1
00:00:11,190 --> 00:00:08,710
welcome to the johnson space center for

2
00:00:13,430 --> 00:00:11,200
the sts-26 post flight crew press

3
00:00:17,269 --> 00:00:13,440
conference very pleased to introduce

4
00:00:19,349 --> 00:00:17,279
discovery crew led by captain rick calc

5
00:00:20,870 --> 00:00:19,359
thanks for coming here today we sure

6
00:00:22,470 --> 00:00:20,880
enjoyed that mission and we're very

7
00:00:24,150 --> 00:00:22,480
pleased to see from the smiles on

8
00:00:24,870 --> 00:00:24,160
people's faces when we got back here

9
00:00:26,630 --> 00:00:24,880
that

10
00:00:28,630 --> 00:00:26,640
just about everybody did i think it was

11
00:00:30,790 --> 00:00:28,640
a great shot in the arm

12
00:00:32,950 --> 00:00:30,800
for the agency and as best i can

13
00:00:34,150 --> 00:00:32,960

determine it was also a good one for the

14
00:00:35,990 --> 00:00:34,160
country

15
00:00:38,549 --> 00:00:36,000
we're sure pleased to be the most i

16
00:00:40,470 --> 00:00:38,559
guess the most visible part of that

17
00:00:42,869 --> 00:00:40,480
great team effort that involved tens of

18
00:00:44,389 --> 00:00:42,879
thousands of people and

19
00:00:47,590 --> 00:00:44,399
to start we'd like to acknowledge

20
00:00:50,069 --> 00:00:47,600
publicly how much we appreciated uh

21
00:00:52,549 --> 00:00:50,079
all the work that went into making this

22
00:00:54,869 --> 00:00:52,559
mission such a success and uh

23
00:00:56,630 --> 00:00:54,879
they're just

24
00:00:58,630 --> 00:00:56,640
many many many thousands of people out

25
00:01:00,950 --> 00:00:58,640
there that put their hearts into it and

26
00:01:02,549 --> 00:01:00,960
it's very gratifying to come back with

27
00:01:05,750 --> 00:01:02,559
being able to say that

28
00:01:08,149 --> 00:01:05,760
the mission was as successful as it was

29
00:01:13,830 --> 00:01:08,159
of course uh my crew here with me at the

30
00:01:17,429 --> 00:01:15,270
dave hillmers

31
00:01:20,070 --> 00:01:17,439
mike lounge

32
00:01:22,710 --> 00:01:20,080
and finkie nelson

33
00:01:24,149 --> 00:01:22,720
uh we'd like to get right into the uh to

34
00:01:25,830 --> 00:01:24,159
the movie

35
00:01:29,670 --> 00:01:25,840
so jeff we can turn down the house

36
00:01:34,069 --> 00:01:31,910
this is what it really was all about um

37
00:01:35,190 --> 00:01:34,079
here is the ending of a beautiful

38
00:01:37,190 --> 00:01:35,200

mission and

39
00:01:38,789 --> 00:01:37,200
bringing the united states back into the

40
00:01:41,109 --> 00:01:38,799
manned space flight program and we're

41
00:01:42,870 --> 00:01:41,119
very proud to represent the country

42
00:01:44,950 --> 00:01:42,880
and to

43
00:01:46,870 --> 00:01:44,960
to be part of the team here we are at

44
00:01:49,190 --> 00:01:46,880
suit up the morning before we launch we

45
00:01:50,870 --> 00:01:49,200
really didn't think we were going to go

46
00:01:53,270 --> 00:01:50,880
we knew that the winds were such that

47
00:01:54,550 --> 00:01:53,280
our pre-programmed profile

48
00:01:56,870 --> 00:01:54,560
might cause some problems with the

49
00:01:58,469 --> 00:01:56,880
structure but we said well we'll suit up

50
00:02:00,310 --> 00:01:58,479
anyhow and who knows maybe the winds

51
00:02:02,069 --> 00:02:00,320
will get better

52
00:02:04,469 --> 00:02:02,079
there were a large number of folks down

53
00:02:06,950 --> 00:02:04,479
there at the cape here are some of them

54
00:02:08,469 --> 00:02:06,960
we certainly appreciate it and i think

