



1
00:00:10,390 --> 00:00:08,950
today is monday september 30th in 2013

2
00:00:11,830 --> 00:00:10,400
and you're joining us here inside of the

3
00:00:13,830 --> 00:00:11,840
international space station flight

4
00:00:17,349 --> 00:00:13,840
control room located at the johnson

5
00:00:19,910 --> 00:00:17,359
space center in houston texas on board

6
00:00:21,830 --> 00:00:19,920
interactions with the recently docked

7
00:00:23,910 --> 00:00:21,840
cygnus cargo vehicle continued today

8
00:00:26,070 --> 00:00:23,920
with luca parmitano and karen nyberg

9
00:00:27,429 --> 00:00:26,080
continuing to focus on that

10
00:00:30,150 --> 00:00:27,439
the vehicle

11
00:00:32,069 --> 00:00:30,160
built and maintained by orbital sciences

12
00:00:34,069 --> 00:00:32,079
successfully flew to the international

13
00:00:36,709 --> 00:00:34,079

space station yesterday completing its

14

00:00:39,030 --> 00:00:36,719

final approach in a number of milestones

15

00:00:40,790 --> 00:00:39,040

as it looks to make its first cargo

16

00:00:42,549 --> 00:00:40,800

delivery to the station

17

00:00:44,709 --> 00:00:42,559

it was successfully grappled with the

18

00:00:46,790 --> 00:00:44,719

station's robotic arm by parmitano and

19

00:00:49,510 --> 00:00:46,800

nyberg yesterday morning

20

00:00:51,110 --> 00:00:49,520

around seven uh it's around six a.m

21

00:00:53,350 --> 00:00:51,120

central time and then docked

22

00:00:57,189 --> 00:00:53,360

successfully to the earth-facing side of

23

00:00:58,709 --> 00:00:57,199

the harmony module not 7 44 am central

24

00:01:00,630 --> 00:00:58,719

time

25

00:01:02,310 --> 00:01:00,640

that cargo craft which is scheduled to

26

00:01:05,350 --> 00:01:02,320

remain attached to the international

27

00:01:07,830 --> 00:01:05,360

space station until october 22nd

28

00:01:10,390 --> 00:01:07,840

has delivered about 1 300 pounds of

29

00:01:12,390 --> 00:01:10,400

cargo to the six member crew of

30

00:01:14,550 --> 00:01:12,400

expedition 37

31

00:01:15,910 --> 00:01:14,560

among this various student experiments

32

00:01:17,749 --> 00:01:15,920

food and clothing

33

00:01:18,630 --> 00:01:17,759

all of which will be unloaded by the

34

00:01:21,030 --> 00:01:18,640

crew

35

00:01:23,350 --> 00:01:21,040

that unloading starting with the hatch

36

00:01:25,830 --> 00:01:23,360

opening which took place today the crew

37

00:01:28,310 --> 00:01:25,840

remember opening up the hatches earlier

38

00:01:30,950 --> 00:01:28,320

this morning at around 3 10 a.m central

39

00:01:32,630 --> 00:01:30,960

time to gain access into cygnus again

40

00:01:34,630 --> 00:01:32,640

attached right now to the earth-facing

41

00:01:37,109 --> 00:01:34,640

side of the harmony module

42

00:01:39,749 --> 00:01:37,119

the crew will begin unloading some of

43

00:01:41,429 --> 00:01:39,759

that cargo today having already carried

44

00:01:43,350 --> 00:01:41,439

out a number of items including some of

45

00:01:45,590 --> 00:01:43,360

the nanorack student experiments that

46

00:01:46,950 --> 00:01:45,600

have flown to the station on board

47

00:01:49,510 --> 00:01:46,960

they'll be unloading the rest of the

48

00:01:51,270 --> 00:01:49,520

cargo over the next three weeks again

49

00:01:55,670 --> 00:01:51,280

that vehicle right now scheduled to

50

00:01:58,069 --> 00:01:55,680

remain until october 22nd

51
00:02:00,870 --> 00:01:58,079
aside from all of this cygnus work

52
00:02:04,310 --> 00:02:00,880
taking place today luca parmitano will

53
00:02:06,789 --> 00:02:04,320
also be working to replace a water line

54
00:02:09,029 --> 00:02:06,799
vent tube assembly working inside of the

55
00:02:11,350 --> 00:02:09,039
station's quest airlock on one of the

56
00:02:13,670 --> 00:02:11,360
two u.s spacesuits inside

57
00:02:16,309 --> 00:02:13,680
that water line vent tube in the hard

58
00:02:17,750 --> 00:02:16,319
upper torso portion of the spacesuit

59
00:02:20,070 --> 00:02:17,760
he'll be getting a hand in some of that

60
00:02:22,790 --> 00:02:20,080
by one of the station's newest residents

61
00:02:24,630 --> 00:02:22,800
mike hopkins who started off his day

62
00:02:27,110 --> 00:02:24,640
