1
00:00:00,080 --> 00:00:06,070
scientific cooperation between countries

2
00:00:39,590 --> 00:00:28,690
[Music]

3
00:00:41,110 --> 00:00:39,600
thank you for joining us

4
00:00:44,549 --> 00:00:41,120
moments ago

5
00:00:46,470 --> 00:00:44,559
the at 7 27 pm the nasa spacex crew 1

6
00:00:50,229 --> 00:00:46,480
mission blasted off from kennedy space

7
00:00:52,150 --> 00:00:50,239
center's historic pad 39a with four

8
00:00:53,670 --> 00:00:52,160
astronauts

9
00:00:56,389 --> 00:00:53,680
americans

10
00:00:58,790 --> 00:00:56,399
mike hopkins victor glover shannon

11
00:01:01,590 --> 00:00:58,800
walker in japanese astronauts soichi

12
00:01:03,910 --> 00:01:01,600
niguchi today we'll be joining we have a

13
00:01:05,670 --> 00:01:03,920

great group of people to talk about

14
00:01:07,109 --> 00:01:05,680
the crew one wish mission in this

15
00:01:09,750 --> 00:01:07,119
post-launch press conference and talk

16
00:01:12,390 --> 00:01:09,760
about the many historic elements of this

17
00:01:14,789 --> 00:01:12,400
historic launch joining us today is nasa

18
00:01:16,550 --> 00:01:14,799
administrator jim bridenstine kathy

19
00:01:18,950 --> 00:01:16,560
leaders associate administrator for

20
00:01:20,469 --> 00:01:18,960
human exploration and operations and

21
00:01:22,469 --> 00:01:20,479
nasa headquarters

22
00:01:24,550 --> 00:01:22,479
hiroshi sasaki vice president and

23
00:01:26,870 --> 00:01:24,560
director general of jax's human space

24
00:01:29,030 --> 00:01:26,880
flight technology directorate steve

25
00:01:31,910 --> 00:01:29,040
dixon administrator of the federal

26
00:01:34,069 --> 00:01:31,920
aviation administration faa and gwen

27
00:01:36,310 --> 00:01:34,079
shotwell president and chief operating

28
00:01:38,310 --> 00:01:36,320
officer of spacex and i'm bettina and

29
00:01:40,789 --> 00:01:38,320
klon in the moment we'll hear their open

30
00:01:42,870 --> 00:01:40,799
remarks and then we'll take questions

31
00:01:45,030 --> 00:01:42,880
from the media so let's start with

32
00:01:47,590 --> 00:01:45,040
administrator jim bridenstine

33
00:01:49,670 --> 00:01:47,600
well thank you bettina another historic

34
00:01:52,230 --> 00:01:49,680
night and i want to congratulate the

35
00:01:54,950 --> 00:01:52,240
nasa team and the spacex team for an

36
00:01:57,910 --> 00:01:54,960
amazing job yet again

37
00:02:00,069 --> 00:01:57,920
so uh so the the big milestone here is

38
00:02:02,469 --> 00:02:00,079

that we are now moving uh away from

39
00:02:04,069 --> 00:02:02,479
development and test and into

40
00:02:06,469 --> 00:02:04,079
operational flights

41
00:02:09,190 --> 00:02:06,479
uh and in fact that this operational

42
00:02:11,830 --> 00:02:09,200
flight was licensed by the faa so this

43
00:02:13,430 --> 00:02:11,840
is a truly a commercial launch

44
00:02:15,589 --> 00:02:13,440
vehicle and we're grateful to our

45
00:02:16,790 --> 00:02:15,599
partners at spacex for providing it and

46
00:02:19,350 --> 00:02:16,800
our partners

47
00:02:21,350 --> 00:02:19,360
at the faa for licensing it

48
00:02:23,589 --> 00:02:21,360
and i'm also grateful to our our

49
00:02:25,910 --> 00:02:23,599
partners uh with japan

50
00:02:27,750 --> 00:02:25,920
um and hiroshi sasaki who's with us

51
00:02:30,550 --> 00:02:27,760
today

52
00:02:32,309 --> 00:02:30,560
you should know that the the

53
00:02:33,910 --> 00:02:32,319
japan is an amazing partner for the

54
00:02:35,509 --> 00:02:33,920
united states of america we are

55
00:02:38,949 --> 00:02:35,519
exceptionally grateful

56
00:02:41,030 --> 00:02:38,959
that japan would join us on crew one

57
00:02:42,790 --> 00:02:41,040
and so this is a this is a great day for

58
00:02:45,430 --> 00:02:42,800
the united states of america and a great

59
00:02:47,670 --> 00:02:45,440
day for japan and we look forward to

60
00:02:49,350 --> 00:02:47,680
many more years of a great partnership

61
00:02:51,589 --> 00:02:49,360
not just in low earth orbit but all the

62
00:02:53,830 --> 00:02:51,599
way to the moon so

63
00:02:55,990 --> 00:02:53,840

we're just really excited with how well

64
00:02:58,309 --> 00:02:56,000
it went today and i look forward to

65
00:02:59,750 --> 00:02:58,319
answering any questions

66
00:03:02,710 --> 00:02:59,760
kathy

67
00:03:05,750 --> 00:03:02,720
yeah i am i cannot tell you i know thank

68
00:03:07,030 --> 00:03:05,760
you gwen it's been quite a journey for

69
00:03:08,390 --> 00:03:07,040
um

70
00:03:09,990 --> 00:03:08,400
the team that's been out here and

71
00:03:12,390 --> 00:03:10,000
working so hard

72
00:03:15,270 --> 00:03:12,400
um this is really an amazing day for us

73
00:03:17,110 --> 00:03:15,280
i can't tell you i'm just like pretty uh

74
00:03:19,910 --> 00:03:17,120
choked up a little bit thinking about

75
00:03:22,229 --> 00:03:19,920
you know the folks that have spent years

76
00:03:23,190 --> 00:03:22,239
of their lives getting ready for this

77
00:03:25,509 --> 00:03:23,200
mission

78
00:03:27,910 --> 00:03:25,519
and being able to see the crew fly today

79
00:03:29,589 --> 00:03:27,920
was just phenomenal um

80
00:03:33,030 --> 00:03:29,599
you know

81
00:03:35,589 --> 00:03:33,040
we've talked a lot about first and this

82
00:03:38,630 --> 00:03:35,599
mission is an example of multiple firsts

83
00:03:41,750 --> 00:03:38,640
for us a partnership across agencies

84
00:03:42,710 --> 00:03:41,760
with faa obviously fcc first commercial

85
00:03:44,710 --> 00:03:42,720
mission

86
00:03:46,229 --> 00:03:44,720
a partnership across our international

87
00:03:47,830 --> 00:03:46,239
partners

88
00:03:49,990 --> 00:03:47,840

and having uh

89
00:03:52,229 --> 00:03:50,000
you know

90
00:03:55,110 --> 00:03:52,239
the sasaki-san here as an example and

91
00:03:57,190 --> 00:03:55,120
having soichi on the flight is just an

92
00:03:59,030 --> 00:03:57,200
amazing experience for us

93
00:04:01,830 --> 00:03:59,040
but most of all it's a partnership with

94
00:04:02,949 --> 00:04:01,840
spacex and our commercial partners and

95
00:04:05,110 --> 00:04:02,959
um

96
00:04:08,070 --> 00:04:05,120
you know leaving the team over there in

97
00:04:10,070 --> 00:04:08,080
the firing room everybody is so fired up

98
00:04:12,309 --> 00:04:10,080
they're so excited about this mission

99
00:04:14,470 --> 00:04:12,319
but we're not done yet we need to keep

100
00:04:16,710 --> 00:04:14,480
going that spacecraft's out there with

101
00:04:18,469 --> 00:04:16,720
those four precious crew members on them

102
00:04:20,310 --> 00:04:18,479
and we're going to get them to safely to

103
00:04:22,230 --> 00:04:20,320
the international space station tomorrow

104
00:04:24,550 --> 00:04:22,240
right and

105
00:04:29,189 --> 00:04:24,560
but it was a beautiful launch today and

106
00:04:33,430 --> 00:04:30,629
first of all

107
00:04:35,430 --> 00:04:33,440
on behalf of jackson i'd like to express

108
00:04:37,030 --> 00:04:35,440
my appreciation

109
00:04:40,150 --> 00:04:37,040
to all staff

110
00:04:43,670 --> 00:04:40,160
who are engaged in the launch operations

111
00:04:46,150 --> 00:04:43,680
during the copied 19 situations

112
00:04:48,550 --> 00:04:46,160
uh the mission is still ongoing but i

113
00:04:50,469 --> 00:04:48,560

would like to congratulate

114
00:04:51,909 --> 00:04:50,479
launch success

115
00:04:54,469 --> 00:04:51,919
first

116
00:04:57,110 --> 00:04:54,479
i have seen a lot of technologies of the

117
00:04:58,710 --> 00:04:57,120
japanese rocket but it is our first time

118
00:05:00,150 --> 00:04:58,720
to see the

119
00:05:01,670 --> 00:05:00,160
launch of

120
00:05:04,150 --> 00:05:01,680
falcon 9.

