



1
00:00:10,490 --> 00:00:04,789
alright Atlantis we are ready for the

2
00:00:13,879 --> 00:00:10,500
event how about you ladies ready to do

3
00:00:16,010 --> 00:00:13,889
that okay ABC News this is Mission

4
00:00:23,420 --> 00:00:16,020
Control Houston please call Atlantis for

5
00:00:23,430 --> 00:00:29,260
Atlantis this is ABC News do you hear me

6
00:00:29,270 --> 00:00:34,869
Atlantis as you loud and clear

7
00:00:43,729 --> 00:00:43,100
that's terrific are you uh and - away we

8
00:00:47,329 --> 00:00:43,739
go

9
00:00:50,810 --> 00:00:47,339
Atlantis I want to ask really all four

10
00:00:54,470 --> 00:00:50,820
of you your feelings on this being the

11
00:01:01,789 --> 00:00:54,480
final flight of the thirty year shuttle

12
00:01:03,109 --> 00:01:01,799
history first let me say it's an

13
00:01:06,410 --> 00:01:03,119

absolute honor to be a part of this

14

00:01:09,530 --> 00:01:06,420

final true this is this is a tough

15

00:01:11,539 --> 00:01:09,540

decision for there are a number of the

16

00:01:14,060 --> 00:01:11,549

extraordinary qualified people to do it

17

00:01:16,969 --> 00:01:14,070

and we took on the task of portraitist a

18

00:01:18,649 --> 00:01:16,979

crew of four and I'd like to think that

19

00:01:20,359 --> 00:01:18,659

we went up there did a bang-up job with

20

00:01:25,670 --> 00:01:20,369

the limited number of resources that we

21

00:01:27,950 --> 00:01:25,680

had and of course as as we approach

22

00:01:30,050 --> 00:01:27,960

landing here we're going through a

23

00:01:32,600 --> 00:01:30,060

series of laughs yesterday for example

24

00:01:34,070 --> 00:01:32,610

the shuttles robotic arm that we used

25

00:01:36,740 --> 00:01:34,080

for 30 years to deploy and retrieve

26

00:01:39,890 --> 00:01:36,750

satellites and we had some fantastic

27

00:01:41,240 --> 00:01:39,900

statistics right up to us the last time

28

00:01:44,090 --> 00:01:41,250

we put it away it's hard to believe

29

00:01:45,290 --> 00:01:44,100

we'll ever use it again but I'm gonna

30

00:01:46,399 --> 00:01:45,300

pass the mic around a little bit I'm

31

00:01:54,500 --> 00:01:46,409

sure somebody else has something I'd

32

00:01:57,410 --> 00:01:54,510

like to share send it it's been the next

33

00:01:59,240 --> 00:01:57,420

age 20 flow because as a commander said

34

00:02:04,640 --> 00:01:59,250

it there are a lot of number of laughs

35

00:02:06,350 --> 00:02:04,650

and they got small the last exam on a

36

00:02:09,139 --> 00:02:06,360

certain system anything that bigger and

37

00:02:11,240 --> 00:02:09,149

bigger until we saw the last war out of

38

00:02:12,470 --> 00:02:11,250

the space shuttle to the pad and it

39

00:02:14,300 --> 00:02:12,480
started getting real every once in

40

00:02:16,640 --> 00:02:14,310
allowed tank it's just the second

41

00:02:17,479 --> 00:02:16,650
chapter in the mission we've gone

42

00:02:20,030 --> 00:02:17,489
through a number different milestones

43

00:02:22,070 --> 00:02:20,040
and as you get the bigger ones and big

44

00:02:23,690 --> 00:02:22,080
ones behind you then you kind of have a

45

00:02:25,670 --> 00:02:23,700
chance to pause a little bit master a

46

00:02:27,050 --> 00:02:25,680
little more as the as the pressure is

47

00:02:28,460 --> 00:02:27,060
off and you can think now you know this

48

00:02:30,020 --> 00:02:28,470
is a long time we're doing that and for

49

00:02:31,610 --> 00:02:30,030
me it kind of gets me one

50

00:02:34,340 --> 00:02:31,620
down the mid sex sometimes at the end of

51
00:02:36,500 --> 00:02:34,350
the day while we eat and you finally

52
00:02:38,030 --> 00:02:36,510
have a chance for a couple minutes - to

53
00:02:39,980 --> 00:02:38,040
get back to eat and think and second I

54
00:02:42,380 --> 00:02:39,990
think of the crews that have sat down

55
00:02:44,240 --> 00:02:42,390
here and shared a meal and and think

56
00:02:46,040 --> 00:02:44,250
about wow this is the last time and then

57
00:02:47,660 --> 00:02:46,050
I'll think about the future of Atlantis

58
00:02:49,760 --> 00:02:47,670
which we're not going to just retire I'm

59
00:02:51,020 --> 00:02:49,770
going to share with others in they can

60
00:02:52,790 --> 00:02:51,030
be spaced out or other people be able to

61
00:02:57,050 --> 00:02:52,800
can't get so we can see what a beautiful

62
00:02:59,690 --> 00:02:57,060
vehicle it is I'd like to ask you

63
00:03:12,620 --> 00:02:59,700

mission specialists sandy Magnus do you

64

00:03:14,300 --> 00:03:12,630

expect to go into space again just like

65

00:03:16,009 --> 00:03:14,310

all my last mission I treated this

66

00:03:17,960 --> 00:03:16,019

mission as if it was going to be my last

67

00:03:20,540 --> 00:03:17,970

mission and tried to savor every moment

68

00:03:22,820 --> 00:03:20,550

I was on the space station in every

69

00:03:25,490 --> 00:03:22,830

moment working on Atlantis and get those

70

00:03:27,440 --> 00:03:25,500

last glances out the window and our

71

00:03:32,479 --> 00:03:27,450

beautiful earth and try and print those

72

00:03:34,880 --> 00:03:32,489

on my memory as well the pilot Doug

73

00:03:38,539 --> 00:03:34,890

Hurley I realized she's a very delicate

74

00:03:40,640 --> 00:03:38,549

craft she is incredibly intricate to a

75

00:03:48,400 --> 00:03:40,650

degree that many of us can't comprehend

76

00:03:54,979 --> 00:03:51,380

it's just it's a dream come true

77

00:03:58,729 --> 00:03:54,989

actually it flies much better than our

78

00:04:01,970 --> 00:03:58,739

simulators show that you supply and it's

79

00:04:04,069 --> 00:04:01,980

just an absolute pleasure to get to fly

80

00:04:06,770 --> 00:04:04,079

there yesterday for me to get to do the

81

00:04:09,080 --> 00:04:06,780

fly around and then you know some of the

82

00:04:10,520 --> 00:04:09,090

rendezvous burns that we did and we're

83

00:04:13,039 --> 00:04:10,530

really looking forward to playing our

84

00:04:17,270 --> 00:04:13,049

home tomorrow but it's been just just a

85

00:04:19,610 --> 00:04:17,280

dream to get to do this Doug what's it

86

00:04:27,580 --> 00:04:19,620

going to be like to land the Space

87

00:04:34,610 --> 00:04:31,250

hey pass that off to me cuz you know the

88

00:04:36,080 --> 00:04:34,620

pilot is the pilot the web cedar lands

89

00:04:37,580 --> 00:04:36,090

