



**Matthew Fogg**

**Deputy Chief United States Marshall (Retired)**

1  
00:00:05,030 --> 00:00:03,020  
hi I'm NASA astronaut retired Air Force

2  
00:00:07,160 --> 00:00:05,040  
colonel Ron Garan along with my crewmate

3  
00:00:09,919 --> 00:00:07,170  
retired Air Force colonel Mike Fossum as

4  
00:00:11,839 --> 00:00:09,929  
we pause to mark the 10th anniversary of

5  
00:00:14,959 --> 00:00:11,849  
the attacks on our nation that occurred

6  
00:00:16,700 --> 00:00:14,969  
on sep tember 11 2001 the crew of the

7  
00:00:18,859 --> 00:00:16,710  
International Space Station stands

8  
00:00:21,260 --> 00:00:18,869  
United and paying its respects to the

9  
00:00:23,390 --> 00:00:21,270  
victims of 911 those who perished that

10  
00:00:25,730 --> 00:00:23,400  
day and those who lost families and

11  
00:00:30,710 --> 00:00:25,740  
friends in New York City Shanksville

12  
00:00:32,870 --> 00:00:30,720  
Pennsylvania and Washington DC we also

13  
00:00:34,910 --> 00:00:32,880

want to remember the sacrifices made by

14

00:00:37,220 --> 00:00:34,920

the first responders who ignored the

15

00:00:39,920 --> 00:00:37,230

dangers and ran toward the destruction

16

00:00:41,569 --> 00:00:39,930

and the devastation that was visible

17

00:00:43,639 --> 00:00:41,579

even from here the International Space

18

00:00:46,819 --> 00:00:43,649

Station by Commander Frank Culbertson

19

00:00:48,740 --> 00:00:46,829

and the crew of expedition 3 we want to

20

00:00:50,990 --> 00:00:48,750

pay tribute to the tens of thousands of

21

00:00:52,970 --> 00:00:51,000

men and women who have volunteered to

22

00:00:56,930 --> 00:00:52,980

defend us in countries far from home

23

00:01:00,860 --> 00:00:56,940

today we have a safer stronger and far

24

00:01:02,599 --> 00:01:00,870

more resilient America our thoughts and

25

00:01:04,130 --> 00:01:02,609

prayers are with our military personnel

26

00:01:05,899 --> 00:01:04,140

as they continue to serve around the

27

00:01:07,940 --> 00:01:05,909

world in the name of freedom and with

28

00:01:17,850 --> 00:01:07,950

the survivors of that fateful day their

29

00:01:17,860 --> 00:01:24,200

you

30

00:01:28,969 --> 00:01:26,870

good morning senator Nelson

31

00:01:32,210 --> 00:01:28,979

representative Fattah represented

32

00:01:34,250 --> 00:01:32,220

Palazzo mr. Fogg captain culbertson and

33

00:01:35,840 --> 00:01:34,260

distinguished guests thank you for

34

00:01:37,310 --> 00:01:35,850

joining the NASA community in our

35

00:01:41,240 --> 00:01:37,320

commemoration of the events of sep

36

00:01:42,830 --> 00:01:41,250

tember 11 2001 nasa joins the rest of

37

00:01:45,200 --> 00:01:42,840

the nation reflecting on the events that

38

00:01:47,330 --> 00:01:45,210

took place 10 years ago in washington

39

00:01:49,880 --> 00:01:47,340

d.c new york city in Shanksville

40

00:01:52,160 --> 00:01:49,890

Pennsylvania as we think about the

41

00:01:54,080 --> 00:01:52,170

sacrifices that took place on that day

42

00:01:56,840 --> 00:01:54,090

in the United States and in the years

43

00:01:58,999 --> 00:01:56,850

that followed in foreign lands let us

44

00:02:00,499 --> 00:01:59,009

also take a moment for gratitude towards

45

00:02:02,900 --> 00:02:00,509

those who currently serve our country

46

00:02:05,870 --> 00:02:02,910

both at home and abroad for the safety

47

00:02:08,090 --> 00:02:05,880

and well-being of all Americans we are

48

00:02:09,889 --> 00:02:08,100

privileged to have with us today several

49

00:02:13,400 --> 00:02:09,899

of those people our distinguished guests

50

00:02:33,010 --> 00:02:13,410

who serve our nation daily please rise

51  
00:02:50,200 --> 00:02:41,200  
all see can you see by the dawn's early

52  
00:02:55,360 --> 00:02:50,210  
light what so proudly we hailed at the

53  
00:03:00,820 --> 00:02:55,370  
twilight's last gleaming whose broad

54  
00:03:07,440 --> 00:03:00,830  
stripes and bright stars through the

55  
00:03:15,600 --> 00:03:07,450  
perilous fight or the ramparts we

56  
00:03:22,330 --> 00:03:15,610  
watched were so gallantly streaming and

57  
00:03:32,230 --> 00:03:22,340  
the Rockets red glare the bombs bursting

58  
00:03:39,270 --> 00:03:32,240  
in air gave proof through the night that

59  
00:03:46,210 --> 00:03:39,280  
our flag was still there oh say does

60  
00:03:59,630 --> 00:03:49,270  
hurry yet way

61  
00:03:59,640 --> 00:04:23,540  
and the home Oh

62  
00:04:28,850 --> 00:04:26,100  
the first of our slate of distinguished

63  
00:04:31,800 --> 00:04:28,860

speakers is administrator charles bolden

64

00:04:34,320 --> 00:04:31,810

nominated by President Obama retired

65

00:04:37,200 --> 00:04:34,330

Marine Corps Major General Charles Frank

66

00:04:39,620 --> 00:04:37,210

Bolden jr. began his duties as nasa

67

00:04:42,540 --> 00:04:39,630

administrator in july two thousand nine

68

00:04:44,159 --> 00:04:42,550

his US Senate confirmation marks the

69

00:04:46,680 --> 00:04:44,169

beginning of his second stint with the

70

00:04:49,469 --> 00:04:46,690

nation's space agency his 34-year

71

00:04:52,340 --> 00:04:49,479

military career having included 14 years

72

00:04:55,830 --> 00:04:52,350

as a member of NASA's astronaut office

73

00:04:57,570 --> 00:04:55,840

after joining nasa in 1980 he traveled

74

00:04:59,750 --> 00:04:57,580

to orbit four times aboard the space

75

00:05:09,000 --> 00:04:59,760

shuttle commanding two of the missions

76

00:05:10,830 --> 00:05:09,010

administrator Bolden morning good

77

00:05:12,480 --> 00:05:10,840

morning to all of you and and thanks to

78

00:05:14,909 --> 00:05:12,490

all of you for coming together as NASA

79

00:05:16,560 --> 00:05:14,919

joins the nation and the world in making

80

00:05:19,860 --> 00:05:16,570

the 10th anniversary of the sep tember

81

00:05:22,710 --> 00:05:19,870

11 2001 terrorists attacked on our

82

00:05:24,810 --> 00:05:22,720

country I especially want to recognize

83

00:05:27,570 --> 00:05:24,820

New York City first responder Matthew

84

00:05:30,300 --> 00:05:27,580

fog four and three members of Congress

85

00:05:33,480 --> 00:05:30,310

who are with us today Florida Senator

86

00:05:36,060 --> 00:05:33,490

Bill Nelson who by the way was one of my

87

00:05:38,790 --> 00:05:36,070

crew members on the 1986 Columbia

88

00:05:42,900 --> 00:05:38,800

shuttle mission st s61 see senator

89

00:05:45,680 --> 00:05:42,910

Nelson Phillip the Pennsylvania

90

00:05:47,640 --> 00:05:45,690

representative Chaka Fattah and

91

00:05:50,190 --> 00:05:47,650

Mississippi representative Steven

92

00:05:52,890 --> 00:05:50,200

Palazzo thank you very much on this

93

00:05:55,830 --> 00:05:52,900

solemn occasion we pause to remember the

94

00:05:59,070 --> 00:05:55,840

lives of those we lost that tragic day

95

00:06:02,520 --> 00:05:59,080

and to offer comfort to families they

96

00:06:05,279 --> 00:06:02,530

left behind we also salute the survivors

97

00:06:07,680 --> 00:06:05,289

and the many brave first responders who

98

00:06:10,469 --> 00:06:07,690

ran directly into the face of danger to

99

00:06:12,540 --> 00:06:10,479

save lives as you will hear later from

100

00:06:14,850 --> 00:06:12,550

the very first moments of the tragedy

101  
00:06:17,670 --> 00:06:14,860  
members of the NASA family have played a

102  
00:06:20,159 --> 00:06:17,680  
part in the recovery and healing of our

103  
00:06:22,409 --> 00:06:20,169  
nation astronauts aboard the

104  
00:06:23,470 --> 00:06:22,419  
International Space Station were able to

105  
00:06:25,120 --> 00:06:23,480  
photograph

106  
00:06:28,210 --> 00:06:25,130  
the devastation of that terrible day

107  
00:06:31,720 --> 00:06:28,220  
which could be seen even as far away as

108  
00:06:34,330 --> 00:06:31,730  
the vantage point of low Earth orbit the

109  
00:06:37,360 --> 00:06:34,340  
photos taken by the only American off

110  
00:06:40,810 --> 00:06:37,370  
the planet at that time Franco person

111  
00:06:43,570 --> 00:06:40,820  
who you will meet later are an historic

112  
00:06:46,750 --> 00:06:43,580  
reminder that this small dot in the

113  
00:06:50,080 --> 00:06:46,760

universe still has big challenges to

114

00:06:52,780 --> 00:06:50,090

overcome America's first responders and

115

00:06:55,420 --> 00:06:52,790

many ordinary people became heroes on

116

00:06:58,570 --> 00:06:55,430

911 and our government has continued

117

00:07:01,810 --> 00:06:58,580

since that day to take the steps that

118

00:07:03,670 --> 00:07:01,820

have kept our nation safe more than 2

119

00:07:06,580 --> 00:07:03,680

million of our troops have served in war

120

00:07:08,980 --> 00:07:06,590

zones these brave volunteers are

121

00:07:11,230 --> 00:07:08,990

protecting our nation beyond its borders

122

00:07:14,110 --> 00:07:11,240

and preventing threats before they can

123

00:07:16,960 --> 00:07:14,120

reach our shores they have upheld the

124

00:07:19,540 --> 00:07:16,970

virtues of service sacrifice and

125

00:07:22,720 --> 00:07:19,550

selflessness that have always been the

126

00:07:25,660 --> 00:07:22,730

source of America's strength as the

127

00:07:28,630 --> 00:07:25,670

beneficiaries of their service we have a

128

00:07:32,070 --> 00:07:28,640

sacred duty to support all of our troops

129

00:07:34,240 --> 00:07:32,080