121
00:05:05,350 --> 00:05:04,160
the night launch was very beautiful

122
00:05:08,070 --> 00:05:05,360
and

123
00:05:10,469 --> 00:05:08,080
it was even more impressive concerning

124
00:05:14,710 --> 00:05:10,479
that the four crew members including

125
00:05:17,270 --> 00:05:14,720
jaxa astronaut nongucci were on board

126
00:05:19,590 --> 00:05:17,280
it is very significant for jackson that

127
00:05:21,909 --> 00:05:19,600
astronaut noguchi will board

128
00:05:23,270 --> 00:05:21,919
the first operational flight of blue

129
00:05:24,710 --> 00:05:23,280
dragon

130
00:05:25,670 --> 00:05:24,720
and launches

131
00:05:27,510 --> 00:05:25,680
from

132
00:05:29,590 --> 00:05:27,520
kennedy space center

133
00:05:32,870 --> 00:05:29,600
i believe that this is an outcome of the

134
00:05:35,350 --> 00:05:32,880
cooperation between nasa and jaxa

135
00:05:36,870 --> 00:05:35,360
and the efforts of jaxa including the

136
00:05:38,950 --> 00:05:36,880
astrology

137
00:05:41,350 --> 00:05:38,960
have been highly evaluated by the

138
00:05:43,189 --> 00:05:41,360

partners

139
00:05:46,230 --> 00:05:43,199
astronaut technology will be involved in

140
00:05:48,310 --> 00:05:46,240
a variety of activities on the iss

141
00:05:50,230 --> 00:05:48,320
and he will conduct science

142
00:05:51,749 --> 00:05:50,240
activities using microgravity

143
00:05:53,590 --> 00:05:51,759
environment

144
00:05:54,950 --> 00:05:53,600
and demonstrate the technology for the

145
00:05:55,990 --> 00:05:54,960
future

146
00:05:57,670 --> 00:05:56,000
currently

147
00:06:00,469 --> 00:05:57,680
jackson nasa are working on the

148
00:06:02,469 --> 00:06:00,479
framework of japan u.s open platform

149
00:06:04,309 --> 00:06:02,479
partnership program

150
00:06:06,629 --> 00:06:04,319
to achieve results through the mutual

151
00:06:09,110 --> 00:06:06,639
use of experiment equipment

152
00:06:12,629 --> 00:06:09,120
and would like to further deepen the

153
00:06:14,150 --> 00:06:12,639
cooperation between japan and u.s

154
00:06:16,950 --> 00:06:14,160
in july

155
00:06:19,749 --> 00:06:16,960
the ministry of education cultures both

156
00:06:22,230 --> 00:06:19,759
science and technology of japan

157
00:06:24,710 --> 00:06:22,240
and nasa signed the joint exploration

158
00:06:27,670 --> 00:06:24,720
declaration of intent for luna

159
00:06:30,309 --> 00:06:27,680
cooperation i believe the human space

160
00:06:31,990 --> 00:06:30,319
activities will expand from the iss to

161
00:06:35,510 --> 00:06:32,000
the moon

162
00:06:36,550 --> 00:06:35,520
i'm looking forward to enjoy the new era

163
00:06:37,990 --> 00:06:36,560

and

164
00:06:41,110 --> 00:06:38,000
uh going

165
00:06:43,350 --> 00:06:41,120
together for the future

166
00:06:47,029 --> 00:06:43,360
as once again congratulations on

167
00:06:52,870 --> 00:06:50,390
well on behalf of uh 45 000 aerospace

168
00:06:54,790 --> 00:06:52,880
professionals at the faa

169
00:06:56,390 --> 00:06:54,800
it is truly an honor and a privilege

170
00:06:58,790 --> 00:06:56,400
this is a big night

171
00:07:00,550 --> 00:06:58,800
uh for many of us and it's a big night

172
00:07:02,230 --> 00:07:00,560
for the faa

173
00:07:03,990 --> 00:07:02,240
uh but i first want to offer my

174
00:07:07,350 --> 00:07:04,000
congratulations

175
00:07:10,870 --> 00:07:07,360
the nasa team

176
00:07:12,469 --> 00:07:10,880
uh sasaki sam and and jaxa of course our

177
00:07:15,510 --> 00:07:12,479
japanese partners

178
00:07:17,510 --> 00:07:15,520
and the spacex team led by elon musk and

179
00:07:19,029 --> 00:07:17,520
gwen shotwell

180
00:07:20,950 --> 00:07:19,039
the energy

181
00:07:22,230 --> 00:07:20,960
in the room is is

182
00:07:24,870 --> 00:07:22,240
palpable

183
00:07:26,390 --> 00:07:24,880
and it is a tremendous accomplishment

184
00:07:29,510 --> 00:07:26,400
for our country

185
00:07:32,430 --> 00:07:29,520
and uh for humankind as we begin the

186
00:07:35,350 --> 00:07:32,440
next uh significant step towards the

187
00:07:36,790 --> 00:07:35,360
commercialization in this case of low

188
00:07:38,870 --> 00:07:36,800

earth orbit

189
00:07:40,950 --> 00:07:38,880
you know this launch is another major

190
00:07:42,230 --> 00:07:40,960
milestone in space transportation it's a

191
00:07:44,710 --> 00:07:42,240
culmination

192
00:07:47,189 --> 00:07:44,720
of a lot of hard work from a lot of

193
00:07:49,589 --> 00:07:47,199
people in government and industry

194
00:07:52,469 --> 00:07:49,599
all working closely together

195
00:07:54,469 --> 00:07:52,479
it's also the first faa licensed orbital

196
00:07:56,950 --> 00:07:54,479
human space flight launch

197
00:07:59,430 --> 00:07:56,960
our job in this mission is to protect

198
00:08:02,469 --> 00:07:59,440
public safety property and national

199
00:08:03,589 --> 00:08:02,479
security and we've done that

200
00:08:05,510 --> 00:08:03,599
we'll continue to work with the

201
00:08:07,430 --> 00:08:05,520
commercial space industry

202
00:08:09,110 --> 00:08:07,440
and nasa to ensure that we continue to

203
00:08:10,629 --> 00:08:09,120
meet these priorities

204
00:08:13,189 --> 00:08:10,639
and we'll continue our efforts to help

205
00:08:15,589 --> 00:08:13,199
make the airspace system more flexible

206
00:08:17,830 --> 00:08:15,599
and dynamic so we can support the

207
00:08:20,950 --> 00:08:17,840
expected increase in space operations in

208
00:08:23,510 --> 00:08:20,960
the coming years as a matter of fact

209
00:08:26,150 --> 00:08:23,520
i received a text from our fa command

210
00:08:28,550 --> 00:08:26,160
center just outside washington dc that

211
00:08:30,629 --> 00:08:28,560
we release the airspace for commercial

212
00:08:34,230 --> 00:08:30,639
traffic within 20 minutes of the launch

213
00:08:35,909 --> 00:08:34,240

and we continue to to uh to refine our

214
00:08:37,269 --> 00:08:35,919
capabilities there so it's a pleasure to

215
00:08:39,110 --> 00:08:37,279
be with you tonight and again

216
00:08:45,350 --> 00:08:39,120