and that dog would do an absolute

90

00:04:39,950 --> 00:04:37,590

fantastic job at answering that

91

00:04:41,810 --> 00:04:39,960

collection but I've had one opportunity

92

00:04:45,440 --> 00:04:41,820

to land before it was extraordinarily

93

00:04:47,180 --> 00:04:45,450

exciting you know but probably the one

94

00:04:49,910 --> 00:04:47,190

word I could say is it works just like

95

00:04:52,250 --> 00:04:49,920

this simulator we have we have an in

96

00:04:54,790 --> 00:04:52,260

flight simulator that that we use and

97

00:04:58,310 --> 00:04:54,800

practice with and I'm absolutely

98

00:04:59,810 --> 00:04:58,320

astounded at how closely the Space

99

00:05:02,210 --> 00:04:59,820

Shuttle replicates the game flight

100

00:05:03,950 --> 00:05:02,220

simulator so we're gonna have I believe

101
00:05:06,470 --> 00:05:03,960
a pre guard landing tomorrow if we land

102
00:05:11,330 --> 00:05:06,480
on time day or night we're ready to come

103
00:05:13,610 --> 00:05:11,340
home anytime Chris Ferguson commander of

104
00:05:16,250 --> 00:05:13,620
the final mission of the 30-year Space

105
00:05:18,710 --> 00:05:16,260
Shuttle history I want to ask you what

106
00:05:24,950 --> 00:05:18,720
do you see as the future of the American

107
00:05:26,510 --> 00:05:24,960
space program well we were we were

108
00:05:31,340 --> 00:05:26,520
discussing this just the other day you

109
00:05:33,590 --> 00:05:31,350
know it may seem like like sort of an

110
00:05:35,120 --> 00:05:33,600
ending and I suppose to a degree it is

111
00:05:36,860 --> 00:05:35,130
you know the space shuttles been with us

112
00:05:38,390 --> 00:05:36,870
it's been the hard involves this all the

113
00:05:40,460 --> 00:05:38,400

beginning space flight program for about

114

00:05:41,420 --> 00:05:40,470

30 years and you know the little sad to

115

00:05:43,490 --> 00:05:41,430

see it go away

116

00:05:45,350 --> 00:05:43,500

but you know we have to understand these

117

00:05:47,720 --> 00:05:45,360

systems to operate maintain your

118

00:05:49,640 --> 00:05:47,730

extraordinary copley and in order to go

119

00:05:51,140 --> 00:05:49,650

beyond because of course the shuttle can

120

00:05:52,610 --> 00:05:51,150

only stay in low-earth orbit in order to

121

00:05:54,500 --> 00:05:52,620

go beyond low-earth orbit again we're

122

00:05:56,240 --> 00:05:54,510

gonna have to pause and we're gonna have

123

00:05:58,250 --> 00:05:56,250

to stand down and we're gonna have to

124

00:06:00,770 --> 00:05:58,260

channel some of those resources that we

125

00:06:02,990 --> 00:06:00,780

use to fund and operate the Space

126

00:06:05,500 --> 00:06:03,000

Shuttle so we can build another vehicle

127

00:06:08,510 --> 00:06:05,510

and we're gonna go beyond again someday

128

00:06:10,250 --> 00:06:08,520

hopefully it's not too far distant

129

00:06:12,620 --> 00:06:10,260

future and we'll turn over this low

130

00:06:14,750 --> 00:06:12,630

Earth orbit businesses they stay see

131

00:06:16,820 --> 00:06:14,760

servicing business to uh to commercial

132

00:06:18,260 --> 00:06:16,830

companies but hopefully in the not too

133

00:06:20,930 --> 00:06:18,270

distant future you're gonna see a heavy

134

00:06:23,150 --> 00:06:20,940

lift vehicle manufactured and by our

135

00:06:25,040 --> 00:06:23,160

commercial partners designed by NASA in

136

00:06:27,050 --> 00:06:25,050

partnership and we're gonna go back to

137

00:06:28,910 --> 00:06:27,060

the moon back to Mars so the future is

138

00:06:30,140 --> 00:06:28,920

very bright but at the moment it's a

139

00:06:33,260 --> 00:06:30,150

little far because we are saying goodbye

140

00:06:37,770 --> 00:06:35,550

well Colonel rex walheim mission

141

00:06:39,930 --> 00:06:37,780

specialists sandy Magnus mission

142

00:06:42,060 --> 00:06:39,940

specialist Colonel Douglas her leave the

143

00:06:43,860 --> 00:06:42,070

Marines the pilot and to you Christopher

144

00:06:46,560 --> 00:06:43,870

Ferguson captain of the Navy and mission

145

00:06:48,570 --> 00:06:46,570

commander I know that we here at Good

146

00:06:50,880 --> 00:06:48,580

Morning America join with all of us

147

00:07:07,429 --> 00:06:50,890

watching at home in wishing you and

148

00:07:13,800 --> 00:07:11,550

Atlantis ISS this is Houston ACR that

149

00:07:16,890 --> 00:07:13,810

concludes the ABC News portion of the

150

00:07:31,369 --> 00:07:16,900

event please stand by for a voice check

151
00:07:36,739 --> 00:07:34,109
Atlanta this is CBS news how do you hear

152
00:07:44,670 --> 00:07:41,969
we have your line cleared CBS fantastic

153
00:07:47,730 --> 00:07:44,680
fantastic we should be ready to go in

154
00:07:58,079 --> 00:07:47,740
just one second what's that okay three

155
00:07:59,850 --> 00:07:58,089
two hands first the shuttle Atlantis

156
00:08:01,889 --> 00:07:59,860
left the International Space Station for

157
00:08:04,379 --> 00:08:01,899
the last time Tuesday and is now heading

158
00:08:05,939 --> 00:08:04,389
home as the 30 year long US shuttle

159
00:08:07,950 --> 00:08:05,949
program comes to a bittersweet end

160
00:08:09,749 --> 00:08:07,960
Atlantis is scheduled to land in Florida

161
00:08:11,700 --> 00:08:09,759
tomorrow morning just before 6:00

162
00:08:13,139 --> 00:08:11,710
Eastern Time and joining us from space

163
00:08:15,389 --> 00:08:13,149

this morning is the crew of Atlantis

164

00:08:17,189 --> 00:08:15,399

commander Chris Ferguson pilot Doug

165

00:08:19,439 --> 00:08:17,199

Hurley and mission specialists sandy

166

00:08:21,600 --> 00:08:19,449

Magnus and Rex Walheim good morning to

167

00:08:26,149 --> 00:08:21,610

all of you this is a real treat for all

168

00:08:30,299 --> 00:08:28,920

good morning view that CBS just always a

169

00:08:32,399 --> 00:08:30,309

treat for us to be able to care just a

170

00:08:36,269 --> 00:08:32,409

little piece of the the excitement of

171

00:08:37,800 --> 00:08:36,279

spaceflight with you commander Ferguson

172

00:08:40,649 --> 00:08:37,810

let me ask you this first question this

173

00:08:42,629 --> 00:08:40,659

is a historic final journey home how is

174

00:08:44,250 --> 00:08:42,639

this mission been how bittersweet is it

175

00:08:50,460 --> 00:08:44,260

to know that you're coming home on the

176
