1
00:00:02,470 --> 00:00:01,510
five

2
00:00:03,429 --> 00:00:02,480
four

3
00:00:05,829 --> 00:00:03,439
three

4
00:00:09,589 --> 00:00:05,839
two main engine start one

5
00:00:12,709 --> 00:00:09,599
zero and liftoff of the delta ii with

6
00:00:15,030 --> 00:00:12,719
the npp satellite blazing the way a new

7
00:00:21,590 --> 00:00:15,040
technology for climate research and

8
00:00:25,349 --> 00:00:23,429
chamber pressure in the main engine good

9
00:00:27,029 --> 00:00:25,359
crane for pressure in the three

10
00:00:29,269 --> 00:00:27,039
corrections two verniers and good

11
00:00:31,269 --> 00:00:29,279
chamber pressure in all six ground

12
00:00:32,950 --> 00:00:31,279
motors passing 24 seconds into the

13
00:00:34,470 --> 00:00:32,960

flight

14
00:00:40,229 --> 00:00:34,480
pressure beginning to trail off a little

15
00:00:44,630 --> 00:00:42,150
good morning everyone this is our

16
00:00:47,990 --> 00:00:44,640
post-launch news conference for

17
00:00:50,470 --> 00:00:48,000
the delta ii with npp

18
00:00:52,549 --> 00:00:50,480
and here to discuss our

19
00:00:53,750 --> 00:00:52,559
activities for the launch and the

20
00:00:57,270 --> 00:00:53,760
mission

21
00:01:01,349 --> 00:00:57,280
is ken schwier the npp project manager

22
00:01:04,549 --> 00:01:01,359
from nasa's goddard space flight center

23
00:01:09,109 --> 00:01:04,559
jim gleason the npp project scientist

24
00:01:12,870 --> 00:01:11,030
michael fralick the director of the

25
00:01:16,310 --> 00:01:12,880
earth science division at nasa

26
00:01:20,070 --> 00:01:18,390
chuck gay the acting associate

27
00:01:24,230 --> 00:01:20,080
administrator of the science mission

28
00:01:28,950 --> 00:01:26,390
and mary glackin the deputy under

29
00:01:30,870 --> 00:01:28,960
secretary for operations for noaa the

30
00:01:32,950 --> 00:01:30,880
national oceanic and atmospheric

31
00:01:35,270 --> 00:01:32,960
administration

32
00:01:38,710 --> 00:01:35,280
and we'll begin first to talk about the

33
00:01:40,469 --> 00:01:38,720
npp spacecraft with ken schwier ken

34
00:01:42,789 --> 00:01:40,479
uh thank you george

35
00:01:44,710 --> 00:01:42,799
let me first start off by saying uh

36
00:01:47,190 --> 00:01:44,720
yesterday evening when the tower rolled

37
00:01:50,389 --> 00:01:47,200
back and my team got to go out

38
00:01:53,109 --> 00:01:50,399

and look at the delta ii one last time

39
00:01:55,190 --> 00:01:53,119
beautiful sunset lights on her probably

40
00:01:57,590 --> 00:01:55,200
the most perfect weather that you could

41
00:01:59,749 --> 00:01:57,600
have at vandenberg

42
00:02:01,749 --> 00:01:59,759
was a majestic site

43
00:02:03,670 --> 00:02:01,759
we didn't want to leave

44
00:02:06,870 --> 00:02:03,680
of course we know she had to leave soon

45
00:02:10,790 --> 00:02:06,880
but we hung around as long as we could

46
00:02:15,750 --> 00:02:13,830
shortly after uh we separated

47
00:02:17,510 --> 00:02:15,760
uh just a few minutes

48
00:02:19,589 --> 00:02:17,520
we already had acquired the tdrs

49
00:02:21,270 --> 00:02:19,599
communications satellites

50
00:02:22,949 --> 00:02:21,280
and our telemetry our systems were

51
00:02:25,190 --> 00:02:22,959
looking good

52
00:02:26,710 --> 00:02:25,200
the very nervous time and

53
00:02:28,150 --> 00:02:26,720
where you keep your fingers crossed for

54
00:02:29,910 --> 00:02:28,160
the solar ray deploy so you could be

55
00:02:31,509 --> 00:02:29,920
power positive

56
00:02:33,350 --> 00:02:31,519
when extremely well a couple minutes

57
00:02:35,430 --> 00:02:33,360
later

58
00:02:38,470 --> 00:02:35,440
we can see the batteries charging

59
00:02:39,990 --> 00:02:38,480
all the telemetry was looking nominal

60
00:02:42,470 --> 00:02:40,000
we were anxious to have our first

61
00:02:43,990 --> 00:02:42,480
