



1
00:01:37,930 --> 00:01:33,430
good Morgan and ever recorded is another

2
00:01:44,190 --> 00:01:37,940
classic oh yes it's one of my personal

3
00:02:00,190 --> 00:01:57,400
good morning good morning ma that you

4
00:02:09,430 --> 00:02:00,200
need talk isostatic to me I'm a star

5
00:02:19,830 --> 00:02:09,440
shuttle Obama another saying oh ma no

6
00:02:20,949 --> 00:02:19,840
they're a penny taken over me oh okay

7
00:04:24,010 --> 00:02:20,959
Renato

8
00:04:24,020 --> 00:04:41,600
and ever hello Brent and Brian

9
00:04:45,860 --> 00:04:44,690
endeavor four of the pilot team there

10
00:04:52,010 --> 00:04:45,870
can you see Australia at your front

11
00:04:54,680 --> 00:04:52,020
window yeah we sure can it's really nice

12
00:05:52,200 --> 00:04:54,690
view we just went by sharks back now

13
00:05:52,210 --> 00:06:00,659

and ever cedrus east

14

00:06:00,669 --> 00:06:08,640

okay

15

00:09:05,150 --> 00:06:11,080

and ever Houston for Brian we're back on

16

00:09:11,480 --> 00:09:06,950

you said we got a nice fella hell with

17

00:16:34,650 --> 00:09:11,490

the other copy that and I have a switch

18

00:16:38,650 --> 00:16:36,879

yes good morning everyone good morning

19

00:16:40,599 --> 00:16:38,660

everyone out there in Houston we are

20

00:16:42,249 --> 00:16:40,609

going to go live right now to the Space

21

00:16:45,960 --> 00:16:42,259

Shuttle Endeavor we're standing by is

22

00:16:48,849 --> 00:16:45,970

dr. Dan Barry who is a 42 year old

23

00:16:50,439 --> 00:16:48,859

astronaut on his very first mission and

24

00:16:52,359 --> 00:16:50,449

we'll talk about that in a little bit

25

00:16:54,579 --> 00:16:52,369

thank you for joining us this morning

26

00:16:55,329 --> 00:16:54,589

dr. Barry if you would answer these

27

00:16:57,189 --> 00:16:55,339

questions

28

00:16:59,379 --> 00:16:57,199

two spacewalks in this mission are

29

00:17:01,119 --> 00:16:59,389

dedicated to testing tools and

30

00:17:03,309 --> 00:17:01,129

construction techniques for the future

31

00:17:05,949 --> 00:17:03,319

space station and we're wondering how

32

00:17:07,439 --> 00:17:05,959

far along NASA is in its readiness to

33

00:17:13,899 --> 00:17:07,449

build the International Space Station

34

00:17:16,779 --> 00:17:13,909

over yeah we are doing two spacewalks as

35

00:17:20,379 --> 00:17:16,789

part of the build up toward the actual

36

00:17:23,559 --> 00:17:20,389

construction of station base locks are

37

00:17:26,199 --> 00:17:23,569

integral to being ready to go because we

38

00:17:27,579 --> 00:17:26,209

are both testing the equipment that it

39

00:17:29,919 --> 00:17:27,589

ultimately is going to be used to

40

00:17:31,299 --> 00:17:29,929

construct the station we're testing the

41

00:17:33,850 --> 00:17:31,309

materials that are going to go into the

42

00:17:36,399 --> 00:17:33,860

station and we're testing the techniques

43

00:17:38,919 --> 00:17:36,409

that we use that we will ultimately use

44

00:17:42,340 --> 00:17:38,929

to build that station and then finally

45

00:17:43,570 --> 00:17:42,350

we're training people to go out and do

46

00:17:47,139 --> 00:17:43,580

those techniques in the space

47

00:17:48,940 --> 00:17:47,149

environment all astronauts who become

48

00:17:51,310 --> 00:17:48,950

construction workers for the space

49

00:17:53,830 --> 00:17:51,320

station will have to spend hundreds of

50

00:17:55,539 --> 00:17:53,840

hours out in temperatures that are 75

51
00:17:57,700 --> 00:17:55,549
degrees below zero how are the

52
00:17:59,500 --> 00:17:57,710
spacesuits doing in terms of the gloves

53
00:18:03,970 --> 00:17:59,510
for keeping the hands warm and the boots

54
00:18:05,769 --> 00:18:03,980
for the feet well I can give you some

55
00:18:07,930 --> 00:18:05,779
first-hand experience on that I went

56
00:18:11,529 --> 00:18:07,940
outside yesterday for a little over six