00:08:55,769 --> 00:08:50,470
shuttle for the very final time we have

177
00:08:57,750 --> 00:08:55,779
had just and you know what I kind of

178
00:09:00,030 --> 00:08:57,760
told everybody all along was that we

179
00:09:01,620 --> 00:09:00,040
were not going to fully appreciate the

180
00:09:02,819 --> 00:09:01,630
significance of the event in - laughs to

181
00:09:05,040 --> 00:09:02,829
the wheel that stopped and just

182
00:09:07,650 --> 00:09:05,050
yesterday in the mid-deck I was talking

183
00:09:09,750 --> 00:09:07,660
to Sandi about about the fact that yeah

184
00:09:11,309 --> 00:09:09,760
you know what I really do feel like it's

185
00:09:14,490 --> 00:09:11,319
coming near the end and I can almost

186
00:09:16,559 --> 00:09:14,500
sense that final wheel stop Paul and

187
00:09:18,059 --> 00:09:16,569
it's it's gonna be tough it's gonna be

188
00:09:19,410 --> 00:09:18,069

an emotional moment for a lot of people

189

00:09:21,360 --> 00:09:19,420

who have dedicated their lives to the

190

00:09:22,740 --> 00:09:21,370

shuttle program for 30 years so we're

191

00:09:24,240 --> 00:09:22,750

gonna try to keep it upbeat we're gonna

192

00:09:26,280 --> 00:09:24,250

try to keep it light we're gonna try to

193

00:09:27,930 --> 00:09:26,290

make it a celebration of what of the

194

00:09:29,430 --> 00:09:27,940

tremendous crowning achievements that

195

00:09:31,740 --> 00:09:29,440

have occurred over the last 30 years

196

00:09:34,330 --> 00:09:31,750

with the tremendous satellites have been

197

00:09:35,590 --> 00:09:34,340

deployed from the shuttle and all

198

00:09:39,220 --> 00:09:35,600

course to get construction of the

199

00:09:43,470 --> 00:09:39,230

International Space Station it was a

200

00:09:47,470 --> 00:09:45,850

well no mission is successful until

201
00:09:49,420 --> 00:09:47,480
you're finally on the ground I would

202
00:09:52,120 --> 00:09:49,430
have to say that up to this point it's

203
00:09:54,700 --> 00:09:52,130
been highly successful sandy Rex dug

204
00:09:56,980 --> 00:09:54,710
every one of them you know we all put

205
00:09:58,630 --> 00:09:56,990
forth 110 percent we got about twenty

206
00:10:00,519 --> 00:09:58,640
thousand pounds of cargo transferred

207
00:10:03,519 --> 00:10:00,529
into and back out of the space station

208
00:10:05,230 --> 00:10:03,529
again we have am all set there they're

209
00:10:07,120 --> 00:10:05,240
in a good posture to wait for about a

210
00:10:09,610 --> 00:10:07,130
year until our commercial partners come

211
00:10:13,530 --> 00:10:09,620
on board and begin begin the resupply

212
00:10:15,640 --> 00:10:13,540
mission that the shuttle is formerly at

213
00:10:17,650 --> 00:10:15,650

exactly the future of the space program

214

00:10:19,000 --> 00:10:17,660

right now I know everyone knows that the

215

00:10:21,100 --> 00:10:19,010

shuttle program is coming to an end

216

00:10:24,250 --> 00:10:21,110

after 30 years there is no vehicle that

217

00:10:25,810 --> 00:10:24,260

is ready to go right now where is the

218

00:10:54,850 --> 00:10:25,820

future of the space program for the

219

00:10:57,280 --> 00:10:54,860

United States at this point it's the

220

00:10:58,510 --> 00:10:57,290

kind of a two pronged efforts and while

221

00:11:00,550 --> 00:10:58,520

we get to this transition thought it'll

222

00:11:02,079 --> 00:11:00,560

be hard but we'll get there and we'll be

223

00:11:06,340 --> 00:11:02,089

going the farther and farther and then

224

00:11:07,660 --> 00:11:06,350

going new places real soon how's it been

225

00:11:09,250 --> 00:11:07,670

to just have four of you there I know

226

00:11:10,720 --> 00:11:09,260

normally the missions usually have more

227

00:11:12,460 --> 00:11:10,730

astronauts on board but it's just been

228

00:11:13,960 --> 00:11:12,470

four of you have you had a chance to

229

00:11:19,690 --> 00:11:13,970

really bond up there during this

230

00:11:22,600 --> 00:11:19,700

historic final journey I think

231

00:11:25,780 --> 00:11:22,610

definitely yeah you know we we've had to

232

00:11:27,579 --> 00:11:25,790

just work so closely together and be so

233

00:11:29,620 --> 00:11:27,589

well coordinated because you know your

234

00:11:31,930 --> 00:11:29,630

typical shuttle mission there's six or

235

00:11:33,490 --> 00:11:31,940

seven folks so they tend to be working

236

00:11:34,990 --> 00:11:33,500

more with another person and there's

237

00:11:37,120 --> 00:11:35,000

been a lot of times where we just have

238

00:11:39,070 --> 00:11:37,130

to depend on the other person to cover a

239

00:11:42,100 --> 00:11:39,080

separate task

240

00:11:44,920 --> 00:11:42,110

and you know I personally didn't I don't

241

00:11:47,860 --> 00:11:44,930

think I'd fully appreciated Oh much more

242

00:11:51,639 --> 00:11:47,870

work we would have to do with only four

243

00:11:53,860 --> 00:11:51,649

by six or seven so it's been a little

244

00:11:56,470 --> 00:11:53,870

bit of an eye-opener because we really

245

00:12:00,519 --> 00:11:56,480

have been just wrecking it

246

00:12:02,079 --> 00:12:00,529

working very hard every day sandy if I

247

00:12:03,670 --> 00:12:02,089

could just pose this last question to

248

00:12:05,440 --> 00:12:03,680

you what's your message to all those

249

00:12:06,490 --> 00:12:05,450

people the thousands of people over the

250

00:12:09,850 --> 00:12:06,500

years that have been such an

251

00:13:12,280 --> 00:12:09,860

instrumental part of the show say

252

00:13:14,079 --> 00:13:12,290

goodbye before we say goodbye sandy just

253

00:13:16,150 --> 00:13:14,089

one final question to you has anyone

254

00:13:18,040 --> 00:13:16,160

been giving you a hard time the crew may

255

00:13:19,870 --> 00:13:18,050

be through emails or any messages from

256

00:13:26,470 --> 00:13:19,880

Mission Control about your space here

257

00:13:28,210 --> 00:13:26,480

was gyro gravity is under your hair like

258

00:13:30,010 --> 00:13:28,220

this I like to leave it out because of

259

00:13:31,720 --> 00:13:30,020

those stretch that we are indeed in jail

260

00:13:35,019 --> 00:13:31,730

gravity I mean these guys have kind of

261

00:13:37,060 --> 00:13:35,029

boring hair so it's not so fun they do

262

00:13:41,590 --> 00:13:37,070

give me trouble occasionally about the

