1
00:00:06,789 --> 00:00:04,230
good afternoon to you from the johnson

2
00:00:08,710 --> 00:00:06,799
space center welcome to today's sts-133

3
00:00:10,629 --> 00:00:08,720
mission status briefing we are joined by

4
00:00:12,230 --> 00:00:10,639
brian lonnie the lead shuttle flight

5
00:00:14,950 --> 00:00:12,240
director he just wrapped up his orbit

6
00:00:17,750 --> 00:00:14,960
one shift for this mission also the last

7
00:00:19,429 --> 00:00:17,760
uh on console duty for his entire career

8
00:00:21,750 --> 00:00:19,439
we're not quite done with him yet so

9
00:00:23,349 --> 00:00:21,760
he's going to give us an update with 133

10
00:00:25,509 --> 00:00:23,359
today we're also joined by kenny todd

11
00:00:27,029 --> 00:00:25,519
the mission integrations and operations

12
00:00:28,870 --> 00:00:27,039
manager for the international space

13
00:00:30,630 --> 00:00:28,880

station so we'll talk about today's

14
00:00:32,229 --> 00:00:30,640
undocking activities we'll get started

15
00:00:33,430 --> 00:00:32,239
with brian

16
00:00:35,430 --> 00:00:33,440
thank you sir

17
00:00:37,350 --> 00:00:35,440
uh thanks to all of you for coming out

18
00:00:39,190 --> 00:00:37,360
uh we've had another great day in space

19
00:00:41,190 --> 00:00:39,200
so while it was my last shift it was

20
00:00:42,950 --> 00:00:41,200
certainly a great shift going out on top

21
00:00:44,869 --> 00:00:42,960
everything's in great shape

22
00:00:47,830 --> 00:00:44,879
crew woke up this morning flight day 12

23
00:00:49,830 --> 00:00:47,840
they woke up about 2 23 central time

24
00:00:51,750 --> 00:00:49,840
we performed our undocking fly around as

25
00:00:53,750 --> 00:00:51,760
scheduled at about 6 a.m

26
00:00:56,229 --> 00:00:53,760
they began their late inspection which

27
00:00:58,470 --> 00:00:56,239
is where we're going to go get the

28
00:01:00,310 --> 00:00:58,480
hobie ss and use a robotic arm to

29
00:01:02,069 --> 00:01:00,320
inspect the tps on the vehicle make sure

30
00:01:03,990 --> 00:01:02,079
it's in great shape for entry

31
00:01:05,910 --> 00:01:04,000
the birthing of that the obss will occur

32
00:01:07,910 --> 00:01:05,920
about 3 30 this afternoon when they're

33
00:01:09,910 --> 00:01:07,920
done and then the folks on the ground

34
00:01:11,190 --> 00:01:09,920
the damage assessment teams will go

35
00:01:13,109 --> 00:01:11,200
through all the data from the

36
00:01:14,469 --> 00:01:13,119
inspections and review and make sure the

37
00:01:16,070 --> 00:01:14,479
orbiter is still in great shape for

38
00:01:17,510 --> 00:01:16,080

landing

39
00:01:19,109 --> 00:01:17,520
and we should have those results

40
00:01:20,070 --> 00:01:19,119
sometime tomorrow the next day and i

41
00:01:21,749 --> 00:01:20,080
think

42
00:01:23,109 --> 00:01:21,759
tony soccer or leroy kane will bring

43
00:01:24,950 --> 00:01:23,119
those results to you

44
00:01:26,950 --> 00:01:24,960
tonight the crew goes to sleep about 6

45
00:01:29,429 --> 00:01:26,960
23 and again they wake up tomorrow about

46
00:01:31,670 --> 00:01:29,439
the same time at 2 23

47
00:01:33,749 --> 00:01:31,680
and that will on flight day 3 of course

48
00:01:36,310 --> 00:01:33,759
13. kick off the nominal intermission

49
00:01:38,310 --> 00:01:36,320
minus one day activities fcs checkout

50
00:01:40,950 --> 00:01:38,320
rcs hot fire and those sorts of things

51
00:01:42,310 --> 00:01:40,960
we also have a couple of rambo burns

52
00:01:44,630 --> 00:01:42,320
scheduled which are

53
00:01:47,030 --> 00:01:44,640
called ram burn observations it's a

54
00:01:50,069 --> 00:01:47,040
little dto we do where we burn the homes

55
00:01:51,270 --> 00:01:50,079
the rcs engines and a couple of times

56
00:01:52,870 --> 00:01:51,280
one in the morning and one in the

57
00:01:54,550 --> 00:01:52,880
evening

58
00:01:57,109 --> 00:01:54,560
the undocking fly around as i said was

59
00:01:59,270 --> 00:01:57,119
nominal eric beau did a fantastic job

60
00:02:01,109 --> 00:01:59,280
flying the profile there were no issues

61
00:02:03,270 --> 00:02:01,119
whatsoever the team was there to support

62
