> 00:02:25,440
joint event with yuri's night and telus

72
00:02:28,869 --> 00:02:27,440
world of science in edmonton alberta

73
00:02:31,030 --> 00:02:28,879
canada

74
00:02:33,110 --> 00:02:31,040
the newest crew members chris cassidy

75
00:02:34,869 --> 00:02:33,120
alexander misurkin and pavel vinogradov

76
00:02:36,949 --> 00:02:34,879
also had some time set aside for crew

77
00:02:38,470 --> 00:02:36,959
orientation to become accustomed to

78
00:02:40,869 --> 00:02:38,480
living and working aboard the orbiting

79
00:02:42,710 --> 00:02:40,879
complex the trio had docked to the space

80
00:02:44,470 --> 00:02:42,720
station aboard their soyuz spacecraft on

81
00:02:46,630 --> 00:02:44,480
march 28th to begin their five-month

82
00:02:48,229 --> 00:02:46,640
stay aboard the complex

83
00:02:50,150 --> 00:02:48,239
the crew will wrap up their activities

84
00:02:51,910 --> 00:02:50,160
around 2pm central time today and have

85
00:02:54,390 --> 00:02:51,920
personal time before crew sleep

86
00:02:56,229 --> 00:02:54,400
scheduled for 4 pm they have a routine