263

00:13:42,939 --> 00:13:41,600

medusa-like effect of it it's an

264

00:13:44,680 --> 00:13:42,949

interesting look that's for sure hey we

265

00:13:46,540 --> 00:13:44,690

wish you all the very very best and we

266

00:13:48,010 --> 00:13:46,550

thank you so much for taking the time in

267

00:13:49,300 --> 00:13:48,020

talking with us it has been a treat for

268

00:13:51,250 --> 00:13:49,310

all of us here and we're so proud of you

269

00:13:51,940 --> 00:13:51,260

and we wish you safe return to Planet

270

00:14:00,610 --> 00:13:51,950

Earth

271

00:14:05,690 --> 00:14:03,470

Atlantis this is Houston ACR that

272

00:14:08,060 --> 00:14:05,700

concludes the CBS News portion of the

273

00:14:21,320 --> 00:14:08,070

event please stand by for a voice check

274

00:14:23,390 --> 00:14:21,330

from CNN 30 years ago the first space

275

00:14:25,490 --> 00:14:23,400

shuttle launch into space this year the

276

00:14:27,620 --> 00:14:25,500

shuttle era ends let's take a look at

277

00:14:29,570 --> 00:14:27,630

the world's first reusable space vehicle

278

00:14:31,460 --> 00:14:29,580

the space shuttle system has got three

279

00:14:34,100 --> 00:14:31,470

main parts the orbiter that one there

280

00:14:37,640 --> 00:14:34,110

holds the crew and payload the huge

281

00:14:39,950 --> 00:14:37,650

orange external tank holds fuel and the

282

00:14:41,810 --> 00:14:39,960

two solid rocket boosters those things

283

00:14:43,970 --> 00:14:41,820

on the side provide most of the shuttles

284

00:14:45,590 --> 00:14:43,980

lift off lift during the first two

285

00:14:47,900 --> 00:14:45,600

minutes of flight now all the components

286

00:14:49,910 --> 00:14:47,910

are usable they're reusable except a big

287

00:14:50,600 --> 00:14:49,920

orange tank it burns up in the

288

00:14:53,420 --> 00:14:50,610

atmosphere

289

00:14:55,130 --> 00:14:53,430

after each launch now fully loaded the

290

00:14:57,920 --> 00:14:55,140

shuttle system weighs about four and a

291

00:14:59,510 --> 00:14:57,930

half million pounds for those of you who

292

00:15:01,550 --> 00:14:59,520

are counting that's about 300 elephants

293

00:15:03,680 --> 00:15:01,560

Columbia challenger discovery Atlantis

294

00:15:05,480 --> 00:15:03,690

and endeavour have taken one hundred and

295

00:15:07,940 --> 00:15:05,490

thirty flights in total into the final

296

00:15:09,740 --> 00:15:07,950

frontier they carried more than 350

297

00:15:12,050 --> 00:15:09,750

people in space the shuttle have

298

00:15:13,940 --> 00:15:12,060

traveled more than half a billion miles

299

00:15:16,650 --> 00:15:13,950

more than enough to get to the planet

300

00:15:23,530 --> 00:15:20,769

one zero and liftoff the final liftoff

301
00:15:27,300 --> 00:15:23,540
of Atlantis shoulders of the Space

302
00:15:29,980 --> 00:15:27,310
Shuttle America will continue the dream

303
00:15:32,230 --> 00:15:29,990
that was a stirring moment on July 8th

304
00:15:34,420 --> 00:15:32,240
at the Kennedy Space Center the final

305
00:15:36,910 --> 00:15:34,430
shuttle mission that took off that day

306
00:15:38,949 --> 00:15:36,920
is wrapping up now it began on July 8

307
00:15:40,329 --> 00:15:38,959
with that incredible launch of the space

308
00:15:42,579 --> 00:15:40,339
shuttle Atlantis there you see it

309
00:15:43,840 --> 00:15:42,589
heading toward the clouds just about to

310
00:15:44,980 --> 00:15:43,850
go through the cloudy day there were

311
00:15:47,829 --> 00:15:44,990
some questions as to whether it was

312
00:15:50,050 --> 00:15:47,839
going to take off but it did an historic

313
00:15:52,240 --> 00:15:50,060

takeoff that was watched by over a

314

00:15:54,070 --> 00:15:52,250

million people in personnel never mind

315

00:15:55,930 --> 00:15:54,080

those watching it on TV commander Chris

316

00:15:58,120 --> 00:15:55,940

Ferguson pilot Doug Hurley mission

317

00:16:00,670 --> 00:15:58,130

specialists Rex Walheim and Sandy Magnus

318

00:16:02,800 --> 00:16:00,680

have begun or they've been in space ever

319

00:16:04,930 --> 00:16:02,810

since that day they're still there there

320

00:16:07,360 --> 00:16:04,940

they are right now the shuttle is flying

321

00:16:09,790 --> 00:16:07,370

above the Atlantic Ocean those

322

00:16:11,470 --> 00:16:09,800

astronauts join us live from space where

323

00:16:14,740 --> 00:16:11,480

they're prepping for tomorrow morning's

324

00:16:16,990 --> 00:16:14,750

landing 24 hours from now thanks to all

325

00:16:18,820 --> 00:16:17,000

of you so much for joining us this is

326

00:16:20,980 --> 00:16:18,830

the last time the shuttle astronauts

327

00:16:22,990 --> 00:16:20,990

will ever be interviewed live on CNN

328

00:16:26,110 --> 00:16:23,000

let's start with Chris Ferguson the

329

00:16:27,819 --> 00:16:26,120

commander Chris this is the last space

330

00:16:30,400 --> 00:16:27,829

shuttle mission when you think of all

331

00:16:32,889 --> 00:16:30,410

that's been done in space and all that

332

00:16:34,960 --> 00:16:32,899

is being planned from here on it almost

333

00:16:41,860 --> 00:16:34,970

feels like you are going to be a veteran

334

00:16:44,139 --> 00:16:41,870

of the Golden Age of space travel and

335

00:16:46,240 --> 00:16:44,149

well first off side LOL you'd say it's

336

00:16:47,650 --> 00:16:46,250

great to speak with you here and welcome

337

00:16:50,050 --> 00:16:47,660

aboard the flight deck of the space

338

00:16:52,810 --> 00:16:50,060

shuttle atlantis on her final day in

339

00:16:54,370 --> 00:16:52,820

space you know I don't I wouldn't say

340

00:16:56,650 --> 00:16:54,380

this is the end of the Golden Age it's

341

00:16:59,470 --> 00:16:56,660

certainly the end of perhaps a very

342

00:17:00,880 --> 00:16:59,480

specific age where just a select few key

343

00:17:02,800 --> 00:17:00,890

go into space I think that what we're

344

00:17:04,780 --> 00:17:02,810

going to see in the next few years is a

345

00:17:06,010 --> 00:17:04,790

very broadening horizon an opportunity

346

00:17:07,299 --> 00:17:06,020

for people who have never had an

347

00:17:09,540 --> 00:17:07,309

opportunity to go into space

348

00:17:11,559 --> 00:17:09,550

to at least get to low-earth orbit and

349

00:17:13,150 --> 00:17:11,569

what we'll do is we'll turn over the