congratulations to everyone

217
00:08:50,310 --> 00:08:47,430
thanks bettina

218
00:08:52,230 --> 00:08:50,320
i'm thrilled to be here today

219
00:08:54,550 --> 00:08:52,240
i want to make sure i get all the thank

220
00:08:57,190 --> 00:08:54,560
yous

221
00:08:59,269 --> 00:08:57,200
thanks to nasa to start with for the

222
00:09:02,070 --> 00:08:59,279
partnership that we've had this journey

223
00:09:03,670 --> 00:09:02,080
began really in august of 2006 when we

224
00:09:06,550 --> 00:09:03,680
first started working on dragon and

225
00:09:07,990 --> 00:09:06,560
falcon 9 together so thank you for your

226
00:09:09,430 --> 00:09:08,000
partnership

227
00:09:11,990 --> 00:09:09,440
kathy we've been working together for

228
00:09:13,190 --> 00:09:12,000
quite some time since then actually from

229
00:09:15,350 --> 00:09:13,200
the beginning

230
00:09:16,949 --> 00:09:15,360
i want to thank the 45th space wing

231
00:09:19,190 --> 00:09:16,959
another mission partner here i want to

232
00:09:21,990 --> 00:09:19,200
thank the faa steve appreciate all your

233
00:09:24,150 --> 00:09:22,000
support and sasaki-san i wanted to thank

234
00:09:26,310 --> 00:09:24,160
you as well for both coming and

235
00:09:30,150 --> 00:09:26,320
participating but also for allowing

236
00:09:32,470 --> 00:09:30,160
suici to fly on on a dragon

237
00:09:35,110 --> 00:09:32,480
i want to thank

238
00:09:38,150 --> 00:09:35,120

spacex employees who have worked

239
00:09:41,030 --> 00:09:38,160
tirelessly hard and tirelessly

240
00:09:43,269 --> 00:09:41,040
through pretty extraordinary times

241
00:09:46,150 --> 00:09:43,279
they continue to amaze me

242
00:09:48,870 --> 00:09:46,160
and i'm so proud of them so i wanted to

243
00:09:51,110 --> 00:09:48,880
thank them for that as well

244
00:09:52,710 --> 00:09:51,120
could not be more proud of the of the

245
00:09:55,350 --> 00:09:52,720
work that we've all done together here

246
00:09:57,110 --> 00:09:55,360
today uh falcon 9 looked the launch

247
00:09:59,269 --> 00:09:57,120
looked beautiful i don't have any

248
00:10:02,150 --> 00:09:59,279
specifics on any anomalies that we had

249
00:10:05,190 --> 00:10:02,160
which is great uh we'll get more data

250
00:10:07,910 --> 00:10:05,200
as we go dragon was dropped off roughly

251
00:10:09,670 --> 00:10:07,920
12 minutes into the mission into a

252
00:10:11,590 --> 00:10:09,680
beautiful orbit

253
00:10:13,350 --> 00:10:11,600
and she's operating just fine all

254
00:10:16,389 --> 00:10:13,360
systems nominal

255
00:10:20,230 --> 00:10:16,399
executed a burn and i think there's two

256
00:10:23,670 --> 00:10:20,240
more to go we approach the space station

257
00:10:26,069 --> 00:10:23,680
in a little over 24 hours from now

258
00:10:27,910 --> 00:10:26,079
and then we'll be able to breathe a sigh

259
00:10:30,389 --> 00:10:27,920
of relief

260
00:10:32,949 --> 00:10:30,399
26 or so hours from now once we hand the

261
00:10:34,710 --> 00:10:32,959
crew over to nasa

262
00:10:38,150 --> 00:10:34,720
in the next 15 months we should be

263
00:10:40,630 --> 00:10:38,160

flying roughly seven dragon missions

264
00:10:43,269 --> 00:10:40,640
and this mission represents the

265
00:10:44,710 --> 00:10:43,279
initiation of a dragon in orbit

266
00:10:46,630 --> 00:10:44,720
continuously

267
00:10:47,509 --> 00:10:46,640
knocking on wood

268
00:10:50,389 --> 00:10:47,519
and

269
00:10:52,550 --> 00:10:50,399
certainly is uh really the beginning of

270
00:10:54,550 --> 00:10:52,560
a new era in human space flight so

271
00:10:56,150 --> 00:10:54,560
thanks very much

272
00:10:57,430 --> 00:10:56,160
thank you thank you all i know that i

273
00:10:59,030 --> 00:10:57,440
can speak for millions that are just

274
00:11:01,190 --> 00:10:59,040
really excited to see these four

275
00:11:02,790 --> 00:11:01,200
astronauts on the crew dragon resilience

276
00:11:04,710 --> 00:11:02,800
and it gets the international space

277
00:11:06,310 --> 00:11:04,720
station for this important mission so

278
00:11:13,110 --> 00:11:06,320
with that we'll take some questions our

279
00:11:18,389 --> 00:11:15,590
hello yes marcia we can hear you yes

280
00:11:20,870 --> 00:11:18,399
great hi from miss shotwell please uh

281
00:11:23,990 --> 00:11:20,880
i'm curious how wired into the launch

282
00:11:26,389 --> 00:11:24,000
was elon um was he backseat driving so

283
00:11:28,470 --> 00:11:26,399
to speak and curious as to where he

284
00:11:29,829 --> 00:11:28,480
actually monitored all the action from

285
00:11:32,310 --> 00:11:29,839
thank you

286
00:11:34,550 --> 00:11:32,320
so elon was tied in very closely to the

287
00:11:38,230 --> 00:11:34,560
launch i have a series of texts to prove

288
00:11:41,670 --> 00:11:38,240

it um as as usual he regardless of where

289
00:11:44,150 --> 00:11:41,680
he is on the planet uh he is watching

290
00:11:46,710 --> 00:11:44,160
closely and providing guidance and

291
00:11:53,350 --> 00:11:48,630
great our next question comes from

292
00:11:57,590 --> 00:11:54,150
hi

293
00:11:59,750 --> 00:11:57,600
my first question is uh for for gwen uh

294
00:12:01,590 --> 00:11:59,760
spacex has really broken a new ceiling

295
00:12:04,389 --> 00:12:01,600
here in terms of doing something that

296
00:12:05,829 --> 00:12:04,399
only countries had done before

297
00:12:07,670 --> 00:12:05,839
how many other companies do you see

298
00:12:09,829 --> 00:12:07,680
entering the orbital human space flight

299
00:12:11,590 --> 00:12:09,839
market in the next decade and kind of

300
00:12:13,829 --> 00:12:11,600
following in your footsteps now that you

301
00:12:15,670 --> 00:12:13,839
guys have done it

302
00:12:17,990 --> 00:12:15,680
you know i'm a horrible predictor i

303
00:12:20,310 --> 00:12:18,000
never i never get it right so i think

304
00:12:21,750 --> 00:12:20,320
what you can count on is what i say it

305
00:12:23,430 --> 00:12:21,760
won't be right

306
00:12:26,470 --> 00:12:23,440
um

307