55
00:02:10,469 --> 00:02:08,479
we could almost palpably feel the

56
00:02:12,070 --> 00:02:10,479
support that we had

57
00:02:13,910 --> 00:02:12,080
took a great effort on the part of the

58
00:02:15,510 --> 00:02:13,920
mission management team to

59
00:02:17,589 --> 00:02:15,520
come to all the right decisions which

60
00:02:18,550 --> 00:02:17,599
allowed us to uh launch on this day and

61
00:02:21,910 --> 00:02:18,560
then

62
00:02:23,910 --> 00:02:21,920
some very excellent execution of the uh

63
00:02:24,710 --> 00:02:23,920

flow and the count by the launch control

64
00:02:27,030 --> 00:02:24,720
team

65
00:02:29,430 --> 00:02:27,040
to get us off on the day that we said we

66
00:02:31,350 --> 00:02:29,440
were going to and and not too long after

67
00:02:33,350 --> 00:02:31,360
the time we said we were going to go

68
00:02:36,070 --> 00:02:33,360
no matter how many times uh you ride

69
00:02:38,070 --> 00:02:36,080
this rocket you're always a bit taken

70
00:02:39,030 --> 00:02:38,080
back by the ignition of the solid rocket

71
00:02:41,030 --> 00:02:39,040
motors

72
00:02:43,830 --> 00:02:41,040
it's quite a ride

73
00:02:45,910 --> 00:02:43,840
as you can expect

74
00:02:47,430 --> 00:02:45,920
this is shown in half speed

75
00:02:48,949 --> 00:02:47,440
which makes it take a lot longer than

76
00:02:50,470 --> 00:02:48,959
what it really did but maybe that's kind

77
00:02:52,309 --> 00:02:50,480
of what was going through our minds as

78
00:02:54,150 --> 00:02:52,319
we rode through first stage it seemed

79
00:02:55,030 --> 00:02:54,160
like it took a lot longer than it ever

80
00:02:57,670 --> 00:02:55,040
did

81
00:02:59,670 --> 00:02:57,680
in training

82
00:03:01,910 --> 00:02:59,680
we understand there were a lot of very

83
00:03:03,430 --> 00:03:01,920
excited people on the ground when we got

84
00:03:04,550 --> 00:03:03,440
off the pad

85
00:03:06,470 --> 00:03:04,560
and then they

86
00:03:07,830 --> 00:03:06,480
re-emphasized their excitement once we

87
00:03:11,030 --> 00:03:07,840
got to the two-minute point and the

88
00:03:12,869 --> 00:03:11,040

solid rocket boosters uh separated

89
00:03:14,869 --> 00:03:12,879
obviously the first

90
00:03:16,710 --> 00:03:14,879
part of the flight the the ride on the

91
00:03:18,550 --> 00:03:16,720
solid rocket motors was a very critical

92
00:03:20,470 --> 00:03:18,560
one for this mission

93
00:03:22,390 --> 00:03:20,480
much of the redesign effort that had

94
00:03:24,790 --> 00:03:22,400
gone into the space shuttle program have

95
00:03:27,589 --> 00:03:24,800
been centered around those boosters

96
00:03:29,589 --> 00:03:27,599
and all indications are to date that

97
00:03:31,910 --> 00:03:29,599
those boosters performed exceptionally

98
00:03:34,070 --> 00:03:31,920
well we're interested in uh the

99
00:03:35,990 --> 00:03:34,080
follow-up teardown of the boosters to

100
00:03:39,190 --> 00:03:36,000
find out if indeed there are any other

101
00:03:41,509 --> 00:03:39,200
uh deficiencies that we need to look at

102
00:03:43,509 --> 00:03:41,519
here you see one of the 65 sunrises that

103
00:03:45,350 --> 00:03:43,519
we saw during the four-day mission

104
00:03:47,430 --> 00:03:45,360
here we have the payload bay doors open

105
00:03:49,030 --> 00:03:47,440
and that's the first thing we did once

106
00:03:51,589 --> 00:03:49,040
safely in orbit

107
00:03:55,350 --> 00:03:51,599
and got busy preparing the uh

108
00:03:57,750 --> 00:03:55,360