350

00:17:15,939 --> 00:17:13,160

reins of that business to our commercial

351
00:17:17,290 --> 00:17:15,949
partners and that will enable NASA to

352
00:17:18,640 --> 00:17:17,300
take the resources we put into the

353
00:17:19,750 --> 00:17:18,650
shuttle and hopefully go beyond

354
00:17:24,429 --> 00:17:19,760
low-earth orbit again in the

355
00:17:28,150 --> 00:17:24,439
not-too-distant future sandy Magnus

356
00:17:29,830 --> 00:17:28,160
mission specialists you enjoy amongst

357
00:17:31,659 --> 00:17:29,840
other things that you do in space

358
00:17:32,860 --> 00:17:31,669
cooking you've been known to cook up

359
00:17:34,510 --> 00:17:32,870
some special treats I know you made

360
00:17:36,250 --> 00:17:34,520
Christmas cookies once and you you made

361
00:17:38,019 --> 00:17:36,260
salsa for the Super Bowl

362
00:17:42,970 --> 00:17:38,029
you got anything planned for the final

363
00:17:44,860 --> 00:17:42,980

meal up in space I don't have anything

364

00:17:46,120 --> 00:17:44,870

planned but I may end up surprising the

365

00:17:47,950 --> 00:17:46,130

guys you know the problem with the

366

00:17:49,390 --> 00:17:47,960

shuttle missions are they're so busy and

367

00:17:52,149 --> 00:17:49,400

this one has been incredibly busy I

368

00:17:54,159 --> 00:17:52,159

haven't had time to do much face cooking

369

00:17:56,200 --> 00:17:54,169

but I did give some tips to the space

370

00:18:01,419 --> 00:17:56,210

station guys so bad sometime they could

371

00:18:02,950 --> 00:18:01,429

try a few of my recipes Chris Ferguson

372

00:18:05,320 --> 00:18:02,960

we're gonna be watching you very closely

373

00:18:06,970 --> 00:18:05,330

one of the cities I spend my time in and

374

00:18:09,519 --> 00:18:06,980

living in Philadelphia you're a local

375

00:18:11,500 --> 00:18:09,529

from that area what do you got to say to

376
00:18:12,610 --> 00:18:11,510
the folks down on earth who are going to

377
00:18:17,740 --> 00:18:12,620
be watching you bring that thing in

378
00:18:19,960 --> 00:18:17,750
beautifully tomorrow morning well you

379
00:18:21,880 --> 00:18:19,970
know I guess what I said to the folks

380
00:18:23,470 --> 00:18:21,890
when they left Mission Control one of

381
00:18:27,100 --> 00:18:23,480
our orbit ships we spoke to them for the

382
00:18:28,779 --> 00:18:27,110
last time from orbit yesterday and I

383
00:18:30,370 --> 00:18:28,789
said I said to them as they walked out

384
00:18:32,500 --> 00:18:30,380
of the room to look up and make a memory

385
00:18:34,120 --> 00:18:32,510
and I'll say that to everybody who has

386
00:18:36,010 --> 00:18:34,130
an opportunity to subtract see the

387
00:18:38,230 --> 00:18:36,020
landing real time or see the see the

388
00:18:39,549 --> 00:18:38,240

shuttle on the runway is take a good

389

00:18:40,659 --> 00:18:39,559

look at it and make a memory because

390

00:18:44,820 --> 00:18:40,669

you're never going to see anything like

391

00:18:48,519 --> 00:18:47,350

Rex how you feeling about this you guys

392

00:18:49,840 --> 00:18:48,529

are going to land I mean normally

393

00:18:51,820 --> 00:18:49,850

there's a sort of a camaraderie there's

394

00:18:53,860 --> 00:18:51,830

a club of people who who have taken

395

00:18:55,810 --> 00:18:53,870

who've flown on the Space Shuttle that

396

00:19:01,269 --> 00:18:55,820

sort of Club closes tomorrow what's your

397

00:19:03,519 --> 00:19:01,279

feeling about this final landing I think

398

00:19:05,500 --> 00:19:03,529

it is a sort in that nature but I think

399

00:19:07,570 --> 00:19:05,510

it's going to open up in a new era of

400

00:19:09,010 --> 00:19:07,580

spaceflight because right now there have

401
00:19:10,389 --> 00:19:09,020
been a tremendous amount of people who

402
00:19:12,190 --> 00:19:10,399
flow in the space myself the vast

403
00:19:14,769 --> 00:19:12,200
majority of it of ever flown in space

404
00:19:16,659 --> 00:19:14,779
the Lord take that next step get access

405
00:19:18,549 --> 00:19:16,669
to Earth orbit low Earth orbit cheaper

406
00:19:19,840 --> 00:19:18,559
and more frequent and we could do that

407
00:19:22,690 --> 00:19:19,850
by partnering with our commercial

408
00:19:24,610 --> 00:19:22,700
partners and then that can allow NASA to

409
00:19:26,080 --> 00:19:24,620
really focus on the exploration going

410
00:19:28,360 --> 00:19:26,090
beyond low-earth orbit going to the

411
00:19:30,450 --> 00:19:28,370
harder destinations asteroids amine or

412
00:19:31,890 --> 00:19:30,460
Mars and I think it's going to be a

413
00:19:34,110 --> 00:19:31,900

extremely enjoy

414

00:19:35,400 --> 00:19:34,120

the exciting time from a success we have

415

00:19:37,230 --> 00:19:35,410

to get through this transition tread

416

00:19:39,000 --> 00:19:37,240

shoes are always hard but we'll get

417

00:19:41,780 --> 00:19:39,010

through them all what are you having a

418

00:19:44,340 --> 00:19:41,790

half better tomorrow

419

00:19:45,930 --> 00:19:44,350

the whole world's gonna be watching when

420

00:19:48,180 --> 00:19:45,940

you all land tomorrow as you approach

421

00:19:49,590 --> 00:19:48,190

for the final time the landing of the

422

00:19:52,290 --> 00:19:49,600

space shuttle Atlantis good luck to all

423

00:19:54,030 --> 00:19:52,300

of you Godspeed and have a safe next 24

424

00:19:56,370 --> 00:19:54,040

hours rex walheim mission specialists

425

00:19:59,250 --> 00:19:56,380

sandy Magnus mission specialist Chris

426

00:20:01,320 --> 00:19:59,260

Ferguson the the commander and Doug

427

00:20:02,820 --> 00:20:01,330

Hurley the pilot thanks to all of you

428

00:20:05,130 --> 00:20:02,830

and we look forward to watching the

429

00:20:07,140 --> 00:20:05,140

score CNN will cover it live tomorrow

430

00:20:14,840 --> 00:20:07,150

morning coming up on American morning at

431

00:20:19,410 --> 00:20:17,370

Atlantis this is Houston ACR that

432

00:20:21,870 --> 00:20:19,420

concludes the CNN portion of the event

433

00:20:31,230 --> 00:20:21,880

please stand by for a voice check from

434

00:20:38,220 --> 00:20:31,240

Fox News Atlantis this is Fox News how

435

00:20:42,450 --> 00:20:38,230

do you hear me hey welcome aboard any

436

00:20:45,150 --> 00:20:42,460

one clear terrific my name is Bill

437

00:20:46,770 --> 00:20:45,160

