



1  
00:00:12,390 --> 00:00:10,230  
this week at nasa

2  
00:00:14,549 --> 00:00:12,400  
station houston on space to ground 2

3  
00:00:17,109 --> 00:00:14,559  
dragon will be departing the 30 meter

4  
00:00:19,029 --> 00:00:17,119  
hold momentarily a day after grappling

5  
00:00:20,870 --> 00:00:19,039  
the spacex dragon capsule with the

6  
00:00:23,189 --> 00:00:20,880  
international space station's robotic

7  
00:00:25,670 --> 00:00:23,199  
arm his sensation looks like we got us a

8  
00:00:27,670 --> 00:00:25,680  
dragon by the tail and birthing dragon

9  
00:00:30,470 --> 00:00:27,680  
to the earth-facing port of the harmony

10  
00:00:31,990 --> 00:00:30,480  
module second stage capture is complete

11  
00:00:33,830 --> 00:00:32,000  
the first private spacecraft ever

12  
00:00:35,990 --> 00:00:33,840  
launched and sent to the space station

13  
00:00:37,270 --> 00:00:36,000

is now a visiting vehicle and it it

14

00:00:39,590 --> 00:00:37,280

wouldn't have been possible without

15

00:00:42,150 --> 00:00:39,600

every single one of you on this team the

16

00:00:44,389 --> 00:00:42,160

expedition 31 crew opened the hatch to

17

00:00:47,430 --> 00:00:44,399

the first commercial cargo spacecraft to

18

00:00:49,110 --> 00:00:47,440

visit the iss we all remember the

19

00:00:50,869 --> 00:00:49,120

completion of the transcontinental

20

00:00:53,670 --> 00:00:50,879

railroad which opened up the western

21

00:00:56,150 --> 00:00:53,680

front to the united states and it was

22

00:01:00,470 --> 00:00:56,160

celebrated or commemorated by pounding

23

00:01:02,869 --> 00:01:00,480

in a golden spike and this is kind of

24

00:01:04,469 --> 00:01:02,879

the equivalent of the golden spike i

25

00:01:06,710 --> 00:01:04,479

have a lot of confidence in our future

26

00:01:08,789 --> 00:01:06,720

this is a great first step to move us

27

00:01:09,670 --> 00:01:08,799

forward now with the commercialization

28

00:01:12,149 --> 00:01:09,680

of this

29

00:01:14,310 --> 00:01:12,159

and like don had said earlier i think we

30

00:01:16,789 --> 00:01:14,320

would feel very comfortable in a human

31

00:01:18,950 --> 00:01:16,799

rated vehicle just like this one

32

00:01:21,109 --> 00:01:18,960

following the historic hatch opening

33

00:01:23,350 --> 00:01:21,119

station crew members entered dragon to

34

00:01:25,350 --> 00:01:23,360

begin unloading supplies

35

00:01:26,469 --> 00:01:25,360

the spacex demonstration flight to the

36

00:01:28,630 --> 00:01:26,479

iss

37

00:01:31,749 --> 00:01:28,640

is part of nasa's commercial orbital

38

00:01:34,230 --> 00:01:31,759

transportation services or cots program

39

00:01:36,870 --> 00:01:34,240

which provides investments to stimulate

40

00:01:38,870 --> 00:01:36,880

the commercial space industry in america

41

00:01:41,109 --> 00:01:38,880

under the program spacex and other

42

00:01:43,749 --> 00:01:41,119

companies must successfully complete a

43

00:01:47,910 --> 00:01:43,759

test flight to begin delivering regular

44

00:01:52,630 --> 00:01:50,069

video taken from the international space

45

00:01:55,510 --> 00:01:52,640

station documents the may 20th annual

46

00:01:58,469 --> 00:01:55,520

solar eclipse while flying at about 240

47

00:02:00,550 --> 00:01:58,479

statute miles above earth nasa astronaut

48

00:02:03,109 --> 00:02:00,560

don pettit captured the moon's shadow

49

00:02:04,950 --> 00:02:03,119

being cast on the planet below as the

