



1  
00:00:01,680 --> 00:00:12,950  
they asked if you'd love doing your job

2  
00:00:18,230 --> 00:00:15,749  
yes it's wonderful to work in space ever

3  
00:00:19,990 --> 00:00:18,240  
since i saw apollo 11 at luna landing

4  
00:00:22,470 --> 00:00:20,000  
when i was five years old i always

5  
00:00:24,630 --> 00:00:22,480  
longed for going to space and work and i

6  
00:00:27,189 --> 00:00:24,640  
hear a dream came true i had to study

7  
00:00:29,669 --> 00:00:27,199  
hard and work hard but i'm so happy to

8  
00:00:31,589 --> 00:00:29,679  
be here and i love loving living here

9  
00:00:35,110 --> 00:00:31,599  
and working with so many wonderful

10  
00:00:38,790 --> 00:00:36,870  
uh the uh

11  
00:00:40,950 --> 00:00:38,800  
just a couple of logistical questions

12  
00:00:42,950 --> 00:00:40,960  
how long did it take from the time of

13  
00:00:50,549 --> 00:00:42,960

launch how long did it get

14

00:00:53,910 --> 00:00:52,630

uh well mr president let me answer that

15

00:00:55,510 --> 00:00:53,920

in two uh

16

00:00:57,510 --> 00:00:55,520

two ways first of all it takes us about

17

00:01:00,150 --> 00:00:57,520

eight and a half minutes to get to orbit

18

00:01:02,150 --> 00:01:00,160

and at that time we're going 17 500

19

00:01:03,990 --> 00:01:02,160

miles an hour but we're in a bit of a

20

00:01:05,750 --> 00:01:04,000

tail chase with the space station and

21

00:01:07,670 --> 00:01:05,760

it's approximately about a day and a

22

00:01:11,510 --> 00:01:07,680

half to two days later that we actually

23

00:01:14,550 --> 00:01:12,390

okay so

24

00:01:16,630 --> 00:01:14,560

eight minutes just to get into orbit

25

00:01:18,870 --> 00:01:16,640

but then you've got to

26

00:01:20,230 --> 00:01:18,880

basically try to to catch up with the

27

00:01:22,390 --> 00:01:20,240

space station

28

00:01:26,070 --> 00:01:22,400

and match up so that you can uh you can

29

00:01:26,080 --> 00:01:29,270

exactly right

30

00:01:32,950 --> 00:01:30,469

okay

31

00:01:36,149 --> 00:01:32,960

anybody have any more questions

32

00:01:39,749 --> 00:01:37,910

what's your favorite or the most

33

00:01:43,670 --> 00:01:39,759

interesting experiment you're working on

34

00:01:49,590 --> 00:01:44,870

okay do you guys have a favorite

35

00:01:52,950 --> 00:01:51,190

that's a really tough question because

36

00:01:55,270 --> 00:01:52,960

they're all interesting in different

37

00:01:57,749 --> 00:01:55,280

ways mike and i were doing a flame

38

00:01:59,670 --> 00:01:57,759

experiment we were trying to to help the

39

00:02:01,350 --> 00:01:59,680

scientists on the ground understand how

40

00:02:02,709 --> 00:02:01,360

fire behaves up here there's all kinds

41

00:02:03,990 --> 00:02:02,719

of reasons for that so that was

42

00:02:05,670 --> 00:02:04,000

interesting because it's sort of an

43

00:02:07,109 --> 00:02:05,680

unusual environment to intentionally put

44

00:02:09,270 --> 00:02:07,119

a fire

45

00:02:11,190 --> 00:02:09,280

i think one of the ones i like the most

46

00:02:13,510 --> 00:02:11,200

is an experiment that we're doing on

47

00:02:15,190 --> 00:02:13,520

ourselves to try and understand how our

48

00:02:17,030 --> 00:02:15,200

nutritional state changes in our

49

00:02:19,030 --> 00:02:17,040

biochemistry changes and that'll help us

50

00:02:20,790 --> 00:02:19,040

design food and understand a little bit

51  
00:02:22,470 --> 00:02:20,800  
more about the processes that the human

52  
00:02:24,070 --> 00:02:22,480  
body undergoes that's probably my