the military families and veterans

130

00:07:37,180 --> 00:07:34,250

America is a different place since that

131

00:07:39,430 --> 00:07:37,190

faithful day but NASA's subsequent human

132

00:07:41,290 --> 00:07:39,440

and science missions have demonstrated

133

00:07:45,040 --> 00:07:41,300

how space exploration can bring our

134

00:07:48,850 --> 00:07:45,050

world together erase borders and improve

135

00:07:51,730 --> 00:07:48,860

the lives of people across the world we

136

00:07:54,210 --> 00:07:51,740

will never forget 911 but we are

137

00:07:56,980 --> 00:07:54,220

nevertheless optimistic about the future

138

00:07:59,200 --> 00:07:56,990

part of my optimism is fueled by the

139

00:08:02,260 --> 00:07:59,210

potential of NASA's commitment to

140

00:08:04,660 --> 00:08:02,270

ongoing cooperative F exploration that

141

00:08:07,120 --> 00:08:04,670

will inspire humanity and lift our

142

00:08:10,540 --> 00:08:07,130

thoughts to the higher potential of

143

00:08:12,550 --> 00:08:10,550

which we are capable NASA is uniquely

144

00:08:15,700 --> 00:08:12,560

positioned to continue building bridges

145

00:08:17,830 --> 00:08:15,710

in a global enterprise that helps us

146

00:08:20,500 --> 00:08:17,840

uncover the secrets of our planet and

147

00:08:23,800 --> 00:08:20,510

the universe and bring scientists

148

00:08:25,840 --> 00:08:23,810

engineers and explorers from all walks

149

00:08:29,680 --> 00:08:25,850

of life together no matter their race

150

00:08:34,089 --> 00:08:29,690

religion national origin or background

151

00:08:36,969 --> 00:08:34,099

this is the legacy not only of NASA it

152

00:08:37,269 --> 00:08:36,979

is a path that all of us must pursue to

153

00:08:40,779 --> 00:08:37,279

the

154

00:08:43,360 --> 00:08:40,789

ature again I want to thank you all for

155

00:08:46,869 --> 00:08:43,370

participating in NASA's Day of

156

00:08:48,519 --> 00:08:46,879

Remembrance our nation's unity and the

157

00:08:51,369 --> 00:08:48,529

many ways we help each other through

158

00:08:54,429 --> 00:08:51,379

adversity is one of our greatest assets

159

00:08:57,309 --> 00:08:54,439

we are resilient our nation draw

160

00:08:59,530 --> 00:08:57,319

strength from diversity and we can do

161

00:09:01,809 --> 00:08:59,540

whatever we set our mind to not just

162

00:09:03,840 --> 00:09:01,819

because of our military power but

163

00:09:07,900 --> 00:09:03,850

because of the power of our ideas

164

00:09:10,900 --> 00:09:07,910

because who we are one nation dedicated

165

00:09:12,400 --> 00:09:10,910

to building a more perfect union the

166

00:09:14,619 --> 00:09:12,410

families of the victims and the

167

00:09:16,809 --> 00:09:14,629

continued healing of our nation our

168

00:09:20,170 --> 00:09:16,819

foremost in our thoughts and prayers

169

00:09:23,170 --> 00:09:20,180

today let us join in remembrance and

170

00:09:26,860 --> 00:09:23,180

raise our sights to tomorrow's promise

171

00:09:29,319 --> 00:09:26,870

and now it's my distinct pleasure to

172

00:09:31,569 --> 00:09:29,329

bring to the podium my friend informal

173

00:09:41,040 --> 00:09:31,579

shuttle former shuttle crew mate Senator

174

00:09:48,910 --> 00:09:45,580

good morning to the NASA family all of

175

00:09:53,890 --> 00:09:48,920

us will remember exactly where we were

176  
00:09:57,730 --> 00:09:53,900  
on that fateful day moments of tragedy

177  
00:10:01,690 --> 00:09:57,740  
such as that including the loss of two

178  
00:10:05,170 --> 00:10:01,700  
space shuttles etch into the mind the

179  
00:10:09,030 --> 00:10:05,180  
indelible imprint of memory exactly

180  
00:10:12,580 --> 00:10:09,040  
where you were what you were doing on

181  
00:10:16,390 --> 00:10:12,590  
the early morning of September the 11

182  
00:10:19,090 --> 00:10:16,400  
2001 I was on the west front of the

183  
00:10:23,470 --> 00:10:19,100  
United States Capitol building in a

184  
00:10:28,090 --> 00:10:23,480  
leadership meeting we had actually tried

185  
00:10:30,520 --> 00:10:28,100  
to continue the meeting even after we

186  
00:10:34,570 --> 00:10:30,530  
knew that the world trade center had

187  
00:10:37,060 --> 00:10:34,580  
been hit when suddenly someone burst in

188  
00:10:42,300 --> 00:10:37,070

the door and said the Pentagon has been

189

00:10:45,430 --> 00:10:42,310

hit we left immediately to the windows

190

00:10:48,850 --> 00:10:45,440

overlooking the mall the west front of

191

00:10:54,600 --> 00:10:48,860

the Capitol to see the black smoke

192

00:11:00,570 --> 00:10:54,610

rising across the Potomac and then that

193

00:11:04,470 --> 00:11:00,580

memorable voice in my head continues as

194

00:11:08,050 --> 00:11:04,480

going out in the hallway down the stairs

195

00:11:10,570 --> 00:11:08,060

the Capitol Police were shouting at the

196

00:11:13,000 --> 00:11:10,580

top of their lungs get out of the

197

00:11:18,250 --> 00:11:13,010

building get out of the building run run

198

00:11:21,790 --> 00:11:18,260

there's an inbound airplane and of

199

00:11:27,160 --> 00:11:21,800

course because that flight was delayed

200

00:11:31,150 --> 00:11:27,170

that morning the passengers had a chance

201  
00:11:34,480 --> 00:11:31,160  
to find out what was happening and they

202  
00:11:38,020 --> 00:11:34,490  
decided to storm that cockpit and that

203  
00:11:42,640 --> 00:11:38,030  
took the plane down on that Pennsylvania

204  
00:11:46,360 --> 00:11:42,650  
field otherwise its target was thought

205  
00:11:50,829 --> 00:11:46,370  
to be the west front of the United

206  
00:11:52,840 --> 00:11:50,839  
States Capitol building since sep tember

207  
00:11:57,970 --> 00:11:52,850  
the 11th

208  
00:12:01,110 --> 00:11:57,980  
the world has changed clearly from our

209  
00:12:04,449 --> 00:12:01,120  
national security standpoint we see that

210  
00:12:09,189 --> 00:12:04,459  
having come through the large landmass

211  
00:12:14,800 --> 00:12:09,199  
armies to protect us we now move to a

212  
00:12:18,490 --> 00:12:14,810  
much more surgical Swift kind of

213  
00:12:20,920 --> 00:12:18,500

protection it used to be that we had the

214

00:12:24,249 --> 00:12:20,930

great privilege of having two big oceans

215

00:12:29,559 --> 00:12:24,259

that protected us now we know

216

00:12:32,199 --> 00:12:29,569

differently and as you now see I knew

217

00:12:35,340 --> 00:12:32,209

modus operandi for protecting our

218

00:12:39,040 --> 00:12:35,350

interests it's the marrying up of

219

00:12:43,569 --> 00:12:39,050

extensive laborious time taking

220

00:12:48,569 --> 00:12:43,579

intelligence work married up with a

221

00:12:53,189 --> 00:12:48,579

swift legal leak the lethal surgical

222

00:12:58,559 --> 00:12:53,199

stealthy military strike as best

223

00:13:01,449 --> 00:12:58,569

evidenced by the takedown of bin Laden

224

00:13:06,670 --> 00:13:01,459

since september the 11th nasa has

225

00:13:11,470 --> 00:13:06,680

changed this family has responded as

226

00:13:14,980 --> 00:13:11,480

patriotic americans do so well in the

227

00:13:20,860 --> 00:13:14,990

pictures that we've just seen in the

228

00:13:27,069 --> 00:13:20,870

honoring of country in the contributions

229

00:13:31,780 --> 00:13:27,079

of scientific achievement but nASA has

230

00:13:35,620 --> 00:13:31,790

changed also because NASA realizes that

231

00:13:39,850 --> 00:13:35,630

we can't do the things that we used to

232

00:13:44,710 --> 00:13:39,860

do the same old ways since 911 and the

233

00:13:47,650 --> 00:13:44,720

protection of the national interest we

234

00:13:50,550 --> 00:13:47,660

now know that the engagement of

235

00:13:55,110 --> 00:13:50,560

protecting protecting our interest on

236

00:13:58,629 --> 00:13:55,120

faraway lands costs a lot of money and

237

00:14:02,049 --> 00:13:58,639

then with the near meltdown on Wall

238

00:14:06,079 --> 00:14:02,059

Street and the taking us down into a

239

00:14:09,900 --> 00:14:06,089

recession trying to climb out of that

240

00:14:15,319 --> 00:14:09,910

the governmental resources are harder to

241

00:14:19,470 --> 00:14:15,329

come by although the pie has not shrunk

242

00:14:23,370 --> 00:14:19,480

clearly the difficulties of getting the

243

00:14:27,930 --> 00:14:23,380

slice of the pie are much more

244

00:14:33,509 --> 00:14:27,940

heightened and therefore nASA has

245

00:14:37,829 --> 00:14:33,519

changed as well to move to a new stable

246

00:14:42,509 --> 00:14:37,839

of rockets where we can continue our

247

00:14:50,189 --> 00:14:42,519

space program that is more efficient and

248

00:14:54,290 --> 00:14:50,199

more cost-effective and is safer if you

249

00:14:56,699 --> 00:14:54,300

talk to the average American this is a

250

00:15:00,480 --> 00:14:56,709

responsibility that we have in the NASA

251  
00:15:04,050 --> 00:15:00,490  
family to explain just how vigorous our

252  
00:15:07,199 --> 00:15:04,060  
space program is the average American

253  
00:15:09,590 --> 00:15:07,209  
out there on the street they have the

254  
00:15:13,710 --> 00:15:09,600  
impression the space program is over

255  
00:15:17,100 --> 00:15:13,720  
we're just getting cranked up we just

256  
00:15:23,009 --> 00:15:17,110  
went to Jupiter we just went to the moon

257  
00:15:26,819 --> 00:15:23,019  