57
00:18:14,440 --> 00:18:11,539
hours and in fact my thermal comfort was

58
00:18:16,120 --> 00:18:14,450
excellent I had heated gloves with me

59
00:18:19,149 --> 00:18:16,130
but it turned out that I didn't need to

60
00:18:20,409 --> 00:18:19,159
use them because I believe because of

61
00:18:23,080 --> 00:18:20,419
some of the improvements that we've made

62
00:18:25,539 --> 00:18:23,090
in the general cooling system in the

63
00:18:28,180 --> 00:18:25,549

suit so that I was actually very

64

00:18:31,659 --> 00:18:28,190

comfortable for the entire time outdoors

65

00:18:34,659 --> 00:18:31,669

yesterday as was my crew mate Leroy

66

00:18:36,639 --> 00:18:34,669

Chiao dr. berry if you'll stand by with

67

00:18:38,560 --> 00:18:36,649

us a moment longer we'll say so long for

68

00:18:40,210 --> 00:18:38,570

the moment to our audience here in

69

00:18:43,629 --> 00:18:40,220

Houston and we'll be back a little later

70

00:18:45,669 --> 00:18:43,639

in this morning news show after 6:30

71

00:18:47,120 --> 00:18:45,679

with some more from dr. dan berry so

72

00:18:51,380 --> 00:18:47,130

I'll pass it back

73

00:18:55,100 --> 00:18:51,390

in the studio okay dr. Barry let's

74

00:18:57,680 --> 00:18:55,110

continue do you still hear me yes a rich

75

00:18:59,780 --> 00:18:57,690

man clear okay fine you and your

76
00:19:01,400 --> 00:18:59,790
crewmates capture the Japanese science

77
00:19:03,830 --> 00:19:01,410
satellite during this mission and just

78
00:19:06,170 --> 00:19:03,840
recaptured the science satellite the

79
00:19:07,880 --> 00:19:06,180
oast that you released a few days ago it

80
00:19:09,650 --> 00:19:07,890
almost seems that there isn't anything

81
00:19:12,910 --> 00:19:09,660
that the space shuttle can't do it that

82
00:19:16,730 --> 00:19:12,920
maybe fly to the moon over

83
00:19:18,770 --> 00:19:16,740
it's a remarkable machine I have to say

84
00:19:22,190 --> 00:19:18,780
that now that I've had the opportunity

85
00:19:25,550 --> 00:19:22,200
to ride on board it is astonishing what

86
00:19:27,800 --> 00:19:25,560
this spaceship is capable of doing this

87
00:19:31,520 --> 00:19:27,810
particular mission is very full as you

88
00:19:33,500 --> 00:19:31,530

mentioned we've retrieved Japanese

89

00:19:35,600 --> 00:19:33,510

satellite deployed and retrieved another

90

00:19:41,890 --> 00:19:35,610

satellite so done a TVA already and we

91

00:19:47,360 --> 00:19:44,660

on a personal level you're a rook and

92

00:19:49,430 --> 00:19:47,370

he's had had a chance to do a spacewalk

93

00:19:58,700 --> 00:19:49,440

on your first missions on your first

94

00:20:13,670 --> 00:19:58,710

flight you having any fun yet over they

95

00:20:18,560 --> 00:20:13,680

said three two one zero view the earth

96

00:20:22,220 --> 00:20:18,570

particularly during a TVA the only way I

97

00:20:24,980 --> 00:20:22,230

can describe that is is as gemstone

98

00:20:29,240 --> 00:20:24,990

colors the the blue of the ocean goes

99

00:20:32,150 --> 00:20:29,250

from from turquoise to midnight blue the

100

00:20:34,850 --> 00:20:32,160

forests are emerald green the clouds are

101
00:20:38,300 --> 00:20:34,860
so white that it hurts your eyes to look

102
00:20:39,920 --> 00:20:38,310
at them it's really incredible it is I'm

103
00:20:41,900 --> 00:20:39,930
sure you're aware ten years ago this

104
00:20:43,760 --> 00:20:41,910
month that the shuttle Challenger was

105
00:20:46,760 --> 00:20:43,770
lost is there still an awareness in the

106
00:20:48,830 --> 00:20:46,770
astronaut office in terms of not only

107
00:20:55,160 --> 00:20:48,840
the loss of colleagues but also in terms

108
00:20:57,470 --> 00:20:55,170
of continuing the quest yes I would say

109
00:20:59,280 --> 00:20:57,480
there definitely is of course the

110
00:21:02,060 --> 00:20:59,290
Challenger accident occurred before

111
