
Bryan Lunney
Mission Operations Representative

1
00:00:05,110 --> 00:00:03,350
good afternoon and welcome to nasa's

2
00:00:07,909 --> 00:00:05,120
johnson space center this is the mission

3
00:00:09,750 --> 00:00:07,919
status briefing for the sts-132 flight

4
00:00:11,589 --> 00:00:09,760
on flight day 10 which featured the

5
00:00:13,589 --> 00:00:11,599
undocking of the space shuttles from the

6
00:00:15,509 --> 00:00:13,599
international space station to give us

7
00:00:17,029 --> 00:00:15,519
the status of today's activities we have

8
00:00:19,349 --> 00:00:17,039
the mission operations representative

9
00:00:20,630 --> 00:00:19,359
from mission control brian lenny i'll

10
00:00:23,189 --> 00:00:20,640
turn it over to brian for opening

11
00:00:25,189 --> 00:00:23,199
comments and then we'll take questions

12
00:00:26,710 --> 00:00:25,199
okay thank you kylie well things are

13
00:00:28,710 --> 00:00:26,720

going really well in space we've had a

14
00:00:30,950 --> 00:00:28,720
really great day in space so far also

15
00:00:33,670 --> 00:00:30,960
had a really great docked mission

16
00:00:35,030 --> 00:00:33,680
with the undocking today we had just to

17
00:00:37,590 --> 00:00:35,040
wrap up some of these things we had

18
00:00:39,670 --> 00:00:37,600
three very successful avas as you know

19
00:00:41,350 --> 00:00:39,680
all six of the new p6 batteries were all

20
00:00:42,549 --> 00:00:41,360
online and doing really well performing

21
00:00:45,350 --> 00:00:42,559
normally

22
00:00:47,190 --> 00:00:45,360
all the plan transfer has been completed

23
00:00:47,990 --> 00:00:47,200
uh including the mini research module

24
00:00:49,350 --> 00:00:48,000
which i'll go ahead and give you the

25
00:00:53,750 --> 00:00:49,360
numbers because i think some folks will

26
00:00:55,350 --> 00:00:53,760
ask which weighed about 17 670 pounds

27
00:00:57,189 --> 00:00:55,360
that is activated and is looking like

28
00:00:59,670 --> 00:00:57,199
it's in really good shape the cargo

29
00:01:02,869 --> 00:00:59,680
pilot was transferred over of course

30
00:01:05,910 --> 00:01:02,879
going up it had about 7 500 32 pounds at

31
00:01:07,190 --> 00:01:05,920
7 532 pounds coming down

32
00:01:10,070 --> 00:01:07,200
we brought it back and put it in payload

33
00:01:11,910 --> 00:01:10,080
bay of course it's going to have 6 466

34
00:01:13,510 --> 00:01:11,920
pounds so with just the batteries on

35
00:01:14,789 --> 00:01:13,520
there it lost about a thousand pounds

36
00:01:17,109 --> 00:01:14,799
give or take

37
00:01:20,950 --> 00:01:17,119
the mid deck transfer we transferred

38
00:01:22,870 --> 00:01:20,960

about 1 325 pounds of water to iss

39
00:01:27,109 --> 00:01:22,880
in addition for cargo we transferred

40
00:01:29,109 --> 00:01:27,119
about 2 192 pounds to the iss and on the

41
00:01:30,190 --> 00:01:29,119
way back the shuttle is bringing home

42
00:01:34,469 --> 00:01:30,200
about

43
00:01:36,870 --> 00:01:34,479
1763 pounds of station cargo

44
00:01:39,030 --> 00:01:36,880
undock occurred today at 10 22 local

45
00:01:41,429 --> 00:01:39,040
time and the final separation burn was

46
00:01:42,950 --> 00:01:41,439
complete about 1205.