50

00:02:07,510 --> 00:02:04,960

moon lined up between the sun and the

51  
00:02:10,949 --> 00:02:07,520  
earth this was the first solar eclipse

52  
00:02:15,350 --> 00:02:10,959  
of 2012 the next one a total eclipse is

53  
00:02:20,070 --> 00:02:17,589  
another rare celestial event is just on

54  
00:02:22,229 --> 00:02:20,080  
the horizon a transit of the planet

55  
00:02:23,350 --> 00:02:22,239  
venus across the sun is scheduled for

56  
00:02:25,750 --> 00:02:23,360  
june 5th

57  
00:02:27,670 --> 00:02:25,760  
a transit takes place when a planet

58  
00:02:30,630 --> 00:02:27,680  
passes directly between the sun and the

59  
00:02:33,110 --> 00:02:30,640  
earth in doing so venus will block a

60  
00:02:35,750 --> 00:02:33,120  
portion of the sun much like a solar

61  
00:02:38,869 --> 00:02:35,760  
eclipse by the moon despite being almost

62  
00:02:41,030 --> 00:02:38,879  
four times larger venus is much farther

63  
00:02:44,070 --> 00:02:41,040

away than the moon so the planet will be

64

00:02:46,710 --> 00:02:44,080

seen from earth as a small dark disk

65

00:02:48,949 --> 00:02:46,720

moving slowly across the face of the sun

66

00:02:51,430 --> 00:02:48,959

transits of venus are among the rarest

67

00:02:53,110 --> 00:02:51,440

of predictable astronomical phenomena

68

00:02:56,470 --> 00:02:53,120

occurring in a pattern that repeats

69

00:02:59,270 --> 00:02:56,480

every 243 years with pairs of transits

70

00:03:00,350 --> 00:02:59,280

about 8 years apart separated by long

71

00:03:02,830 --> 00:03:00,360

gaps of

72

00:03:04,949 --> 00:03:02,840

121.5 years and

73

00:03:06,790 --> 00:03:04,959

105.5 years

74

00:03:09,030 --> 00:03:06,800

the most recent transit of venus

75

00:03:11,990 --> 00:03:09,040

happened in june 2004

76

00:03:14,470 --> 00:03:12,000

after 2012 the next transits of venus

77

00:03:18,869 --> 00:03:14,480

will be in december 2117

78

00:03:23,270 --> 00:03:21,270

a set of guidelines developed by nasa to

79

00:03:25,190 --> 00:03:23,280

protect the apollo and other historic

80

00:03:26,710 --> 00:03:25,200

landing sites on the moon will be

81

00:03:29,830 --> 00:03:26,720

followed by contestants in a

82

00:03:31,910 --> 00:03:29,840

google-sponsored competition to space

83

00:03:34,630 --> 00:03:31,920

that agreement in principle comes about

84

00:03:36,949 --> 00:03:34,640

as 26 teams worldwide continue their

85

00:03:39,430 --> 00:03:36,959

plans to build and send robots to the

86

00:03:41,190 --> 00:03:39,440

lunar surface in hopes of claiming a

87

00:03:43,750 --> 00:03:41,200

share of the 30 million dollars in

88

00:03:44,710 --> 00:03:43,760

awards offered by the google lunar x

89

00:03:46,869 --> 00:03:44,720

prize

90

00:03:48,869 --> 00:03:46,879

the first privately funded teams to

91

00:03:51,830 --> 00:03:48,879

safely land a robot on the surface of

92

00:03:54,789 --> 00:03:51,840

the moon have it travel 500 meters over

93

00:03:57,589 --> 00:03:54,799

the lunar surface and send hd video

94

00:04:00,149 --> 00:03:57,599

images and data back to earth will claim

95

00:04:02,789 --> 00:04:00,159

the prizes bonus awards will go to those

96

00:04:05,589 --> 00:04:02,799

imaging the six apollo landing sites and

97

00:04:06,869 --> 00:04:05,599

others including that of nasa's surveyor

98

00:04:09,429 --> 00:04:06,879

spacecraft

99

00:04:15,030 --> 00:04:09,439

all google lunar x prize monies must be

100

00:04:19,590 --> 00:04:17,509