00:12:28,389 --> 00:12:26,480
obviously we have uh we expect to have

308
00:12:30,150 --> 00:12:28,399
flights from boeing upcoming but i don't

309
00:12:31,750 --> 00:12:30,160
think you're asking about the existing

310
00:12:33,829 --> 00:12:31,760
providers i think you're talking about

311
00:12:35,190 --> 00:12:33,839
new ones this is a tough business to

312
00:12:37,590 --> 00:12:35,200
break into

313
00:12:39,269 --> 00:12:37,600

um i wouldn't expect any in the next

314
00:12:41,910 --> 00:12:39,279
five years

315
00:12:45,110 --> 00:12:41,920
but hopefully within 10 there'll be

316
00:12:47,030 --> 00:12:45,120
plenty of folks doing this kind of work

317
00:12:51,590 --> 00:12:47,040
to make it

318
00:12:57,590 --> 00:12:53,910
our next question comes from eric berger

319
00:13:01,910 --> 00:12:59,990
hi uh congratulations everyone uh such a

320
00:13:02,870 --> 00:13:01,920
such a big night for for human space

321
00:13:04,550 --> 00:13:02,880
flight

322
00:13:05,990 --> 00:13:04,560
i think this is a question for kathy but

323
00:13:07,750 --> 00:13:06,000
if someone else wants to take it that's

324
00:13:09,750 --> 00:13:07,760
fine too

325
00:13:11,509 --> 00:13:09,760
going back to yesterday's

326
00:13:13,030 --> 00:13:11,519
24-hour delay

327
00:13:14,949 --> 00:13:13,040
it's my understanding the primary driver

328
00:13:16,230 --> 00:13:14,959
of that was the the fact that the drone

329
00:13:17,750 --> 00:13:16,240
ship could get out of port due to

330
00:13:19,750 --> 00:13:17,760
tropical storm ada

331
00:13:22,389 --> 00:13:19,760
and i was just wondering you know a few

332
00:13:24,069 --> 00:13:22,399
years ago kathy could you imagine

333
00:13:25,430 --> 00:13:24,079
you know scrubbing or holding a launch

334
00:13:27,670 --> 00:13:25,440
for a day

335
00:13:31,430 --> 00:13:27,680
you know to to recover the first stage

336
00:13:38,710 --> 00:13:34,710
uh no but you know we were we're also i

337
00:13:43,750 --> 00:13:41,110
looking at the cadence that we had and

338
00:13:46,949 --> 00:13:43,760

trying to be as cost effective on our

339
00:13:50,069 --> 00:13:46,959
services going forward right

340
00:13:51,910 --> 00:13:50,079
uh i also this has been a horrendous

341
00:13:53,269 --> 00:13:51,920
years for storms

342
00:13:55,430 --> 00:13:53,279
i don't think if you would have asked me

343
00:13:56,470 --> 00:13:55,440
a few years ago if we would have had you

344
00:13:59,110 --> 00:13:56,480
know

345
00:14:02,230 --> 00:13:59,120
five storms hit the louisiana coast and

346
00:14:04,310 --> 00:14:02,240
uh another set hit me a couple of

347
00:14:06,949 --> 00:14:04,320
hitting florida in november i would have

348
00:14:09,030 --> 00:14:06,959
been surprised too but um

349
00:14:09,910 --> 00:14:09,040
you know with the systems that we have

350
00:14:12,150 --> 00:14:09,920
um

351
00:14:15,269 --> 00:14:12,160
there's constraints and and

352
00:14:17,430 --> 00:14:15,279
big choices and one of those choices was

353
00:14:20,310 --> 00:14:17,440
we had a beautiful

354
00:14:21,189 --> 00:14:20,320
opportunity on sunday and so that was a

355
00:14:23,269 --> 00:14:21,199
big

356
00:14:25,670 --> 00:14:23,279
part of the conversation and us deciding

357
00:14:27,509 --> 00:14:25,680
to pick this day yesterday it ended up

358
00:14:30,310 --> 00:14:27,519
not being that great a day around the

359
00:14:32,230 --> 00:14:30,320
launch time so

360
00:14:34,230 --> 00:14:32,240
this was a great day and it was a great

361
00:14:36,629 --> 00:14:34,240
launch and

362
00:14:40,550 --> 00:14:36,639
it was it was

363
00:14:44,870 --> 00:14:42,790

yeah it was a really incredible

364
00:14:47,350 --> 00:14:44,880
experience i think all of us are still

365
00:14:49,110 --> 00:14:47,360
excited about about seeing it

366
00:14:51,829 --> 00:14:49,120
our next question comes from irene klotz

367
00:14:53,910 --> 00:14:51,839
from aviation week

368
00:14:56,069 --> 00:14:53,920
thanks bettina um

369
00:14:58,310 --> 00:14:56,079
congratulations everyone my question is

370
00:15:01,430 --> 00:14:58,320
for gwen the uh

371
00:15:04,150 --> 00:15:01,440
15 months seven dragons um are you

372
00:15:06,230 --> 00:15:04,160
counting commercial missions in that and

373
00:15:09,350 --> 00:15:06,240
can you give us an update on

374
00:15:11,590 --> 00:15:09,360
where you stand on the commercial

375
00:15:13,110 --> 00:15:11,600
on the commercial flights aside from i

376
00:15:15,509 --> 00:15:13,120
think the axiom

377
00:15:17,269 --> 00:15:15,519
mission was now officially on the books

378
00:15:20,230 --> 00:15:17,279
for the end of next year is there

379
00:15:21,030 --> 00:15:20,240
anything else thanks

380
00:15:24,230 --> 00:15:21,040
so

381
00:15:26,150 --> 00:15:24,240
i believe we did count one commercial

382
00:15:28,790 --> 00:15:26,160
mission in there but i don't want to do

383
00:15:30,150 --> 00:15:28,800
math in public i will call you if i got

384
00:15:31,670 --> 00:15:30,160
that one wrong

385
00:15:34,949 --> 00:15:31,680
um

386
00:15:37,910 --> 00:15:34,959
the uh will be we'll be flying uh

387
00:15:39,990 --> 00:15:37,920
the crew 2 mission uh in about four and

388
00:15:41,030 --> 00:15:40,000

a half months

389
00:15:45,189 --> 00:15:41,040
and then

390
00:15:46,870 --> 00:15:45,199
crew 3 roughly possibly 6 months later

391
00:15:48,790 --> 00:15:46,880
we do hope to fly a commercial mission

392
00:15:51,110 --> 00:15:48,800
with axiom

393
00:15:55,590 --> 00:15:53,350
you know maybe some some other

394
00:15:59,110 --> 00:15:55,600
fun missions which i'll

395
00:16:03,590 --> 00:16:01,189
our next question comes from david

396
00:16:06,230 --> 00:16:03,600
curley

397
00:16:09,990 --> 00:16:06,240
glenn shot well um

398
00:16:12,389 --> 00:16:10,000
kind of curious about what happened uh

399
00:16:13,749 --> 00:16:12,399
to your emotions when they had to reopen

400
00:16:16,550 --> 00:16:13,759
a hat

401
00:16:17,749 --> 00:16:16,560
and can you explain to me the technology