47
00:01:44,950 --> 00:01:42,960
everything was nominal is a beautiful

48
00:01:46,469 --> 00:01:44,960
fly around performed by our pilot tony

49
00:01:47,749 --> 00:01:46,479
antonelli

50
00:01:49,270 --> 00:01:47,759
prior to undock

51
00:01:50,550 --> 00:01:49,280
there were some call downs from the crew

52
00:01:52,550 --> 00:01:50,560
that the space shuttle lights that

53
00:01:55,590 --> 00:01:52,560
illuminate the docking target

54
00:01:57,990 --> 00:01:55,600
for undocking would not work so the crew

55
00:02:00,069 --> 00:01:58,000
tried some troubleshooting with that had

56
00:02:02,550 --> 00:02:00,079
no success so they went ahead attached a

57
00:02:03,990 --> 00:02:02,560
flashlight to the area that was

58
00:02:05,350 --> 00:02:04,000
illuminating the target for them and

59
00:02:07,190 --> 00:02:05,360
that worked really well

60
00:02:08,869 --> 00:02:07,200
so that little ifm worked well and we're

61
00:02:10,229 --> 00:02:08,879
glad the crew was able to take care of

62
00:02:12,150 --> 00:02:10,239
that for us

63
00:02:14,390 --> 00:02:12,160

sunday undocking was accomplished with

64
00:02:15,830 --> 00:02:14,400
no issues it was very clean

65
00:02:17,510 --> 00:02:15,840
of course tomorrow is late inspection

66
00:02:20,470 --> 00:02:17,520
day and all that will be executed with

67
00:02:22,070 --> 00:02:20,480
the nominal procedures followed by the

68
00:02:23,990 --> 00:02:22,080
flight day 12 which will be our standard

69
00:02:25,750 --> 00:02:24,000
entry minus one day

70
00:02:27,750 --> 00:02:25,760
check out of all the entry systems and

71
00:02:29,270 --> 00:02:27,760
then of course we're going to have a

72
00:02:31,670 --> 00:02:29,280
hopefully landing successful landing

73
00:02:32,949 --> 00:02:31,680
there at ksc weather allowing on

74
00:02:34,869 --> 00:02:32,959
wednesday

75
00:02:37,509 --> 00:02:34,879
the iss is returning to normal ops with

76
00:02:40,550 --> 00:02:37,519
the undocking the expedition 23 crew of

77
00:02:43,270 --> 00:02:40,560
oleg kotov tj creamer and soichinoguchi

78
00:02:44,949 --> 00:02:43,280
are prepping for a turn on june 1st

79
00:02:47,509 --> 00:02:44,959
return prep does include a few extra

80
00:02:49,430 --> 00:02:47,519
things packing a little extra exercise

81
00:02:51,589 --> 00:02:49,440
for them a little extra prep time for

82
00:02:53,430 --> 00:02:51,599
them to get ready for the soyuz landing

83
00:02:55,830 --> 00:02:53,440
um in addition i understand there's an

84
00:02:57,830 --> 00:02:55,840
iss d boost of about .8 meters per

85
00:02:59,509 --> 00:02:57,840
second planned in a couple of days and

86
00:03:02,550 --> 00:02:59,519
that'll set up the landing targeting for

87
00:03:04,710 --> 00:03:02,560
the soyuz

88
00:03:07,110 --> 00:03:04,720

and finally also the oxygen generation

89
00:03:08,630 --> 00:03:07,120
assembly that shut down the other day

90
00:03:10,470 --> 00:03:08,640
they have not done any troubleshooting

91
00:03:11,910 --> 00:03:10,480
on that since then we'll pick up with

92
00:03:13,670 --> 00:03:11,920
some troubleshooting with that tomorrow

93
00:03:14,390 --> 00:03:13,680
and discussions here on the ground and

94
00:03:17,110 --> 00:03:14,400
then

95
00:03:19,509 --> 00:03:17,120
probably do some troubleshooting tuesday

96
00:03:21,509 --> 00:03:19,519
right now the early early indications

97
00:03:23,110 --> 00:03:21,519
are it's probably a pressure transducer

98
00:03:24,630 --> 00:03:23,120
but folks are going to look at that if

99