nasa administrator charles bolden was

101  
00:04:21,590 --> 00:04:19,600  
the guest speaker at the second goddard

102  
00:04:23,670 --> 00:04:21,600  
veterans memorial day observance at

103  
00:04:26,150 --> 00:04:23,680  
goddard space flight center

104  
00:04:28,550 --> 00:04:26,160  
bolden and center director chris scolise

105  
00:04:30,710 --> 00:04:28,560  
joined active duty and retired service

106  
00:04:33,670 --> 00:04:30,720  
members to honor those who made the

107  
00:04:36,230 --> 00:04:33,680  
ultimate sacrifice for our country at

108  
00:04:38,790 --> 00:04:36,240  
goddard as you all know we we truly

109  
00:04:41,189 --> 00:04:38,800  
value our diversity it captures a broad

110  
00:04:42,870 --> 00:04:41,199  
understanding of all the things that we

111  
00:04:44,710 --> 00:04:42,880  
are and that we do

112  
00:04:46,870 --> 00:04:44,720  
and it makes goddard a much better place

113  
00:04:48,950 --> 00:04:46,880

and i think it makes nasa and the

114

00:04:50,950 --> 00:04:48,960

country a better place people who every

115

00:04:53,350 --> 00:04:50,960

day put on the uniforms of our armed

116

00:04:55,510 --> 00:04:53,360

forces and risk their lives protecting

117

00:04:56,950 --> 00:04:55,520

the freedoms and liberties of this great

118

00:04:58,790 --> 00:04:56,960

nation of ours

119

00:05:01,270 --> 00:04:58,800

i also know many of us have been

120

00:05:03,749 --> 00:05:01,280

personally touched by the loss of one of

121

00:05:07,189 --> 00:05:03,759

these brave and selfless heroes

122

00:05:09,029 --> 00:05:07,199

so this is also a day where we pause and

123

00:05:11,430 --> 00:05:09,039

honor the memories of members of our own

124

00:05:13,510 --> 00:05:11,440

nasa family who have paid the ultimate

125

00:05:18,150 --> 00:05:13,520

sacrifice in service to this great

126

00:05:22,469 --> 00:05:20,150

the annual event is presented by the

127

00:05:24,550 --> 00:05:22,479

goddard veterans advisory committee

128

00:05:27,270 --> 00:05:24,560

invited guests included members of the

129

00:05:31,350 --> 00:05:27,280

group wounded warriors and the tuskegee

130

00:05:35,749 --> 00:05:33,749

again serving as guest speaker nasa

131

00:05:37,510 --> 00:05:35,759

administrator charles bolden was behind

132

00:05:39,749 --> 00:05:37,520

the lectern at the small business

133

00:05:42,550 --> 00:05:39,759

administration's annual procurement

134

00:05:44,629 --> 00:05:42,560

awards breakfast in washington joined by

135

00:05:46,230 --> 00:05:44,639

glenn delgado the agency's associate

136

00:05:48,629 --> 00:05:46,240

administrator for small business

137

00:05:51,270 --> 00:05:48,639

programs bolden noted the important

138

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

roles played by entrepreneurs and small

139

00:05:56,390 --> 00:05:53,360

businesses not only in fueling the

140

00:05:58,550 --> 00:05:56,400

american economy but also in nasa's past

141

00:06:01,189 --> 00:05:58,560

present and future successes as

142

00:06:03,270 --> 00:06:01,199

envisioned by president obama the event

143

00:06:06,390 --> 00:06:03,280

was held as part of national small

144

00:06:07,909 --> 00:06:06,400

business week

145

00:06:09,270 --> 00:06:07,919

to work on some of the technologies and

146

00:06:11,029 --> 00:06:09,280

some of the human factors that we have

147

00:06:13,430 --> 00:06:11,039

to deal with also in washington at the

148

00:06:15,749 --> 00:06:13,440