402
00:16:20,069 --> 00:16:17,759
you know i think we're all kind of used

403
00:16:21,590 --> 00:16:20,079
to a hatch closing you crank the wheel

404
00:16:23,030 --> 00:16:21,600
and

405
00:16:24,550 --> 00:16:23,040
it seems to be a little bit longer

406
00:16:26,470 --> 00:16:24,560
process i don't understand everything

407
00:16:28,710 --> 00:16:26,480
that you've got going there but

408
00:16:30,949 --> 00:16:28,720
um you just kind of talk about the hats

409
00:16:33,110 --> 00:16:30,959
and what happened

410
00:16:35,910 --> 00:16:33,120
so i i'm not sure i heard you are if

411
00:16:38,470 --> 00:16:35,920
you're asking about the the do-over on

412
00:16:40,710 --> 00:16:38,480
the hatch operation that we had today

413
00:16:43,350 --> 00:16:40,720

so we closed the hatch the first time uh

414
00:16:46,470 --> 00:16:43,360
and uh the capsule did not uh pass its

415
00:16:48,150 --> 00:16:46,480
leak checks so we opened it um and took

416
00:16:51,110 --> 00:16:48,160
a look at the seals

417
00:16:53,590 --> 00:16:51,120
um did a found a little bit of fod

418
00:16:56,310 --> 00:16:53,600
cleaned that up adjusted the seals and

419
00:17:01,590 --> 00:16:56,320
uh reclosed the hatch uh and the dragon

420
00:17:05,510 --> 00:17:03,350
okay you probably need to make that

421
00:17:08,309 --> 00:17:05,520
operation a little smoother but

422
00:17:13,590 --> 00:17:09,510
thank you gwen

423
00:17:17,110 --> 00:17:13,600
our next question comes from jeff faust

424
00:17:19,750 --> 00:17:17,120
hi question um for either gwen or kathy

425
00:17:21,270 --> 00:17:19,760
there were some alerts after uh crew

426
00:17:22,870 --> 00:17:21,280
dragon made it to orbit about the

427
00:17:24,710 --> 00:17:22,880
thermal control system it looks like

428
00:17:27,029 --> 00:17:24,720
that was resolved but was that just a

429
00:17:29,350 --> 00:17:27,039
false alarm or was that an actual issue

430
00:17:31,590 --> 00:17:29,360
with the thermal control system that has

431
00:17:33,430 --> 00:17:31,600
since been corrected thanks

432
00:17:35,270 --> 00:17:33,440
well what's amazing in the first hour of

433
00:17:37,510 --> 00:17:35,280
flight is kind of all the systems are

434
00:17:40,310 --> 00:17:37,520
activated right and so

435
00:17:43,590 --> 00:17:40,320
um the fault detection systems are

436
00:17:45,590 --> 00:17:43,600
working and what happened was it it we

437
00:17:46,870 --> 00:17:45,600
hit a

438
00:17:49,350 --> 00:17:46,880

fitter and that kind of start that

439
00:17:50,870 --> 00:17:49,360
happens during system startups and it

440
00:17:52,950 --> 00:17:50,880
did exactly what it was supposed to do

441
00:17:55,190 --> 00:17:52,960
it it

442
00:17:57,350 --> 00:17:55,200
flipped over to the second leg we have a

443
00:17:59,590 --> 00:17:57,360
lot of redundancy in the system and then

444
00:18:01,830 --> 00:17:59,600
the team was able to go in and ended up

445
00:18:04,470 --> 00:18:01,840
clearing the faults and both legs are

446
00:18:07,510 --> 00:18:04,480
back up and running so this is not a

447
00:18:10,470 --> 00:18:07,520
very it's not an unusual thing to happen

448
00:18:12,630 --> 00:18:10,480
as when when systems are started up like

449
00:18:14,549 --> 00:18:12,640
this it's it's uh

450
00:18:16,549 --> 00:18:14,559
we all we go through the launch and then

451
00:18:19,110 --> 00:18:16,559
we we kind of hang out for that first

452
00:18:20,870 --> 00:18:19,120
hour of dragon activation because it

453
00:18:22,710 --> 00:18:20,880
kind of is amazing thing and it goes

454
00:18:24,549 --> 00:18:22,720
through and checks out all the different

455
00:18:26,390 --> 00:18:24,559
parts of it and gives us a good health

456
00:18:28,470 --> 00:18:26,400
check for the way the spacecraft's

457
00:18:33,110 --> 00:18:28,480
working and like one said

458
00:18:37,830 --> 00:18:35,190
thank you both our next question comes

459
00:18:40,630 --> 00:18:37,840
from joey roulette reuters

460
00:18:42,549 --> 00:18:40,640
hey thanks bettina um question for kathy

461
00:18:44,390 --> 00:18:42,559
i just wanted to follow up on that

462
00:18:46,230 --> 00:18:44,400
can you kind of give us a sense of what

463
00:18:46,950 --> 00:18:46,240

happened with the thermal control system

464
00:18:49,430 --> 00:18:46,960
and

465
00:18:51,750 --> 00:18:49,440
um for gwen uh how many private

466
00:18:53,750 --> 00:18:51,760
astronaut missions do you guys have

467
00:18:55,750 --> 00:18:53,760
booked up uh right now can you give us

468
00:18:57,590 --> 00:18:55,760
like a ballpark on maybe how much you're

469
00:19:00,070 --> 00:18:57,600
in talks for or how much you have

470
00:19:02,070 --> 00:19:00,080
solidified thanks

471
00:19:04,470 --> 00:19:02,080
well sometimes it's just a it's just a

472
00:19:06,470 --> 00:19:04,480
sensor issue right and it's just a

473
00:19:10,950 --> 00:19:06,480
startup sensor getting everything

474
00:19:12,549 --> 00:19:10,960
aligned and so actually um

475
00:19:14,310 --> 00:19:12,559
nothing really happened to the system it

476
00:19:15,669 --> 00:19:14,320
was kind of just a function of kind of

477
00:19:17,510 --> 00:19:15,679
running through

478
00:19:19,270 --> 00:19:17,520
um and

479
00:19:21,590 --> 00:19:19,280
when you have all these checks and your

480
00:19:24,789 --> 00:19:21,600
systems doing all the checks sometimes

481
00:19:27,590 --> 00:19:24,799
it'll it'll hit a limit and then flip

482
00:19:29,590 --> 00:19:27,600
over and then you reset the pieces of it

483
00:19:31,590 --> 00:19:29,600
and so actually it had to we have two

484
00:19:34,390 --> 00:19:31,600
good loops now and

485
00:19:36,150 --> 00:19:34,400
the system's working great so

486
00:19:39,350 --> 00:19:36,160
like i said it's just a little bit of a

487
00:19:40,390 --> 00:19:39,360
startup glitch

488
00:19:43,110 --> 00:19:40,400

thank you

489
00:19:46,150 --> 00:19:43,120
paul brookman upi is our next reporter

490
00:19:48,950 --> 00:19:47,830
yeah thanks um

491
