



1
00:01:00,150 --> 00:00:58,229
after a week of hunting down satellites

2
00:01:02,630 --> 00:01:00,160
and walking in space endeavour's

3
00:01:04,710 --> 00:01:02,640
astronauts get a day to relax heading

4
00:01:06,710 --> 00:01:04,720
down the home stretch the crew turns to

5
00:01:08,789 --> 00:01:06,720
preparations for bringing its ship into

6
00:01:10,870 --> 00:01:08,799
port we've got the story of flight day

7
00:01:25,030 --> 00:01:10,880
eight aboard endeavour next on today's

8
00:01:29,109 --> 00:01:27,270
welcome to mission update the astronauts

9
00:01:31,190 --> 00:01:29,119
of endeavor are near the end of their

10
00:01:33,190 --> 00:01:31,200
seventh full workday and have begun to

11
00:01:35,590 --> 00:01:33,200
get their spacecraft ready to end its

12
00:01:37,590 --> 00:01:35,600
tenth trip to earth orbit after four

13
00:01:39,109 --> 00:01:37,600

scheduled hours of off-duty time and

14

00:01:41,190 --> 00:01:39,119

with the primary objectives of the

15

00:01:42,710 --> 00:01:41,200

mission completed the six crew members

16

00:01:45,190 --> 00:01:42,720

turned their attention to a number of

17

00:01:46,789 --> 00:01:45,200

secondary experiments and packing up

18

00:01:48,870 --> 00:01:46,799

some of their equipment for the trip

19

00:01:50,550 --> 00:01:48,880

home saturday morning the orbiter

20

00:01:52,870 --> 00:01:50,560

systems are reported to be operating in

21

00:01:54,630 --> 00:01:52,880

fine fashion flight controllers have not

22

00:01:56,789 --> 00:01:54,640

been able to determine the cause of an

23

00:01:58,950 --> 00:01:56,799

ice buildup in the topper unit of the

24

00:02:01,030 --> 00:01:58,960

flash evaporator system which assists

25

00:02:02,709 --> 00:02:01,040

the payload bay door radiators in

26

00:02:05,030 --> 00:02:02,719

dissipating heat generated by the

27

00:02:07,350 --> 00:02:05,040

shuttle's systems but mission operations

28

00:02:09,430 --> 00:02:07,360

representative jeff bantel says the fess

29

00:02:10,949 --> 00:02:09,440

is working fine now

30

00:02:13,190 --> 00:02:10,959

we are looking at

31

00:02:14,949 --> 00:02:13,200

doing a longer fest dump in the test

32

00:02:17,030 --> 00:02:14,959

that we tried yesterday

33

00:02:18,710 --> 00:02:17,040

we've been using the fess off and on

34

00:02:20,390 --> 00:02:18,720

during the day today in the primary beat

35

00:02:21,830 --> 00:02:20,400

controller it's worked great haven't

36

00:02:23,270 --> 00:02:21,840

been any problems

37

00:02:24,710 --> 00:02:23,280

if our water quantity is allowed we'll

38

00:02:26,550 --> 00:02:24,720

probably do a little bit longer kind of

39

00:02:28,710 --> 00:02:26,560

a festive tomorrow

40

00:02:31,030 --> 00:02:28,720

bantal says that will provide more data

41

00:02:32,630 --> 00:02:31,040

on the fess operations to assist and to

42

00:02:34,470 --> 00:02:32,640

assist the engineers who will be

43

00:02:37,030 --> 00:02:34,480

checking the system after the orbiter

44

00:02:39,670 --> 00:02:37,040

returns to earth right now endeavour is

45

00:02:42,710 --> 00:02:39,680

in the 115th orbit of the mission flying

46

00:02:45,670 --> 00:02:42,720

some 190 miles over the pacific ocean at

47

00:02:47,430 --> 00:02:45,680

a speed of 17 500 miles an hour the

48

00:02:48,390 --> 00:02:47,440

shuttle orbits the earth every 90

49

00:02:50,710 --> 00:02:48,400

minutes

50

00:02:52,470 --> 00:02:50,720

on board endeavor all six astronauts are

51