ah we're getting ready to go to Mars

258  
00:15:30,540 --> 00:15:26,829  
with a rover that is the size of a

259  
00:15:33,780 --> 00:15:30,550  
Volkswagen that's got six wheels that's

260  
00:15:38,009 --> 00:15:33,790  
got a pole that'll stick up and then zap

261  
00:15:40,290 --> 00:15:38,019  
rocks with a laser it's got a scooper

262  
00:15:44,250 --> 00:15:40,300  
it's got a couple of eyes that will pop

263  
00:15:46,319 --> 00:15:44,260

up and we can see it real-time and it

264

00:15:50,579 --> 00:15:46,329

doesn't have to go to sleep in the

265

00:15:53,960 --> 00:15:50,589

Martian night and we have a stable of

266

00:15:57,449 --> 00:15:53,970

rockets that are now in competition to

267

00:16:00,449 --> 00:15:57,459

deliver crew and cargo to the

268

00:16:03,600 --> 00:16:00,459

international space station and then

269

00:16:06,079 --> 00:16:03,610

pursuant to the legislation that was

270

00:16:09,900 --> 00:16:06,089

passed in the nasa authorization bill

271

00:16:12,449 --> 00:16:09,910

signed into law by the president we have

272

00:16:14,610 --> 00:16:12,459

a new stable of rockets that will

273

00:16:17,579 --> 00:16:14,620

eventually take us to the goals set by

274

00:16:19,619 --> 00:16:17,589

the President and that is to go to the

275

00:16:26,139 --> 00:16:19,629

planet Mars

276

00:16:31,319 --> 00:16:26,149

we have changed the world has changed we

277

00:16:35,230 --> 00:16:31,329

are safer but we are not safe and

278

00:16:38,859 --> 00:16:35,240

therefore it calls on us and our

279

00:16:45,929 --> 00:16:38,869

colleagues our fellow Americans to keep

280

00:16:50,460 --> 00:16:45,939

the spirit of America going to guard our

281

00:16:54,369 --> 00:16:50,470

cherished freedom and in the process

282

00:16:59,199 --> 00:16:54,379

keep the hope alive by doing what is in

283

00:17:12,480 --> 00:16:59,209

the heart of every American reach for

284

00:17:17,850 --> 00:17:15,460

our next speaker is US Representative

285

00:17:20,049 --> 00:17:17,860

Chaka Fattah of Pennsylvania

286

00:17:21,639 --> 00:17:20,059

representative Fattah is the ranking

287

00:17:24,939 --> 00:17:21,649

member of the Subcommittee on Commerce

288

00:17:27,090 --> 00:17:24,949

justice science and related agencies of

289

00:17:29,620 --> 00:17:27,100

the House Committee on Appropriations

290

00:17:32,889 --> 00:17:29,630

congressman Fattah was elected to the US

291

00:17:34,960 --> 00:17:32,899

House of Representatives in 1994 prior

292

00:17:36,779 --> 00:17:34,970

to his election to the US Congress he

293

00:17:38,830 --> 00:17:36,789

served as a representative in the

294

00:17:40,619 --> 00:17:38,840

Pennsylvania State House and as a

295

00:17:58,499 --> 00:17:40,629

Pennsylvania State Senator

296

00:18:04,180 --> 00:17:58,509

representative Fatah well it is indeed

297

00:18:09,180 --> 00:18:04,190

appropriate to pause and reflect on the

298

00:18:13,740 --> 00:18:09,190

events some ten years ago and for NASA

299

00:18:17,639 --> 00:18:13,750

I'd like to say that as the premier

300

00:18:23,529 --> 00:18:17,649

agency of his type anywhere in the world

301  
00:18:26,320 --> 00:18:23,539  
you have played an important role in our

302  
00:18:30,580 --> 00:18:26,330  
nation's efforts to deal with the

303  
00:18:31,990 --> 00:18:30,590  
challenges relevant to that day I'll

304  
00:18:35,769 --> 00:18:32,000  
speak a little bit about that in a

305  
00:18:39,669 --> 00:18:35,779  
minute but I recall a young president

306  
00:18:46,210 --> 00:18:39,679  
who went to rice university and launched

307  
00:18:49,570 --> 00:18:46,220  
our nation on to a effort to conquer and

308  
00:18:53,049 --> 00:18:49,580  
explore space and he said that we choose

309  
00:18:56,909 --> 00:18:53,059  
to go to the moon not because it's easy

310  
00:18:59,470 --> 00:18:56,919  
but because it's hard you do very

311  
00:19:02,470 --> 00:18:59,480  
difficult work and I want to

312  
00:19:05,610 --> 00:19:02,480  
congratulate the administrator and all

313  
00:19:09,310 --> 00:19:05,620

of the staff and all of the employees

314

00:19:12,749 --> 00:19:09,320

are part of the NASA family along with

315

00:19:20,220 --> 00:19:12,759

the contractors for the work that you do

316

00:19:22,419 --> 00:19:20,230

now President Kennedy talked about our

317

00:19:25,899 --> 00:19:22,429

efforts in space that

318

00:19:29,259 --> 00:19:25,909

but a year earlier when he gave his

319

00:19:33,820 --> 00:19:29,269

inaugural address he said that we would

320

00:19:36,190 --> 00:19:33,830

as a nation interact with others in the

321

00:19:38,440 --> 00:19:36,200

world rather they meant us well or

322

00:19:43,210 --> 00:19:38,450

rather they meant us evil that as a

323

00:19:48,100 --> 00:19:43,220

nation we would pay any price bear any

324

00:19:55,119 --> 00:19:48,110

burden and meet any challenge well ten

325

00:19:57,580 --> 00:19:55,129

years ago on 911 we had to be introduced

326

00:20:01,509 --> 00:19:57,590

to ourselves again and to face the

327

00:20:04,350 --> 00:20:01,519

adversity of that moment and since that

328

00:20:09,100 --> 00:20:04,360

point some two million have served in

329

00:20:11,980 --> 00:20:09,110

war zones these are two million

330

00:20:16,239 --> 00:20:11,990

Americans who have volunteered on behalf

331

00:20:19,690 --> 00:20:16,249

of their country over 6,000 have lost

332

00:20:24,519 --> 00:20:19,700

their lives tens of thousands have been

333

00:20:29,169 --> 00:20:24,529

injured the over 500,000 who have filed

334

00:20:33,629 --> 00:20:29,179

for various types of disability veterans

335

00:20:38,289 --> 00:20:33,639

disability claims we have spent and

336

00:20:44,200 --> 00:20:38,299

invested in these efforts significant

337

00:20:49,710 --> 00:20:44,210

sums of the public treasury so it's

338

00:20:53,049 --> 00:20:49,720

clear that those words spoken in 1961

339

00:20:56,109 --> 00:20:53,059

still resonate in the American soul that

340

00:20:59,680 --> 00:20:56,119

is that we are prepared to pay the price

341

00:21:02,409 --> 00:20:59,690

and the bear the burden but I want to

342

00:21:04,779 --> 00:21:02,419

focus for a minute on NASA's role I have

343

00:21:06,999 --> 00:21:04,789

a friend here with the chief

344

00:21:08,619 --> 00:21:07,009

technologist I understand he's trying to

345

00:21:13,119 --> 00:21:08,629

retire mr. administrator we should keep

346

00:21:16,149 --> 00:21:13,129

them here but I want those who are

347

00:21:19,590 --> 00:21:16,159

engaged here at NASA to think and

348

00:21:24,720 --> 00:21:19,600

reflect for a minute about NASA's role

349

00:21:29,169 --> 00:21:24,730

because in our predator drone program

350

00:21:33,899 --> 00:21:29,179

their Aeronautics and technological

351  
00:21:36,280 --> 00:21:33,909  
advances that begin here at NASA and the

352  
00:21:40,300 --> 00:21:36,290  
helicopters that went into a

353  
00:21:43,750 --> 00:21:40,310  
a sovereign country to go after Osama

354  
00:21:46,090 --> 00:21:43,760  
bin Laden as the president promised

355  
00:21:49,630 --> 00:21:46,100  
during his campaign and follow through

356  
00:21:52,990 --> 00:21:49,640  
that if we had actionable information we

357  
00:21:56,410 --> 00:21:53,000  
would go wherever the trail of evidence

358  
00:21:58,920 --> 00:21:56,420  
took us to get bin Laden in on those

359  
00:22:03,180 --> 00:21:58,930  
helicopters there was technology that

360  
00:22:06,570 --> 00:22:03,190  
began in its infancy here at NASA that

361  
00:22:09,240 --> 00:22:06,580  
when we saw the first responders

362  
00:22:13,840 --> 00:22:09,250  
responded to pentagonal in New York

363  
00:22:16,510 --> 00:22:13,850

those the fire protective gear day war

364

00:22:19,450 --> 00:22:16,520

were developed in conjunction with a

365

00:22:22,150 --> 00:22:19,460

project between NASA and FEMA and the

366

00:22:25,780 --> 00:22:22,160

firefighters so that our first

367

00:22:29,350 --> 00:22:25,790

responders can be better protected when

368

00:22:31,300 --> 00:22:29,360

we look at the the machinery that was

369

00:22:35,230 --> 00:22:31,310

used to cut through the rebel the search

370

00:22:40,590 --> 00:22:35,240

for survivors the life shears again

371

00:22:44,890 --> 00:22:40,600

developed in a partnership as is NASA's

372

00:22:47,650 --> 00:22:44,900

normal mode of operation in a

373

00:22:52,480 --> 00:22:47,660

partnership with a private sector

374

00:22:58,570 --> 00:22:52,490

company to develop the the ability to

375

00:23:01,990 --> 00:22:58,580

use NASA's technological superiority to

376

00:23:04,180 --> 00:23:02,000

help meet the challenges and that is

377

00:23:10,000 --> 00:23:04,190

used they was used in Oklahoma City

378

00:23:12,430 --> 00:23:10,010

bombing was used in New York and 911 so

379

00:23:15,550 --> 00:23:12,440

nASA has played an important role and

380

00:23:18,010 --> 00:23:15,560

you're going to hear from a Frank a

381

00:23:20,560 --> 00:23:18,020

little bit later on so I don't steal his

382

00:23:25,570 --> 00:23:20,570

thunder but you also had a unique view

383

00:23:28,560 --> 00:23:25,580

of what was taking place but anything

384

00:23:32,200 --> 00:23:28,570

and everything connected to this effort

385

00:23:35,710 --> 00:23:32,210