contact over svalbard norway

62
00:02:45,589 --> 00:02:44,000
that went very well

63
00:02:48,390 --> 00:02:45,599

all the systems looked strong

64
00:02:50,630 --> 00:02:48,400
communications looked strong

65
00:02:52,309 --> 00:02:50,640
since then i just received reports that

66
00:02:54,390 --> 00:02:52,319
we have been commanding

67
00:02:56,869 --> 00:02:54,400
through the tdrs satellites

68
00:02:58,630 --> 00:02:56,879
so my stellar mission operations team

69
00:03:01,110 --> 00:02:58,640
back in suitland maryland

70
00:03:05,190 --> 00:03:01,120
at noaa satellite operations facility

71
00:03:06,630 --> 00:03:05,200
is doing the great job i knew they would

72
00:03:08,149 --> 00:03:06,640
talk to a few folks who were at the

73
00:03:09,589 --> 00:03:08,159
viewing site

74
00:03:11,430 --> 00:03:09,599
they said

75
00:03:13,110 --> 00:03:11,440
the sky was absolutely gorgeous they

76
00:03:16,869 --> 00:03:13,120
could see forever

77
00:03:21,509 --> 00:03:19,190
on behalf of my entire team

78
00:03:22,790 --> 00:03:21,519
i truly want to thank the ksc and ula

79
00:03:23,750 --> 00:03:22,800
team

80
00:03:26,550 --> 00:03:23,760
for

81
00:03:29,830 --> 00:03:26,560
just an amazing partnership

82
00:03:33,750 --> 00:03:31,190
couldn't get better

83
00:03:35,270 --> 00:03:33,760
put us exactly where we wanted to be

84
00:03:38,630 --> 00:03:35,280
was smooth

85
00:03:41,190 --> 00:03:38,640
and now the future of npp starts and we

86
00:03:42,710 --> 00:03:41,200
look forward to npp touching the rest of

87
00:03:44,710 --> 00:03:42,720
the world

88
00:03:47,830 --> 00:03:44,720

thank you george

89
00:03:50,070 --> 00:03:47,840
thank you ken and now to jim gleason the

90
00:03:52,309 --> 00:03:50,080
npp project scientist from nasa's

91
00:03:53,990 --> 00:03:52,319
goddard space flight center jim thank

92
00:03:55,589 --> 00:03:54,000
you george

93
00:03:57,990 --> 00:03:55,599
one of the great pleasures of being the

94
00:04:00,070 --> 00:03:58,000
npp project scientist is interacting

95
00:04:01,910 --> 00:04:00,080
with a large and diverse number of

96
00:04:05,589 --> 00:04:01,920
scientists who are going to be using the

97
00:04:08,149 --> 00:04:05,599
npp data and uniformly whenever i work

98
00:04:10,710 --> 00:04:08,159
with these groups land scientists ocean

99
00:04:12,789 --> 00:04:10,720
scientists people doing weather research

100
00:04:14,470 --> 00:04:12,799
forecasters people who want to use the

101
00:04:17,110 --> 00:04:14,480
data for their application

102
00:04:18,069 --> 00:04:17,120
whether it's fires or air quality are

103
00:04:20,469 --> 00:04:18,079
always

104
00:04:21,990 --> 00:04:20,479
uniformly really expected and asking

105
00:04:24,390 --> 00:04:22,000
when are we when are we going to launch

106
00:04:26,469 --> 00:04:24,400
i can't wait to use the data so now that

107
00:04:28,550 --> 00:04:26,479
we've had a successful launch and the

108
00:04:30,070 --> 00:04:28,560
data will start flowing i know we're

109
00:04:32,950 --> 00:04:30,080
going to have thousands of users around

110
00:04:35,189 --> 00:04:32,960
the world who are anxiously waiting to

111
00:04:37,350 --> 00:04:35,199
use npp data for

112
00:04:39,909 --> 00:04:37,360
more applications than i can even think

113
00:04:42,070 --> 00:04:39,919

of so thank you ken

114
00:04:44,950 --> 00:04:42,080
for your wonderful engineering team and

115
00:04:46,310 --> 00:04:44,960
and thank you the for once again to echo

116
00:04:48,710 --> 00:04:46,320
kenz for the

117
00:04:51,590 --> 00:04:48,720
ksc and the ula for giving us an

118
00:04:53,909 --> 00:04:51,600
absolutely perfect launch so thanks to

119
00:04:55,270 --> 00:04:53,919
everyone and thank you george

120
00:04:57,189 --> 00:04:55,280
thank you jim

121
