



1
00:00:05,829 --> 00:00:04,150
on monday the expedition 33 crew aboard

2
00:00:07,909 --> 00:00:05,839
the international space station began

3
00:00:10,470 --> 00:00:07,919
its week with a light duty day

4
00:00:13,709 --> 00:00:10,480
after the departure sunday of the three

5
00:00:17,189 --> 00:00:13,719
expedition 32 crew members the soyuz

6
00:00:19,590 --> 00:00:17,199
tma-04m carrying expedition 32

7
00:00:21,910 --> 00:00:19,600
commander gennady padalka and flight

8
00:00:24,070 --> 00:00:21,920
engineers joe acaba and sergey revin

9
00:00:25,349 --> 00:00:24,080
landed safely in kazakhstan on sunday

10
00:00:27,750 --> 00:00:25,359
night

11
00:00:29,910 --> 00:00:27,760
expedition 32 officially ended when the

12
00:00:32,389 --> 00:00:29,920
trio undocked about four hours earlier

13
00:00:34,549 --> 00:00:32,399

from the poisk module

14

00:00:36,150 --> 00:00:34,559

on monday flight engineer aki hoshide

15

00:00:38,470 --> 00:00:36,160

opened the lab window shuttle for the

16

00:00:41,830 --> 00:00:38,480

international space station agricultural

17

00:00:44,549 --> 00:00:41,840

camera or isaac science payload

18

00:00:47,510 --> 00:00:44,559

isaac takes frequent images in visible

19

00:00:49,510 --> 00:00:47,520

and infrared light of vegetated areas

20

00:00:51,750 --> 00:00:49,520

isaac is also used to study dynamic

21

00:00:54,470 --> 00:00:51,760

earth processes around the world such as

22

00:00:56,950 --> 00:00:54,480

melting glaciers ecosystem responses to

23

00:00:59,670 --> 00:00:56,960

seasonal changes and human impacts and

24

00:01:01,670 --> 00:00:59,680

rapid response monitoring of natural

25

00:01:04,310 --> 00:01:01,680

disasters

26
00:01:06,469 --> 00:01:04,320
also on monday expedition 33 commander

27
00:01:08,469 --> 00:01:06,479
suni williams had performed maintenance

28
00:01:09,429 --> 00:01:08,479
on the advanced resistive exercise

29
00:01:11,429 --> 00:01:09,439
device

30
00:01:13,429 --> 00:01:11,439
she had deployed two environmental

31
00:01:16,070 --> 00:01:13,439
health system formaldehyde monitoring

32
00:01:18,149 --> 00:01:16,080
kits and relocated soyuz emergency

33
00:01:19,670 --> 00:01:18,159
equipment

34
00:01:20,950 --> 00:01:19,680
then on tuesday it was another light

35
00:01:22,870 --> 00:01:20,960
duty day for the crew aboard the

36
00:01:25,510 --> 00:01:22,880
international space station nonetheless

37
00:01:28,710 --> 00:01:25,520
the expedition 33 crew focused on

38
00:01:30,550 --> 00:01:28,720

science and cargo craft activities

39

00:01:32,149 --> 00:01:30,560

working in the station's columbus module

40

00:01:35,190 --> 00:01:32,159

commander williams had checked out the

41

00:01:37,429 --> 00:01:35,200

erasmus recording recording a binocular

42

00:01:41,429 --> 00:01:37,439

a video camera that will be used to take

43

00:01:43,670 --> 00:01:41,439

3d images of the interior of the station

44

00:01:45,270 --> 00:01:43,680

williams also participated in a session

45

00:01:47,830 --> 00:01:45,280

with the space flight cognitive

46

00:01:49,910 --> 00:01:47,840

assessment tool for windows or winscat

47

00:01:52,149 --> 00:01:49,920

it's a test that attracts changes in a

48

00:01:54,630 --> 00:01:52,159

crew member's cognitive abilities during

49

00:01:56,950 --> 00:01:54,640

a long duration spaceflight

50

00:01:59,590 --> 00:01:56,960

she'd also conducted the reversible

51

00:02:01,670 --> 00:01:59,600

figures experiment

52

00:02:04,389 --> 00:02:01,680

shown here in this uh this video

53

00:02:05,510 --> 00:02:04,399

downlink which tracks how the adaption

54

00:02:07,830 --> 00:02:05,520

of

55

00:02:09,749 --> 00:02:07,840

an astronaut's

56

00:02:14,309 --> 00:02:09,759

system to weightlessness weightlessness

57

00:02:17,030 --> 00:02:14,319

may alter their 3d visual perception

58

00:02:18,949 --> 00:02:17,040

also on tuesday hoshide had photographed

59

00:02:22,470 --> 00:02:18,959

the racks inside the european space

60

00:02:25,750 --> 00:02:22,480

agency's automated transfer vehicle atv3

61

00:02:27,830 --> 00:02:25,760

which delivered 7.2 tons of

62

00:02:30,949 --> 00:02:27,840

food fuel and supplies and will depart