global space exploration conference or

149

00:06:18,230 --> 00:06:15,759

glex acting associate administrator

150

00:06:20,390 --> 00:06:18,240

robert lightfoot represented nasa in a

151  
00:06:22,629 --> 00:06:20,400  
round table discussion of international

152  
00:06:23,590 --> 00:06:22,639  
space agency leaders about future

153  
00:06:25,510 --> 00:06:23,600  
missions

154  
00:06:27,990 --> 00:06:25,520  
sponsored by the american institute of

155  
00:06:29,830 --> 00:06:28,000  
aeronautics and astronautics glx

156  
00:06:32,950 --> 00:06:29,840  
brought together senior leaders from the

157  
00:06:34,870 --> 00:06:32,960  
world's major space agencies industry

158  
00:06:37,189 --> 00:06:34,880  
governments academia and

159  
00:06:39,749 --> 00:06:37,199  
non-governmental organizations to

160  
00:06:41,990 --> 00:06:39,759  
exchange ideas and discuss opportunities

161  
00:06:45,029 --> 00:06:42,000  
presented by future human and robotic

162  
00:06:48,230 --> 00:06:45,039  
space exploration

163  
00:06:50,629 --> 00:06:48,240

our this week at nasa answer is this

164

00:06:52,790 --> 00:06:50,639

television game show celebrity is now

165

00:06:54,790 --> 00:06:52,800

hosting a public service announcement

166

00:06:57,430 --> 00:06:54,800

pointing out that much of the technology

167

00:06:59,670 --> 00:06:57,440

we rely on in our daily lives comes from

168

00:07:00,950 --> 00:06:59,680

technologies developed by nasa for space

169

00:07:03,029 --> 00:07:00,960

exploration

170

00:07:05,670 --> 00:07:03,039

the correct response

171

00:07:08,469 --> 00:07:05,680

hello everyone i'm alex trebek who is

172

00:07:10,950 --> 00:07:08,479

jeopardy quiz master alex trebek now

173

00:07:13,909 --> 00:07:10,960

further this week at nasa daily double

174

00:07:16,309 --> 00:07:13,919

the answer trebek's new psa can be seen

175

00:07:19,270 --> 00:07:16,319

on nasa television's nasa tv youtube

176

00:07:21,990 --> 00:07:19,280

page and nasa.gov along with similar

177

00:07:24,629 --> 00:07:22,000

videos featuring which other celebrities

178

00:07:26,950 --> 00:07:24,639

and musicians showing how nasa spin-offs

179

00:07:29,510 --> 00:07:26,960

benefit life here on earth today the

180

00:07:32,230 --> 00:07:29,520

daily double question who are recording

181

00:07:34,390 --> 00:07:32,240

artists will i am nora jones and

182

00:07:35,909 --> 00:07:34,400

comedian stephen colbert

183

00:07:38,150 --> 00:07:35,919

if you'd like to learn more about how

184

00:07:44,710 --> 00:07:38,160

nasa is improving our lives visit

185

00:07:49,830 --> 00:07:47,189

nasa's newest airborne science aircraft

186

00:07:51,749 --> 00:07:49,840

the c-23 sherpa has departed from

187

00:07:52,950 --> 00:07:51,759

wallops flight facility on its first

188

00:07:55,670 --> 00:07:52,960

mission

189

00:07:57,510 --> 00:07:55,680

the flying science platform supports the

190

00:08:00,070 --> 00:07:57,520

carbon and arctic reservoirs

191

00:08:01,589 --> 00:08:00,080

vulnerability experiment or car

192

00:08:03,830 --> 00:08:01,599

headquartered at the jet propulsion

193

00:08:05,830 --> 00:08:03,840

laboratory carve will collect an

194

00:08:08,390 --> 00:08:05,840

integrated set of data to provide

195

00:08:11,110 --> 00:08:08,400

unprecedented insights into arctic

196

00:08:13,510 --> 00:08:11,120

carbon cycling or the release and

197

00:08:17,189 --> 00:08:13,520

absorption of carbon from arctic