that was focused at dealing with this

386

00:23:39,220 --> 00:23:35,720

challenge there you can find in the work

387

00:23:42,970 --> 00:23:39,230

that nASA has done a role that your work

388

00:23:47,350 --> 00:23:42,980

is played and as we go forward as a

389

00:23:49,990 --> 00:23:47,360

nation as we deal with other challenges

390

00:23:53,710 --> 00:23:50,000

senator Nelson mentioned that

391

00:23:56,740 --> 00:23:53,720

nASA has faced challenges with the loss

392

00:23:58,090 --> 00:23:56,750

of two of our shuttle flights we know

393

00:24:01,260 --> 00:23:58,100

that there have been other terrorist

394

00:24:04,180 --> 00:24:01,270

attacks like at Oklahoma City bombing

395

00:24:06,730 --> 00:24:04,190

you know there have been events in our

396

00:24:08,740 --> 00:24:06,740

country's past and it will be in all

397

00:24:12,610 --> 00:24:08,750

likelihood events that challenge all of

398

00:24:16,330 --> 00:24:12,620

us in our country's future but if we

399

00:24:19,030 --> 00:24:16,340

would just hold firm to what that young

400

00:24:23,260 --> 00:24:19,040

president said that we as a nation have

401  
00:24:26,950 --> 00:24:23,270  
to be prepared to bear the burden to pay

402  
00:24:31,390 --> 00:24:26,960  
the price we can turn tragedy into

403  
00:24:35,680 --> 00:24:31,400  
triumph and we've done that by seeking

404  
00:24:37,960 --> 00:24:35,690  
out those responsible for 911 and you

405  
00:24:41,140 --> 00:24:37,970  
know when the Oklahoma City bombing took

406  
00:24:42,880 --> 00:24:41,150  
place federal installations had to

407  
00:24:45,580 --> 00:24:42,890  
become better protected but they're open

408  
00:24:48,880 --> 00:24:45,590  
for business when the church was bombed

409  
00:24:51,580 --> 00:24:48,890  
the sixteenth street baptist church in

410  
00:24:54,790 --> 00:24:51,590  
birmingham yes precautions had to be

411  
00:24:58,030 --> 00:24:54,800  
taken but baptist churches open up every

412  
00:25:00,400 --> 00:24:58,040  
sunday and the doors are flung wide open

413  
00:25:04,090 --> 00:25:00,410

all across our land when we had the

414

00:25:07,630 --> 00:25:04,100

incident at Columbine High School we

415

00:25:09,280 --> 00:25:07,640

didn't shut our schools down tens of

416

00:25:11,610 --> 00:25:09,290

thousands of schools are open for

417

00:25:14,260 --> 00:25:11,620

business today so that we can develop a

418

00:25:16,840 --> 00:25:14,270

new generation of scientists and

419

00:25:20,350 --> 00:25:16,850

engineers that continue to propel our

420

00:25:24,700 --> 00:25:20,360

nation and NASA forward and so is the

421

00:25:26,260 --> 00:25:24,710

case with the attacks of 911 because no

422

00:25:28,690 --> 00:25:26,270

matter whether the view is from the

423

00:25:31,330 --> 00:25:28,700

space station or the view is right here

424

00:25:34,570 --> 00:25:31,340

on the ground the entire world knows

425

00:25:37,480 --> 00:25:34,580

something with a certainty and that is

426

00:25:40,330 --> 00:25:37,490

10 years out the 911 America is still

427

00:25:43,540 --> 00:25:40,340

open for business we are still a nation

428

00:25:48,220 --> 00:25:43,550

that is committed in every respect to

429

00:25:51,160 --> 00:25:48,230

our ideals and that we as President

430

00:25:56,980 --> 00:25:51,170

Kennedy said rather those who mean us

431

00:25:59,800 --> 00:25:56,990

well or those who mean us evil they

432

00:26:02,620 --> 00:25:59,810

should be aware of our commitment to

433

00:26:03,820 --> 00:26:02,630

ourselves to our nation in two

434

00:26:16,090 --> 00:26:03,830

generations that will

435

00:26:17,860 --> 00:26:16,100

thank you our next speaker is the US

436

00:26:20,529 --> 00:26:17,870

Representative Steven Palazzo of

437

00:26:22,210 --> 00:26:20,539

Mississippi representative Palazzo is

438

00:26:24,100 --> 00:26:22,220

the chairman of the Subcommittee on

439

00:26:25,960 --> 00:26:24,110

space and Aeronautics of the House

440

00:26:28,899 --> 00:26:25,970

Committee on Science Space and

441

00:26:30,490 --> 00:26:28,909

Technology congressman Palazzo was

442

00:26:33,130 --> 00:26:30,500

elected to the US House of

443

00:26:34,570 --> 00:26:33,140

Representatives in 2010 prior to that he

444

00:26:36,509 --> 00:26:34,580

served for three years in the

445

00:26:55,930 --> 00:26:36,519

Mississippi House of Representatives

446

00:26:58,649 --> 00:26:55,940

representative palasa September 11 2001

447

00:27:01,419 --> 00:26:58,659

is a day that forever changed America as

448

00:27:04,360 --> 00:27:01,429

I reflect on that terrible day I feel

449

00:27:07,389 --> 00:27:04,370

the same patriotism and heartache I felt

450

00:27:09,460 --> 00:27:07,399

in I think of the bagpipe processions

451  
00:27:11,590 --> 00:27:09,470  
for firefighters and policemen in New

452  
00:27:14,049 --> 00:27:11,600  
York honoring their the lives of their

453  
00:27:15,879 --> 00:27:14,059  
fallen brothers and sisters I think of

454  
00:27:17,529 --> 00:27:15,889  
the smoke plumes that were visible from

455  
00:27:20,860 --> 00:27:17,539  
the space station the bill it for days

456  
00:27:23,730 --> 00:27:20,870  
over the city and the American flags we

457  
00:27:25,870 --> 00:27:23,740  
all proudly flew in front of our home

458  
00:27:27,779 --> 00:27:25,880  
thoughts from that day still stir

459  
00:27:30,730 --> 00:27:27,789  
emotions that inspire me to serve

460  
00:27:33,310 --> 00:27:30,740  
fortunately for America I'm not the only

461  
00:27:35,200 --> 00:27:33,320  
person that feels this way a decade

462  
00:27:38,230 --> 00:27:35,210  
after the attacks Americans are still

463  
00:27:40,539 --> 00:27:38,240

inspired to serve as our country marched

464

00:27:43,180 --> 00:27:40,549

the ten-year anniversary of the tax on

465

00:27:45,539 --> 00:27:43,190

our nation we remember and we

466

00:27:48,909 --> 00:27:45,549

commemorate the lives lost on that day

467

00:27:50,740 --> 00:27:48,919

we also honor the sacrifices made every

468

00:27:53,289 --> 00:27:50,750

day since then by our military and their

469

00:27:55,450 --> 00:27:53,299

families as our armed forces of taking

470

00:27:57,909 --> 00:27:55,460

the fight to the enemy so the fight is

471

00:28:00,690 --> 00:27:57,919

not in our backyard not since the

472

00:28:04,629 --> 00:28:00,700

greatest generation has so few

473

00:28:06,340 --> 00:28:04,639

sacrificed so much for so many the NASA

474

00:28:08,680 --> 00:28:06,350

family was not immune from these

475

00:28:11,620 --> 00:28:08,690

emotions norther daily responsibilities

476

00:28:14,049 --> 00:28:11,630

and any fashion typical of the history

477

00:28:16,840 --> 00:28:14,059

of this agency it provided hope and

478

00:28:17,710 --> 00:28:16,850

inspiration in moments of crisis the

479

00:28:19,650 --> 00:28:17,720

NASA family

480

00:28:23,050 --> 00:28:19,660

knows that in the pursuit of excellence

481

00:28:25,420 --> 00:28:23,060

tragedy can occur but when it does the

482

00:28:28,450 --> 00:28:25,430

family grieves but always rises up to

483

00:28:30,820 --> 00:28:28,460

even greater heights the International

484

00:28:33,790 --> 00:28:30,830

Space Station captured the images of the

485

00:28:35,710 --> 00:28:33,800

smoke emanating from Ground Zero those

486

00:28:38,920 --> 00:28:35,720

aconnick images conveyed to the world

487

00:28:40,270 --> 00:28:38,930

the depth of the devastation but we must

488

00:28:42,760 --> 00:28:40,280

not forget that in the midst of the

489

00:28:46,150 --> 00:28:42,770

tragedy tragedy the men and women of

490

00:28:48,910 --> 00:28:46,160

NASA kept operations going which is not

491

00:28:51,880 --> 00:28:48,920

an easy thing to do on a normal day let

492

00:28:53,260 --> 00:28:51,890

alone on a day like 911 that day the

493

00:28:55,570 --> 00:28:53,270

International Space Station was

494

00:28:57,940 --> 00:28:55,580

operating overhead as it has done every

495

00:29:01,240 --> 00:28:57,950

day continuously for more than 10 years

496

00:29:03,790 --> 00:29:01,250

and today on another planet our Mars

497

00:29:06,130 --> 00:29:03,800

rover contains aluminum recovery from

498

00:29:08,740 --> 00:29:06,140

the World Trade Center if that is not an

499

00:29:12,460 --> 00:29:08,750

example of rising to new heights nothing

500

00:29:15,430 --> 00:29:12,470

is American knows there are risk going

501  
00:29:19,120 --> 00:29:15,440  
in out of space but on sep tember 11

502  
00:29:20,980 --> 00:29:19,130  
2001 we didn't quite realize that men

503  
00:29:24,160 --> 00:29:20,990  
and women face a terrible risk just

504  
00:29:25,600 --> 00:29:24,170  
going to work or board an airplane but

505  
00:29:27,640 --> 00:29:25,610  
from that terrible day we have all

506  
00:29:30,820 --> 00:29:27,650  
recommitted ourselves toward a common

507  
00:29:34,390 --> 00:29:30,830  
goal to make this nation the greatest of

508  
00:29:36,790 --> 00:29:34,400  
all freer safer and stronger the men and

509  
00:29:39,250 --> 00:29:36,800  
women of NASA continue to contribute to

510  
00:29:40,870 --> 00:29:39,260  
that common objective and I thank you

511  
00:29:50,230 --> 00:29:40,880  
for your efforts god bless you and God

512  
00:29:55,820 --> 00:29:53,990  
our next speaker is mr. Matthew fog mr.

