



HATCH

DECK

1
00:00:07,829 --> 00:00:05,829
good morning to you from mission control

2
00:00:10,629 --> 00:00:07,839
houston this is space station live for

3
00:00:12,310 --> 00:00:10,639
thursday june 27 2013. this is a live

4
00:00:14,390 --> 00:00:12,320
view inside the international space

5
00:00:16,310 --> 00:00:14,400
station flight control room here at the

6
00:00:18,870 --> 00:00:16,320
johnson space center this team today is

7
00:00:19,990 --> 00:00:18,880
being led by flight director brian smith

8
00:00:22,310 --> 00:00:20,000
he is sitting there at the center

9
00:00:24,630 --> 00:00:22,320
console sitting beside him is the capcom

10
00:00:27,109 --> 00:00:24,640
for today that is takuya onishi he will

11
00:00:29,269 --> 00:00:27,119
be the voice of mission control up to

12
00:00:30,790 --> 00:00:29,279
the crew of expedition 36 on board the

13
00:00:32,630 --> 00:00:30,800

orbiting complex here's a look at the

14

00:00:34,310 --> 00:00:32,640

entire crew that's on board

15

00:00:36,790 --> 00:00:34,320

currently from left to right you see

16

00:00:38,630 --> 00:00:36,800

alexander misurkin there in the middle

17

00:00:40,470 --> 00:00:38,640

is pavel vinogradov he is the commander

18

00:00:43,110 --> 00:00:40,480

sitting in the middle of the screen is

19

00:00:45,670 --> 00:00:43,120

chris cassidy nasa astronaut beside him

20

00:00:47,350 --> 00:00:45,680

is italian astronaut luca parmitano and

21

00:00:49,750 --> 00:00:47,360

then second from the right is fyodor

22

00:00:51,990 --> 00:00:49,760

yurchikhin as well as karen nyberg there

23

00:00:53,750 --> 00:00:52,000

on the far right-hand side the crew has

24

00:00:55,670 --> 00:00:53,760

been extremely busy today onboard the

25

00:00:56,549 --> 00:00:55,680

orbiting complex vinogradov has been

26

00:00:58,229 --> 00:00:56,559

doing

27

00:00:59,270 --> 00:00:58,239

some inspections on the windows of the

28

00:01:00,630 --> 00:00:59,280

poisk

29

00:01:02,389 --> 00:01:00,640

and the piers

30

00:01:03,510 --> 00:01:02,399

docking compartments onboard the russian

31

00:01:05,509 --> 00:01:03,520

segment

32

00:01:06,789 --> 00:01:05,519

he has also been working on some

33

00:01:08,390 --> 00:01:06,799

experiments back there in the russian

34

00:01:11,030 --> 00:01:08,400

segment as well taking a look at how the

35

00:01:12,630 --> 00:01:11,040

crews adapt to being on board

36

00:01:14,870 --> 00:01:12,640

during their five or six months up on

37

00:01:16,870 --> 00:01:14,880

board the space station itself

38

00:01:19,270 --> 00:01:16,880

cassidy and nyberg are working on

39

00:01:21,190 --> 00:01:19,280

transferring cargo out of the european

40

00:01:22,870 --> 00:01:21,200

automated transfer vehicle the albert

41

00:01:24,310 --> 00:01:22,880

einstein you see

42

00:01:26,950 --> 00:01:24,320

nyberg there working on some of the

43

00:01:28,789 --> 00:01:26,960

cargo bags the crew is way ahead of the

44

00:01:31,350 --> 00:01:28,799

timeline in terms of how long it's

45

00:01:33,910 --> 00:01:31,360

taking them to move all this cargo that

46

00:01:35,910 --> 00:01:33,920

atv brought up about 7.3 tons of

47

00:01:37,270 --> 00:01:35,920

supplies here just a few

48

00:01:38,710 --> 00:01:37,280

days ago and it will stay on board for

49

00:01:39,990 --> 00:01:38,720

the next several months it should be

50

00:01:42,710 --> 00:01:40,000

departing the international space

51
00:01:44,149 --> 00:01:42,720
station in october and then being sent

52
00:01:46,789 --> 00:01:44,159
into a destructive re-entry into the

53
00:01:48,710 --> 00:01:46,799
earth's atmosphere

54
00:01:50,310 --> 00:01:48,720
cassidy also is deploying some radiation

55
00:01:51,990 --> 00:01:50,320
level detectors in the u.s segment that

56
00:01:54,149 --> 00:01:52,000
is part of a russian experiment that

57
00:01:56,230 --> 00:01:54,159
analyzes the radiation levels onboard

58
00:01:57,510 --> 00:01:56,240
the space station and he's also working

59
00:01:59,429 --> 00:01:57,520
with something called the compound

60
00:02:01,910 --> 00:01:59,439
specific analyzer tool this is something

61
00:02:03,670 --> 00:02:01,920
that basically analyzes and sniffs the

62
00:02:05,670 --> 00:02:03,680
atmosphere on board the space station to

63