00:02:54,390 --> 00:02:52,480
nearing the end of their pre-sleep

52
00:02:56,070 --> 00:02:54,400
period and they're scheduled to turn in

53
00:02:57,589 --> 00:02:56,080
for the night in just a couple of

54
00:02:59,830 --> 00:02:57,599
minutes

55
00:03:01,990 --> 00:02:59,840
after almost a week's worth of satellite

56
00:03:04,149 --> 00:03:02,000
retrieval and walking in space the

57
00:03:06,470 --> 00:03:04,159
astronauts took it easy today seeing two

58
00:03:18,790 --> 00:03:06,480
secondary payloads and taking some time

59
00:03:22,949 --> 00:03:20,869
an up tempo start to endeavor's eighth

60
00:03:24,869 --> 00:03:22,959
day in space last night as mission

61
00:03:27,589 --> 00:03:24,879
control roused the astronauts for what

62
00:03:29,190 --> 00:03:27,599
would be a quiet day in orbit with all

63
00:03:31,509 --> 00:03:29,200

their mission objectives having been

64

00:03:33,589 --> 00:03:31,519

successfully completed the astronauts

65

00:03:35,990 --> 00:03:33,599

were given the day to relax enjoy the

66

00:03:38,710 --> 00:03:36,000

view of the planet and capture images of

67

00:03:41,030 --> 00:03:38,720

the earth from their vantage point 192

68

00:03:42,949 --> 00:03:41,040

miles in space

69

00:03:44,949 --> 00:03:42,959

as endeavour passed over the gulf coast

70

00:03:46,710 --> 00:03:44,959

of florida early this morning flight

71

00:03:48,550 --> 00:03:46,720

controllers and pilot brent jett

72

00:03:50,869 --> 00:03:48,560

discussed weather conditions back on

73

00:03:52,869 --> 00:03:50,879

earth in particular a massive weather

74

00:03:55,509 --> 00:03:52,879

system heading toward the southeast and

75

00:03:57,830 --> 00:03:55,519

endeavors landing site

76

00:04:00,149 --> 00:03:57,840

brent we have the weather

77

00:04:01,750 --> 00:04:00,159

radar and the visible satellite picture

78

00:04:04,070 --> 00:04:01,760

up on our screens right now and there is

79

00:04:05,429 --> 00:04:04,080

a front coming by we're clear now but we

80

00:04:06,949 --> 00:04:05,439

expect some

81

00:04:08,710 --> 00:04:06,959

squall weather

82

00:04:10,390 --> 00:04:08,720

towards morning here

83

00:04:12,390 --> 00:04:10,400

glad you got a good look

84

00:04:13,990 --> 00:04:12,400

yeah tom we just passed right overhead

85

00:04:16,390 --> 00:04:14,000

and we could see that stuff out to the

86

00:04:17,749 --> 00:04:16,400

north and west

87

00:04:19,270 --> 00:04:17,759

we're just concerned that it goes

88

00:04:20,550 --> 00:04:19,280

through florida by the time you guys are

89

00:04:22,150 --> 00:04:20,560

ready to come home

90

00:04:23,830 --> 00:04:22,160

the forecast for the kennedy space

91

00:04:25,510 --> 00:04:23,840

center calls for good conditions for

92

00:04:26,870 --> 00:04:25,520

endeavor scheduled landing early

93

00:04:28,550 --> 00:04:26,880

saturday

94

00:04:31,030 --> 00:04:28,560

three of endeavors crew members

95

00:04:33,510 --> 00:04:31,040

commander brian duffy japanese astronaut

96

00:04:35,270 --> 00:04:33,520

koichi wakata and mission specialist

97

00:04:37,189 --> 00:04:35,280

winston scott gathered on the shuttle's

98

00:04:38,870 --> 00:04:37,199

flight deck this morning to answer

99

00:04:40,950 --> 00:04:38,880

questions about their mission from south

100

00:04:42,710 --> 00:04:40,960

african students at a television studio

101

00:04:44,629 --> 00:04:42,720

in johannesburg

102

00:04:47,030 --> 00:04:44,639

scott who spent seven hours space