53  
00:02:25,190 --> 00:02:24,080  
favorite one but there's all kinds of

54  
00:02:28,229 --> 00:02:25,200  
interesting things in all of the

55  
00:02:32,790 --> 00:02:30,790  
now can i ask you a question

56  
00:02:34,550 --> 00:02:32,800  
were you tempted to cut your hair

57  
00:02:37,030 --> 00:02:34,560  
shorter

58  
00:02:38,710 --> 00:02:37,040  
while you were up there uh or do you

59  
00:02:40,070 --> 00:02:38,720  
uh is it fun and well that's a really

60  
00:02:42,070 --> 00:02:40,080  
good question because it is a little bit

61  
00:02:45,270 --> 00:02:42,080  
of an overhead to take care of long hair

62  
00:02:47,110 --> 00:02:45,280  
here um i think you know ideally a short

63  
00:02:49,110 --> 00:02:47,120

haircut is the way to go but quite

64

00:02:52,550 --> 00:02:49,120

frankly on me it wouldn't be so nice so

65

00:02:52,560 --> 00:02:59,910

i i think it's a real fashion statement

66

00:03:06,790 --> 00:03:01,670

hold on one second we've got we've got

67

00:03:11,990 --> 00:03:08,790

how much spare time do you have on the

68

00:03:14,229 --> 00:03:12,000

day in the day

69

00:03:20,710 --> 00:03:14,239

how much how much spare time do you have

70

00:03:24,789 --> 00:03:23,110

they do keep us pretty busy up here and

71

00:03:26,869 --> 00:03:24,799

we have a very tight schedule that

72

00:03:28,789 --> 00:03:26,879

starts from the moment you wake up until

73

00:03:30,229 --> 00:03:28,799

the moment you go to sleep

74

00:03:32,710 --> 00:03:30,239

but they give us a little bit of time in

75

00:03:34,229 --> 00:03:32,720

the morning to uh to get yourself ready

76

00:03:36,869 --> 00:03:34,239

get yourself cleaned up have some

77

00:03:39,509 --> 00:03:36,879

breakfast and the same in the evening so

78

00:03:41,190 --> 00:03:39,519

we can use that time to either call down

79

00:03:42,949 --> 00:03:41,200

to our family and friends or maybe even

80

00:03:46,070 --> 00:03:42,959

check our email and see how things are

81

00:03:48,869 --> 00:03:46,080

going back on earth

82

00:03:49,990 --> 00:03:48,879

now that's interesting does uh does

83

00:03:51,910 --> 00:03:50,000

email

84

00:03:53,429 --> 00:03:51,920

uh work

85

00:03:55,830 --> 00:03:53,439

pretty much the same between the space

86

00:03:56,789 --> 00:03:55,840

station uh and

87

00:04:02,869 --> 00:03:56,799

uh

88

00:04:05,190 --> 00:04:04,229

mr president

89

00:04:09,750 --> 00:04:05,200

as

90

00:04:11,589 --> 00:04:09,760

on the planet knows that the email is

91

00:04:13,350 --> 00:04:11,599

pretty important way for us to keep in

92

00:04:14,869 --> 00:04:13,360

touch with each other

93

00:04:17,509 --> 00:04:14,879

even though we're really far away and

94

00:04:20,069 --> 00:04:17,519

traveling really fast we still use email

95

00:04:22,230 --> 00:04:20,079

also unfortunately we only synchronize

96

00:04:24,390 --> 00:04:22,240

our emails uh once or twice a day

97

00:04:26,870 --> 00:04:24,400

sometimes three times a day so it's not

98

00:04:28,790 --> 00:04:26,880

as fast and instantaneous as we are used

99

00:04:31,110 --> 00:04:28,800

to on the ground but even so it's a

100

00:04:33,909 --> 00:04:31,120

really useful way to get in touch with

101  
00:04:36,550 --> 00:04:33,919  
other people in addition we have a kind

102  
00:04:38,310 --> 00:04:36,560  
of an internet over uh voice over

103  
00:04:39,909 --> 00:04:38,320  
internet protocol telephone so it's

104  
00:04:42,870 --> 00:04:39,919  
really nice that we can get a chance to