00:02:07,510 --> 00:02:05,680

make sure that nothing is

64

00:02:10,229 --> 00:02:07,520

unexpected and that everything is

65

00:02:12,070 --> 00:02:10,239

according to plan

66

00:02:14,070 --> 00:02:12,080

nyberg and parmitano are working on the

67

00:02:15,589 --> 00:02:14,080

ocular health experiment today this is

68

00:02:18,309 --> 00:02:15,599

one of the newer experiments on board

69

00:02:19,910 --> 00:02:18,319

that analyzes uh the eyes of the crew

70

00:02:22,390 --> 00:02:19,920

there's been a phenomenon noticed lately

71

00:02:24,150 --> 00:02:22,400

that the eyes tend to change with the

72

00:02:25,510 --> 00:02:24,160

crew members on board so researchers on

73

00:02:27,110 --> 00:02:25,520

the ground are taking a look at exactly

74

00:02:28,949 --> 00:02:27,120

what causes that

75

00:02:30,550 --> 00:02:28,959

and the different astronauts and their

76

00:02:33,670 --> 00:02:30,560

different physiologies and how that

77

00:02:35,670 --> 00:02:33,680

could be impacted by that

78

00:02:37,430 --> 00:02:35,680

parmitano also working with robonaut on

79

00:02:39,110 --> 00:02:37,440

board they are doing some checkout

80

00:02:40,630 --> 00:02:39,120

procedures he unstowed it and powered it

81

00:02:43,270 --> 00:02:40,640

up you see robonaut

82

00:02:44,710 --> 00:02:43,280

moving around there

83

00:02:47,350 --> 00:02:44,720

robonaut's going to be turning some

84

00:02:49,430 --> 00:02:47,360

knobs on one of his task boards as this

85

00:02:51,110 --> 00:02:49,440

humanoid robot continues

86

00:02:54,470 --> 00:02:51,120

being checked out on board the

87

00:02:55,830 --> 00:02:54,480

international space station itself

88

00:02:57,910 --> 00:02:55,840

the crew also has several different crew

89

00:02:58,710 --> 00:02:57,920

earth observation opportunities today as

90

00:03:00,229 --> 00:02:58,720

they

91

00:03:01,750 --> 00:03:00,239

take a look down at the planet below and

92

00:03:02,949 --> 00:03:01,760

take some photos and video if they have

93

00:03:04,390 --> 00:03:02,959

time there's several different ones

94

00:03:07,110 --> 00:03:04,400

today including

95

00:03:08,229 --> 00:03:07,120

bagram airfield in afghanistan they're

96

00:03:11,190 --> 00:03:08,239

going to be passing over parts of

97

00:03:13,430 --> 00:03:11,200

croatia as well as bolivia and also the

98

00:03:15,270 --> 00:03:13,440

lagoons of new caledonia this is an

99

00:03:17,350 --> 00:03:15,280

interesting part of the world because it

100

00:03:18,630 --> 00:03:17,360

is the most diverse concentration of

101

00:03:20,229 --> 00:03:18,640

reef

102

00:03:21,350 --> 00:03:20,239

structures located throughout the world

103

00:03:22,630 --> 00:03:21,360

it's actually more diverse than the

104

00:03:23,830 --> 00:03:22,640

great barrier reef which of course

105

00:03:26,149 --> 00:03:23,840

everybody knows off the coast of

106

00:03:27,910 --> 00:03:26,159

australia but in terms of coral and fish

107

00:03:30,630 --> 00:03:27,920

diversity it is actually more diverse

108

00:03:32,390 --> 00:03:30,640

than the great barrier reef itself and

109

00:03:34,149 --> 00:03:32,400

of course we would be we would be remiss

110

00:03:35,509 --> 00:03:34,159

here in houston if we did not show you

111

00:03:38,309 --> 00:03:35,519

the photo that the crew took earlier

112

00:03:40,390 --> 00:03:38,319

this week of the great state of texas

113

00:03:41,910 --> 00:03:40,400

you see the city of houston our hometown

114

00:03:43,830 --> 00:03:41,920

there at the bottom part of the screen

115

00:03:46,070 --> 00:03:43,840

you can see the gulf of mexico

116

00:03:47,589 --> 00:03:46,080

the southeastern cities of beaumont and

117

00:03:49,110 --> 00:03:47,599

parts of port arthur

118

00:03:50,550 --> 00:03:49,120

you see the dallas for ortho metroplex

119

00:03:52,309 --> 00:03:50,560

up there at the north there's some

120

00:03:54,630 --> 00:03:52,319

clouds and thunderstorms over that part

121

00:03:56,630 --> 00:03:54,640

of the area and into oklahoma you also

122

00:03:58,390 --> 00:03:56,640

see austin and san antonio there and the

123

00:04:00,070 --> 00:03:58,400

left and if you look dead center in the

124

00:04:02,149 --> 00:04:00,080

screen that is the city of college