tdrs satellite for its deployment

109
00:03:59,030 --> 00:03:57,760
from the payload bay there's rick at the

110
00:04:01,110 --> 00:03:59,040
commander's

111
00:04:03,910 --> 00:04:01,120
seat reading a checklist talking to the

112
00:04:05,830 --> 00:04:03,920
ground there on the handheld microphone

113
00:04:07,270 --> 00:04:05,840

dick going through his checklist making

114
00:04:09,030 --> 00:04:07,280
sure the orbiter

115
00:04:11,350 --> 00:04:09,040
is

116
00:04:13,110 --> 00:04:11,360
go for deployment making sure everything

117
00:04:15,830 --> 00:04:13,120
is ready

118
00:04:17,349 --> 00:04:15,840
dave hilmer is back at the uh

119
00:04:19,349 --> 00:04:17,359
payload station

120
00:04:21,749 --> 00:04:19,359
checking the crt making sure all the

121
00:04:23,110 --> 00:04:21,759
parameters are okay and uh

122
00:04:26,070 --> 00:04:23,120
and controlling the switches that

123
00:04:30,390 --> 00:04:27,670
mechanisms that hold the payload in the

124
00:04:31,990 --> 00:04:30,400
payload bay it's tilted up here at about

125
00:04:33,990 --> 00:04:32,000
50 degrees

126
00:04:34,790 --> 00:04:34,000
uh prior to deployment from the payload

127
00:04:36,950 --> 00:04:34,800
bay

128
00:04:38,870 --> 00:04:36,960
the tdrs tracking and data rely

129
00:04:40,629 --> 00:04:38,880
satellite there the black

130
00:04:41,830 --> 00:04:40,639
shape with the booster rocket underneath

131
00:04:44,070 --> 00:04:41,840
it

132
00:04:46,310 --> 00:04:44,080
here i am at the panel

133
00:04:48,390 --> 00:04:46,320
on the aft flight deck that had all the

134
00:04:51,430 --> 00:04:48,400
switch controls for the tilt-up

135
00:04:54,390 --> 00:04:51,440
mechanism the ordnance arming functions

136
00:04:55,510 --> 00:04:54,400
and the actual switch that you throw to

137
00:04:57,830 --> 00:04:55,520
firo

138
00:04:59,430 --> 00:04:57,840

fire pyrotechnic

139
00:05:01,830 --> 00:04:59,440
devices that

140
00:05:04,390 --> 00:05:01,840
cause the payload to separate from its

141
00:05:06,950 --> 00:05:04,400
structure uh support structure

142
00:05:08,950 --> 00:05:06,960
when you do that when i did that push up

143
00:05:11,110 --> 00:05:08,960
push off springs

144
00:05:13,430 --> 00:05:11,120
activate and push that whole

145
00:05:15,749 --> 00:05:13,440
20-ton stack

146
00:05:18,550 --> 00:05:15,759
slowly out of the payload bay at about a

147
00:05:20,230 --> 00:05:18,560
half a foot per second

148
00:05:21,670 --> 00:05:20,240
the whole sequence worked as it was

149
00:05:24,070 --> 00:05:21,680
advertised

150
00:05:26,710 --> 00:05:24,080
had two solid rocket burns that got it

151
00:05:27,749 --> 00:05:26,720
to geosynchronous altitude which was its

152
00:05:29,990 --> 00:05:27,759
target

153
00:05:31,189 --> 00:05:30,000
within a very precise

154
00:05:33,350 --> 00:05:31,199
window

155
00:05:36,629 --> 00:05:33,360
here's pinky

156
00:05:38,469 --> 00:05:36,639
taking a documentation of the deploy

157
00:05:41,430 --> 00:05:38,479
and wreck performing the

158
00:05:44,629 --> 00:05:41,440
maneuver to back away from the satellite

159
00:05:46,150 --> 00:05:44,639
about one minute after deployment

160
00:05:47,909 --> 00:05:46,160
we've heard that the checkout of the

161
00:05:49,670 --> 00:05:47,919
satellite is going extremely well it's

162
00:05:51,270 --> 00:05:49,680
about one third of the way into the

163
00:05:53,350 --> 00:05:51,280

checkout right now

164
00:05:54,870 --> 00:05:53,360
in fact this afternoon it's a maneuver

165