198

00:08:19,909 --> 00:08:17,199

ecosystems the c-23 joined nasa's crude

199

00:08:22,469 --> 00:08:19,919

science aircraft fleet in january

200

00:08:24,390 --> 00:08:22,479

expanding the agency's capability to

201  
00:08:25,830 --> 00:08:24,400  
conduct research worldwide besides

202  
00:08:27,749 --> 00:08:25,840  
airborne research you can use it for

203  
00:08:30,230 --> 00:08:27,759  
logistical support for cargo type

204  
00:08:31,990 --> 00:08:30,240  
missions range surveillance recovery

205  
00:08:33,350 --> 00:08:32,000  
operations for a balloon program or

206  
00:08:34,949 --> 00:08:33,360  
sounding rockets

207  
00:08:36,469 --> 00:08:34,959  
or any other type of mission that

208  
00:08:38,870 --> 00:08:36,479  
somebody may be able to think of it's

209  
00:08:41,670 --> 00:08:38,880  
pretty versatile aircraft easy to modify

210  
00:08:44,149 --> 00:08:41,680  
a lot of capability to the plane itself

211  
00:08:49,350 --> 00:08:44,159  
the c-23 will conduct investigations in

212  
00:08:52,949 --> 00:08:51,110  
it wasn't something you see every day

213  
00:08:54,790 --> 00:08:52,959

what looked like a coast guard jet

214

00:08:57,269 --> 00:08:54,800

arriving at nasa's langley research

215

00:08:59,190 --> 00:08:57,279

center in october 2011

216

00:09:01,190 --> 00:08:59,200

but a closer look showed all official

217

00:09:04,389 --> 00:09:01,200

markings gone

218

00:09:05,910 --> 00:09:04,399

that's because the hu-25c guardian which

219

00:09:08,550 --> 00:09:05,920

had been at a coast guard base in cape

220

00:09:12,150 --> 00:09:08,560

cod massachusetts was about to join nasa

221

00:09:13,910 --> 00:09:12,160

langley's fleet in hampton virginia

222

00:09:15,910 --> 00:09:13,920

it took a few months to get the business

223

00:09:18,070 --> 00:09:15,920

jet equivalent ready for its first nasa

224

00:09:20,710 --> 00:09:18,080

airborne mission doing atmospheric

225

00:09:23,590 --> 00:09:20,720

research but changes the coast guard had

226

00:09:25,269 --> 00:09:23,600

made already paid off the aircraft also

227

00:09:27,269 --> 00:09:25,279

has a number of modifications the coast

228

00:09:29,430 --> 00:09:27,279

guard made to the aircraft which we can

229

00:09:31,829 --> 00:09:29,440

adapt for atmospheric science and for

230

00:09:34,310 --> 00:09:31,839

aerospace aeronautical research they

231

00:09:36,630 --> 00:09:34,320

include a removable hatch in the bottom

232

00:09:38,949 --> 00:09:36,640

and oversized windows that can be used

233

00:09:41,190 --> 00:09:38,959

for optical imaging systems

234

00:09:43,990 --> 00:09:41,200

it all adds up to a more versatile plane

235

00:09:46,790 --> 00:09:44,000

for scientific research so this is a big

236

00:09:48,870 --> 00:09:46,800

step forward in capability and power

237

00:09:50,870 --> 00:09:48,880

range altitude speed

238

00:09:53,110 --> 00:09:50,880

and weight that we can carry that we

239

00:09:54,870 --> 00:09:53,120

could not carry before the guardian's

240

00:09:55,910 --> 00:09:54,880

first nasa mission is scheduled for

241

00:09:58,389 --> 00:09:55,920

greenland

242

00:10:02,069 --> 00:09:58,399

but the crew hopes warmer climates are

243

00:10:06,310 --> 00:10:04,069

the annual marshall space flight center

244

00:10:08,389 --> 00:10:06,320

director's breakfast was held at the u.s

245

00:10:10,710 --> 00:10:08,399

space and rocket center the theme of

246

00:10:11,910 --> 00:10:10,720