103

00:04:49,110 --> 00:04:47,040

walking in endeavors cargo bay yesterday

104

00:04:51,030 --> 00:04:49,120

said a vital test of his spacesuit's

105

00:04:52,870 --> 00:04:51,040

ability to insulate him from bitterly

106

00:04:54,469 --> 00:04:52,880

cold temperatures proved to be

107

00:04:56,150 --> 00:04:54,479

successful

108

00:04:59,189 --> 00:04:56,160

the most important part i think was the

109

00:05:01,749 --> 00:04:59,199

35 minutes that i used to stand still in

110

00:05:02,950 --> 00:05:01,759

the most cold environment that we could

111

00:05:05,670 --> 00:05:02,960

uh achieve

112

00:05:07,430 --> 00:05:05,680

and i activated the thermal uh the

113

00:05:08,870 --> 00:05:07,440

heating units on my suit to see whether

114

00:05:10,710 --> 00:05:08,880

or not they would keep me warm and i'm

115

00:05:12,790 --> 00:05:10,720

happy to report that they they worked

116

00:05:14,550 --> 00:05:12,800

very very well i

117

00:05:16,950 --> 00:05:14,560

never once felt uncomfortable out there

118

00:05:19,270 --> 00:05:16,960

in the coral of space

119

00:05:21,029 --> 00:05:19,280

wakata who retrieved two satellites

120

00:05:23,270 --> 00:05:21,039

during the mission including his

121

00:05:25,350 --> 00:05:23,280

country's space flier unit said the

122

00:05:28,550 --> 00:05:25,360

mission represented another success in

123

00:05:31,029 --> 00:05:28,560

the arena of international cooperation

124

00:05:33,430 --> 00:05:31,039

we saw the perfect teamwork during this

125

00:05:34,390 --> 00:05:33,440

retrieval together with the crew members

126
00:05:36,230 --> 00:05:34,400
here

127
00:05:37,590 --> 00:05:36,240
and this is one of the very good

128
00:05:38,950 --> 00:05:37,600
examples of the international

129
00:05:44,230 --> 00:05:38,960
cooperation

130
00:05:47,510 --> 00:05:44,240
the most important thing to proceed on

131
00:05:49,270 --> 00:05:47,520
to further frontier in space

132
00:05:51,749 --> 00:05:49,280
endeavor continued to circle the earth

133
00:05:53,830 --> 00:05:51,759
every 90 minutes as the astronauts began

134
00:05:55,830 --> 00:05:53,840
to gear up for the final hours of their

135
00:05:58,070 --> 00:05:55,840
flight and an end to the first shuttle

136
00:05:59,990 --> 00:05:58,080
mission of the year

137
00:06:02,310 --> 00:06:00,000
now here's a look at what's coming up in

138
00:06:04,390 --> 00:06:02,320

the next day on orbit and our schedule

139

00:06:06,870 --> 00:06:04,400

for nasa television coverage

140

00:06:08,950 --> 00:06:06,880

in just a few minutes the six astronauts

141

00:06:11,350 --> 00:06:08,960

on board endeavor end their eighth day

142

00:06:12,309 --> 00:06:11,360

on orbit and start an eight-hour sleep

143

00:06:14,550 --> 00:06:12,319

period

144

00:06:16,390 --> 00:06:14,560

at 10 central time we'll hold our daily

145

00:06:18,629 --> 00:06:16,400

mission status briefing from here at the

146

00:06:20,469 --> 00:06:18,639

johnson space center immediately

147

00:06:22,469 --> 00:06:20,479

afterward we'll go to the goddard space

148

00:06:24,550 --> 00:06:22,479

flight center for science briefings on

149

00:06:27,029 --> 00:06:24,560

the shuttle laser altimeter and the

150

00:06:29,110 --> 00:06:27,039

getaway specials the flight day video

151

00:06:31,590 --> 00:06:29,120

file containing highlights of this day

152

00:06:32,950 --> 00:06:31,600

on orbit comes up on nasa television at

153

00:06:34,870 --> 00:06:32,960

11 30.