00:02:05,350 --> 00:02:03,280
them but he did it all on his own from

63
00:02:07,190 --> 00:02:05,360

what i could tell he did a great job

64
00:02:08,469 --> 00:02:07,200
right on the profile exactly as we would

65
00:02:09,430 --> 00:02:08,479
want

66
00:02:11,029 --> 00:02:09,440
we looked at some of the early

67
00:02:12,790 --> 00:02:11,039
propulsion propellant consumption

68
00:02:14,470 --> 00:02:12,800
numbers and he came in a little bit low

69
00:02:16,309 --> 00:02:14,480
which is great that means he used less

70
00:02:18,229 --> 00:02:16,319
than expected

71
00:02:20,309 --> 00:02:18,239
he just flew a really good profile at

72
00:02:22,630 --> 00:02:20,319
the end of that we did our sep 2 which

73
00:02:24,630 --> 00:02:22,640
was a three foot per second retrograde

74
00:02:27,270 --> 00:02:24,640
burn and that's setting us up for an

75
00:02:28,790 --> 00:02:27,280
orbit adjust later on tomorrow

76
00:02:30,710 --> 00:02:28,800
uh that will set up some deorbit

77
00:02:32,390 --> 00:02:30,720
opportunities that entry flight director

78
00:02:35,030 --> 00:02:32,400
tony soccer will be in here tomorrow to

79
00:02:36,309 --> 00:02:35,040
talk with you all about

80
00:02:38,869 --> 00:02:36,319
again the late inspection ops are

81
00:02:41,270 --> 00:02:38,879
ongoing steve lindsey eric bowe and al

82
00:02:43,509 --> 00:02:41,280
drew are flying the arm taking a good

83
00:02:44,869 --> 00:02:43,519
close look at the tps making sure it's

84
00:02:46,550 --> 00:02:44,879
in good shape and they're going to

85
00:02:48,390 --> 00:02:46,560
downlink all of that data for the folks

86
00:02:49,509 --> 00:02:48,400
to review on the ground overnight

87
00:02:51,670 --> 00:02:49,519
and

88
00:02:54,229 --> 00:02:51,680

things are gonna look really good

89
00:02:55,910 --> 00:02:54,239
from a systems perspective discovery's

90
00:02:57,670 --> 00:02:55,920
in great shape as i mentioned i really

91
00:02:59,750 --> 00:02:57,680
don't have much to say uh talk about

92
00:03:02,149 --> 00:02:59,760
because there are no real anomalies to

93
00:03:03,509 --> 00:03:02,159
talk about she's just doing great

94
00:03:05,430 --> 00:03:03,519
so we're optimistic everything's going

95
00:03:06,790 --> 00:03:05,440
to continue for the next couple of days

96
00:03:07,830 --> 00:03:06,800
as they have for the past couple of

97
00:03:12,790 --> 00:03:07,840
weeks

98
00:03:16,630 --> 00:03:14,630
well thanks very much it's great to be

99
00:03:18,630 --> 00:03:16,640
here with you today um

100
00:03:21,670 --> 00:03:18,640
we just concluded a an absolutely

101
00:03:22,790 --> 00:03:21,680
fantastic doc mission with the with the

102
00:03:24,390 --> 00:03:22,800
shuttle team

103
00:03:26,309 --> 00:03:24,400
uh you know every one of these missions

104
00:03:29,670 --> 00:03:26,319
when you go into them they uh they tend

105
00:03:31,430 --> 00:03:29,680
to take on their own own character um

106
00:03:32,789 --> 00:03:31,440
as defined by what problems you deal

107
00:03:34,149 --> 00:03:32,799
with along the way whether it's on the

108
00:03:36,630 --> 00:03:34,159
shuttle side or whether it's on the

109
00:03:38,390 --> 00:03:36,640
station side or you know if we have an

110
00:03:40,229 --> 00:03:38,400
issue with an eba and we end up having

111
00:03:41,990 --> 00:03:40,239
to go back and and remove some

112
00:03:42,710 --> 00:03:42,000
objectives or rework the plan a little

113
00:03:45,110 --> 00:03:42,720

bit

114
00:03:46,550 --> 00:03:45,120
and uh and and this mission was no

115
00:03:48,949 --> 00:03:46,560
different we had some bumps along the

116
00:03:51,670 --> 00:03:48,959
way but but nothing that really um

117
00:03:53,270 --> 00:03:51,680
threatened us from having to uh change

118
00:03:55,030 --> 00:03:53,280
the mission profile or anything that we

119
00:03:57,190 --> 00:03:55,040
wanted to do relative to the objectives

120
00:03:59,030 --> 00:03:57,200
we we accomplished so i think if i had

121
00:04:01,190 --> 00:03:59,040
to step back and characterize this

122
00:04:03,670 --> 00:04:01,200
entire mission i would really call it an

123