this year's event people progress

247

00:10:13,670 --> 00:10:11,920

partnership

248

00:10:15,750 --> 00:10:13,680

focused on marshall's accomplishments

249

00:10:18,150 --> 00:10:15,760

over the past year and the center

250

00:10:19,350 --> 00:10:18,160

support of nasa's mission and long-range

251  
00:10:21,750 --> 00:10:19,360  
strategy

252  
00:10:23,509 --> 00:10:21,760  
acting center director gene goldman

253  
00:10:25,910 --> 00:10:23,519  
discussed marshall's activities with

254  
00:10:28,150 --> 00:10:25,920  
community leaders elected officials and

255  
00:10:30,150 --> 00:10:28,160  
industry partners in attendance

256  
00:10:32,630 --> 00:10:30,160  
goldman also handed out marshall center

257  
00:10:34,870 --> 00:10:32,640  
contractor excellence awards given

258  
00:10:37,670 --> 00:10:34,880  
annually to prime contractors

259  
00:10:39,509 --> 00:10:37,680  
subcontractors and suppliers who've made

260  
00:10:41,430 --> 00:10:39,519  
significant contributions to marshall

261  
00:10:43,430 --> 00:10:41,440  
managed nasa projects

262  
00:10:45,990 --> 00:10:43,440  
including development of the agency's

263  
00:10:47,750 --> 00:10:46,000

new space launch system and its support

264

00:11:03,190 --> 00:10:47,760

of the commercial space transportation

265

00:11:07,990 --> 00:11:05,750

my name is fran lawiskrodek

266

00:11:10,550 --> 00:11:08,000

i've been with nasa for this will be my

267

00:11:12,630 --> 00:11:10,560

29th year at nasa

268

00:11:15,190 --> 00:11:12,640

i'm a computer engineer in the i.t

269

00:11:17,509 --> 00:11:15,200

security office here on the lab i work

270

00:11:20,069 --> 00:11:17,519

with a group of people where we protect

271

00:11:21,670 --> 00:11:20,079

the lab labs data that flows through the

272

00:11:23,590 --> 00:11:21,680

computer networks

273

00:11:26,870 --> 00:11:23,600

one of my main responsibilities is the

274

00:11:29,030 --> 00:11:26,880

firewall team lead the firewall protects

275

00:11:29,910 --> 00:11:29,040

the data that comes in and out of the

276

00:11:32,870 --> 00:11:29,920

lab

277

00:11:35,509 --> 00:11:32,880

from the public internet and what i do

278

00:11:37,269 --> 00:11:35,519

with my part is to make sure that the

279

00:11:39,110 --> 00:11:37,279

adequate protections the sufficient

280

00:11:41,590 --> 00:11:39,120

protections are put in place within the

281

00:11:42,790 --> 00:11:41,600

firewall what i like most about working

282

00:11:44,870 --> 00:11:42,800

at nasa

283

00:11:47,430 --> 00:11:44,880

is the people that i've met and worked

284

00:11:49,670 --> 00:11:47,440

with along my way we have such a great

285

00:11:51,670 --> 00:11:49,680

diversity of people people from all

286

00:11:53,910 --> 00:11:51,680

backgrounds different races different

287

00:11:55,509 --> 00:11:53,920

cultures different beliefs and we're all

288

00:11:56,389 --> 00:11:55,519

working together to achieve the same

289

00:11:58,550 --> 00:11:56,399

goal

290

00:12:02,230 --> 00:11:58,560

i graduated from cleveland state

291

00:12:04,949 --> 00:12:02,240

university my major originally was it

292

00:12:07,910 --> 00:12:04,959

was accounting but i found computer

293

00:12:09,670 --> 00:12:07,920

science to come fairly easily i can say

294

00:12:11,430 --> 00:12:09,680

that my parents inspired me the most

295

00:12:15,590 --> 00:12:11,440

when i was growing up

296

00:12:17,190 --> 00:12:15,600

they came here and they had no family so