00:19:50,390 --> 00:19:48,960
i'm uh

492
00:19:53,110 --> 00:19:50,400
i'm really thinking about the astronauts

493
00:19:55,510 --> 00:19:53,120
in space now and you know poor people

494
00:19:57,830 --> 00:19:55,520
trying to sweep after launching on a

495
00:19:59,510 --> 00:19:57,840
rocket and flying around the earth on a

496
00:20:01,270 --> 00:19:59,520
new spacecraft

497
00:20:03,750 --> 00:20:01,280
my understanding is that flight time

498
00:20:06,470 --> 00:20:03,760
tonight apparently was extended

499
00:20:08,149 --> 00:20:06,480
partly for their sleep time and we've

500
00:20:10,149 --> 00:20:08,159
heard how important it is that they get

501
00:20:12,149 --> 00:20:10,159
proper sleep um but i'm thinking that

502
00:20:14,470 --> 00:20:12,159
must be kind of a challenge so

503
00:20:16,789 --> 00:20:14,480
i guess um kathy or gwen could you talk

504
00:20:19,350 --> 00:20:16,799
a little bit about how well astronauts

505
00:20:21,350 --> 00:20:19,360
sleep in space and um

506
00:20:23,750 --> 00:20:21,360
is uh is it a really peaceful ride

507
00:20:26,470 --> 00:20:23,760
aboard dragon now is it cruising in

508
00:20:29,350 --> 00:20:26,480
orbit or is there a lights out rule or a

509
00:20:31,830 --> 00:20:29,360
no talking rule um

510
00:20:33,909 --> 00:20:31,840
yeah thanks well you know they do have

511
00:20:36,070 --> 00:20:33,919
little uh curtains that they cover the

512
00:20:38,549 --> 00:20:36,080
windows and um

513
00:20:40,870 --> 00:20:38,559

and they they do get out of their suits

514
00:20:42,870 --> 00:20:40,880
and get comfortable and lay down and you

515
00:20:45,510 --> 00:20:42,880
have to realize too you're you're in

516
00:20:49,590 --> 00:20:45,520
zero g too right so you're you're in a

517
00:20:50,870 --> 00:20:49,600
little bit different uh position

518
00:20:52,789 --> 00:20:50,880
you know these are experienced crew

519
00:20:54,630 --> 00:20:52,799
members and they know that they've got

520
00:20:56,149 --> 00:20:54,640
to get their rest and work through them

521
00:20:57,669 --> 00:20:56,159
and so

522
00:21:00,070 --> 00:20:57,679
the other really great thing is you can

523
00:21:03,350 --> 00:21:00,080
watch them because there'll be nasa a

524
00:21:04,710 --> 00:21:03,360
lot of nasa coverage of of the mission

525
00:21:06,310 --> 00:21:04,720
over this next

526
00:21:12,310 --> 00:21:06,320
um

527
00:21:14,149 --> 00:21:12,320
crew during different activities not

528
00:21:15,590 --> 00:21:14,159
while they're sleeping but doing other

529
00:21:17,909 --> 00:21:15,600
activities and so you'll be able to

530
00:21:19,590 --> 00:21:17,919
watch along what they do these folks

531
00:21:21,590 --> 00:21:19,600
know what they're doing they're very

532
00:21:24,710 --> 00:21:21,600
experienced they know that they got to

533
00:21:26,470 --> 00:21:24,720
get the rest so that they can do the

534
00:21:30,870 --> 00:21:26,480
sequence of events that are coming up

535
00:21:32,310 --> 00:21:30,880
for docking as safely as possible yeah

536
00:21:35,190 --> 00:21:32,320
still would be really hard to sleep

537
00:21:36,710 --> 00:21:35,200
right now are you really excited

538
00:21:39,350 --> 00:21:36,720

you notice them you guys need to watch

539
00:21:41,350 --> 00:21:39,360
them they were actually this crew was

540
00:21:43,590 --> 00:21:41,360
there they were there and they were

541
00:21:45,830 --> 00:21:43,600
enjoying being in space again

542
00:21:50,789 --> 00:21:45,840
yeah what an experience our next

543
00:21:54,950 --> 00:21:53,110
hi congratulations stephen clark from

544
00:21:57,029 --> 00:21:54,960
space flight now i just wanted to

545
00:21:59,270 --> 00:21:57,039
clarify one thing from when the seven

546
00:22:00,470 --> 00:21:59,280
dragon missions in the next uh 15 months

547
00:22:02,789 --> 00:22:00,480
i think you said

548
00:22:05,190 --> 00:22:02,799
uh do those include cargo missions or

549
00:22:08,070 --> 00:22:05,200
are those all crew missions

550
00:22:10,710 --> 00:22:08,080
and also um i wanted to get an update on

551
00:22:12,390 --> 00:22:10,720
uh your crew dragon production line how

552
00:22:13,830 --> 00:22:12,400
many crew dragons are

553
00:22:15,830 --> 00:22:13,840
currently being built you have two that

554
00:22:17,909 --> 00:22:15,840
have launched now um

555
00:22:19,990 --> 00:22:17,919
do you have any other crew dragons being

556
00:22:21,510 --> 00:22:20,000
assembled right now or or will you be

557
00:22:23,909 --> 00:22:21,520
doing your near term missions with these

558
00:22:25,750 --> 00:22:23,919
two vehicles thanks

559
00:22:27,350 --> 00:22:25,760
yeah so i was hedging a little bit i i

560
00:22:29,270 --> 00:22:27,360
did check my phone and the seven

561
00:22:33,750 --> 00:22:29,280
missions i was talking about were all

562
00:22:35,029 --> 00:22:33,760
for nasa uh crs 21 through 24 and three

563
00:22:37,590 --> 00:22:35,039

crew missions

564
00:22:40,470 --> 00:22:37,600
um but i was hedging just in case

565
00:22:42,230 --> 00:22:40,480
um just in case one of those doesn't go

566
00:22:44,310 --> 00:22:42,240
to include a

567
00:22:45,190 --> 00:22:44,320
a commercial mission between now and

568
00:22:46,390 --> 00:22:45,200
then

569
00:22:48,470 --> 00:22:46,400
um

570
00:22:49,830 --> 00:22:48,480
and then the other question you asked

571
00:22:53,510 --> 00:22:49,840
was

572
00:22:57,590 --> 00:22:55,029
oh how many dragons in production thanks

573
00:23:03,590 --> 00:23:00,789
so we have uh the demo two dragon uh is

574
00:23:06,070 --> 00:23:03,600
in the uh refurbishment process uh to

575
00:23:09,270 --> 00:23:06,080
fly um crew two

576
00:23:12,470 --> 00:23:09,280
uh dragon there's a dragon capsule

577
00:23:14,870 --> 00:23:12,480
uh well there's also the crs-21 capsule

578
00:23:16,230 --> 00:23:14,880
um i think there's two more

579
00:23:19,029 --> 00:23:16,240
dry um

580
00:23:21,190 --> 00:23:19,039
uh cargo capsules after that and we will

581
00:23:23,110 --> 00:23:21,200