513  
00:29:58,850 --> 00:29:55,830

Fogg retired from the United States

514

00:30:01,450 --> 00:29:58,860

Marshal Service as a chief deputy US

515

00:30:03,950 --> 00:30:01,460

Marshal with 34 years of public service

516

00:30:06,740 --> 00:30:03,960

during a vacation trip to New York City

517

00:30:08,750 --> 00:30:06,750

in September 2001 he selflessly

518

00:30:10,970 --> 00:30:08,760

responded to the attacks on the world

519

00:30:13,310 --> 00:30:10,980

trade center by serving as a first

520

00:30:14,810 --> 00:30:13,320

responder organizing search and rescue

521

00:30:17,720 --> 00:30:14,820

teams and leading the teams of

522

00:30:33,170 --> 00:30:17,730

courageous Americans to find those lost

523

00:30:34,700 --> 00:30:33,180

in the destruction mr. Fong I want to

524

00:30:37,130 --> 00:30:34,710

first thank NASA Administrator Charles

525

00:30:39,680 --> 00:30:37,140

Bolden and miss Ruth McWilliams for

526

00:30:41,840 --> 00:30:39,690

presenting this heartfelt memorial to

527

00:30:44,480 --> 00:30:41,850

NASA personnel worldwide and honor those

528

00:30:48,320 --> 00:30:44,490

who dedicate their services to America

529

00:30:50,060 --> 00:30:48,330

on sep 10 11 2001 I also want to give

530

00:30:52,250 --> 00:30:50,070

honor to the congressional members

531

00:30:54,320 --> 00:30:52,260

astronauts and other distinguished

532

00:30:56,240 --> 00:30:54,330

persons who are being recognized in this

533

00:30:58,220 --> 00:30:56,250

program I would like to give special

534

00:31:00,520 --> 00:30:58,230

thanks to NASA employee miss Claudia

535

00:31:02,900 --> 00:31:00,530

silver and my world-class organization

536

00:31:06,290 --> 00:31:02,910

colleagues of federally employed women

537

00:31:08,750 --> 00:31:06,300

known as few org our national president

538

00:31:10,580 --> 00:31:08,760

mr. Webster and our national vice

539

00:31:13,970 --> 00:31:10,590

president miss Michelle Crockett who is

540

00:31:16,130 --> 00:31:13,980

here today last but not least i will

541

00:31:17,660 --> 00:31:16,140

give honor to my family and friends who

542

00:31:20,390 --> 00:31:17,670

are here and supported this wonderful

543

00:31:23,480 --> 00:31:20,400

honor by nasa thank you for coming out I

544

00:31:25,760 --> 00:31:23,490

would like to be brief and give my words

545

00:31:28,820 --> 00:31:25,770

the challenge each public servant hear

546

00:31:32,240 --> 00:31:28,830

my voice today and around the world know

547

00:31:35,330 --> 00:31:32,250

that one day you may be called to be

548

00:31:37,310 --> 00:31:35,340

above and beyond the call of duty I took

549

00:31:39,560 --> 00:31:37,320

an oath as the United States marching to

550

00:31:42,650 --> 00:31:39,570

protect and serve against all enemies

551  
00:31:44,510 --> 00:31:42,660  
foreign or domestic but like any other

552  
00:31:46,430 --> 00:31:44,520  
federal employee I was on special leave

553  
00:31:49,100 --> 00:31:46,440  
that day and having traveled from

554  
00:31:52,880 --> 00:31:49,110  
Washington DC to New York on personal

555  
00:31:55,250 --> 00:31:52,890  
business we all know the morning of

556  
00:31:57,890 --> 00:31:55,260  
septum 11 changed Americans forever as

557  
00:31:59,810 --> 00:31:57,900  
terrorists flew passenger Airlines into

558  
00:32:02,360 --> 00:31:59,820  
both the North and South towels over

559  
00:32:05,000 --> 00:32:02,370  
World Trade Centers I was just 48 blocks

560  
00:32:07,310 --> 00:32:05,010  
north residing in a hotel and amazingly

561  
00:32:10,520 --> 00:32:07,320  
one block from the fire station that

562  
00:32:13,940 --> 00:32:10,530  
lost the most five firefighters 16 on

563  
00:32:15,920 --> 00:32:13,950

that day and all I was in my room when I

564

00:32:18,170 --> 00:32:15,930

observed incidental television news

565

00:32:20,210 --> 00:32:18,180

thinking it was a training tape this

566

00:32:22,910 --> 00:32:20,220

couldn't be happening realizing it was

567

00:32:25,490 --> 00:32:22,920

real I ran outside to see many folks

568

00:32:27,110 --> 00:32:25,500

hollering and running down the street

569

00:32:30,290 --> 00:32:27,120

pointing at the World Trade service

570

00:32:33,230 --> 00:32:30,300

towers at the time only one tower was

571

00:32:34,880 --> 00:32:33,240

burning and the fire department the next

572

00:32:37,580 --> 00:32:34,890

block in the next block had responded

573

00:32:40,900 --> 00:32:37,590

already I went back to my room and then

574

00:32:43,190 --> 00:32:40,910

I saw another plane and we all saw on TV

575

00:32:45,800 --> 00:32:43,200

appear out of nowhere and crashed

576

00:32:48,200 --> 00:32:45,810

through the second tower later both the

577

00:32:49,990 --> 00:32:48,210

North and the South towers collapsed and

578

00:32:52,490 --> 00:32:50,000

what I called an unimaginable

579

00:32:55,990 --> 00:32:52,500

catastrophic cloud of fire and smoke I

580

00:32:58,490 --> 00:32:56,000

realized many fathers mothers children

581

00:33:01,250 --> 00:32:58,500

firefighters and police were now dead or

582

00:33:03,350 --> 00:33:01,260

dying people everywhere was saying the

583

00:33:05,690 --> 00:33:03,360

United States is under attack the news

584

00:33:07,640 --> 00:33:05,700

were sketchy at best i received a brief

585

00:33:10,130 --> 00:33:07,650

comb phone call from a friend who told

586

00:33:13,130 --> 00:33:10,140

me they evacuated the US Capitol

587

00:33:15,470 --> 00:33:13,140

suddenly the line went dead I was unable

588

00:33:17,690 --> 00:33:15,480

to make any phone calls and learn later

589

00:33:20,810 --> 00:33:17,700

via News another plane that crashed into

590

00:33:24,200 --> 00:33:20,820

the Pentagon I suddenly began to feel

591

00:33:27,080 --> 00:33:24,210

sick and burning desire in my stomach to

592

00:33:29,090 --> 00:33:27,090

help those in peril I located an army

593

00:33:31,280 --> 00:33:29,100

surplus store not far from my hotel and

594

00:33:34,280 --> 00:33:31,290

bought black army military clothing and

595

00:33:36,770 --> 00:33:34,290

equipment ultimately I began to make my

596

00:33:39,620 --> 00:33:36,780

way down to the destruction opposite of

597

00:33:43,370 --> 00:33:39,630

those running it and the other way I'm

598

00:33:45,320 --> 00:33:43,380

fiance begin to cry and asked me why are

599

00:33:48,680 --> 00:33:45,330

you going down there it's way too

600

00:33:50,930 --> 00:33:48,690

dangerous you are your own special leave

601  
00:33:54,680 --> 00:33:50,940  
and I'm not prepared for that disaster

602  
00:33:57,230 --> 00:33:54,690  
she said Matthew you could die and at

603  
00:34:00,770 --> 00:33:57,240  
the time I said to her tell my family

604  
00:34:03,680 --> 00:34:00,780  
that what I'm now doing is above and

605  
00:34:05,690 --> 00:34:03,690  
beyond the call of duty and so ten years

606  
00:34:08,240 --> 00:34:05,700  
later I want each person listening to me

607  
00:34:10,460 --> 00:34:08,250  
know that when you get that call that

608  
00:34:13,050 --> 00:34:10,470  
someone is in need and you don't have to

609  
00:34:16,320 --> 00:34:13,060  
take the action please remember

610  
00:34:19,350 --> 00:34:16,330  
in 911 we didn't have to go in and help

611  
00:34:21,630 --> 00:34:19,360  
either but we went in above and beyond

612  
00:34:25,470 --> 00:34:21,640  
the call of duty arriving and what I

613  
00:34:27,600 --> 00:34:25,480

call is what we call the zone as ground

614

00:34:29,880 --> 00:34:27,610

zero the destruction smoke and flames

615

00:34:32,520 --> 00:34:29,890

were breathtaking I didn't know where to

616

00:34:34,980 --> 00:34:32,530

start TV depictions were impossible to

617

00:34:37,260 --> 00:34:34,990

show actual dimensions of all the huge

618

00:34:41,160 --> 00:34:37,270

build buildings crumbling into one huge

619

00:34:44,220 --> 00:34:41,170

area it was surreal I kept repeating the

620

00:34:45,600 --> 00:34:44,230

Psalms 23 yea though I walk through the

621

00:34:49,530 --> 00:34:45,610

valley of the shadow of death I shall

622

00:34:52,800 --> 00:34:49,540

fear no evil for thou rod and thy staff

623

00:34:55,800 --> 00:34:52,810

they comfort me we were seeking to find

624

00:34:58,770 --> 00:34:55,810

anyone alive I remember vividly a

625

00:35:00,960 --> 00:34:58,780

firefighter was rescued myself many

626

00:35:02,880 --> 00:35:00,970

responders started clapping when he came

627

00:35:05,280 --> 00:35:02,890

out of lab later we observed our

628

00:35:08,520 --> 00:35:05,290

excitement was depicted in a news photo

629

00:35:10,470 --> 00:35:08,530

I remember early clearly on one occasion

630

00:35:12,480 --> 00:35:10,480

myself and other searches were actually

631

00:35:14,280 --> 00:35:12,490

tied together with ropes at least 50

632

00:35:17,190 --> 00:35:14,290

feet on the ground and a large wide

633

00:35:19,710 --> 00:35:17,200

space calling for anyone to respond if

634

00:35:22,530 --> 00:35:19,720

they were alive sudden we heard a call

635

00:35:25,410 --> 00:35:22,540

from other rescue workers that part of

636

00:35:27,690 --> 00:35:25,420

the building was collapsing there was

637

00:35:29,400 --> 00:35:27,700

nowhere to go if the building had

638

00:35:32,640 --> 00:35:29,410

collapsed I'm certain I would have died

639

00:35:36,450 --> 00:35:32,650

I actually said Lord Jesus into thy

640

00:35:39,600 --> 00:35:36,460

hands I commit my spirit I begin to

641

00:35:42,030 --> 00:35:39,610

continue to look around everyone please

642

00:35:44,730 --> 00:35:42,040

repeat after me above and beyond the

643

00:35:46,440 --> 00:35:44,740

call of duty I stayed in his own area

644

00:35:49,200 --> 00:35:46,450

for about five days during that time

645

00:35:51,420 --> 00:35:49,210

bodies were recovered and a few more

646

00:35:53,880 --> 00:35:51,430

people were rescued and some respondents

647

00:35:56,190 --> 00:35:53,890

were hurt conducting searches but it was

648

00:35:59,490 --> 00:35:56,200

work that called on a special breed of

649

00:36:01,500 --> 00:35:59,500

men and women we must also think the

650

00:36:04,260 --> 00:36:01,510

doctors the nurses and all the food and

651  
00:36:07,140 --> 00:36:04,270  
supply personnel who responded people's

652  
00:36:09,710 --> 00:36:07,150  
Weekly magazine coined the phrase best

653  
00:36:11,880 --> 00:36:09,720  
when it titled it America unites

654  
00:36:13,590 --> 00:36:11,890  
amazingly they captured a picture of me

655  
00:36:15,990 --> 00:36:13,600  
assisting firefighters were covering the

656  
00:36:18,390 --> 00:36:16,000  
body of a New York firefighter who paid

657  
00:36:20,640 --> 00:36:18,400  
the ultimate price above and beyond the

658  
00:36:24,270 --> 00:36:20,650  
call of duty so in closing let me say

659  
00:36:26,700 --> 00:36:24,280  
this I was not a New Yorker and those

660  
00:36:29,130 --> 00:36:26,710  
people on 911 were strangers to me

661  
00:36:32,339 --> 00:36:29,140  
but they were loved ones too many and

662  
00:36:35,099 --> 00:36:32,349  
others and may be of some of you that

663  
00:36:37,410 --> 00:36:35,109

are here today just remember you don't

664

00:36:38,880 --> 00:36:37,420

have to be at Ground Zero to know God

665

00:36:42,329 --> 00:36:38,890

has placed the calling on your life

666

00:36:45,359 --> 00:36:42,339

today so at the direction of my voice if

667

00:36:48,960 --> 00:36:45,369

ever you know someone in need regardless

668

00:36:51,450 --> 00:36:48,970

of the race gender age color just as you

669

00:36:56,070 --> 00:36:51,460

know and now nanami for helping others

670

00:36:59,370 --> 00:36:56,080

on 911 whom I didn't know I now ask you

671

00:37:02,640 --> 00:36:59,380

to be willing to go above and beyond the

672

00:37:05,430 --> 00:37:02,650