00:04:58,950 --> 00:04:57,199
and now to michael fralick the director

122
00:05:00,870 --> 00:04:58,960
of the earth science division at nasa

123
00:05:03,670 --> 00:05:00,880
headquarters michael

124
00:05:06,790 --> 00:05:03,680
thanks george it's an unadulterated

125
00:05:11,110 --> 00:05:06,800
pleasure to be talking uh with with you

126
00:05:14,870 --> 00:05:11,120
now today at the start of the npp

127
00:05:18,230 --> 00:05:14,880
science and operations mission

128
00:05:21,670 --> 00:05:18,240
it occurs to me that npp could actually

129
00:05:23,270 --> 00:05:21,680
stand for the national polar orbiting

130
00:05:25,909 --> 00:05:23,280
partnership

131
00:05:28,310 --> 00:05:25,919
national not just because multiple

132
00:05:32,310 --> 00:05:28,320
agencies contributed

133
00:05:34,950 --> 00:05:32,320
money and intellectual contributions to

134
00:05:37,110 --> 00:05:34,960
developing the spacecraft in the ground

135
00:05:40,950 --> 00:05:37,120
system but national because the

136
00:05:43,430 --> 00:05:40,960
measurements from npp will be affecting

137
00:05:46,469 --> 00:05:43,440
everyone in this nation and indeed

138
00:05:48,230 --> 00:05:46,479

perhaps in the world

139
00:05:50,870 --> 00:05:48,240
nasa research

140
00:05:54,469 --> 00:05:50,880
noaa weather forecasts and a whole

141
00:05:55,430 --> 00:05:54,479
variety of applications as jim gleason

142
00:05:57,990 --> 00:05:55,440
mentioned

143
00:06:01,430 --> 00:05:58,000
earlier polar orbiter goes without

144
00:06:04,830 --> 00:06:01,440
saying and i too would like to add

145
00:06:08,070 --> 00:06:04,840
my thanks and our thanks to the ksc and

146
00:06:10,710 --> 00:06:08,080
ula teams that gave us such a wonderful

147
00:06:13,189 --> 00:06:10,720
ride on the delta ii

148
00:06:16,309 --> 00:06:13,199
rocket but most important perhaps is

149
00:06:18,469 --> 00:06:16,319
that final p the one that stands for

150
00:06:23,510 --> 00:06:18,479
partnership

151
00:06:27,510 --> 00:06:23,520
noaa and dod

152
00:06:31,270 --> 00:06:27,520
in the design and implementation of of

153
00:06:34,309 --> 00:06:31,280
this mission but partnerships between

154
00:06:36,790 --> 00:06:34,319
government and industry as always for

155
00:06:37,830 --> 00:06:36,800
our space missions and partnerships

156
00:06:40,790 --> 00:06:37,840
between

157
00:06:43,830 --> 00:06:40,800
scientists and engineers to take the

158
00:06:46,629 --> 00:06:43,840
grand ideas and designs that the science

159
00:06:50,950 --> 00:06:46,639
community had and to actually turn it

160
00:06:53,110 --> 00:06:50,960
into a realistic uh mission and i too

161
00:06:56,150 --> 00:06:53,120
would like to pay particular

162
00:06:58,230 --> 00:06:56,160
kudos and recognize the contributions

163
00:07:01,830 --> 00:06:58,240

that kenshur

164
00:07:06,469 --> 00:07:01,840
made in establishing and guiding

165
00:07:09,830 --> 00:07:06,479
cohesive teams in all aspects of npp

166
00:07:13,350 --> 00:07:09,840
ken's teams kept their eyes on the

167
00:07:16,629 --> 00:07:13,360
objectives throughout and have delivered

168
00:07:19,350 --> 00:07:16,639
for us this remarkable mission right now

169
00:07:23,589 --> 00:07:19,360
and ken your courage and your wisdom and

170
00:07:26,550 --> 00:07:23,599
your guidance was simply invaluable for

171
00:07:28,870 --> 00:07:26,560
uh for this mission so we look forward

172
00:07:31,270 --> 00:07:28,880
to many many years of

173
00:07:34,309 --> 00:07:31,280
great advancements of science and

174
00:07:36,950 --> 00:07:34,319
improvements of forecasts from the npp

175
00:07:39,670 --> 00:07:36,960
mission george thank you michael

176
00:07:41,189 --> 00:07:39,680
next chuck yay the acting associate

177
00:07:44,070 --> 00:07:41,199
administrator of the science mission

178