297

00:12:19,509 --> 00:12:17,200

knowing all those things that they've

298

00:12:20,710 --> 00:12:19,519

had to deal with the differences in the

299

00:12:23,110 --> 00:12:20,720

cultures

300

00:12:25,030 --> 00:12:23,120

that they were able to succeed

301  
00:12:27,030 --> 00:12:25,040  
is what's inspiring to me that i know

302  
00:12:29,269 --> 00:12:27,040  
that i can succeed if i want to try

303  
00:12:30,949 --> 00:12:29,279  
something different

304  
00:12:33,110 --> 00:12:30,959  
what i would say to young people in

305  
00:12:35,350 --> 00:12:33,120  
preparing for a career of their choice

306  
00:12:36,550 --> 00:12:35,360  
is to find the job that they would do

307  
00:12:38,629 --> 00:12:36,560  
for free

308  
00:12:40,550 --> 00:12:38,639  
this would be the job that they would

309  
00:12:42,230 --> 00:12:40,560  
have the passion and it would make them

310  
00:12:44,790 --> 00:12:42,240  
happy in doing it

311  
00:12:46,949 --> 00:12:44,800  
and even better yet is that they could

312  
00:12:49,430 --> 00:12:46,959  
eventually and will be getting paid for

313  
00:12:52,389 --> 00:12:51,430

i believe that this nation should commit

314

00:12:54,310 --> 00:12:52,399

itself

315

00:12:56,389 --> 00:12:54,320

to achieving the goal

316

00:12:58,150 --> 00:12:56,399

before this decade is out

317

00:13:00,710 --> 00:12:58,160

of landing a man on the moon and

318

00:13:04,230 --> 00:13:00,720

returning him safely to the earth 51

319

00:13:05,990 --> 00:13:04,240

years ago on may 25th 1961 president

320

00:13:08,310 --> 00:13:06,000

john f kennedy in a speech before a

321

00:13:10,150 --> 00:13:08,320

special joint session of congress

322

00:13:12,550 --> 00:13:10,160

challenged the nation to set its sights

323

00:13:15,269 --> 00:13:12,560

on sending an american to the moon

324

00:13:16,949 --> 00:13:15,279

so directed nasa ramped up its human

325

00:13:19,269 --> 00:13:16,959

space flight effort starting with

326

00:13:24,310 --> 00:13:19,279

project mercury and continuing on

327

00:13:34,389 --> 00:13:27,350

1

328

00:13:36,550 --> 00:13:34,399

michael collins

329

00:13:38,870 --> 00:13:36,560

neil armstrong and buzz aldrin made

330

00:13:42,230 --> 00:13:38,880

their safe return home after landing on

331

00:13:47,910 --> 00:13:45,670

thirteen years ago on may 29 1999

332

00:13:49,430 --> 00:13:47,920

discovery made the first space shuttle

333

00:13:50,829 --> 00:13:49,440

docking to the international space

334

00:13:53,990 --> 00:13:50,839

station

335

00:13:56,629 --> 00:13:54,000

sts-96 the second flight to the complex

336

00:13:58,870 --> 00:13:56,639

was commanded by kent rominger and was

337

00:14:01,030 --> 00:13:58,880

piloted by rick husband mission

338

00:14:02,629 --> 00:14:01,040

specialists were elon ochoa

339

00:14:05,750 --> 00:14:02,639

tamara jernigan

340

00:14:06,949 --> 00:14:05,760

daniel berry julie payette and valerie

341

00:14:09,150 --> 00:14:06,959

tocare

342

00:14:12,069 --> 00:14:09,160

also on board

343

00:14:15,189 --> 00:14:12,079

3567 pounds of material that included

344

00:14:18,230 --> 00:14:15,199

clothing sleeping bags spare parts

345

00:14:21,430 --> 00:14:18,240

medical equipment supplies hardware and

346

00:14:24,389 --> 00:14:21,440

about 84 gallons of water

347

00:14:26,629 --> 00:14:24,399

and that's this week at nasa for more on

348

00:14:28,870 --> 00:14:26,639

these and other stories or to follow us