63

00:02:32,550 --> 00:02:30,959

the station on september 25th for a

64

00:02:34,830 --> 00:02:32,560

destructive reentry in earth's

65

00:02:37,509 --> 00:02:34,840

atmosphere a day

66

00:02:39,190 --> 00:02:37,519

later joshua and williams teamed up in

67

00:02:41,910 --> 00:02:39,200

the afternoon to prepare for the arrival

68

00:02:43,270 --> 00:02:41,920

of another cargo craft the spacex dragon

69

00:02:45,350 --> 00:02:43,280

the two astronauts reviewed the

70

00:02:48,470 --> 00:02:45,360

procedures for grappling dragon with the

71

00:02:50,390 --> 00:02:48,480

station's robotic arm and birthing it to

72

00:02:52,710 --> 00:02:50,400

a earth-facing side of the station's

73

00:02:54,630 --> 00:02:52,720

harmony node

74

00:02:56,229 --> 00:02:54,640

and on the russian side of the station

75

00:02:58,229 --> 00:02:56,239

malenchenko

76
00:03:00,229 --> 00:02:58,239
had spent most of his morning on weekly

77
00:03:01,670 --> 00:03:00,239
housekeeping chores cleaning ventilation

78
00:03:02,790 --> 00:03:01,680
screens and inspecting the air

79
00:03:03,910 --> 00:03:02,800
conditioner

80
00:03:06,390 --> 00:03:03,920
later

81
00:03:08,390 --> 00:03:06,400
had checked on the identification

82
00:03:10,550 --> 00:03:08,400
experiment which measures the loads on

83
00:03:13,430 --> 00:03:10,560
the space station structure during

84
00:03:16,949 --> 00:03:13,440
dynamic events such as dockings reboost

85
00:03:19,589 --> 00:03:16,959
spacewalks and exercise sessions

86
00:03:21,509 --> 00:03:19,599
on wednesday expedition 33 commander

87
00:03:23,910 --> 00:03:21,519
suni williams was surprised by the

88
00:03:25,589 --> 00:03:23,920

family of sally ride when they uh wished

89

00:03:34,789 --> 00:03:25,599

her a happy birthday from mission

90

00:03:40,390 --> 00:03:37,190

williams and hoshide got together to

91

00:03:42,070 --> 00:03:40,400

review cargo and gear they will pre-pack

92

00:03:46,309 --> 00:03:42,080

in preparation for the arrival of the

93

00:03:48,229 --> 00:03:46,319

spacex dragon cargo craft in october

94

00:03:49,750 --> 00:03:48,239

the duo also reviewed drag and round

95

00:03:51,509 --> 00:03:49,760

review procedures

96

00:03:53,910 --> 00:03:51,519

williams had later checked the harmony

97

00:03:55,910 --> 00:03:53,920

node's centerline birthing camera system

98

00:03:58,949 --> 00:03:55,920

where the dragon will be birthed when it

99

00:04:03,350 --> 00:04:01,190

and hoshide had answered questions about

100

00:04:04,869 --> 00:04:03,360

life in space from listeners on nippon

101
00:04:09,350 --> 00:04:04,879
radio

102
00:04:11,429 --> 00:04:09,360
with students from

103
00:04:13,429 --> 00:04:11,439
poland

104
00:04:15,429 --> 00:04:13,439
and he had worked throughout the station

105
00:04:19,670 --> 00:04:15,439
sampling air replacing batteries and

106
00:04:23,990 --> 00:04:21,509
and on wednesday a space shuttle

107
00:04:25,749 --> 00:04:24,000
endeavour whose last mission was to the

108
00:04:28,390 --> 00:04:25,759
international space station landed at

109
00:04:30,950 --> 00:04:28,400
ellington field in houston atop a 747

110
00:04:33,189 --> 00:04:30,960
shuttle carrier aircraft

111
00:04:35,270 --> 00:04:33,199
endeavour's final destination is at los

112
00:04:40,070 --> 00:04:35,280
angeles today where it will be delivered

113
00:04:44,870 --> 00:04:42,870

and on thursday commander suni williams

114

00:04:47,510 --> 00:04:44,880

and flight engineers aki hoshide and

115

00:04:49,189 --> 00:04:47,520

yuri malenchenko have participated

116

00:04:52,070 --> 00:04:49,199

in an emergency drill to sharpen the

117

00:04:53,430 --> 00:04:52,080

crew's response to specific emergency

118

00:04:55,749 --> 00:04:53,440

cases

119

00:04:57,670 --> 00:04:55,759

williams and hoshide also took part in a

120

00:04:59,430 --> 00:04:57,680

robotics training session to prepare for

121

00:05:02,310 --> 00:04:59,440

the rendezvous of the spacex dragon

122

00:05:04,230 --> 00:05:02,320

cargo craft in october

123

00:05:05,990 --> 00:05:04,240

williams also performed some maintenance

124

00:05:08,950 --> 00:05:06,000

on the combustion integrated rack and