154

00:06:37,749 --> 00:06:34,880

the astronauts start their final full

155

00:06:39,749 --> 00:06:37,759

work day in space at 5 11 this afternoon

156

00:06:41,350 --> 00:06:39,759

with preparations for saturday's

157

00:06:43,110 --> 00:06:41,360

pre-dawn landing

158

00:06:45,270 --> 00:06:43,120

about a quarter to nine tonight

159

00:06:47,510 --> 00:06:45,280

commander brian duffy and pilot brent

160

00:06:50,070 --> 00:06:47,520

jett start the pre-landing checkout of

161

00:06:52,070 --> 00:06:50,080

endeavour's flight control systems about

162

00:06:54,870 --> 00:06:52,080

an hour later they will hot fire the

163

00:06:56,870 --> 00:06:54,880

reaction control system jets to ensure

164

00:06:58,870 --> 00:06:56,880

controllability of the orbiter as it

165

00:07:01,430 --> 00:06:58,880

re-enters the atmosphere

166

00:07:03,670 --> 00:07:01,440

at 11 41 central time tonight the crew

167

00:07:05,670 --> 00:07:03,680

holds its in-flight news conference the

168

00:07:08,150 --> 00:07:05,680

first 20 minutes of tonight's event will

169

00:07:10,629 --> 00:07:08,160

be for u.s reporters and the final 10

170

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

minutes will be in japanese for japanese

171

00:07:13,589 --> 00:07:11,680

reporters

172

00:07:15,510 --> 00:07:13,599

a bit after one o'clock tomorrow morning

173

00:07:17,909 --> 00:07:15,520

duffy will take a turn at the portable

174

00:07:19,909 --> 00:07:17,919

in-flight landing operations trainer a

175

00:07:22,309 --> 00:07:19,919

computer flight simulator used by

176

00:07:23,830 --> 00:07:22,319

commanders and pilots on orbit to hone

177

00:07:25,589 --> 00:07:23,840

their flying skills

178

00:07:27,749 --> 00:07:25,599

other crew members will be busy packing

179

00:07:30,070 --> 00:07:27,759

up the crew cabin overnight and mission

180

00:07:33,110 --> 00:07:30,080

specialist koichi wakata will stow the

181

00:07:34,469 --> 00:07:33,120

ku band communications antenna at 3 11

182

00:07:36,550 --> 00:07:34,479

tomorrow morning

183

00:07:38,309 --> 00:07:36,560

all of the activity on board endeavor is

184

00:07:40,150 --> 00:07:38,319

being guided from the mission control

185

00:07:42,790 --> 00:07:40,160

center here in houston where flight

186

00:07:44,790 --> 00:07:42,800

director rob kelso and his orbit 2 team

187

00:07:46,790 --> 00:07:44,800

are on duty flight director john

188

00:07:48,790 --> 00:07:46,800

shannon's planning shift comes on

189

00:07:50,870 --> 00:07:48,800

console later this morning

190

00:07:53,430 --> 00:07:50,880

a reminder immediately after our 10

191

00:07:55,430 --> 00:07:53,440

o'clock mission status briefing nasa tv

192

00:07:57,430 --> 00:07:55,440

will bring you special science briefings

193

00:07:59,589 --> 00:07:57,440

on the shuttle laser altimeter and the

194

00:08:02,790 --> 00:07:59,599

getaway specials and then our flight day

195

00:08:04,950 --> 00:08:02,800

video file will air at 11 30. we'll be