00:21:04,620 --> 00:21:02,070
I arrived so I didn't personally know

112
00:21:07,080 --> 00:21:04,630
any of the people on board however a

113
00:21:09,840 --> 00:21:07,090

number a lot most of the people in the

114

00:21:13,140 --> 00:21:09,850

office we're friends with with the folks

115

00:21:16,140 --> 00:21:13,150

on the challenger and felt that loss at

116

00:21:18,390 --> 00:21:16,150

a very personal level so you can be

117

00:21:20,580 --> 00:21:18,400

assured that their memory is very much

118

00:21:22,710 --> 00:21:20,590

alive within the astronaut office

119

00:21:25,380 --> 00:21:22,720

and the lessons learned from Challenger

120

00:21:31,830 --> 00:21:25,390

in terms of safety and the things we

121

00:21:33,450 --> 00:21:31,840

need to do to fly safely are still Dan

122

00:21:35,340 --> 00:21:33,460

I'm having trouble hearing you but I'm

123

00:21:39,750 --> 00:21:35,350

sort of reading lips are you still

124

00:21:42,180 --> 00:21:39,760

hearing me over yes I'm reading you loud

125

00:21:44,010 --> 00:21:42,190

and clear okay we'll go ahead with

126

00:21:45,270 --> 00:21:44,020

questions I can't hear you one of the

127

00:21:48,570 --> 00:21:45,280

questions that came up during the recent

128

00:21:50,040 --> 00:21:48,580

a government shutdown is since there

129

00:21:52,260 --> 00:21:50,050

seems to be so much difficulty resolving

130

00:21:55,800 --> 00:21:52,270

budgets in Washington how can an agency

131

00:21:57,060 --> 00:21:55,810

like NASA attract bright young minds the

132

00:21:59,130 --> 00:21:57,070

bright young minds it needs for the

133

00:22:00,720 --> 00:21:59,140

future but what do you think attracts

134

00:22:02,550 --> 00:22:00,730

you and others to the program despite

135

00:22:07,920 --> 00:22:02,560

the uncertainties of jobs and projects

136

00:22:09,330 --> 00:22:07,930

to work on over I would have to say one

137

00:22:11,820 --> 00:22:09,340

of the great things about working at

138

00:22:13,940 --> 00:22:11,830

NASA are the people that are there and

139

00:22:16,620 --> 00:22:13,950

the reasons that those people are there

140

00:22:18,780 --> 00:22:16,630

people that they work in the space

141

00:22:21,300 --> 00:22:18,790

program aren't there for the money and

142

00:22:23,850 --> 00:22:21,310

and they're not there for the

143

00:22:25,970 --> 00:22:23,860

recognition they're there because they

144

00:22:29,310 --> 00:22:25,980

are excited about the opportunity to

145

00:22:33,000 --> 00:22:29,320

explore new environments to push our

146

00:22:34,590 --> 00:22:33,010

frontier back to be out to where the

147

00:22:38,700 --> 00:22:34,600

future is going to lead that lead

148

00:22:43,080 --> 00:22:38,710

mankind I think that the big selling

149

00:22:46,320 --> 00:22:43,090

point of NASA is that it's exciting to

150

00:22:50,540 --> 00:22:46,330

fly in space it's exciting to think

151
00:22:53,100 --> 00:22:50,550
about where we're going as a society and

152
00:22:56,730 --> 00:22:53,110
that's what continues to attract the

153
00:22:58,560 --> 00:22:56,740
very best people to NASA next month

154
00:23:00,210 --> 00:22:58,570
former astronaut Bob Crippen is going to

155
00:23:02,130 --> 00:23:00,220
be awarded the rotary national space

156
00:23:04,080 --> 00:23:02,140
award at a huge banquet at downtown

157
00:23:06,300 --> 00:23:04,090
Houston although he's been out of the

158
00:23:08,520 --> 00:23:06,310
office for some time are there any bob

159
00:23:10,320 --> 00:23:08,530
crippen isms or bob crippen anecdotes

160
00:23:12,570 --> 00:23:10,330
that you can share with us that we can

161
00:23:12,989 --> 00:23:12,580
pass along to the banquet goes here

162
00:23:19,919 --> 00:23:12,999
over

163
00:23:22,939 --> 00:23:19,929

I think they got it I think the guy to

164

00:23:25,919 --> 00:23:22,949

ask that question to is John Young

165