125

00:05:10,950 --> 00:05:08,960

updated software on the cots uhf

126
00:05:12,950 --> 00:05:10,960
communications unit and the dragon crew

127
00:05:15,749 --> 00:05:12,960
command panel

128
00:05:18,310 --> 00:05:15,759
hoshide had a stowed cargo and took

129
00:05:21,029 --> 00:05:18,320
photographs inside the european space

130
00:05:23,990 --> 00:05:21,039
agency's automated transfer vehicle 3

131
00:05:25,670 --> 00:05:24,000
known as eduardo omaldi again this is

132
00:05:29,110 --> 00:05:25,680
scheduled to depart from the station

133
00:05:30,390 --> 00:05:29,120
next tuesday on september 25th for a

134
00:05:32,150 --> 00:05:30,400
destructive

135
00:05:33,350 --> 00:05:32,160
re-entry in earth's atmosphere the

136
00:05:35,350 --> 00:05:33,360
following day

137
00:05:37,029 --> 00:05:35,360
and then uh malenchenko had worked in

138
00:05:38,950 --> 00:05:37,039

the russian segment of the station

139

00:05:41,029 --> 00:05:38,960

monitoring its systems and performing a

140

00:05:42,390 --> 00:05:41,039

variety of housekeeping and maintenance

141

00:05:44,150 --> 00:05:42,400

duties

142

00:05:46,550 --> 00:05:44,160

and today friday

143

00:05:48,469 --> 00:05:46,560

commander sunny williams

144

00:05:51,670 --> 00:05:48,479

is uh working on the setup of the

145

00:05:54,950 --> 00:05:51,680

elaborate imagine televised space to the

146

00:05:58,070 --> 00:05:54,960

elite s2 experiment she had reconfigured

147

00:06:00,390 --> 00:05:58,080

the medical laptop medium rate data link

148

00:06:02,950 --> 00:06:00,400

cable gathered hardware for maintenance

149

00:06:05,430 --> 00:06:02,960

on the carbon dioxide removal assembly

150

00:06:07,590 --> 00:06:05,440

at a session of crew medical officer

151

00:06:09,110 --> 00:06:07,600

proficiency training and also

152

00:06:11,350 --> 00:06:09,120

participated in a ham house with

153

00:06:13,909 --> 00:06:11,360

lafayette middle school lafayette and

154

00:06:15,830 --> 00:06:13,919

transferred water into a contingency

155

00:06:18,629 --> 00:06:15,840

water container of the water recovery

156

00:06:20,629 --> 00:06:18,639

system meanwhile today hoshide worked on

157

00:06:23,670 --> 00:06:20,639

installing the japanese experiment

158

00:06:26,710 --> 00:06:23,680

module small satellite orbital deployer

159

00:06:28,309 --> 00:06:26,720

onto a multi-purpose experiment platform

160

00:06:32,469 --> 00:06:28,319

deployment of those satellites is

161

00:06:34,469 --> 00:06:32,479

scheduled for september 27th he had also

162

00:06:37,350 --> 00:06:34,479

installed three alignment guides and

163

00:06:39,590 --> 00:06:37,360

combustion integrated rack attach the

164

00:06:42,150 --> 00:06:39,600

message in a bottle to experiment to the

165

00:06:45,110 --> 00:06:42,160

multi-purpose experiment platform

166

00:06:48,070 --> 00:06:45,120

gather tools for atv3 again edgewater

167

00:06:50,950 --> 00:06:48,080

omaldi the european cargo craft that had

168

00:06:53,029 --> 00:06:50,960

arrived at the station back in march

169

00:06:54,950 --> 00:06:53,039

hatches closed scheduled for next monday

170

00:06:58,230 --> 00:06:54,960

and again that departure is scheduled

171

00:07:00,150 --> 00:06:58,240

for tuesday on september 25th

172

00:07:02,710 --> 00:07:00,160

each of the crew members will have put

173

00:07:04,390 --> 00:07:02,720

in their daily two hours of exercise

174

00:07:06,790 --> 00:07:04,400

using the onboard gym equipment that

175

00:07:08,710 --> 00:07:06,800

includes a station bicycle a treadmill

176

00:07:10,629 --> 00:07:08,720

and an advanced resistive exercise

177

00:07:11,670 --> 00:07:10,639

device that simulates weightlifting here

178

00:07:13,430 --> 00:07:11,680

on earth

179

00:07:15,270 --> 00:07:13,440

the crew will then wrap the day with a

180

00:07:16,790 --> 00:07:15,280

final daily planning conference with the

181

00:07:18,469 --> 00:07:16,800

ground

182

00:07:20,150 --> 00:07:18,479

to begin their weekend aboard the

183

00:07:23,189 --> 00:07:20,160

international space station the crew is

184

00:07:24,710 --> 00:07:23,199

then scheduled to go to bed at 4 30 pm