00:03:26,630 --> 00:03:24,640
that's what it is we do have that spare

100
00:03:29,190 --> 00:03:26,640
part on board and can do a replacement

101
00:03:31,270 --> 00:03:29,200
if necessary

102
00:03:34,390 --> 00:03:31,280
i think that's all i got if i'm ready to

103
00:03:36,869 --> 00:03:34,400
take questions okay we'll start here

104
00:03:38,390 --> 00:03:36,879
hi robert perlman with collectspace.com

105
00:03:40,229 --> 00:03:38,400
um

106
00:03:41,670 --> 00:03:40,239
with regards to oxygen and there was a

107
00:03:44,149 --> 00:03:41,680
problem yesterday with transferring

108
00:03:45,670 --> 00:03:44,159
oxygen from the shuttle to the station

109
00:03:48,149 --> 00:03:45,680
is that related and was that resolved

110
00:03:49,509 --> 00:03:48,159
before they undocked it i think that

111
00:03:50,949 --> 00:03:49,519
when the mission status briefing

112
00:03:53,509 --> 00:03:50,959
occurred yesterday there was about 20

113
00:03:56,309 --> 00:03:53,519

pounds of oxygen out of the 70 that they

114
00:03:57,830 --> 00:03:56,319
wanted to transfer over we did transfer

115
00:03:59,589 --> 00:03:57,840
all the oxygen that we had planned to

116
00:04:01,429 --> 00:03:59,599
transfer to space station some of it

117
00:04:03,509 --> 00:04:01,439
went directly into their iss high

118
00:04:05,270 --> 00:04:03,519
pressure oxygen tanks and some of it was

119
00:04:06,390 --> 00:04:05,280
transferred directly into the stack

120
00:04:08,470 --> 00:04:06,400
atmosphere

121
00:04:10,630 --> 00:04:08,480
about 40 pounds was pushed into the

122
00:04:12,229 --> 00:04:10,640
tanks and the balance of that 70 pounds

123
00:04:15,589 --> 00:04:12,239
so about 30 pounds was pushed into the

124
00:04:16,710 --> 00:04:15,599
atmosphere as part of a planned transfer

125
00:04:19,030 --> 00:04:16,720
as far as

126
00:04:21,270 --> 00:04:19,040
related to the oga problem that there

127
00:04:22,790 --> 00:04:21,280
were no issues with the oxygen transfer

128
00:04:24,710 --> 00:04:22,800
and there would not be any association

129
00:04:26,469 --> 00:04:24,720
between the two things

130
00:04:28,710 --> 00:04:26,479
the oxygen transfer into the station was

131
00:04:30,150 --> 00:04:28,720
all nominal and it takes a little bit of

132
00:04:32,070 --> 00:04:30,160
time you have to start and stop as the

133
00:04:33,749 --> 00:04:32,080
tanks the pressure within the tanks and

134
00:04:35,270 --> 00:04:33,759
the temperatures in the tanks recover

135
00:04:39,350 --> 00:04:35,280
during the transfer but it was all

136
00:04:43,749 --> 00:04:41,590
and a follow-up there was a call soon

137
00:04:45,189 --> 00:04:43,759
after um i guess after separate the

138
00:04:47,749 --> 00:04:45,199

separation burns

139
00:04:50,550 --> 00:04:47,759
that um there was a accidental deletion

140
00:04:52,790 --> 00:04:50,560
of 138 images uh did you ever find out

141
00:04:54,469 --> 00:04:52,800
what was on that card and um presumably

142
00:04:56,469 --> 00:04:54,479
you can recover it

143
00:04:59,510 --> 00:04:56,479
after it gets down to the ground

144
00:05:02,070 --> 00:04:59,520
uh yes during after sep uh

145
00:05:03,670 --> 00:05:02,080
we we did we were doing our regular oca

146
00:05:05,670 --> 00:05:03,680
transfers or downlinking of all the

147
00:05:07,189 --> 00:05:05,680
pictures from the shuttle that the folks

148
00:05:08,550 --> 00:05:07,199
on the shuttle had taken of the space

149
00:05:11,189 --> 00:05:08,560
station as we flew around at the

150