have three additional

582
00:23:24,710 --> 00:23:23,120
crew dragon capsules

583
00:23:25,590 --> 00:23:24,720
i believe

584
00:23:27,669 --> 00:23:25,600
and

585
00:23:33,830 --> 00:23:27,679
most they're they're all to some extent

586
00:23:37,590 --> 00:23:35,669
okay

587
00:23:40,149 --> 00:23:37,600
so our next question comes from david

588
00:23:41,750 --> 00:23:40,159

mosher of business insider

589
00:23:43,750 --> 00:23:41,760
thank you for taking the question um

590
00:23:45,669 --> 00:23:43,760
kathy i understand the stocking will be

591
00:23:47,750 --> 00:23:45,679
fully automated that's coming up but is

592
00:23:49,830 --> 00:23:47,760
there anything um any stuff you're

593
00:23:52,789 --> 00:23:49,840
particularly concerned about or will be

594
00:23:54,710 --> 00:23:52,799
watching closely and gwen you mentioned

595
00:23:55,909 --> 00:23:54,720
some anomaly data

596
00:23:58,070 --> 00:23:55,919
maybe i misheard you but is there

597
00:24:00,149 --> 00:23:58,080
anything spacex and nasa saw during

598
00:24:03,350 --> 00:24:00,159
launch or seeing in orbit that means

599
00:24:04,630 --> 00:24:03,360
further investigating things

600
00:24:07,350 --> 00:24:04,640
so the

601
00:24:09,750 --> 00:24:07,360
dragon is designed to have an automated

602
00:24:12,549 --> 00:24:09,760
docking and um

603
00:24:15,909 --> 00:24:12,559
right now all the systems have are

604
00:24:19,110 --> 00:24:15,919
working and so we're not um expecting

605
00:24:21,350 --> 00:24:19,120
there to be any issues with the docking

606
00:24:22,870 --> 00:24:21,360
and obviously you know that they'll be

607
00:24:25,510 --> 00:24:22,880
checking out the systems as they get

608
00:24:27,430 --> 00:24:25,520
near station and they check the all the

609
00:24:30,390 --> 00:24:27,440
different sensor suites and make sure

610
00:24:33,350 --> 00:24:30,400
that things are functioning and then the

611
00:24:34,310 --> 00:24:33,360
the crew is also trained on being able

612
00:24:35,830 --> 00:24:34,320
to do

613
00:24:37,669 --> 00:24:35,840

some kind of backup

614
00:24:39,750 --> 00:24:37,679
maneuvers too but right now we're not

615
00:24:44,830 --> 00:24:39,760
expecting any issues and i'm sure

616
00:24:50,950 --> 00:24:48,070
right so um i wanted to get one more

617
00:24:52,710 --> 00:24:50,960
question for hiroshi sasaki we know that

618
00:24:54,549 --> 00:24:52,720
this crew this mission had a lot of

619
00:24:57,190 --> 00:24:54,559
great milestones not only is it the

620
00:24:58,870 --> 00:24:57,200
first crew rotation from a commercial

621
00:25:01,590 --> 00:24:58,880
space vehicle but also you're carrying

622
00:25:04,950 --> 00:25:01,600
the first international astronaut

623
00:25:06,470 --> 00:25:04,960
on this mission what is next for jaxa um

624
00:25:07,350 --> 00:25:06,480
in the in the future

625
00:25:08,549 --> 00:25:07,360
uh next

626
00:25:11,110 --> 00:25:08,559
notes

627
00:25:12,470 --> 00:25:11,120
uh currently we want to

628
00:25:15,990 --> 00:25:12,480
send

629
00:25:17,430 --> 00:25:16,000
astronaut hosidae i will uh

630
00:25:21,430 --> 00:25:17,440
country uh

631
00:25:24,950 --> 00:25:23,669
he will i hope he will

632
00:25:28,789 --> 00:25:24,960
become the

633
00:25:31,990 --> 00:25:29,990
fantastic

634
00:25:34,470 --> 00:25:32,000
well that's gonna we're gonna start

635
00:25:35,909 --> 00:25:34,480
wrapping up our this press conference

636
00:25:37,430 --> 00:25:35,919
but before we do that i'd like to turn

637
00:25:39,029 --> 00:25:37,440
it over to administrator brian stein for

638
00:25:41,669 --> 00:25:39,039

some closing remarks

639
00:25:43,830 --> 00:25:41,679
well sure i think uh what we've seen

640
00:25:46,390 --> 00:25:43,840
today is really remarkable

641
00:25:48,310 --> 00:25:46,400
so much work by so many people over a

642
00:25:50,630 --> 00:25:48,320
sustained period of time

643
00:25:53,750 --> 00:25:50,640
again thank you to spacex and gwen

644
00:25:55,990 --> 00:25:53,760
shotwell and elon musk for being an

645
00:25:57,750 --> 00:25:56,000
amazing partner to nasa for all of these

646
00:26:00,390 --> 00:25:57,760
years

647
00:26:02,630 --> 00:26:00,400
i i think it's also important

648
00:26:05,110 --> 00:26:02,640
to recognize kathy leaders

649
00:26:07,350 --> 00:26:05,120
who was very involved in the commercial

650
00:26:09,590 --> 00:26:07,360
resupply program

651
00:26:11,830 --> 00:26:09,600
which then kind of

652
00:26:13,750 --> 00:26:11,840
led to the development of a commercial

653
00:26:15,990 --> 00:26:13,760
crew program

654
00:26:17,830 --> 00:26:16,000
and of course kathy has done amazing

655
00:26:20,310 --> 00:26:17,840
work through both of those programs

656
00:26:23,110 --> 00:26:20,320
getting us to where we are as an agency

657
00:26:25,029 --> 00:26:23,120
now with commercial crew

658
00:26:26,710 --> 00:26:25,039
and and doing such an amazing job that

659
00:26:28,549 --> 00:26:26,720
we decided to put her in charge of all

660
00:26:31,750 --> 00:26:28,559
human space flight for

661
00:26:34,149 --> 00:26:31,760
nasa so she's now responsible for

662
00:26:38,230 --> 00:26:34,159
getting us to the moon and on to mars so

663
00:26:40,230 --> 00:26:38,240

um just want to say to kathy leaders

664
00:26:42,710 --> 00:26:40,240
nasa is so grateful for all of your

665
00:26:44,549 --> 00:26:42,720
leadership for all of these years

666
00:26:46,710 --> 00:26:44,559
and i can't wait to see the amazing

667
00:26:47,669 --> 00:26:46,720
things that you and the team do in the

668
00:26:49,909 --> 00:26:47,679
future

669
00:26:50,950 --> 00:26:49,919
i also want to thank our

670
00:26:52,789 --> 00:26:50,960
friends

671
00:26:54,789 --> 00:26:52,799
from japan

672
00:26:56,549 --> 00:26:54,799
again there is no better partner to the

673
00:26:58,950 --> 00:26:56,559
united states of america when it comes

674
00:27:00,310 --> 00:26:58,960
to space exploration than the nation of

675
00:27:02,149 --> 00:27:00,320
japan

676