Hemmer and it is an honor to spend the

438

00:20:50,640 --> 00:20:46,780

next couple of minutes with you I was

439

00:20:54,000 --> 00:20:50,650

there for the liftoff of sts-134 it was

440

00:20:56,670 --> 00:20:54,010

the shortest mission visible on earth

441

00:20:59,010 --> 00:20:56,680

before the shuttle disappeared into the

442

00:21:02,520 --> 00:20:59,020

clouds after about a total of 12 seconds

443

00:21:04,290 --> 00:21:02,530

but 135 was a beautiful liftoff and

444

00:21:07,230 --> 00:21:04,300

congratulations to you as you wind down

445

00:21:09,870 --> 00:21:07,240

this mission okay here we go guys here

446

00:21:12,990 --> 00:21:09,880

are my questions to you I've got four

447

00:21:14,190 --> 00:21:13,000

specific questions I'm going to go and a

448

00:21:15,990 --> 00:21:14,200

bit of a different order I'm going to

449

00:21:18,810 --> 00:21:16,000

start with the pilot Doug Hurley on this

450

00:21:21,360 --> 00:21:18,820

here we go three two and one astronaut

451
00:21:25,440 --> 00:21:21,370
Mike Fossum tweeted from space only a

452
00:21:27,420 --> 00:21:25,450
few hours ago a beautiful picture and he

453
00:21:29,160 --> 00:21:27,430
said this on his tweet when will such a

454
00:21:31,980 --> 00:21:29,170
beautiful ship dock again to the

455
00:21:33,900 --> 00:21:31,990
International Space Station and I think

456
00:21:36,390 --> 00:21:33,910
that's what you and so many people down

457
00:21:38,670 --> 00:21:36,400
here in America are wondering and I to

458
00:21:41,910 --> 00:21:38,680
pilot Hurley you were driving at a time

459
00:21:43,899 --> 00:21:41,920
what was that separation like knowing it

460
00:21:50,979 --> 00:21:43,909
was the last time

461
00:21:53,259 --> 00:21:50,989
I was just unbelievably breathtaking as

462
00:21:56,229 --> 00:21:53,269
we backed away from that I had such

463
00:21:58,779 --> 00:21:56,239

esterday you know they plan it such that

464

00:22:02,289 --> 00:21:58,789

we get we get out to about 600 feet as

465

00:22:04,599 --> 00:22:02,299

the Sun rises behind us so it lights up

466

00:22:06,279 --> 00:22:04,609

the arrays first and then lights up the

467

00:22:09,969 --> 00:22:06,289

rest of the vacation it was just

468

00:22:11,949 --> 00:22:09,979

beautiful and we really enjoyed you know

469

00:22:13,329 --> 00:22:11,959

one last lap around the International

470

00:22:17,829 --> 00:22:13,339

Space Station before we started heading

471

00:22:20,319 --> 00:22:17,839

home well it is such a structure that

472

00:22:22,779 --> 00:22:20,329

has been built over the past decade and

473

00:22:25,329 --> 00:22:22,789

really remarkable accomplishment for

474

00:22:26,979 --> 00:22:25,339

NASA and really the Friends of NASA from

475

00:22:29,619 --> 00:22:26,989

all over the world the shuttle commander

476

00:22:31,569 --> 00:22:29,629

Chris Ferguson Gene Cernan is a man you

477

00:22:34,930 --> 00:22:31,579

know he was the last one to walk on the

478

00:22:36,579 --> 00:22:34,940

moon 39 years ago he wrote a piece

479

00:22:38,979 --> 00:22:36,589

that's out this morning he said if we

480

00:22:42,129 --> 00:22:38,989

don't watch where we are going we will

481

00:22:44,739 --> 00:22:42,139

end up where we are headed now what do

482

00:22:47,349 --> 00:22:44,749

you think about the United States

483

00:22:50,139 --> 00:22:47,359

relying on the Russians for at least

484

00:23:07,899 --> 00:22:50,149

five years to get back in space with man

485

00:23:11,729 --> 00:23:07,909

Space Flight the space station which is

486

00:23:16,930 --> 00:23:14,709

now should we be dependent upon them I

487

00:23:18,759 --> 00:23:16,940

don't think it's necessarily a case of

488

00:23:21,159 --> 00:23:18,769

utter them I really think that we need a

489

00:23:23,619 --> 00:23:21,169

redundant way we different ways to get

490

00:23:26,259 --> 00:23:23,629

people to low-earth orbit and you know

491

00:23:28,719 --> 00:23:26,269

it's it's there's a certainly a gap here

492

00:23:30,729 --> 00:23:28,729

and I have no particular issue with

493

00:23:32,559 --> 00:23:30,739

relying on partners because that's what

494

00:23:34,539 --> 00:23:32,569

partners are for to help you through

495

00:23:37,329 --> 00:23:34,549

perhaps the time where you need to go

496

00:23:39,279 --> 00:23:37,339

back and regroup so you know it's it's a

497

00:23:41,109 --> 00:23:39,289

short hiatus but I'm very confident our

498

00:23:42,969 --> 00:23:41,119

commercial partners we've seen that

499

00:23:45,159 --> 00:23:42,979

SpaceX already launched an orbital

500

00:23:46,989 --> 00:23:45,169

vehicle and recover it safely in the

501
00:23:48,430 --> 00:23:46,999
Pacific Ocean and there are other

502
00:23:54,579 --> 00:23:48,440
commercial partners that are not too far

503
00:23:55,989 --> 00:23:54,589
behind so with just a single string to

504
00:23:58,209 --> 00:23:55,999
orbit if you would in other words just

505
00:24:00,189 --> 00:23:58,219
one way to do it but we'll recover from

506
00:24:01,749 --> 00:24:00,199
this and would use the resources that

507
00:24:06,939 --> 00:24:01,759
were devoted to the shuttle program to

508
00:24:09,609 --> 00:24:06,949
do it you think about that gap 25 years

509
00:24:12,189 --> 00:24:09,619
ago Ronald Reagan invited the friends

510
00:24:15,399 --> 00:24:12,199
and allies of the United States to join

511
00:24:17,769 --> 00:24:15,409
the u.s. in its space program and the

512
00:24:19,419 --> 00:24:17,779
result was that beautiful structure you

513
00:24:23,829 --> 00:24:19,429

left behind the international space

514

00:24:25,899 --> 00:24:23,839

station to specialist agnya sandy Magnus

515

00:24:29,799 --> 00:24:25,909

then on this question what does

516

00:24:39,339 --> 00:24:29,809

President Obama need to do to help lead

517

00:24:41,289 --> 00:24:39,349

NASA to that next stage you know a

518

00:24:44,229 --> 00:24:41,299

flight is a very complicated business

519

00:24:45,639 --> 00:24:44,239

and it takes plans that last longer than

520

00:24:48,339 --> 00:24:45,649

two or three or four years we a

521

00:24:50,229 --> 00:24:48,349

decades-long plan and we need to stay

522

00:24:53,259 --> 00:24:50,239

focused on that plan and we need to

523

00:24:56,049 --> 00:24:53,269

execute that plan it's not it's not