call of duty to help them as we all did

673

00:37:07,140 --> 00:37:05,440

on that dreadful day and be the first

674

00:37:28,700 --> 00:37:07,150

respondent god bless you and God bless

675

00:37:33,530 --> 00:37:31,020

introducing our final guest speaker is

676  
00:37:36,120 --> 00:37:33,540  
NASA deputy administrator lori garver

677  
00:37:37,950 --> 00:37:36,130  
deputy administrator Garver began her

678  
00:37:40,740 --> 00:37:37,960  
current service to NASA in july two

679  
00:37:42,780 --> 00:37:40,750  
thousand nine her US Senate confirmation

680  
00:37:45,000 --> 00:37:42,790  
marks the second time she has worked for

681  
00:37:48,420 --> 00:37:45,010  
NASA the first period of service being

682  
00:37:49,800 --> 00:37:48,430  
from 1996 to 2001 when she served a

683  
00:37:51,810 --> 00:37:49,810  
special assistant to the NASA

684  
00:37:54,050 --> 00:37:51,820  
Administrator an associate administrator

685  
00:38:02,340 --> 00:37:54,060  
for the office of policy and plans

686  
00:38:04,560 --> 00:38:02,350  
deputy administrator Garver Thank You

687  
00:38:07,860 --> 00:38:04,570  
Kiki and thank you mr. is very

688  
00:38:10,320 --> 00:38:07,870

meaningful it is an honor to introduce

689

00:38:13,140 --> 00:38:10,330

the only American who was not on earth

690

00:38:15,660 --> 00:38:13,150

on sep tember 11th in 2001 and to have

691

00:38:18,090 --> 00:38:15,670

him speak to us today and while Frank

692

00:38:20,850 --> 00:38:18,100

culverson bore unique witness to that

693

00:38:24,300 --> 00:38:20,860

tragedy NASA responded in many ways and

694

00:38:27,540 --> 00:38:24,310

we continued to pay tribute to the 911

695

00:38:30,090 --> 00:38:27,550

victims and their families immediately

696

00:38:32,130 --> 00:38:30,100

after the attacks NASA science programs

697

00:38:34,770 --> 00:38:32,140

were called into action on behalf of the

698

00:38:37,020 --> 00:38:34,780

nation the agency worked with FEMA to

699

00:38:39,210 --> 00:38:37,030

fly sensors over the affected areas on

700

00:38:41,700 --> 00:38:39,220

aircraft looking for aerial contaminants

701  
00:38:45,720 --> 00:38:41,710  
as well as satellite resources to

702  
00:38:47,520 --> 00:38:45,730  
monitor from above NASA flew 6,000 flags

703  
00:38:49,200 --> 00:38:47,530  
on endeavors next space shuttle flight

704  
00:38:51,000 --> 00:38:49,210  
to honor the Vixen victims of the

705  
00:38:53,610 --> 00:38:51,010  
attacks as well as their families a

706  
00:38:55,350 --> 00:38:53,620  
thousands of brave men and women who

707  
00:38:58,530 --> 00:38:55,360  
contributed to the relief and recovery

708  
00:39:00,570 --> 00:38:58,540  
efforts I think we have someone else to

709  
00:39:02,610 --> 00:39:00,580  
give her flag to today in an effort

710  
00:39:04,170 --> 00:39:02,620  
called flags for heroes and families

711  
00:39:06,090 --> 00:39:04,180  
students working at the Johnson Space

712  
00:39:08,130 --> 00:39:06,100  
Center in Houston assembled

713  
00:39:10,530 --> 00:39:08,140

commemorative packages including those

714

00:39:12,630 --> 00:39:10,540

u.s. flags flown in space which were

715

00:39:15,740 --> 00:39:12,640

then presented to the relatives of the

716

00:39:18,420 --> 00:39:15,750

victims on national flag day in 2002

717

00:39:19,770 --> 00:39:18,430

last februari the contributions of NASA

718

00:39:22,950 --> 00:39:19,780

and the Kennedy Space Center were

719

00:39:25,950 --> 00:39:22,960

stitched into the fabric of the National

720

00:39:29,250 --> 00:39:25,960

911 flag which was recovered near Ground

721

00:39:33,000 --> 00:39:29,260

Zero following the attacks and at this

722

00:39:37,080 --> 00:39:33,010

very moment as representative Palazzo

723

00:39:39,150 --> 00:39:37,090

reminded us on the dusty red surface of

724

00:39:41,940 --> 00:39:39,160

the planet Mars a piece of the metal of

725

00:39:44,490 --> 00:39:41,950

the World Trade Center is protecting the

726

00:39:46,800 --> 00:39:44,500

drilling mechanism of the opportunity

727

00:39:49,110 --> 00:39:46,810

rover and has been doing so for more

728

00:39:51,120 --> 00:39:49,120

than seven years I just found out about

729

00:39:54,290 --> 00:39:51,130

the story a few weeks ago when visiting

730

00:39:57,930 --> 00:39:54,300

New York with the sts-135 crew and

731

00:40:01,380 --> 00:39:57,940

meaning with employees of a company

732

00:40:03,750 --> 00:40:01,390

called honeybee robotics they're based

733

00:40:05,430 --> 00:40:03,760

in manhattan new york and they just told

734

00:40:06,750 --> 00:40:05,440

me that they felt they wanted to do

735

00:40:08,640 --> 00:40:06,760

something in the weeks following the

736

00:40:12,900 --> 00:40:08,650

tragedy they called the mayor's office

737

00:40:15,270 --> 00:40:12,910

and eventually received a box of debris

738

00:40:18,990 --> 00:40:15,280

and metal from the World Trade Center

739

00:40:20,730 --> 00:40:19,000

towers in a gesture and a tribute to the

740

00:40:23,040 --> 00:40:20,740

victims and survivors they on their own

741

00:40:25,380 --> 00:40:23,050

decided to adorn those metal pieces with

742

00:40:27,450 --> 00:40:25,390

the American flag and they included them

743

00:40:30,870 --> 00:40:27,460

as a functional part of the Spirit and

744

00:40:35,850 --> 00:40:30,880

Opportunity Rovers it is now a symbol

745

00:40:38,820 --> 00:40:35,860

that our American spirit prevails the

746

00:40:41,490 --> 00:40:38,830

only American who was not on earth on

747

00:40:44,280 --> 00:40:41,500

September 11 2001 wrote a letter

748

00:40:48,090 --> 00:40:44,290

describing his reaction to the unfolding

749

00:40:50,100 --> 00:40:48,100

tragedy at the time he said other than

750

00:40:51,960 --> 00:40:50,110

the emotional impact of our country

751  
00:40:53,760 --> 00:40:51,970  
being attacked and thousands of our

752  
00:40:56,340 --> 00:40:53,770  
citizens and maybe some friends being

753  
00:41:00,530 --> 00:40:56,350  
killed the most overwhelming feeling

754  
00:41:03,120 --> 00:41:00,540  
being where I am is one of isolation

755  
00:41:05,550 --> 00:41:03,130  
while I think we all experienced a bit

756  
00:41:09,630 --> 00:41:05,560  
of isolation at that time within a few

757  
00:41:12,480 --> 00:41:09,640  
hours we had the opportunity to go see

758  
00:41:14,850 --> 00:41:12,490  
our families and to hug our children and

759  
00:41:17,600 --> 00:41:14,860  
hold them in our arms and you had no

760  
00:41:21,150 --> 00:41:17,610  
such opportunity and I cannot imagine

761  
00:41:23,670 --> 00:41:21,160  
how you were able to respond in the way

762  
00:41:25,350 --> 00:41:23,680  
that you did while circling the Earth

763  
00:41:27,960 --> 00:41:25,360

you had the presence of mind to grab a

764

00:41:30,000 --> 00:41:27,970

video camera to document from this

765

00:41:32,880 --> 00:41:30,010

unique vantage point the destruction

766

00:41:35,280 --> 00:41:32,890

that was occurring below in his photos

767

00:41:37,020 --> 00:41:35,290

and memories of that day they have

768

00:41:40,650 --> 00:41:37,030

become an important part of our history

769

00:41:42,750 --> 00:41:40,660

and in our healing Frank Kohler son has

770

00:41:46,650 --> 00:41:42,760

had an 18-year career as a NASA

771

00:41:48,600 --> 00:41:46,660

astronaut logging over 144 days in space

772

00:41:51,780 --> 00:41:48,610

the Space Shuttle commander pilot and

773

00:41:54,000 --> 00:41:51,790

station crew member retired from NASA in

774

00:41:56,250 --> 00:41:54,010

2002 and is now senior vice president

775

00:41:58,080 --> 00:41:56,260

and deputy general manager with orbital

776

00:42:01,440 --> 00:41:58,090

sciences corporation one of our key

777

00:42:03,660 --> 00:42:01,450

industry partners how appropriate is

778

00:42:06,510 --> 00:42:03,670

that Frank's experience offered us a

779

00:42:10,500 --> 00:42:06,520

unique perspective on this terrible

780

00:42:12,810 --> 00:42:10,510

event after all that is what we do we

781

00:42:15,780 --> 00:42:12,820

provide a unique and important

782

00:42:19,230 --> 00:42:15,790

perspective on our nation our planet and

783

00:42:21,060 --> 00:42:19,240

our universe thank you Frank for joining

784

00:42:39,580 --> 00:42:21,070

us at this important event roll the

785

00:42:39,590 --> 00:42:45,460

Mordy then

786

00:43:09,810 --> 00:42:54,250

you are to me you keep away from a lil

787

00:43:28,890 --> 00:43:09,820

bit what's go on but they wanted me for

788

00:43:32,130 --> 00:43:28,900

a major I only pray

789

00:43:41,440 --> 00:43:32,140

the way soon

790

00:43:41,450 --> 00:43:50,870

and the sun will rise on one more day

791

00:43:53,990 --> 00:43:52,490

I didn't know exactly what was happening

792

00:43:56,450 --> 00:43:54,000

but I knew it was really bad because

793

00:43:58,609 --> 00:43:56,460

there was a big cloud of debris covering

794

00:44:01,009 --> 00:43:58,619

Manhattan we flew past New York City and

795

00:44:02,779 --> 00:44:01,019

far the effects of that attack on that

796

00:44:04,549 --> 00:44:02,789

fitting that's why I really became

797

00:44:08,960 --> 00:44:04,559

painful because it was like seeing a

798

00:44:12,049 --> 00:44:08,970

wound in the side of of your country of

799

00:44:14,200 --> 00:44:12,059

your family your friends I was visiting

800

00:44:17,059 --> 00:44:14,210

Williamsburg and there was a veteran

801  
00:44:18,710 --> 00:44:17,069  
touring the grounds he need a little

802  
00:44:19,970 --> 00:44:18,720  
help up one of the sets of steps in saw

803  
00:44:21,769 --> 00:44:19,980  
helped him a little bit and we started

804  
00:44:24,440 --> 00:44:21,779  
talking and I told him I had seen the

805  
00:44:25,849 --> 00:44:24,450  
attack on Afghanistan from above then I

806  
00:44:29,930 --> 00:44:25,859  
told him I was the commander of the

807  
00:44:31,670 --> 00:44:29,940  
space station and he immediately started

808  
00:44:34,339 --> 00:44:31,680  
asking questions and wanted to know more

809  
00:44:36,710 --> 00:44:34,349  
this is a guy who lost part of the use

810  
00:44:38,720 --> 00:44:36,720  
of an arm he's lost both his legs his

811  
00:44:41,240 --> 00:44:38,730  
life has changed dramatically however

812  
00:44:42,710 --> 00:44:41,250  
the first thing he said to me is that's

813  
00:44:44,269 --> 00:44:42,720

one of the best things we're doing we

814

00:44:46,519 --> 00:44:44,279

have to work together internationally I

815

00:44:48,259 --> 00:44:46,529

will never solve all these problems the

816

00:44:49,789 --> 00:44:48,269

young men and women that are putting

817

00:44:51,890 --> 00:44:49,799

their lives on the line in Afghanistan

818

00:44:53,839 --> 00:44:51,900

and Iraq and other places around the

819

00:44:56,359 --> 00:44:53,849

world to ensure that this doesn't happen

820

00:44:59,240 --> 00:44:56,369

again and help keep us free are the real

821

00:45:01,370 --> 00:44:59,250

heroes here I think it's important for

822

00:45:03,499 --> 00:45:01,380

people to continue to learn the lessons

823

00:45:05,690 --> 00:45:03,509

from this and make sure that we are in

824

00:45:08,660 --> 00:45:05,700

fact making ourselves a better country

825

00:45:10,009 --> 00:45:08,670

as a result of it not regressing or

826

00:45:12,650 --> 00:45:10,019

turning inward are changing ourselves

827

00:45:14,150 --> 00:45:12,660

into a society that we won't be proud

828

00:45:17,210 --> 00:45:14,160

pass on to our grandchildren and

829

00:45:20,120 --> 00:45:17,220

great-grandchildren I had the privilege

830

00:45:22,190 --> 00:45:20,130

to talk to a school that was a couple of

831

00:45:23,900 --> 00:45:22,200

blocks away from ground zero

832

00:45:28,359 --> 00:45:23,910

and meet those kids and teachers in