00:05:58,469 --> 00:05:54,880
is going to be

166
00:06:00,790 --> 00:05:58,479
completed to stop the drift

167
00:06:03,029 --> 00:06:00,800
to the west and there will be checked

168
00:06:04,790 --> 00:06:03,039
out some more

169
00:06:07,990 --> 00:06:04,800
all the systems seem to be go right now

170
00:06:09,830 --> 00:06:08,000
including the ku band antenna

171
00:06:11,430 --> 00:06:09,840
a marvelously complex machine that

172
00:06:14,150 --> 00:06:11,440
requires coordination of a lot of

173
00:06:17,189 --> 00:06:14,160
different organizations to make it work

174
00:06:18,950 --> 00:06:17,199
from the booster through the

175
00:06:21,110 --> 00:06:18,960
the tdrs upper stage and the flight

176
00:06:23,270 --> 00:06:21,120
controllers

177
00:06:24,950 --> 00:06:23,280
with the satellite out we got busy on

178
00:06:26,790 --> 00:06:24,960
the number of mid deck experiments we

179
00:06:29,110 --> 00:06:26,800
had this is the protein crystal growth

180
00:06:31,670 --> 00:06:29,120
where uh we're growing

181
00:06:35,670 --> 00:06:31,680
crystals for biomedical samples uh

182
00:06:38,469 --> 00:06:35,680
research ranging ranging from aids to

183
00:06:41,670 --> 00:06:38,479
cancer research and a lot in between a

184
00:06:43,350 --> 00:06:41,680
pretty complex experiment

185
00:06:45,350 --> 00:06:43,360
another experiment we carried was a

186
00:06:48,710 --> 00:06:45,360
student experiment

187
00:06:50,950 --> 00:06:48,720
sponsored by mr bruce lloyd the idea

188
00:06:53,189 --> 00:06:50,960

here was to heat up some titanium wires

189
00:06:54,309 --> 00:06:53,199
that are encapsulated in these vacuum

190
00:06:55,670 --> 00:06:54,319
tubes

191
00:06:57,749 --> 00:06:55,680
beyond their

192
00:06:59,990 --> 00:06:57,759
phase transition point to see

193
00:07:02,390 --> 00:07:00,000
if on re-solidifying the crystal

194
00:07:04,710 --> 00:07:02,400
structure is different than might be

195
00:07:06,870 --> 00:07:04,720
obtained on earth the goal being to

196
00:07:09,029 --> 00:07:06,880
develop stronger and more pure

197
00:07:10,390 --> 00:07:09,039
samples of that titanium

198
00:07:12,070 --> 00:07:10,400
we carry two different student

199
00:07:14,150 --> 00:07:12,080
experiments on board this is the second

200
00:07:15,990 --> 00:07:14,160
one that grew some

201
00:07:18,950 --> 00:07:16,000
crystals of lead acetate crystals that

202
00:07:19,830 --> 00:07:18,960
grow to a fairly large size in a short

203
00:07:22,550 --> 00:07:19,840
time

204
00:07:23,990 --> 00:07:22,560
uh was activated by mixing uh two fluids

205
00:07:25,589 --> 00:07:24,000
together and then

206
00:07:27,749 --> 00:07:25,599
right before eyes we could watch these

207
00:07:29,350 --> 00:07:27,759
huge crystals grow

208
00:07:30,790 --> 00:07:29,360
they will be analyzed once they got back

209
00:07:32,790 --> 00:07:30,800
on the ground to see if there are any

210
00:07:34,710 --> 00:07:32,800
differences between those and earthbound

211
00:07:36,230 --> 00:07:34,720
ones here i'm setting up a phased

212
00:07:38,629 --> 00:07:36,240
partitioning experiment phase

213
00:07:40,790 --> 00:07:38,639

partitioning is a method for separating

214
00:07:42,629 --> 00:07:40,800
biomedical cells

215
00:07:44,390 --> 00:07:42,639
uh by using two different types of

216
00:07:45,430 --> 00:07:44,400
liquids we had a

217
00:07:47,990 --> 00:07:45,440
container

218
00:07:49,909 --> 00:07:48,000
with 18 chambers that we

219
00:07:52,469 --> 00:07:49,919