524

00:24:57,430 --> 00:24:56,059

something they're doing operations in

525

00:24:59,709 --> 00:24:57,440

space and developing vehicles that

526
00:25:01,599 --> 00:24:59,719
operate in space requires that sort of

527
00:25:03,099 --> 00:25:01,609
long-term thinking long-term planning

528
00:25:06,419 --> 00:25:03,109
and long term commitment so that's

529
00:25:09,579 --> 00:25:06,429
certainly a good place to start

530
00:25:11,529 --> 00:25:09,589
yeah I hope you're right specialist Rex

531
00:25:14,169 --> 00:25:11,539
Walheim gets the toughest question today

532
00:25:15,999 --> 00:25:14,179
what was the best wake up song Elton

533
00:25:23,469 --> 00:25:16,009
John Paul McCartney or Michael Stipe

534
00:25:26,739 --> 00:25:23,479
from REM obviously just amazing it and

535
00:25:29,109 --> 00:25:26,749
it's a it was quite a treat to sit there

536
00:25:31,059 --> 00:25:29,119
and in the dark of the space of mid-deck

537
00:25:32,829 --> 00:25:31,069
took some listen to bits I found and

538
00:25:34,419 --> 00:25:32,839

then even more important in the song was

539

00:25:37,449 --> 00:25:34,429

the first hint readings that those

540

00:25:38,769 --> 00:25:37,459

fantastic artists took time out to say

541

00:25:39,769 --> 00:25:38,779

good morning to us it just meant the

542

00:25:44,419 --> 00:25:39,779

world to us

543

00:25:46,279 --> 00:25:44,429

they are wonderful I better do thank you

544

00:25:48,529 --> 00:25:46,289

for your time come on home safely okay

545

00:26:00,680 --> 00:25:48,539

god bless you all and God bless america

546

00:26:03,799 --> 00:26:00,690

thanks today Atlantis this is Houston

547

00:26:05,989 --> 00:26:03,809

ACR that concludes the Fox News portion

548

00:26:15,109 --> 00:26:05,999

of the event please stand by for a voice

549

00:26:20,349 --> 00:26:15,119

check from NBC News analysis NBC News

550

00:26:24,589 --> 00:26:23,239

hello NBC we have you loud and clear on

551

00:26:27,859 --> 00:26:24,599

the flight deck of the space shuttle

552

00:26:29,810 --> 00:26:27,869

Atlantis well it's nice to see all of

553

00:26:31,310 --> 00:26:29,820

you last time we talked we were in

554

00:26:34,609 --> 00:26:31,320

Houston and you guys were preparing for

555

00:26:36,859 --> 00:26:34,619

this mission this is Tom Costello Glenn

556

00:26:39,200 --> 00:26:36,869

first let me ask you for a seat on that

557

00:26:40,549 --> 00:26:39,210

day back in Houston you said to me that

558

00:26:42,859 --> 00:26:40,559

when you pull away from the space

559

00:26:44,450 --> 00:26:42,869

station that's when this is really going

560

00:26:48,229 --> 00:26:44,460

to hit you it's really going to resonate

561

00:26:49,639 --> 00:26:48,239

your thoughts on having totally now from

562

00:26:51,619 --> 00:26:49,649

the space station for the last time

563

00:26:54,799 --> 00:26:51,629

you're on the last day of the last

564

00:26:56,810 --> 00:26:54,809

mission for the shuttle we possum what

565

00:27:02,509 --> 00:26:56,820

all this means for for you and for

566

00:27:03,829 --> 00:27:02,519

America you know Tom it's funny we were

567

00:27:06,499 --> 00:27:03,839

discussing this just a little bit

568

00:27:08,299 --> 00:27:06,509

earlier with with Sandy down in the

569

00:27:10,369 --> 00:27:08,309

mid-deck and I looked at her and I said

570

00:27:13,129 --> 00:27:10,379

gosh you know sandy it feels like it's

571

00:27:14,719 --> 00:27:13,139

really about the end and for for

572

00:27:16,700 --> 00:27:14,729

certainly our nine-month training flow

573

00:27:18,440 --> 00:27:16,710

in the first hectic 12 days of our

574

00:27:20,719 --> 00:27:18,450

mission we didn't think we would ever

575

00:27:21,950 --> 00:27:20,729

see the end but now we're beginning to I

576

00:27:24,560 --> 00:27:21,960

guess see the light at the end of the

577

00:27:25,639 --> 00:27:24,570

tunnel if you can call it a light but

578

00:27:27,079 --> 00:27:25,649

I'll tell you when you pull away from

579

00:27:29,810 --> 00:27:27,089

the space station it just makes you

580

00:27:31,609 --> 00:27:29,820

enormous ly proud that that not just our

581

00:27:33,529 --> 00:27:31,619

country but the global community can

582

00:27:35,869 --> 00:27:33,539

pull together the resources enough to

583

00:27:37,849 --> 00:27:35,879

construct that incredible vehicle in

584

00:27:40,039 --> 00:27:37,859

orbit so as the Space Shuttle does

585

00:27:41,659 --> 00:27:40,049

retire and we hate to see it go we know

586

00:27:43,879 --> 00:27:41,669

that it is living it is leading an

587

00:27:45,919 --> 00:27:43,889

incredible lasting legacy and of that

588

00:27:47,089 --> 00:27:45,929

we're just extraordinarily proud and the

589

00:27:50,619 --> 00:27:47,099

space shuttle program should be

590

00:27:55,430 --> 00:27:53,060

sandi let me ask you to reflect on that

591

00:27:58,219 --> 00:27:55,440

as well you had some very poignant

592

00:28:00,950 --> 00:27:58,229

comments about America's role in space

593

00:28:02,570 --> 00:28:00,960

when we talked back in Houston so as now

594

00:28:03,950 --> 00:28:02,580

you pull away from the space station you

595

00:28:06,379 --> 00:28:03,960

prepare for landing

596

00:28:23,599 --> 00:28:06,389

your thoughts what have you reflected on

597

00:28:26,389 --> 00:28:23,609

over the last two weeks or so it's

598

00:28:28,460 --> 00:28:26,399

amazing when you look at some orbiting

599

00:28:29,869 --> 00:28:28,470

laboratory and think about other people

600

00:28:34,099 --> 00:28:29,879

involved in building around the world

601
00:28:35,930 --> 00:28:34,109
and and a role in America starting that

602
00:28:37,969 --> 00:28:35,940
program and getting everyone involved in

603
00:28:39,560 --> 00:28:37,979
that program and it just shows you where

604
00:28:42,169 --> 00:28:39,570
we can do we put our minds to it and

605
00:28:45,080 --> 00:28:42,179
focus our efforts and commit and I think

606
00:28:46,700 --> 00:28:45,090
with that same amount of commitment that

607
00:28:48,619 --> 00:28:46,710
same amount of passion that same amount

608
00:28:51,019 --> 00:28:48,629
of enthusiasm we pretty much can do

609
00:28:53,089 --> 00:28:51,029
anything and and going to the Moon or

610
00:28:55,009 --> 00:28:53,099
Mars or an asteroid is certainly our