105  
00:04:44,710 --> 00:04:42,880  
talk to our families not 24 7 but when

106  
00:04:47,189 --> 00:04:44,720  
we do have good satellite coverage we do

107  
00:04:48,790 --> 00:04:47,199  
get the chance to call home and that for

108  
00:04:51,030 --> 00:04:48,800  
those of us who stay up for a long time

109  
00:04:53,749 --> 00:04:51,040  
that's what's really really important to

110  
00:04:56,790 --> 00:04:55,110  
excellent

111  
00:04:58,310 --> 00:04:56,800  
all right well i know that uh you guys

112  
00:05:01,110 --> 00:04:58,320  
probably have a whole bunch of stuff to

113  
00:05:03,350 --> 00:05:01,120

do but i look i think that we may have

114

00:05:08,310 --> 00:05:03,360

one more question from uh a member of

115

00:05:12,550 --> 00:05:09,990

thank you very much um my name is

116

00:05:14,790 --> 00:05:12,560

suzanne kosmas and i actually represent

117

00:05:17,270 --> 00:05:14,800

central florida the area that includes

118

00:05:19,270 --> 00:05:17,280

the uh kennedy space center so i want to

119

00:05:21,990 --> 00:05:19,280

first thank you on behalf of all

120

00:05:24,390 --> 00:05:22,000

americans for your service to us and uh

121

00:05:27,670 --> 00:05:24,400

for what you represent in terms of

122

00:05:30,390 --> 00:05:27,680

america and our supremacy in space

123

00:05:31,670 --> 00:05:30,400

exploration um along with our

124

00:05:33,029 --> 00:05:31,680

international partners and for what

125

00:05:35,270 --> 00:05:33,039

you're doing there at the international

126

00:05:37,189 --> 00:05:35,280

space station i had the honor of being

127

00:05:39,830 --> 00:05:37,199

at the kennedy space center last week

128

00:05:43,510 --> 00:05:39,840

when you took off and it was a fabulous

129

00:05:45,990 --> 00:05:43,520

abs absolutely fantastic launch and um

130

00:05:48,629 --> 00:05:46,000

we so i wished you a do from there and

131

00:05:50,310 --> 00:05:48,639

now i'm wishing you hello from here um i

132

00:05:52,230 --> 00:05:50,320

want to thank you again for your service

133

00:05:53,909 --> 00:05:52,240

and tell you how excited i am to be

134

00:05:56,950 --> 00:05:53,919

representing the kennedy space station

135

00:05:59,430 --> 00:05:56,960

in that area but also for what you do

136

00:06:01,749 --> 00:05:59,440

that inspires people to be interested in

137

00:06:03,909 --> 00:06:01,759

the science and technology that has led

138

00:06:06,790 --> 00:06:03,919

us to this pioneering place where you

139

00:06:09,749 --> 00:06:06,800

are and um the things that we anticipate

140

00:06:10,950 --> 00:06:09,759

that we will be able to reap from your

141

00:06:13,029 --> 00:06:10,960

service

142

00:06:15,350 --> 00:06:13,039

i'm very thrilled about particularly uh

143

00:06:16,950 --> 00:06:15,360

the idea as the president has said of

144

00:06:19,670 --> 00:06:16,960

alternative energies the fact that

145

00:06:21,270 --> 00:06:19,680

you're using solar panels in space what

146

00:06:24,150 --> 00:06:21,280

we're hoping in the long run that you

147

00:06:26,790 --> 00:06:24,160

will be able to from space use solar

148

00:06:28,710 --> 00:06:26,800

energy to come back to earth and um

149

00:06:30,710 --> 00:06:28,720

again i'm thrilled to be here and very

150

00:06:33,189 --> 00:06:30,720

excited to have the opportunity to talk

151  
00:06:37,270 --> 00:06:33,199  
to you and um thank you so much for your

152  
00:06:41,270 --> 00:06:39,590  
well i think that uh thank you man we

153  
00:06:42,790 --> 00:06:41,280  