00:07:46,230 --> 00:07:44,080
directorate at nasa headquarters chuck

179
00:07:49,110 --> 00:07:46,240
thank you george you know the the launch

180
00:07:51,270 --> 00:07:49,120
of the npp spacecraft is not only an

181
00:07:53,430 --> 00:07:51,280
important accomplishment for nasa and

182
00:07:55,990 --> 00:07:53,440
noaa it also represents

183
00:07:57,830 --> 00:07:56,000
a significant benefit to the nation

184
00:08:00,950 --> 00:07:57,840
the next generation instruments that are

185
00:08:03,189 --> 00:08:00,960
being proven on npp will lead to

186
00:08:05,110 --> 00:08:03,199
better weather forecasts and improved

187
00:08:07,189 --> 00:08:05,120
understanding improved scientific

188
00:08:09,270 --> 00:08:07,199

understanding of our planet

189
00:08:11,830 --> 00:08:09,280
on behalf of nasa i'd like to thank the

190
00:08:14,950 --> 00:08:11,840
incredibly talented team that has made

191
00:08:16,629 --> 00:08:14,960
npp possible the project team at goddard

192
00:08:18,710 --> 00:08:16,639
led by ken schwer

193
00:08:22,790 --> 00:08:18,720
the instrument providers northrop

194
00:08:24,950 --> 00:08:22,800
grumman itt raytheon ball aerospace

195
00:08:27,589 --> 00:08:24,960
spacecraft provider ball aerospace as

196
00:08:30,790 --> 00:08:27,599
well and the jointly developed ground

197
00:08:33,190 --> 00:08:30,800
system led by noaa nasa and raytheon and

198
00:08:34,790 --> 00:08:33,200
certainly the ula team who gave us

199
00:08:38,790 --> 00:08:34,800
another great ride

200
00:08:41,029 --> 00:08:38,800
nice job everyone george thank you chuck

201
00:08:43,909 --> 00:08:41,039
next to mary glackin the deputy under

202
00:08:45,430 --> 00:08:43,919
secretary for operations for noah

203
00:08:47,269 --> 00:08:45,440
mary

204
00:08:49,670 --> 00:08:47,279
thank you george i joined my colleagues

205
00:08:52,230 --> 00:08:49,680
today with being really thrilled uh it

206
00:08:54,470 --> 00:08:52,240
was a thrill to watch the bird go up the

207
00:08:56,870 --> 00:08:54,480
this morning in the beautiful clear

208
00:08:57,590 --> 00:08:56,880
night sky with the stars out there and

209
00:08:59,269 --> 00:08:57,600
all

210
00:09:01,509 --> 00:08:59,279
but i think it's even more thrilling to

211
00:09:03,269 --> 00:09:01,519
know what it means for the nation noaa

212
00:09:05,509 --> 00:09:03,279
has been using environmental satellites

213
00:09:07,990 --> 00:09:05,519

for more than 50 years and we use them

214
00:09:10,150 --> 00:09:08,000
to monitor and forecast extreme weather

215
00:09:12,870 --> 00:09:10,160
events and npp is going to play a

216
00:09:15,269 --> 00:09:12,880
significant role in that regard

217
00:09:17,750 --> 00:09:15,279
these forecasts allow us to warn people

218
00:09:19,910 --> 00:09:17,760
to get out of harm's way and allow

219
00:09:23,110 --> 00:09:19,920
us to plan and businesses to make

220
00:09:25,430 --> 00:09:23,120
important decisions

221
00:09:27,190 --> 00:09:25,440
in their in their operations

222
00:09:28,870 --> 00:09:27,200
the spacecraft is going to provide us

223
00:09:29,990 --> 00:09:28,880
many valuable

224
00:09:35,430 --> 00:09:30,000
essential

225
00:09:38,230 --> 00:09:35,440
vegetation cover ocean color sea in land

226
00:09:39,670 --> 00:09:38,240
surface temperatures as it flies pull

227
00:09:41,430 --> 00:09:39,680
pull to pole

228
00:09:43,269 --> 00:09:41,440
i'd also like to echo my colleague's

229
00:09:45,750 --> 00:09:43,279
thoughts about partnership it's been a

230
00:09:48,230 --> 00:09:45,760
lot of years that noaa nasa air force

231
00:09:49,829 --> 00:09:48,240
and industry have worked together and i

232
00:09:52,630 --> 00:09:49,839
think it shows a real value for the

233
00:09:54,870 --> 00:09:52,640
nation when we're able to do this npp is

234