00:27:05,350 --> 00:27:02,159
jaxa has been

677
00:27:07,269 --> 00:27:05,360
with us for a very very long time

678
00:27:09,029 --> 00:27:07,279
they will be with us you will be with us

679
00:27:10,630 --> 00:27:09,039
for a long time into the future when we

680
00:27:13,269 --> 00:27:10,640
think about

681
00:27:14,950 --> 00:27:13,279
the the the artemis program

682
00:27:17,750 --> 00:27:14,960
we thank you for your commitment to the

683
00:27:19,830 --> 00:27:17,760
artemis program for a sustainable return

684
00:27:21,750 --> 00:27:19,840
to the moon

685
00:27:24,630 --> 00:27:21,760
and of course eventually missions to

686
00:27:26,789 --> 00:27:24,640
mars and japan has been an amazing

687
00:27:27,990 --> 00:27:26,799
partner so thank you and of course for

688
00:27:31,750 --> 00:27:28,000

this mission

689
00:27:33,669 --> 00:27:31,760
so unique in that we are now going into

690
00:27:35,590 --> 00:27:33,679
basically operational missions that are

691
00:27:39,269 --> 00:27:35,600
commercial in nature where nasa is a

692
00:27:41,269 --> 00:27:39,279
customer our goal has been and will be

693
00:27:43,350 --> 00:27:41,279
to be one customer of many customers in

694
00:27:44,710 --> 00:27:43,360
a very robust commercial marketplace in

695
00:27:46,070 --> 00:27:44,720
low earth orbit

696
00:27:48,070 --> 00:27:46,080
but we also want to have numerous

697
00:27:49,430 --> 00:27:48,080
providers that are competing on cost and

698
00:27:52,149 --> 00:27:49,440
innovation

699
00:27:54,310 --> 00:27:52,159
and of course safety

700
00:27:56,470 --> 00:27:54,320
we've seen amazing work from spacex

701
00:27:57,990 --> 00:27:56,480
already there's more coming from from

702
00:28:00,710 --> 00:27:58,000
boeing

703
00:28:03,190 --> 00:28:00,720
but i think this this ecosystem

704
00:28:05,510 --> 00:28:03,200
this very virtuous cycle of continuous

705
00:28:07,350 --> 00:28:05,520
development is going to pay benefits to

706
00:28:09,269 --> 00:28:07,360
the american taxpayer and space

707
00:28:11,350 --> 00:28:09,279
exploration

708
00:28:13,190 --> 00:28:11,360
and as these missions go forward and we

709
00:28:16,549 --> 00:28:13,200
get more and more into the commercial

710
00:28:18,950 --> 00:28:16,559
aspects of it the faa is going to

711
00:28:20,710 --> 00:28:18,960
continue to be a critical partner and uh

712
00:28:24,070 --> 00:28:20,720
we're grateful to the leadership there

713
00:28:25,909 --> 00:28:24,080

at the faa for licensing this launch and

714
00:28:27,110 --> 00:28:25,919
moving us forward as a nation into this

715
00:28:29,510 --> 00:28:27,120
new era

716
00:28:33,190 --> 00:28:29,520
of commercial human space flight into

717
00:28:35,510 --> 00:28:33,200
into orbital orbital space so

718
00:28:39,110 --> 00:28:35,520
so many amazing things on this flight

719
00:28:41,029 --> 00:28:39,120
as cathy said earlier it is not over

720
00:28:42,870 --> 00:28:41,039
this was a beautiful launch

721
00:28:45,430 --> 00:28:42,880
and we are all very excited about the

722
00:28:47,350 --> 00:28:45,440
launch but remember this is a this is a

723
00:28:49,269 --> 00:28:47,360
six month mission

724
00:28:51,269 --> 00:28:49,279
and it's the first of many and i will

725
00:28:53,590 --> 00:28:51,279
tell you that

726
00:28:55,350 --> 00:28:53,600
you know we use the word operational

727
00:28:57,350 --> 00:28:55,360
make no mistake when you're flying into

728
00:28:58,950 --> 00:28:57,360
space it is always

729
00:29:01,110 --> 00:28:58,960
there's always risk

730
00:29:03,110 --> 00:29:01,120
and we will always be diligent

731
00:29:05,830 --> 00:29:03,120
and we have all the confidence in the

732
00:29:07,990 --> 00:29:05,840
world in spacex and in the nasa team in

733
00:29:09,590 --> 00:29:08,000
our partners in international partners

734
00:29:11,269 --> 00:29:09,600
faa

735
00:29:13,110 --> 00:29:11,279
and of course boeing upcoming which is

736
00:29:15,830 --> 00:29:13,120
going to be exciting

737
00:29:17,669 --> 00:29:15,840
so i'm just very very thrilled about how

738
00:29:19,350 --> 00:29:17,679

today went and look forward to so many

739
00:29:21,669 --> 00:29:19,360
great days in the future

740
00:29:23,750 --> 00:29:21,679
thank you jim so stay with us we have

741
00:29:26,149 --> 00:29:23,760
lots of exciting news as we mentioned

742
00:29:28,389 --> 00:29:26,159
we'll be having live continuous coverage

743
00:29:29,510 --> 00:29:28,399
for on nasa television through docking

744
00:29:33,510 --> 00:29:29,520
which will happen

745
00:29:35,669 --> 00:29:33,520
at 11 pm um tomorrow and we'll also of

746
00:29:37,350 --> 00:29:35,679
course have the welcome ceremony you get

747
00:29:39,029 --> 00:29:37,360
all this information and lots more at

748
00:29:43,830 --> 00:29:39,039
nasa.gov

749
00:29:45,350 --> 00:29:43,840
live broadcast on nasa tv so thank you

750
00:29:48,070 --> 00:29:45,360
so much for joining us and have a good

751
00:29:51,750 --> 00:29:50,149
here's our first live look inside the

752
00:29:53,830 --> 00:29:51,760
suit up room

753
00:29:56,310 --> 00:29:53,840
crew dragon commander mike hopkins was

754
00:29:58,470 --> 00:29:56,320
born in lebanon missouri

755
00:30:01,190 --> 00:29:58,480
pilot victor glover is a native of

756
00:30:03,750 --> 00:30:01,200
pomona california

757
00:30:05,909 --> 00:30:03,760
and mission specialist shannon walker is

758
00:30:08,230 --> 00:30:05,919
from houston texas

759
00:30:13,110 --> 00:30:08,240
mission specialist naguchi is from

760
00:30:16,870 --> 00:30:14,720
here they come walking down the hall

761
00:30:19,110 --> 00:30:16,880
[Music]

762
00:30:20,230 --> 00:30:19,120
oh quite peppy there that's so cool

763
00:30:24,540 --> 00:30:20,240

they're looking for people they're

764
00:30:30,470 --> 00:30:27,750
[Music]

765
00:30:32,310 --> 00:30:30,480
here they come the crew won astronauts

766
00:30:34,470 --> 00:30:32,320
now beginning their journey to the

767
00:30:36,389 --> 00:30:34,480
launch pad ahead of this historic