00:04:06,550 --> 00:04:03,680
above and beyond mission

124
00:04:08,070 --> 00:04:06,560
the systems performed very very well

125
00:04:10,309 --> 00:04:08,080
well to the point that we were able to

126
00:04:12,149 --> 00:04:10,319
add a couple extra days which

127
00:04:13,990 --> 00:04:12,159
we just don't do that often we don't do

128
00:04:16,710 --> 00:04:14,000
doc missions and add a couple extra days

129
00:04:18,310 --> 00:04:16,720
but it allowed us to go and do some work

130
00:04:19,909 --> 00:04:18,320
on the pmm

131
00:04:21,749 --> 00:04:19,919
accelerate some of the outfitting which

132
00:04:24,150 --> 00:04:21,759
really helps to preserve some of our

133
00:04:26,390 --> 00:04:24,160
science opportunities in the stage

134
00:04:27,990 --> 00:04:26,400
since since we got a lot of traffic

135
00:04:29,990 --> 00:04:28,000
coming to and from station over the next

136
00:04:31,830 --> 00:04:30,000
several weeks so so being able to get

137
00:04:34,469 --> 00:04:31,840
that work behind us now

138
00:04:36,230 --> 00:04:34,479

with a with a larger crew was very very

139
00:04:37,350 --> 00:04:36,240
helpful for us

140
00:04:40,070 --> 00:04:37,360
in addition to that we had an

141
00:04:41,909 --> 00:04:40,080
opportunity to perform some repair tasks

142
00:04:44,390 --> 00:04:41,919
that again would have had to do in this

143
00:04:46,070 --> 00:04:44,400
stage uh some one that we've been

144
00:04:48,550 --> 00:04:46,080
tracking another one that came up early

145
00:04:50,469 --> 00:04:48,560
in the mission uh with the the cedar the

146
00:04:52,950 --> 00:04:50,479
carbon dioxide removal assembly and we

147
00:04:54,710 --> 00:04:52,960
went and did that task as part of the

148
00:04:56,870 --> 00:04:54,720
extra days

149
00:04:58,790 --> 00:04:56,880
in addition to that again keeping with

150
00:05:01,350 --> 00:04:58,800
the above and beyond sort of mission we

151
00:05:03,110 --> 00:05:01,360
had even in the eva we were able uh with

152
00:05:04,870 --> 00:05:03,120
this particular crew to go out and get

153
00:05:06,230 --> 00:05:04,880
uh several what we call get aheads

154
00:05:07,510 --> 00:05:06,240
things that we've been tracking that we

155
00:05:09,510 --> 00:05:07,520
wanted to get accomplished during the

156
00:05:11,189 --> 00:05:09,520
mission but but uh they weren't in the

157
00:05:13,110 --> 00:05:11,199
original timeline but but the

158
00:05:15,029 --> 00:05:13,120
performance of the crew actually allowed

159
00:05:17,670 --> 00:05:15,039
us to go get those at it so that was

160
00:05:19,430 --> 00:05:17,680
that was outstanding um

161
00:05:21,990 --> 00:05:19,440
again following the same theme the

162
00:05:23,990 --> 00:05:22,000
shuttle left us in in a great shape

163
00:05:26,710 --> 00:05:24,000

they the the shuttle performed so well

164
00:05:28,710 --> 00:05:26,720
that we were able to uh to get some

165
00:05:31,270 --> 00:05:28,720
extra consumables from them and in terms

166
00:05:32,469 --> 00:05:31,280
of o2 they didn't use near as much lions

167
00:05:33,830 --> 00:05:32,479
that thought they were going to use and

168
00:05:35,670 --> 00:05:33,840
so

169
00:05:38,550 --> 00:05:35,680
i think that's all just a testament to

170
00:05:40,790 --> 00:05:38,560
the to the team at ksc that prepares

171
00:05:42,790 --> 00:05:40,800
this vehicle and gets it ready to fly it

172
00:05:44,710 --> 00:05:42,800
it's obvious by the performance that

173
00:05:46,310 --> 00:05:44,720
they they put their heart and soul in

174
00:05:49,110 --> 00:05:46,320
getting this vehicle ready to fly for us

175
00:05:51,430 --> 00:05:49,120
and and as the primary benefactor of it

176
00:05:53,350 --> 00:05:51,440
here in the iss program we we can't say

177
00:05:55,510 --> 00:05:53,360
enough about the job that those those

178
00:05:58,469 --> 00:05:55,520
folks have done for us so

179
00:05:59,909 --> 00:05:58,479
definitely bittersweet this morning as a

180
00:06:01,510 --> 00:05:59,919
a space station

181
00:06:04,950 --> 00:06:01,520
program

182
00:06:04,960 --> 00:06:07,590
she leave
she had done just a flawless mission for