documented the demixing characteristics

220
00:07:54,150 --> 00:07:52,479
of the different types of

221
00:07:56,309 --> 00:07:54,160
liquids

222
00:07:58,070 --> 00:07:56,319
another engineering

223
00:07:59,670 --> 00:07:58,080
evaluation or test that we did was

224
00:08:01,510 --> 00:07:59,680
taking pictures of the earth's limb at

225
00:08:02,710 --> 00:08:01,520
sunrise and sunset

226
00:08:04,869 --> 00:08:02,720
to

227
00:08:06,790 --> 00:08:04,879
measure exactly what the brightness was

228
00:08:10,150 --> 00:08:06,800
so that sensors could be built for

229
00:08:15,510 --> 00:08:11,749
after the primary payload had been

230
00:08:17,589 --> 00:08:15,520
deployed and we spent much of our time

231
00:08:18,950 --> 00:08:17,599
uh accomplishing earth observation

232
00:08:20,790 --> 00:08:18,960
photography

233
00:08:23,029 --> 00:08:20,800
now during the course of our mission we

234
00:08:25,029 --> 00:08:23,039
took over eighteen hundred uh

235
00:08:28,869 --> 00:08:25,039
seventy millimeter photographs of the

236
00:08:31,110 --> 00:08:28,879
earth we also had about 4 000 feet of 16

237
00:08:32,949 --> 00:08:31,120
millimeter film that we took much of

238
00:08:37,110 --> 00:08:32,959

which was out the window as you see here

239
00:08:41,829 --> 00:08:39,110
this is always a very important part of

240
00:08:43,430 --> 00:08:41,839
our flights to the crew members because

241
00:08:45,990 --> 00:08:43,440
we not only get to look out the window

242
00:08:47,590 --> 00:08:46,000
but we get to document what we see

243
00:08:50,550 --> 00:08:47,600
it turns out that during the course of

244
00:08:52,829 --> 00:08:50,560
our flight it was an unusually

245
00:08:54,949 --> 00:08:52,839
clear period across the northern

246
00:08:56,230 --> 00:08:54,959
hemisphere according to those people

247
00:08:57,590 --> 00:08:56,240
that are used to looking at space

248
00:08:59,190 --> 00:08:57,600
photography

249
00:09:01,509 --> 00:08:59,200
and they're very excited about the

250
00:09:03,190 --> 00:09:01,519
photographs that we took

251
00:09:04,870 --> 00:09:03,200
and they've even said that there are

252
00:09:07,030 --> 00:09:04,880
things that we've taken pictures of that

253
00:09:08,470 --> 00:09:07,040
they haven't seen before or it's been a

254
00:09:10,150 --> 00:09:08,480
long time since they've had a good

255
00:09:12,550 --> 00:09:10,160
photograph of them

256
00:09:15,190 --> 00:09:12,560
this data that comes the data that comes

257
00:09:16,630 --> 00:09:15,200
from these photographs is used by a wide

258
00:09:18,389 --> 00:09:16,640
spectrum of people

259
00:09:19,990 --> 00:09:18,399
geologists

260
00:09:22,470 --> 00:09:20,000
oceanographers

261
00:09:23,990 --> 00:09:22,480
people who study agricultural trends

262
00:09:26,310 --> 00:09:24,000
such as uh

263
00:09:29,269 --> 00:09:26,320

the burning of the

264
00:09:30,230 --> 00:09:29,279
the uh equatorial jungles

265
00:09:33,990 --> 00:09:30,240
and

266
00:09:35,990 --> 00:09:34,000
try to ascertain changes in the

267
00:09:37,509 --> 00:09:36,000
atmosphere

268
00:09:39,829 --> 00:09:37,519
those people are quite excited about

269
00:09:41,350 --> 00:09:39,839
what we've what we've seen on these

270
00:09:43,910 --> 00:09:41,360
photographs as they have been on

271
00:09:46,230 --> 00:09:43,920
previous space flights this was a an

272
00:09:47,750 --> 00:09:46,240
exceptionally good pass over the

273
00:09:50,710 --> 00:09:47,760
hawaiian islands

274