taking a few samples for the human

63
00:02:29,589 --> 00:02:27,120

research facility on board the station

64

00:02:32,470 --> 00:02:29,599

hopkins on board less than a week now

65

00:02:34,869 --> 00:02:32,480

still engaging in uh set aside time for

66

00:02:36,550 --> 00:02:34,879

crew orientation that all these

67

00:02:37,670 --> 00:02:36,560

new crew members on board the station

68

00:02:39,589 --> 00:02:37,680

are assigned

69

00:02:41,509 --> 00:02:39,599

to familiarize themselves

70

00:02:43,430 --> 00:02:41,519

with all the systems and procedures that

71

00:02:45,670 --> 00:02:43,440

they'll be

72

00:02:47,750 --> 00:02:45,680

interacting with over the six-month stay

73

00:02:49,910 --> 00:02:47,760

on board the station aside from that

74

00:02:51,509 --> 00:02:49,920

he'll also be unloading a bit of cargo

75

00:02:53,830 --> 00:02:51,519

from that cygnus vehicle joining

76

00:02:55,990 --> 00:02:53,840

parmitano and nyberg

77

00:02:58,630 --> 00:02:56,000

over on the russian side of the house

78

00:03:01,030 --> 00:02:58,640

current expedition 37 commander fyodor

79

00:03:03,990 --> 00:03:01,040

yurchikhin is working today with the

80

00:03:06,229 --> 00:03:04,000

russian septic experiment located inside

81

00:03:09,430 --> 00:03:06,239

of the russian science glove box

82

00:03:12,229 --> 00:03:09,440

it's a study looking to contribute to

83

00:03:14,630 --> 00:03:12,239

all of the developments that go into

84

00:03:16,550 --> 00:03:14,640

preparing onboard equipment

85

00:03:19,350 --> 00:03:16,560

with a

86

00:03:21,430 --> 00:03:19,360

septic condition basically free from any

87

00:03:24,470 --> 00:03:21,440

microorganisms such as bacteria and

88

00:03:27,270 --> 00:03:24,480

viruses and also fungi that can

89

00:03:28,229 --> 00:03:27,280

potentially build up in order to

90

00:03:30,149 --> 00:03:28,239

better

91

00:03:31,910 --> 00:03:30,159

sanitize any biotechnological

92

00:03:33,350 --> 00:03:31,920

experiments taking place on board

93

00:03:35,830 --> 00:03:33,360

station

94

00:03:37,030 --> 00:03:35,840

i'll also be looking for any trace

95

00:03:38,949 --> 00:03:37,040

contaminant

96

00:03:40,229 --> 00:03:38,959

levels inside of the russian service

97

00:03:41,430 --> 00:03:40,239

module

98

00:03:42,630 --> 00:03:41,440

also working

99

00:03:45,030 --> 00:03:42,640

the other two

100

00:03:46,630 --> 00:03:45,040

russian cosmonauts on board focusing on

101
00:03:49,030 --> 00:03:46,640
some experiment work

102
00:03:51,830 --> 00:03:49,040
oleg kotov focusing on the russian

103
00:03:53,990 --> 00:03:51,840
constanta experiment which looks to find

104
00:03:55,750 --> 00:03:54,000
any possible approaches to protecting

105
00:03:57,990 --> 00:03:55,760
the enzyme systems

106
00:03:59,990 --> 00:03:58,000
of humans and animals in space flight

107
00:04:01,910 --> 00:04:00,000
protecting them from the undesirable

108
00:04:03,750 --> 00:04:01,920
effects of that microgravity environment

109
00:04:05,910 --> 00:04:03,760
and long-term exposure

110
00:04:07,270 --> 00:04:05,920
as a newer crew member he'll also be

111
00:04:09,190 --> 00:04:07,280
taking some time out for crew

112
00:04:11,309 --> 00:04:09,200
orientation and transferring some cargo

113
00:04:14,470 --> 00:04:11,319

that came up on that soyuz

114

00:04:16,949 --> 00:04:14,480

tma-10m vehicle that brought him

115

00:04:19,509 --> 00:04:16,959

ryzanski and hopkins to the station

116

00:04:21,110 --> 00:04:19,519

just last week on wednesday

117

00:04:23,350 --> 00:04:21,120

final crew member

118

00:04:25,030 --> 00:04:23,360

sergey ryazanskiy working on the russian

119

00:04:26,710 --> 00:04:25,040

casca experiment

120

00:04:28,790 --> 00:04:26,720

which looks to cultivate cells of

121

00:04:31,430 --> 00:04:28,800

microorganisms humans and

122

00:04:33,990 --> 00:04:31,440

animals in microgravity conditions

123

00:04:36,550 --> 00:04:34,000

hoping to increase their resistance to

124

00:04:39,110 --> 00:04:36,560

some of the negative factors of

125

00:04:41,189 --> 00:04:39,120

storing and preparing them in space such

126

00:04:43,430 --> 00:04:41,199

as freezing and drying