00:05:13,110 --> 00:05:11,199
external survey so when the crew puts

151
00:05:14,710 --> 00:05:13,120
the camera card into the laptop and the

152
00:05:16,550 --> 00:05:14,720
folks here on the ground go to downlink

153
00:05:18,310 --> 00:05:16,560
those pictures they have a procedure and

154
00:05:20,550 --> 00:05:18,320
process they go through and we downlink

155
00:05:22,150 --> 00:05:20,560
thousands of pictures every flight as it

156
00:05:23,909 --> 00:05:22,160
turned out in this case there was a

157
00:05:26,870 --> 00:05:23,919
mistake on the ground that occurred and

158
00:05:28,629 --> 00:05:26,880
we did accidentally delete 138 pictures

159
00:05:31,350 --> 00:05:28,639
those were pictures again of the iss

160
00:05:33,350 --> 00:05:31,360
external survey there were another 40 or

161
00:05:35,350 --> 00:05:33,360
so pictures on that particular card of

162
00:05:37,749 --> 00:05:35,360
the survey that were successfully

163
00:05:40,710 --> 00:05:37,759

downlinked and we have another couple of

164
00:05:41,830 --> 00:05:40,720
cards with 250 pictures each that we i

165
00:05:44,390 --> 00:05:41,840
don't know what's in them yet we haven't

166
00:05:46,150 --> 00:05:44,400
gotten uh uh ku ops to be able to look

167
00:05:48,390 --> 00:05:46,160
at those so we may have more pictures

168
00:05:50,550 --> 00:05:48,400
available to us of the external survey

169
00:05:52,469 --> 00:05:50,560
of the 138 that did get deleted we did

170
00:05:54,550 --> 00:05:52,479
ask the crew to take the camera card to

171
00:05:56,150 --> 00:05:54,560
bag it stole it bring it back to houston

172
00:05:58,469 --> 00:05:56,160
and hopefully we can recover those

173
00:06:00,309 --> 00:05:58,479
picture files from that card

174
00:06:05,110 --> 00:06:00,319
even though they were told to be deleted

175
00:06:08,309 --> 00:06:06,550
with that i will computer to our

176
00:06:10,550 --> 00:06:08,319
reporters on the line first bill harwood

177
00:06:13,029 --> 00:06:10,560
please

178
00:06:14,150 --> 00:06:13,039
uh yeah hi brian can you give us a

179
00:06:15,510 --> 00:06:14,160
little sense of what the weather is

180
00:06:17,430 --> 00:06:15,520
looking like i realize it's three days

181
00:06:18,830 --> 00:06:17,440
out but uh the forecast looked a little

182
00:06:21,510 --> 00:06:18,840
iffy to me

183
00:06:23,990 --> 00:06:21,520
thanks uh bill i have not looked closely

184
00:06:27,029 --> 00:06:24,000
at the weather it's florida uh there's

185
00:06:28,950 --> 00:06:27,039
no real strong driving thing going on

186
00:06:31,029 --> 00:06:28,960
from the brief chat i had with the

187
00:06:32,710 --> 00:06:31,039
meteorologists there's a low pressure

188
00:06:34,390 --> 00:06:32,720

that's hundreds of miles out into the

189
00:06:36,550 --> 00:06:34,400
atlantic and we don't think that's going

190
00:06:38,070 --> 00:06:36,560
to play too much but again we're four to

191
00:06:40,230 --> 00:06:38,080
five days out

192
00:06:42,390 --> 00:06:40,240
get my numbers right four days out so

193
00:06:43,909 --> 00:06:42,400
it's too early to call we'll know a lot

194
00:06:45,110 --> 00:06:43,919
better as we get closer what the models

195
00:06:47,189 --> 00:06:45,120
are going to say

196
00:06:48,629 --> 00:06:47,199
and again i had that was on friday when

197
00:06:52,550 --> 00:06:48,639
i spoke with him i haven't talked to him

198
00:06:55,589 --> 00:06:53,909
do you have another question bill and i

199
00:06:56,790 --> 00:06:55,599
could add for you bill our entry flight