00:09:51,910 --> 00:09:50,720
we had many opportunities to photograph

275
00:09:53,590 --> 00:09:51,920
hawaii

276
00:09:55,829 --> 00:09:53,600
primarily because

277
00:09:57,590 --> 00:09:55,839
of the lighting and and the time of day

278
00:09:59,190 --> 00:09:57,600
that we launched

279
00:10:02,470 --> 00:09:59,200
we probably saw more of it than we did

280
00:10:04,870 --> 00:10:02,480
of the other parts of the united states

281
00:10:06,870 --> 00:10:04,880
the equipment that we use is primarily

282
00:10:09,030 --> 00:10:06,880
for earth observations is a hasselblad

283
00:10:10,150 --> 00:10:09,040
70 millimeter camera which you saw mike

284
00:10:14,310 --> 00:10:10,160
there with

285
00:10:16,870 --> 00:10:14,320
50 100 and 250 millimeter lenses

286
00:10:18,949 --> 00:10:16,880
uh volcanology is one of the areas that

287
00:10:21,190 --> 00:10:18,959
we're always interested in

288
00:10:23,509 --> 00:10:21,200

photographing from space this is a pass

289
00:10:25,590 --> 00:10:23,519
over to canary islands off of the west

290
00:10:27,430 --> 00:10:25,600
coast of africa

291
00:10:30,710 --> 00:10:27,440
they happen to be very clear many of the

292
00:10:32,550 --> 00:10:30,720
days that we passed over them

293
00:10:33,590 --> 00:10:32,560
we also had several different attitudes

294
00:10:36,230 --> 00:10:33,600
that we

295
00:10:38,310 --> 00:10:36,240
had the orbiter in which let us get uh

296
00:10:40,310 --> 00:10:38,320
this particular one of those attitudes

297
00:10:43,110 --> 00:10:40,320
let's get this pass over the himalayan

298
00:10:45,350 --> 00:10:43,120
mountains looking up into china

299
00:10:46,790 --> 00:10:45,360
uh this was when the orbiter's nose was

300
00:10:49,030 --> 00:10:46,800
pointed to the south

301
00:10:51,030 --> 00:10:49,040
here's a shot of meal time meals are

302
00:10:53,430 --> 00:10:51,040
always enjoyable

303
00:10:56,550 --> 00:10:53,440
as a social event we play with our food

304
00:10:58,870 --> 00:10:56,560
a little bit like we're supposed to

305
00:11:01,190 --> 00:10:58,880
and just get a chance to discuss what's

306
00:11:02,389 --> 00:11:01,200
going on that day and what's planned for

307
00:11:04,470 --> 00:11:02,399
the next day

308
00:11:06,710 --> 00:11:04,480
here's a target practice with an m m

309
00:11:08,790 --> 00:11:06,720
that's out there in the middle and uh

310
00:11:10,710 --> 00:11:08,800
i think it's a bullseye

311
00:11:13,590 --> 00:11:10,720
it must have been a fluke because uh the

312
00:11:15,670 --> 00:11:13,600
next shot misses by three inches

313
00:11:17,430 --> 00:11:15,680

we do carry up with us some photographs

314
00:11:20,069 --> 00:11:17,440
of our families you see them on the

315
00:11:22,470 --> 00:11:20,079
lockers to the left we also

316
00:11:24,630 --> 00:11:22,480
during a period during one day take some

317
00:11:27,030 --> 00:11:24,640
pictures next to some stickers from our

318
00:11:28,790 --> 00:11:27,040
alma mater and so on but you can see we

319
00:11:30,949 --> 00:11:28,800
keep a pretty clean cabin in the back

320
00:11:32,870 --> 00:11:30,959
you can see the sleep stations that mike

321
00:11:35,750 --> 00:11:32,880
and i use

322
00:11:37,350 --> 00:11:35,760
had our own fish bowl here

323
00:11:40,310 --> 00:11:37,360
we've eaten most of the fish by this

324
00:11:45,269 --> 00:11:41,670
sometimes you've got to unwind the

325
00:11:49,430 --> 00:11:47,190
this was entry day you see us wearing

326
00:11:51,350 --> 00:11:49,440