appreciate that and uh each one of us

154  
00:06:44,950 --> 00:06:42,800  
here is very lucky and honored to be

155  
00:06:46,550 --> 00:06:44,960  
right where we're at uh here today so

156  
00:06:51,110 --> 00:06:46,560  
the honor is all ours we're honored to

157  
00:06:54,309 --> 00:06:52,469  
well i think all of us echo the

158  
00:06:56,230 --> 00:06:54,319  
sentiment uh we are extraordinarily

159  
00:06:57,510 --> 00:06:56,240  
proud of you we're so grateful that you

160  
00:06:59,670 --> 00:06:57,520  
took the time to

161  
00:07:01,029 --> 00:06:59,680  
to speak to all of us i know these young

162  
00:07:03,589 --> 00:07:01,039  
people

163  
00:07:07,270 --> 00:07:03,599

are are pretty excited to be on a direct

164

00:07:12,629 --> 00:07:07,280

link with the astronauts in space so

165

00:07:16,550 --> 00:07:14,710

all right they they all they're all

166

00:07:18,950 --> 00:07:16,560

beaming and

167

00:07:20,230 --> 00:07:18,960

and we appreciate you guys so uh look

168

00:07:21,430 --> 00:07:20,240

forward to seeing you when you're back

169

00:07:23,670 --> 00:07:21,440

on the ground

170

00:07:25,909 --> 00:07:23,680

god bless you

171

00:07:27,749 --> 00:07:25,919

thank you mr president on behalf of the

172

00:07:29,350 --> 00:07:27,759

space shuttle discovery crew here in the

173

00:07:30,629 --> 00:07:29,360

dark blue shirts i

174

00:07:32,710 --> 00:07:30,639

want to say we're very honored that you

175

00:07:35,029 --> 00:07:32,720

spent uh some time with us today uh it

176

00:07:36,870 --> 00:07:35,039

meant a lot to us we thank you very much

177

00:07:39,029 --> 00:07:36,880

and from uh from one chicago guy to

178

00:07:40,390 --> 00:07:39,039

another i wish you well sir and uh for

179

00:07:42,309 --> 00:07:40,400

the closing comments i'll pass the

180

00:07:43,510 --> 00:07:42,319

microphone off to uh commander mike fink

181

00:07:45,830 --> 00:07:43,520

the commander of the international space

182

00:07:47,749 --> 00:07:45,840

station

183

00:07:49,830 --> 00:07:47,759

thank you

184

00:07:52,469 --> 00:07:49,840

mr president i'm not from chicago i'm

185

00:07:53,589 --> 00:07:52,479

sorry about that but uh my crew and i

186

00:07:55,189 --> 00:07:53,599

were

187

00:07:57,749 --> 00:07:55,199

really happy to have a chance to talk to

188

00:07:59,830 --> 00:07:57,759

you and share our adventure with even

189

00:08:01,510 --> 00:07:59,840

more people it's pretty impressive what

190

00:08:03,029 --> 00:08:01,520

human beings can do when we work

191

00:08:05,189 --> 00:08:03,039

together constructively and not

192

00:08:06,710 --> 00:08:05,199

destructively and that's the mission of

193

00:08:08,550 --> 00:08:06,720

the international space station so

194

00:08:11,749 --> 00:08:08,560

thanks for joining us thanks for flying

195

00:08:13,270 --> 00:08:11,759

with us at 17 500 miles an hour today

196

00:08:15,670 --> 00:08:13,280

and we're sure we're glad to have a

197

00:08:17,830 --> 00:08:15,680

chance to share it with you and uh the

198

00:08:19,909 --> 00:08:17,840

distinguished members from from congress

199

00:08:23,670 --> 00:08:19,919

as well as all the kids out there so

200

00:08:25,350 --> 00:08:23,680

everybody thanks again for joining us

201

00:08:28,550 --> 00:08:25,360

thank you guys

202

00:08:32,790 --> 00:08:30,950

and discovery ifs this is houston that

203

00:08:34,790 --> 00:08:32,800

concludes the event uh thank you mr

204

00:08:36,469 --> 00:08:34,800

president discovery assets we are now