833

00:45:31,849 --> 00:45:28,369

person they were close to ground zero

834

00:45:34,280 --> 00:45:31,859

but they were optimistic and that's our

835

00:45:34,290 --> 00:46:05,910

the Sun Laurel

836

00:46:09,729 --> 00:46:08,140

good morning and thank you very much and

837

00:46:13,390 --> 00:46:09,739

Lori thank you very much for that

838

00:46:16,269 --> 00:46:13,400

introduction that was amazing brought

839

00:46:20,529 --> 00:46:16,279

back a lot of memories as does the the

840

00:46:23,410 --> 00:46:20,539

video every year actually almost every

841

00:46:25,269 --> 00:46:23,420

day I think about what I saw from the

842

00:46:28,029 --> 00:46:25,279

space station on 911 but certainly at

843

00:46:31,239 --> 00:46:28,039

this time of year it comes home to me

844

00:46:33,699 --> 00:46:31,249

and I remember what I felt like I

845

00:46:35,979 --> 00:46:33,709

remember all the people that I

846

00:46:40,209 --> 00:46:35,989

communicated with I remember my

847

00:46:43,179 --> 00:46:40,219

crewmates Mikhail and Vladimir who also

848

00:46:44,469 --> 00:46:43,189

felt the pain of this they were worried

849

00:46:46,749 --> 00:46:44,479

about their own country because they had

850

00:46:49,329 --> 00:46:46,759

already had terrorist attacks in Moscow

851  
00:46:50,739 --> 00:46:49,339  
and other parts of Russia and we all

852  
00:46:52,179 --> 00:46:50,749  
spent a lot of time checking with our

853  
00:46:55,120 --> 00:46:52,189  
families and making sure they were okay

854  
00:46:56,769 --> 00:46:55,130  
and we talked together a lot about the

855  
00:46:59,829 --> 00:46:56,779  
significance of what we had seen and

856  
00:47:01,870 --> 00:46:59,839  
they worked as hard as I did taking

857  
00:47:07,299 --> 00:47:01,880  
photographs and videos of what was

858  
00:47:10,989 --> 00:47:07,309  
happening in in our country and you know

859  
00:47:13,329 --> 00:47:10,999  
as marshal fog said sometime you had to

860  
00:47:14,799 --> 00:47:13,339  
be prepared to do things you didn't

861  
00:47:16,509 --> 00:47:14,809  
expect you ever would have to do I

862  
00:47:18,849 --> 00:47:16,519  
certainly never expected to take

863  
00:47:21,249 --> 00:47:18,859

pictures like that but I also never

864

00:47:22,929 --> 00:47:21,259

expected to have to talk to people on

865

00:47:26,769 --> 00:47:22,939

earth and explain what I had seen and

866

00:47:28,569 --> 00:47:26,779

what it meant to me I talked to hundreds

867

00:47:32,229 --> 00:47:28,579

if not thousands of school children from

868

00:47:33,910 --> 00:47:32,239

space they ask their questions about the

869

00:47:35,829 --> 00:47:33,920

space station and about traveling in

870

00:47:39,339 --> 00:47:35,839

space but they also asked about what I

871

00:47:41,529 --> 00:47:39,349

saw and and how it made me feel so I had

872

00:47:44,620 --> 00:47:41,539

to go over it quite often I talked to

873

00:47:46,779 --> 00:47:44,630

two leaders of countries around the

874

00:47:48,910 --> 00:47:46,789

world who were sympathetic to what had

875

00:47:51,280 --> 00:47:48,920

happened but he wanted to express their

876

00:47:55,480 --> 00:47:51,290

support and ask their questions

877

00:47:57,280 --> 00:47:55,490

when we were doing our physical exams on

878

00:48:00,010 --> 00:47:57,290

that day and I called the ground to

879

00:48:02,560 --> 00:48:00,020

report the results of that dr. Steve

880

00:48:04,990 --> 00:48:02,570

heart came on the line and I said hey

881

00:48:06,610 --> 00:48:05,000

Steve how's it going he said well Frank

882

00:48:08,980 --> 00:48:06,620

we're not having a very good day down

883

00:48:10,960 --> 00:48:08,990

here on earth and my heart stopped for a

884

00:48:13,570 --> 00:48:10,970

moment because just the way he said it I

885

00:48:15,460 --> 00:48:13,580

knew something bad was going on didn't

886

00:48:18,460 --> 00:48:15,470

know if maybe a family member was

887

00:48:21,790 --> 00:48:18,470

seriously ill or worse or NASA had lost

888

00:48:23,860 --> 00:48:21,800

an airplane or somebody and then he

889

00:48:26,530 --> 00:48:23,870

began to describe what had happened at

890

00:48:28,570 --> 00:48:26,540

the World Trade Center and just prior to

891

00:48:29,920 --> 00:48:28,580

the call the plane had hit the Pentagon

892

00:48:32,440 --> 00:48:29,930

and he told me about that and while we

893

00:48:34,240 --> 00:48:32,450

were talking he told me about the

894

00:48:36,370 --> 00:48:34,250

airplane crashing in Pennsylvania and it

895

00:48:38,350 --> 00:48:36,380

was clear to me that we were under

896

00:48:40,470 --> 00:48:38,360

attack and so we did find a camera and

897

00:48:43,060 --> 00:48:40,480

we did look down on New York City

898

00:48:45,430 --> 00:48:43,070

Michael and I both in Vladimir from a

899

00:48:48,100 --> 00:48:45,440

different window and and we recorded

900

00:48:50,800 --> 00:48:48,110

what we saw but it was very painful to

901  
00:48:53,490 --> 00:48:50,810  
see I assume that tens of thousands of

902  
00:48:56,380 --> 00:48:53,500  
people were dying not knowing exactly

903  
00:48:59,410 --> 00:48:56,390  
the situation there what time it was and

904  
00:49:01,570 --> 00:48:59,420  
he approximately but hadn't done the

905  
00:49:05,500 --> 00:49:01,580  
mental math at the time of what time

906  
00:49:07,930 --> 00:49:05,510  
zone we were in but as we zoomed in with

907  
00:49:10,690 --> 00:49:07,940  
the camera you could see the big cloud

908  
00:49:12,760 --> 00:49:10,700  
developing new york city and we were

909  
00:49:14,020 --> 00:49:12,770  
watching the second tower come down we

910  
00:49:15,490 --> 00:49:14,030  
didn't know it at the time i just knew

911  
00:49:19,090 --> 00:49:15,500  
it was getting worse and it looked

912  
00:49:20,770 --> 00:49:19,100  
really bad and traveling five miles a

913  
00:49:23,470 --> 00:49:20,780

second New York goes across the horizon

914

00:49:26,020 --> 00:49:23,480

very quickly and it was along 90 minutes

915

00:49:28,780 --> 00:49:26,030

to come back around and and check out my

916

00:49:30,970 --> 00:49:28,790

country again and see if anything else

917

00:49:33,370 --> 00:49:30,980

was happening and we were very worried

918

00:49:34,960 --> 00:49:33,380

and we talked a lot about what was

919

00:49:37,390 --> 00:49:34,970

really going on and what this meant

920

00:49:40,030 --> 00:49:37,400

during that that long 90 minutes but in

921

00:49:41,560 --> 00:49:40,040

the in that time we also set up every

922

00:49:42,910 --> 00:49:41,570

camera we had and we took as many

923

00:49:45,730 --> 00:49:42,920

pictures as we could we came across

924

00:49:47,830 --> 00:49:45,740

Chicago and looking across the Midwest

925

00:49:50,020 --> 00:49:47,840

went right across purdue where i had a

926  
00:49:51,130 --> 00:49:50,030  
daughter in school and looked down and

927  
00:49:52,750 --> 00:49:51,140  
make sure everything was okay in that

928  
00:49:54,730 --> 00:49:52,760  
area we couldn't see anything in

929  
00:49:56,500 --> 00:49:54,740  
pennsylvania the smoke had already

930  
00:49:58,660 --> 00:49:56,510  
dissipated and i could see all the way

931  
00:50:00,520 --> 00:49:58,670  
to Texas and was making sure there was

932  
00:50:02,260 --> 00:50:00,530  
no smoke down that way where a lot of

933  
00:50:03,470 --> 00:50:02,270  
the family was into the Carolinas where

934  
00:50:07,460 --> 00:50:03,480  
the rest of them were

935  
00:50:09,020 --> 00:50:07,470  
and as we crossed Washington we were

936  
00:50:11,390 --> 00:50:09,030  
directly over the Pentagon and we can

937  
00:50:12,740 --> 00:50:11,400  
look straight down and see the gash in

938  
00:50:14,390 --> 00:50:12,750

the side of the building we could

939

00:50:16,250 --> 00:50:14,400

through the binoculars and the long

940

00:50:18,590 --> 00:50:16,260

lenses to see the lights of the rescue

941

00:50:21,410 --> 00:50:18,600

vehicle ssin we knew it was really bad

942

00:50:23,690 --> 00:50:21,420

there too and then as we went across the

943

00:50:25,670 --> 00:50:23,700

eastern shore doubt over the Atlantic I

944

00:50:27,560 --> 00:50:25,680

could clearly see New York City again

945

00:50:31,550 --> 00:50:27,570

and see the smoke coming towards us and

946

00:50:35,180 --> 00:50:31,560

took some more video and it just it just

947

00:50:39,200 --> 00:50:35,190

really hurt and it was hard to know what

948

00:50:41,450 --> 00:50:39,210

to do next as we circle the earth every

949

00:50:43,580 --> 00:50:41,460

90 minutes and we crossed the US and we

950

00:50:46,010 --> 00:50:43,590

were getting very sporadic pieces of

951  
00:50:48,680 --> 00:50:46,020  
information I look down on the US and

952  
00:50:50,930 --> 00:50:48,690  
normally the earth the earth looks

953  
00:50:52,609 --> 00:50:50,940  
inhabited you know you can see a lot of

954  
00:50:55,070 --> 00:50:52,619  
things happening down here you can see

955  
00:50:56,840 --> 00:50:55,080  
the contrails of all the airliners going

956  
00:50:59,030 --> 00:50:56,850  
across the u.s. and coming from Europe

957  
00:51:01,400 --> 00:50:59,040  
towards the US and all around the world

958  
00:51:05,210 --> 00:51:01,410  
and bottom converge right over Atlanta

959  
00:51:07,400 --> 00:51:05,220  
it seems like but but as we came around

960  
00:51:10,670 --> 00:51:07,410  
about three hours after the attacks

961  
00:51:14,180 --> 00:51:10,680  
began they all disappeared except for

962  
00:51:15,920 --> 00:51:14,190  
one or two one was coming back to

963  
00:51:18,410 --> 00:51:15,930

Washington carrying President Bush and

964

00:51:20,359 --> 00:51:18,420

then there were a few we have 15 s and

965

00:51:23,150 --> 00:51:20,369

f-18s around the country that were

966

00:51:24,680 --> 00:51:23,160

patrolling but that was it they had all

967

00:51:26,750 --> 00:51:24,690

disappeared they've grounded everybody

968

00:51:29,599 --> 00:51:26,760

in just a few hours and that to me was

969

00:51:31,490 --> 00:51:29,609

an amazing sight to see and really drove

970

00:51:33,020 --> 00:51:31,500

home the fact that this was a different

971

00:51:35,599 --> 00:51:33,030

world now and I was going to come home

972

00:51:38,270 --> 00:51:35,609

to a different place not really knowing

973

00:51:41,120 --> 00:51:38,280

for sure when that would be here what it

974

00:51:42,980 --> 00:51:41,130

would be like we just knew would be

975

00:51:45,109 --> 00:51:42,990

different we had to press on with our

976

00:51:46,760 --> 00:51:45,119

mission we had a module that was

977

00:51:48,890 --> 00:51:46,770

arriving in six days that we had to get

978

00:51:51,380 --> 00:51:48,900

safely docked to the station get it

979

00:51:53,420 --> 00:51:51,390

activated we had our own agenda we had

980

00:51:54,859 --> 00:51:53,430

to follow and our own timeline just to

981

00:51:57,620 --> 00:51:54,869

keep the station flying because at that

982

00:52:00,140 --> 00:51:57,630

time it was very small and and somewhat

983

00:52:01,730 --> 00:52:00,150

somewhat fragile we only have one large

984

00:52:04,910 --> 00:52:01,740

solar array in a couple of small ones

985

00:52:07,250 --> 00:52:04,920

and in six modules and just the three of

986

00:52:09,890 --> 00:52:07,260

us up there so we were busy but we kept

987

00:52:11,510 --> 00:52:09,900

working and as you do at times like the

988

00:52:14,150 --> 00:52:11,520

issue compartmentalizing you get the job

989

00:52:15,920 --> 00:52:14,160

done but the best part of it was is I

990

00:52:16,880 --> 00:52:15,930

could tell people on the ground we're

991

00:52:20,140 --> 00:52:16,890

pulling together

992

00:52:23,750 --> 00:52:20,150

and I could tell that the family was was