00:23:28,199 --> 00:23:25,929

alright now you're according to your

166

00:23:29,249 --> 00:23:28,209

biography you are from Massachusetts and

167

00:23:30,959 --> 00:23:29,259

I was wondering if you had a chance to

168

00:23:32,759 --> 00:23:30,969

fly over the Northeast to look down on

169

00:23:36,929 --> 00:23:32,769

the snowpack and what does that look

170

00:23:38,369 --> 00:23:36,939

like well in fact our orbit doesn't

171

00:23:40,459 --> 00:23:38,379

quite take us that far north the

172

00:23:44,459 --> 00:23:40,469

farthest north bit we're going inside

173

00:23:47,279 --> 00:23:44,469

Kennedy's however during a night pass

174

00:23:50,699 --> 00:23:47,289

recently we were able to see the lights

175

00:23:52,049 --> 00:23:50,709

all the way from Miami to Boston a truly

176

00:23:55,619 --> 00:23:52,059

incredible sight we could actually

177

00:23:58,949 --> 00:23:55,629

identify the various coastal cities

178

00:24:01,739 --> 00:23:58,959

including the DC area New York and a bus

179

00:24:05,459 --> 00:24:01,749

from as far south as Miami it was truly

180

00:24:07,919 --> 00:24:05,469

a man take a second if you will please

181

00:24:09,029 --> 00:24:07,929

dr. Barry to describe tomorrow a

182

00:24:16,769 --> 00:24:09,039

spacewalk

183

00:24:26,669 --> 00:24:16,779

over tomorrow Scott are going to go out

184

00:24:28,459 --> 00:24:26,679

to continue to do a number of tasks that

185

00:24:31,739 --> 00:24:28,469

are required for space station assembly

186

00:24:33,869 --> 00:24:31,749

one of the big tasks for Winston is is

187

00:24:36,089 --> 00:24:33,879

really to determine what our thermal

188

00:24:38,039 --> 00:24:36,099

limits are legally and I in the first

189

00:24:39,659 --> 00:24:38,049

space lost were we're in a cold

190

00:24:41,309 --> 00:24:39,669

environment but tomorrow they're going

191

00:24:43,499 --> 00:24:41,319

to be in a very cold environment and

192

00:24:45,719 --> 00:24:43,509

we're gonna have Winston standing still

193

00:24:47,459 --> 00:24:45,729

so that his metabolic rate gets low

194

00:24:50,249 --> 00:24:47,469

really going to push the limits of the

195

00:24:52,229 --> 00:24:50,259

suits and see how well I can perform to

196

00:24:53,819 --> 00:24:52,239

keep Winston comfortable

197

00:24:56,789 --> 00:24:53,829

Leroy and Winston are also going to

198

00:24:59,519 --> 00:24:56,799

assemble some of the work platforms that

199

00:25:02,069 --> 00:24:59,529

are required for putting together Space

200

00:25:04,409 --> 00:25:02,079

Station as well as check out some of the

201
00:25:07,049 --> 00:25:04,419
umbilical lines and connections that are

202
00:25:08,909 --> 00:25:07,059
a key component in putting together the

203
00:25:11,459 --> 00:25:08,919
different modules that make up the

204
00:25:13,109 --> 00:25:11,469
entire station are you gonna have

205
00:25:15,209 --> 00:25:13,119
Winston configured so that he at least

206
00:25:16,709 --> 00:25:15,219
has his face looking down toward Earth

207
00:25:21,059 --> 00:25:16,719
so you have something to look at during

208
00:25:22,529 --> 00:25:21,069
his hibernation over I don't think

209
00:25:24,029 --> 00:25:22,539
Winston would have agreed to do it if he

210
00:25:26,040 --> 00:25:24,039
couldn't look down on the earth while he

211
00:25:28,200 --> 00:25:26,050
was standing still

212
00:25:30,240 --> 00:25:28,210
okay dr. berry I want to thank you very

213
00:25:32,220 --> 00:25:30,250

much for joining us this morning and

214

00:25:34,650 --> 00:25:32,230

continued good luck and success with his

215

00:25:39,240 --> 00:25:34,660

current mission Houston KTRK that

216

00:25:41,160 --> 00:25:39,250

concludes this event thank you very much

217

00:25:43,110 --> 00:25:41,170

I really appreciate the opportunity to

218

00:25:44,820 --> 00:25:43,120

say hi to everybody and to say thanks to