200
00:06:58,550 --> 00:06:56,800
director will be here tomorrow and he'll

201
00:07:01,110 --> 00:06:58,560
tell you all about it

202
00:07:02,629 --> 00:07:01,120
yeah thanks that's awesome thank you

203
00:07:04,950 --> 00:07:02,639
actually the entry flight director will

204
00:07:07,029 --> 00:07:04,960
be here on tuesday for that briefing

205
00:07:10,629 --> 00:07:07,039
but um next on the line is tariq malik

206
00:07:15,830 --> 00:07:13,589
thank you todd malik with space.com and

207
00:07:17,990 --> 00:07:15,840
brian i'm just uh i know that the uh

208
00:07:19,830 --> 00:07:18,000
atlanta says tps has been uh cleared

209
00:07:21,830 --> 00:07:19,840
with respect to lodge and uh launch

210
00:07:23,029 --> 00:07:21,840
debris just curious if there's anything

211
00:07:26,950 --> 00:07:23,039
the crew will be looking for

212
00:07:29,749 --> 00:07:26,960
specifically tomorrow um and uh if

213
00:07:31,670 --> 00:07:29,759

the uh

214
00:07:33,749 --> 00:07:31,680
if you're expecting a full

215
00:07:36,070 --> 00:07:33,759
uh a full inspection as opposed to what

216
00:07:37,909 --> 00:07:36,080
you got uh just have to launch it thanks

217
00:07:39,990 --> 00:07:37,919
okay the thermal protection system we

218
00:07:41,270 --> 00:07:40,000
did look at all the data from the

219
00:07:42,710 --> 00:07:41,280
flight day two and flight day three

220
00:07:43,589 --> 00:07:42,720
downlinks and all of that looked really

221
00:07:45,510 --> 00:07:43,599
good

222
00:07:47,110 --> 00:07:45,520
some of the resolution wasn't quite as

223
00:07:48,469 --> 00:07:47,120
close as we would have liked and we're

224
00:07:49,990 --> 00:07:48,479
going to get that with tomorrow's

225
00:07:51,749 --> 00:07:50,000
procedures the late inspection

226
00:07:53,510 --> 00:07:51,759
procedures we will run tomorrow are all

227
00:07:55,350 --> 00:07:53,520
nominal exactly what we have done on all

228
00:07:56,710 --> 00:07:55,360
the previous flights so we'll have all

229
00:07:59,029 --> 00:07:56,720
the full

230
00:08:01,110 --> 00:07:59,039
resolution of all the data that we want

231
00:08:02,869 --> 00:08:01,120
and we'll build mmt will go and address

232
00:08:04,710 --> 00:08:02,879
that after the damage assessment team

233
00:08:07,350 --> 00:08:04,720
goes through the rigorous review process

234
00:08:09,189 --> 00:08:07,360
to look at each uh piece of that data

235
00:08:10,629 --> 00:08:09,199
and then once the mmt assesses it we'll

236
00:08:12,070 --> 00:08:10,639
be able to uh

237
00:08:13,350 --> 00:08:12,080
see how we're doing i fully expect

238
00:08:14,550 --> 00:08:13,360

things are going to look good and we're

239
00:08:19,270 --> 00:08:14,560
going to be ready for landing on

240
00:08:23,430 --> 00:08:20,550
did you have another question or is that

241
00:08:27,270 --> 00:08:25,029
that's all for me thank you

242
00:08:28,629 --> 00:08:27,280
and any follow-ups here

243
00:08:30,469 --> 00:08:28,639
seeing none we'll go ahead and send it

244
00:08:31,990 --> 00:08:30,479
back to mission control for an update of

245
00:08:34,310 --> 00:08:32,000
the activities in space the crew is

246
00:08:35,829 --> 00:08:34,320
scheduled to go to sleep at 3 50 pm

247
00:08:37,670 --> 00:08:35,839
central time and flight day highlights

248
00:08:39,190 --> 00:08:37,680
are scheduled to begin at 4 pm central

249
00:08:41,350 --> 00:08:39,200
time on the hour every hour while the

250
00:08:44,230 --> 00:08:41,360
crew sleeps and you can stay tuned