611
00:28:56,539 --> 00:28:55,019
next step and I anticipate we will be

612
00:28:57,919 --> 00:28:56,549
able to do that because of the people

613
00:28:59,680 --> 00:28:57,929

involved in the determination and

614

00:29:02,269 --> 00:28:59,690

commitment

615

00:29:04,159 --> 00:29:02,279

well that's let me ask you you know

616

00:29:05,930 --> 00:29:04,169

through the miracle of technology I'm

617

00:29:08,330 --> 00:29:05,940

talking to you from a hotel room in

618

00:29:10,909 --> 00:29:08,340

Orlando while I'm preparing for your

619

00:29:13,190 --> 00:29:10,919

landing but twist and some of that it

620

00:29:15,469 --> 00:29:13,200

occurs to me DeMott the incredible

621

00:29:16,879 --> 00:29:15,479

technology as a result of what space has

622

00:29:18,349 --> 00:29:16,889

brought to america that the

623

00:29:20,299 --> 00:29:18,359

technological capability for

624

00:29:22,369 --> 00:29:20,309

communication whatever can you reflect

625

00:29:25,570 --> 00:29:22,379

back on what has what does the shuttle

626

00:29:27,919 --> 00:29:25,580

program done for America in terms of

627

00:29:32,979 --> 00:29:27,929

advancements in terms of technology and

628

00:29:38,029 --> 00:29:35,359

number one first thing it is is a

629

00:29:39,200 --> 00:29:38,039

reusable spacecraft you just haven't

630

00:29:40,549 --> 00:29:39,210

seen that before and there's really

631

00:29:41,899 --> 00:29:40,559

nothing like it and it's going to be a

632

00:29:44,659 --> 00:29:41,909

long time before you get something that

633

00:29:47,029 --> 00:29:44,669

is so complex so capable and yet

634

00:29:49,700 --> 00:29:47,039

reusable and then it gave us access to

635

00:29:50,839 --> 00:29:49,710

the low-earth orbit on a routine basis

636

00:29:52,700 --> 00:29:50,849

and it allowed us to build the

637

00:29:54,259 --> 00:29:52,710

International Space Station as far as

638

00:30:25,760 --> 00:29:54,269

medical breakthroughs that's where that

639

00:30:30,090 --> 00:30:28,529

and currently when we were on the ground

640

00:30:32,909 --> 00:30:30,100

Houston you talked specifically about

641

00:30:34,950 --> 00:30:32,919

how you wanted to pay tribute to all the

642

00:30:36,240 --> 00:30:34,960

hundreds of thousands of people who over

643

00:30:39,899 --> 00:30:36,250

the last thirty years have contributed

644

00:30:41,279 --> 00:30:39,909

to this to this program and given you

645

00:30:43,350 --> 00:30:41,289

the ability to be where you are right

646

00:30:45,510 --> 00:30:43,360

now so as you return as you prepare to

647

00:30:47,669 --> 00:30:45,520

return to the Kennedy Space Center your

648

00:30:48,899 --> 00:30:47,679

thoughts on all of those people and

649

00:30:52,080 --> 00:30:48,909

specifically the people on the ground

650

00:30:54,180 --> 00:30:52,090

now who are preparing for your landing

651
00:31:00,390 --> 00:30:54,190
and who many of whom may be out of a job

652
00:31:02,880 --> 00:31:00,400
within the next few weeks yeah we we

653
00:31:06,029 --> 00:31:02,890
really you know we really just want to

654
00:31:07,970 --> 00:31:06,039
honor them and we've done our best up to

655
00:31:10,980 --> 00:31:07,980
the time and the mission to do that and

656
00:31:13,409 --> 00:31:10,990
yeah we're very excited about seeing

657
00:31:16,260 --> 00:31:13,419
those folks especially the Kennedy folks

658
00:31:17,970 --> 00:31:16,270
hopefully tomorrow morning and you know

659
00:31:20,340 --> 00:31:17,980
just try to share the memories of the

660
00:31:24,390 --> 00:31:20,350
mission with them and and and once again

661
00:31:26,640 --> 00:31:24,400
just convey how proud we are of them and

662
00:31:31,380 --> 00:31:26,650
what they've done over the thirty year

663
00:31:33,090 --> 00:31:31,390

program it's just so inspiring to see

664

00:31:36,419 --> 00:31:33,100

the passion that all these folks have

665

00:31:38,669 --> 00:31:36,429

for space business and you know they put

666

00:31:42,060 --> 00:31:38,679

their careers into this business into

667

00:31:43,770 --> 00:31:42,070

the end of this vehicle and you know we

668

00:31:45,330 --> 00:31:43,780

owe it to them to just honor what

669

00:31:48,060 --> 00:31:45,340

they've done and honor their

670

00:31:49,409 --> 00:31:48,070

accomplishments and you know we were we

671

00:31:51,240 --> 00:31:49,419

were just lucky enough to be the ones

672

00:31:55,590 --> 00:31:51,250

that got the flight but you know they're

673

00:31:57,149 --> 00:31:55,600

the ones that really made it happen I'll

674

00:31:58,740 --> 00:31:57,159

tell you what we'll wrap it up there

675

00:32:01,110 --> 00:31:58,750

it's been an honor to talk to you we

676
00:32:02,549 --> 00:32:01,120
wish you a tremendous success on your

677
00:32:04,560 --> 00:32:02,559
return visit we'll be on the ground

678
00:32:12,400 --> 00:32:04,570
waiting for you Godspeed and safe return

679
00:32:17,930 --> 00:32:15,830
Atlantis this is Houston ACR on behalf

680
00:32:20,540 --> 00:32:17,940
of the audio control room the NASA

681
00:32:22,970 --> 00:32:20,550
television production team and the JSC

682
00:32:25,250 --> 00:32:22,980
Public Affairs Office it's been an honor

683
00:32:26,810 --> 00:32:25,260
to serve with you over the years and on

684
00:32:29,840 --> 00:32:26,820
this last mission of the space shuttle

685
00:32:36,470 --> 00:32:29,850
program thank you that concludes the

686
00:32:38,150 --> 00:32:36,480
event I'll tell you whenever we hear

687
00:32:40,520 --> 00:32:38,160
your voice we know we're in space and it

688
00:32:42,230 --> 00:32:40,530

makes it tomorrow thanks so much for for

689

00:32:43,850 --> 00:32:42,240

helping us bring the word to everybody

690

00:32:45,590 --> 00:32:43,860

in America about what we're doing up

691

00:32:46,760 --> 00:32:45,600

here and we look forward to hearing your

692

00:32:49,130 --> 00:32:46,770

voice aboard the International Space

693

00:32:58,870 --> 00:32:49,140

Station and wherever we go beyond the

694

00:33:03,230 --> 00:33:01,760

thank you for that Atlantis and Mission

695

00:33:08,540 --> 00:33:03,240

Control Houston will also like to thank

696

00:33:11,090 --> 00:33:08,550

ABC News CBS News CNN Fox News and NBC

697

00:33:12,890 --> 00:33:11,100

News and Atlantis will go ahead and