00:09:56,389 --> 00:09:54,880
a nasa satellite and noaa air force

235
00:09:59,030 --> 00:09:56,399
provided the key instruments that

236
00:10:01,110 --> 00:09:59,040
collect data for weather forecasts

237
00:10:02,949 --> 00:10:01,120
it has a real value to the nation it's

238
00:10:05,430 --> 00:10:02,959

going to help us do many things beyond

239
00:10:08,230 --> 00:10:05,440
weather including tracking ash plumes

240
00:10:10,710 --> 00:10:08,240
for volcanic eruptions helping emergency

241
00:10:13,110 --> 00:10:10,720
responders fight wildfires

242
00:10:15,110 --> 00:10:13,120
and measure arctic sea ice and changes

243
00:10:16,790 --> 00:10:15,120
in the ozone level

244
00:10:19,590 --> 00:10:16,800
i mentioned before that it's going to be

245
00:10:22,069 --> 00:10:19,600
used operationally npp is going to

246
00:10:24,470 --> 00:10:22,079
replace our operational noaa 19

247
00:10:26,710 --> 00:10:24,480
satellite it's a bridge between our

248
00:10:29,190 --> 00:10:26,720
existing polar orbiting satellites that

249
00:10:31,350 --> 00:10:29,200
no operates and our next generation of

250
00:10:34,790 --> 00:10:31,360
satellites known as the joint polar

251
00:10:37,190 --> 00:10:34,800
satellite system or as we call it jpss

252
00:10:40,310 --> 00:10:37,200
the first jpss-1 satellite is going to

253
00:10:41,590 --> 00:10:40,320
be launched sometime in 2017.

254
00:10:43,990 --> 00:10:41,600
the launch of

255
00:10:46,310 --> 00:10:44,000
npp is one of the many steps that noaa

256
00:10:48,630 --> 00:10:46,320
is taking to make america a more

257
00:10:50,870 --> 00:10:48,640
weather-ready nation a nation that can

258
00:10:53,269 --> 00:10:50,880
better plan for extreme events like the

259
00:10:55,269 --> 00:10:53,279
ones we've experienced this year

260
00:10:58,069 --> 00:10:55,279
really represents an investment in our

261
00:11:00,470 --> 00:10:58,079
future and and in being able to prepare

262
00:11:02,389 --> 00:11:00,480
for that thank you george all right

263
00:11:05,509 --> 00:11:02,399

thank you mary

264
00:11:09,190 --> 00:11:05,519
and given the hour that it is here we

265
00:11:11,509 --> 00:11:09,200
have no media in the audience there are

266
00:11:14,310 --> 00:11:11,519
none with online questions and none at

267
00:11:17,430 --> 00:11:14,320
the other nasa centers

268
00:11:18,470 --> 00:11:17,440
it's been an all-nighter so

269
00:11:21,030 --> 00:11:18,480
with that

270
00:11:23,190 --> 00:11:21,040
we will uh conclude the

271
00:11:25,750 --> 00:11:23,200
briefing and we have some more video to

272
00:11:27,990 --> 00:11:25,760
show you of the launch that everyone is

273
00:11:29,430 --> 00:11:28,000
so pleased has gone so well both from

274
00:11:31,990 --> 00:11:29,440
the delta ii

275
00:11:34,870 --> 00:11:32,000
and for npp so thank you and that

276
00:11:43,910 --> 00:11:34,880
concludes our coverage for the npp

277
00:11:47,750 --> 00:11:46,870
green board t-minus ten

278
00:11:48,710 --> 00:11:47,760
nine

279
00:11:49,750 --> 00:11:48,720
eight

280
00:11:50,790 --> 00:11:49,760
seven

281
00:11:51,829 --> 00:11:50,800
six

282
00:11:52,790 --> 00:11:51,839
five

283
00:11:53,750 --> 00:11:52,800
four

284
00:11:57,509 --> 00:11:53,760
three

285
00:12:00,790 --> 00:11:57,519
two main engine start one zero and

286
00:12:03,030 --> 00:12:00,800
liftoff of the delta ii with the npp

287
00:12:05,350 --> 00:12:03,040
satellite blazing the way a new

288
00:12:11,990 --> 00:12:05,360

technology for climate research and

289
00:12:15,750 --> 00:12:13,829
chamber pressure in the main engine good

290
00:12:17,430 --> 00:12:15,760
crane for pressure in the three

291
00:12:19,670 --> 00:12:17,440
corrections two verniers and good

292
00:12:23,350 --> 00:12:19,680
chamber pressure in all six ground lit