the gray

327
00:11:53,670 --> 00:11:51,360
underwear that goes under the orange

328
00:11:55,590 --> 00:11:53,680
suits

329
00:11:58,230 --> 00:11:55,600
we were inspired i was inspired to try a

330
00:12:00,790 --> 00:11:58,240
little pommel horse routine uh

331
00:12:02,310 --> 00:12:00,800
using the treadmill there

332
00:12:03,509 --> 00:12:02,320
i didn't find this so hard at all i

333
00:12:05,030 --> 00:12:03,519
don't know why

334
00:12:06,710 --> 00:12:05,040
why it's actually i'm not pretty either

335
00:12:10,069 --> 00:12:06,720
mike

336
00:12:13,030 --> 00:12:10,079
however the judges did vote and gave

337
00:12:17,269 --> 00:12:15,190
the zero g olympics we did want to

338
00:12:20,389 --> 00:12:17,279

communicate uh particularly to the youth

339
00:12:23,269 --> 00:12:20,399
uh of the country that we we really the

340
00:12:25,590 --> 00:12:23,279
space is a fun place and even though we

341
00:12:27,430 --> 00:12:25,600
went through a terrible tragedy several

342
00:12:29,990 --> 00:12:27,440
years ago we still want to communicate

343
00:12:31,910 --> 00:12:30,000
that there are some things up there that

344
00:12:34,629 --> 00:12:31,920
are unique we want to

345
00:12:36,230 --> 00:12:34,639
to really inspire the youngsters to take

346
00:12:37,509 --> 00:12:36,240
an interest

347
00:12:38,790 --> 00:12:37,519
prior to entry you've got to get the

348
00:12:41,110 --> 00:12:38,800
suits

349
00:12:43,269 --> 00:12:41,120
back on again and the seats set up and

350
00:12:44,870 --> 00:12:43,279
and strapped in after the

351
00:12:48,870 --> 00:12:44,880
luxury of being in a shirt sleeve

352
00:12:52,949 --> 00:12:51,269
kind of hard for us to

353
00:12:54,870 --> 00:12:52,959
get back crawl back into these things it

354
00:12:56,629 --> 00:12:54,880
hurts just to watch it and

355
00:12:58,069 --> 00:12:56,639
but these are the the suits that we wore

356
00:12:59,590 --> 00:12:58,079
them both during the launch and during

357
00:13:01,670 --> 00:12:59,600
the entry turns out to be not much

358
00:13:02,470 --> 00:13:01,680
different getting into them on the

359
00:13:04,829 --> 00:13:02,480
ground

360
00:13:07,509 --> 00:13:04,839
you can see the pole strapped to the

361
00:13:09,110 --> 00:13:07,519
ceiling well this is a sunset taken out

362
00:13:11,110 --> 00:13:09,120
the window before we close the payload

363
00:13:13,509 --> 00:13:11,120

bay doors just to transition into the

364
00:13:14,710 --> 00:13:13,519
deorbit and landing phase it's always

365
00:13:16,310 --> 00:13:14,720
beautiful

366
00:13:18,310 --> 00:13:16,320
as we fade from

367
00:13:25,590 --> 00:13:18,320
bright sunlight to darkness

368
00:13:30,150 --> 00:13:27,190
we cross the

369
00:13:32,550 --> 00:13:30,160
western coast between la and santa

370
00:13:35,910 --> 00:13:32,560
barbara it's a beautiful day at edwards

371
00:13:38,069 --> 00:13:35,920
and as we have done many times before

372
00:13:40,949 --> 00:13:38,079
came in overhead the edwards lake bed

373
00:13:42,069 --> 00:13:40,959
and made our 300 mile an hour descent to

374
00:14:11,829 --> 00:13:42,079
a

375
00:14:14,150 --> 00:14:11,839
but

376
00:14:15,509 --> 00:14:14,160
at touchdown we'll stop we could look

377
00:14:17,590 --> 00:14:15,519
back on a

378
00:14:19,750 --> 00:14:17,600
flight that was as far as i'm concerned

379
00:14:21,910 --> 00:14:19,760
picture perfect and could not have been

380
00:14:27,590 --> 00:14:21,920
better for the country and getting us