993

00:52:27,440 --> 00:52:23,760

supporting each other and at the end of

994

00:52:29,330 --> 00:52:27,450

the first day Roy estes came on the on

995

00:52:30,950 --> 00:52:29,340

the line he was a center director at JSC

996

00:52:33,950 --> 00:52:30,960

at the time and he said Frank I want you

997

00:52:35,000 --> 00:52:33,960

to know we've checked on your family and

998

00:52:37,070 --> 00:52:35,010

you're going to talk to your wife in a

999

00:52:39,590 --> 00:52:37,080

few minutes and we checked on your kids

1000

00:52:42,170 --> 00:52:39,600

and and everybody here is committed to

1001  
00:52:44,060 --> 00:52:42,180  
keeping you and Vladimir mikail safe

1002  
00:52:45,440 --> 00:52:44,070  
we're going to make sure your mission

1003  
00:52:47,750 --> 00:52:45,450  
continues and we're going to do our job

1004  
00:52:49,400 --> 00:52:47,760  
down here on earth and I said well it's

1005  
00:52:51,260 --> 00:52:49,410  
got to be pretty restricting Roy he says

1006  
00:52:52,550 --> 00:52:51,270  
it's incredibly distracting Frank but

1007  
00:52:54,500 --> 00:52:52,560  
these people are committed down here

1008  
00:52:57,280 --> 00:52:54,510  
they're going to take care of you I had

1009  
00:52:59,840 --> 00:52:57,290  
no doubt about that I knew that my

1010  
00:53:01,430 --> 00:52:59,850  
Capcom's Barbara and Katie who were

1011  
00:53:03,500 --> 00:53:01,440  
talking to me that day and telling me as

1012  
00:53:06,530 --> 00:53:03,510  
much as they could our flight directors

1013  
00:53:10,220 --> 00:53:06,540

mark fairing mark usage Brian Lonnie

1014

00:53:12,890 --> 00:53:10,230

others our support team TJ creamer Missy

1015

00:53:15,890 --> 00:53:12,900

guard Jesse Gilmore others were taking

1016

00:53:18,140 --> 00:53:15,900

care of us dr. Hart and his medical team

1017

00:53:21,140 --> 00:53:18,150

and the psych support folks watching out

1018

00:53:24,770 --> 00:53:21,150

for the families and it was it was an

1019

00:53:27,140 --> 00:53:24,780

amazing coming together of people who

1020

00:53:28,280 --> 00:53:27,150

knew their jobs they knew what to do but

1021

00:53:29,810 --> 00:53:28,290

they never thought they'd have to do

1022

00:53:32,000 --> 00:53:29,820

this kind of stuff but they figured it

1023

00:53:34,070 --> 00:53:32,010

out later that night I did talk to

1024

00:53:36,320 --> 00:53:34,080

Rebecca and she had talked to every one

1025

00:53:39,830 --> 00:53:36,330

of the kids and they were frightened but

1026

00:53:41,390 --> 00:53:39,840

okay and I said I'm not sure you know

1027

00:53:43,310 --> 00:53:41,400

when we'll be coming back and she said

1028

00:53:46,250 --> 00:53:43,320

it's okay i'm taking care of things here

1029

00:53:49,310 --> 00:53:46,260

and she did and so we kept on with our

1030

00:53:51,500 --> 00:53:49,320

mission the next day I got a call from

1031

00:53:53,990 --> 00:53:51,510

the ground on the secure loop again and

1032

00:53:56,180 --> 00:53:54,000

was talked to harden and TJ got on the

1033

00:53:59,270 --> 00:53:56,190

line he said Frank I got some more bad

1034

00:54:00,650 --> 00:53:59,280

news for you you know I knew with his

1035

00:54:02,990 --> 00:54:00,660

many people is that I know in the

1036

00:54:04,970 --> 00:54:03,000

military and who fly airplanes and work

1037

00:54:06,620 --> 00:54:04,980

in New York City that I probably knew

1038

00:54:08,870 --> 00:54:06,630

somebody who was impacted in some way by

1039

00:54:11,510 --> 00:54:08,880

this and the first one I heard about was

1040

00:54:13,400 --> 00:54:11,520

my classmate chick burlingame class of

1041

00:54:15,260 --> 00:54:13,410

nineteen seventy one from the Naval

1042

00:54:17,600 --> 00:54:15,270

Academy he and I played in the drum will

1043

00:54:19,730 --> 00:54:17,610

be drum and bugle corps together we we

1044

00:54:21,350 --> 00:54:19,740

studied aerospace engineering together

1045

00:54:23,360 --> 00:54:21,360

and we both were a four pilots and

1046

00:54:24,950 --> 00:54:23,370

trained at the same time chick was the

1047

00:54:26,570 --> 00:54:24,960

captain to american airlines flight 77

1048

00:54:29,270 --> 00:54:26,580

that was crashed into the Pentagon

1049

00:54:30,590 --> 00:54:29,280

and I knew he must have gone out

1050

00:54:33,440 --> 00:54:30,600

fighting I didn't know any of the

1051  
00:54:35,690 --> 00:54:33,450  
details but I just envisioned that chick

1052  
00:54:38,170 --> 00:54:35,700  
was a great fighter pilot and I'm sure

1053  
00:54:42,170 --> 00:54:38,180  
that he didn't give up his airplane

1054  
00:54:44,840 --> 00:54:42,180  
readily but it made it very personal at

1055  
00:54:46,340 --> 00:54:44,850  
that point and I started thinking about

1056  
00:54:48,860 --> 00:54:46,350  
how angry I was that this had happened

1057  
00:54:51,890 --> 00:54:48,870  
and taken my friend and taken families

1058  
00:54:54,050 --> 00:54:51,900  
and it was it was a you know you go

1059  
00:54:55,970 --> 00:54:54,060  
through the phases of grief and the

1060  
00:54:58,250 --> 00:54:55,980  
anger came pretty quickly after it

1061  
00:55:00,890 --> 00:54:58,260  
became so personal about four weeks

1062  
00:55:02,270 --> 00:55:00,900  
later I was I was always watching the

1063  
00:55:03,470 --> 00:55:02,280

Middle East because we had heard where

1064

00:55:05,630 --> 00:55:03,480

the attack came from and who was

1065

00:55:07,160 --> 00:55:05,640

responsible and you could always tell

1066

00:55:10,610 --> 00:55:07,170

when you were flying over Afghanistan

1067

00:55:12,230 --> 00:55:10,620

because there were no lights hmm excuse

1068

00:55:13,430 --> 00:55:12,240

me the rest of the Middle East was

1069

00:55:15,500 --> 00:55:13,440

pretty well lit up but not Afghanistan

1070

00:55:17,690 --> 00:55:15,510

and then I was watching one night as we

1071

00:55:19,400 --> 00:55:17,700

flew overhead and I knew something was

1072

00:55:21,380 --> 00:55:19,410

probably going to happen before too long

1073

00:55:22,880 --> 00:55:21,390

as I would watch intently and I saw

1074

00:55:25,130 --> 00:55:22,890

these big flash it start to go off on

1075

00:55:27,440 --> 00:55:25,140

the ground and they were cruise missiles

1076  
00:55:29,120 --> 00:55:27,450  
hidden key targets down there and there

1077  
00:55:31,850 --> 00:55:29,130  
were strings of bombs from the b-52s

1078  
00:55:34,130 --> 00:55:31,860  
going off and I knew that my friends and

1079  
00:55:35,240 --> 00:55:34,140  
colleagues were retaliating I had

1080  
00:55:36,800 --> 00:55:35,250  
classmates who were commanding the

1081  
00:55:39,290 --> 00:55:36,810  
fleet's and commanding the divisions on

1082  
00:55:40,880 --> 00:55:39,300  
the ground and then again it was very

1083  
00:55:43,760 --> 00:55:40,890  
personal but I was very proud of our

1084  
00:55:45,440 --> 00:55:43,770  
troops and what they were doing and so

1085  
00:55:47,030 --> 00:55:45,450  
every opportunity I've had since then I

1086  
00:55:50,120 --> 00:55:47,040  
try to let him know when I see them that

1087  
00:55:52,340 --> 00:55:50,130  
I appreciate their sacrifice the thing I

1088  
00:55:56,030 --> 00:55:52,350

want all you to remember is that we are

1089

00:55:59,380 --> 00:55:56,040

now thanks to that attack as bad as it

1090

00:56:01,970 --> 00:55:59,390

was building another greatest generation

1091

00:56:03,710 --> 00:56:01,980

the men and women who are fighting for

1092

00:56:05,960 --> 00:56:03,720

our freedoms overseas who are making

1093

00:56:08,060 --> 00:56:05,970

sure here in the homeland that we're

1094

00:56:09,710 --> 00:56:08,070

safe in her dealing with this either

1095

00:56:12,530 --> 00:56:09,720

physically or emotionally or

1096

00:56:14,330 --> 00:56:12,540

professionally every day are building a

1097

00:56:16,850 --> 00:56:14,340

capability that will make this country

1098

00:56:20,300 --> 00:56:16,860

stronger all we have to do is tap it and

1099

00:56:22,610 --> 00:56:20,310

let those folks lead we need to overcome

1100

00:56:25,190 --> 00:56:22,620

the politics the partisanship we need to

1101

00:56:27,050 --> 00:56:25,200

remember why this event brought us

1102

00:56:29,540 --> 00:56:27,060

together and why we were able to work so

1103

00:56:31,850 --> 00:56:29,550

well together and let that generation

1104

00:56:33,830 --> 00:56:31,860

come up behind us and take the reins

1105

00:56:36,740 --> 00:56:33,840

because they they have been through a

1106

00:56:38,480 --> 00:56:36,750

trial by fire the folks who survived 911

1107

00:56:39,450 --> 00:56:38,490

the folks who have survived the Global

1108

00:56:41,310 --> 00:56:39,460

War on Terror

1109

00:56:42,570 --> 00:56:41,320

in Afghanistan and Iraq and the folks

1110

00:56:44,760 --> 00:56:42,580

who are taking care of us here at home

1111

00:56:47,010 --> 00:56:44,770

know how to lead so we need to respect

1112

00:56:50,190 --> 00:56:47,020

them and help them do that job better

1113

00:56:52,800 --> 00:56:50,200

and we need to step up and do our part

1114

00:56:54,780 --> 00:56:52,810

to make sure that we all stay safe but

1115

00:56:57,720 --> 00:56:54,790

even more than that that we keep our eye

1116

00:57:00,660 --> 00:56:57,730

on the future and what we're doing here

1117

00:57:02,130 --> 00:57:00,670

at NASA is a great example of proving to

1118

00:57:05,190 --> 00:57:02,140

the rest of the world that you cannot

1119

00:57:06,840 --> 00:57:05,200

hold us back you cannot keep us from

1120

00:57:08,910 --> 00:57:06,850

excelling you cannot keep us from

1121

00:57:12,510 --> 00:57:08,920

pushing our frontiers outward no matter

1122

00:57:14,820 --> 00:57:12,520

what you do we will always excel we will

1123

00:57:17,300 --> 00:57:14,830

always succeed and we will always push

1124

00:57:19,650 --> 00:57:17,310

those frontiers to the next level I

1125

00:57:21,810 --> 00:57:19,660

really appreciate everything everybody

1126  
00:57:23,640 --> 00:57:21,820  
in NASA is doing I certainly appreciate

1127  
00:57:25,770 --> 00:57:23,650  
what everybody did to keep me safe in

1128  
00:57:28,140 --> 00:57:25,780  
orbit to bring me home safely especially

1129  
00:57:30,480 --> 00:57:28,150  
in time for Christmas and I really

1130  
00:57:32,640 --> 00:57:30,490  
appreciate the folks that are fighting

1131  
00:57:37,020 --> 00:57:32,650  
to keep our freedom here at home and

1132  
00:57:39,360 --> 00:57:37,030  
abroad Charlie Lori you've got a great

1133  
00:57:41,940 --> 00:57:39,370  
team here it's great to continue working

1134  
00:57:45,150 --> 00:57:41,950  
with you and it's fantastic to be a part

1135  
00:57:46,620 --> 00:57:45,160  
of this family brothers and sisters you

1136  
00:57:49,650 --> 00:57:46,630  
got a big job ahead of you in the next

1137  
00:57:52,020 --> 00:57:49,660  
few years let's get off this planet for

1138  
00:57:53,640 --> 00:57:52,030

good let's get out into the solar system

1139

00:57:56,100 --> 00:57:53,650

and out into the universe and learn all

1140

00:57:57,810 --> 00:57:56,110

we can about it because as my friend

1141

00:57:59,880 --> 00:57:57,820

Johnny Jones Staff Sergeant United

1142

00:58:00,750 --> 00:57:59,890

States Marine Corps said the only way

1143

00:58:03,360 --> 00:58:00,760

we're going to solve all these problems

1144

00:58:05,130 --> 00:58:03,370

is by international collaboration and

1145

00:58:07,320 --> 00:58:05,140

communication we got to talk to each

1146

00:58:27,920 --> 00:58:07,330

other we've got to show the way thank

1147

00:58:33,150 --> 00:58:30,990

on behalf of the NASA Administrator and

1148

00:58:35,430 --> 00:58:33,160

deputy administrator thank you to both

1149

00:58:36,900 --> 00:58:35,440

the members of the NASA community and to