
1:21:43
NASA

1
00:00:05,030 --> 00:00:03,429
hello my goodness

2
00:00:06,309 --> 00:00:05,040
thanks very much for all of you uh to

3
00:00:08,150 --> 00:00:06,319
all of you for coming out hopefully you

4
00:00:10,310 --> 00:00:08,160
enjoyed the spectacular launch this

5
00:00:11,669 --> 00:00:10,320
morning i i've just got a very quick

6
00:00:13,270 --> 00:00:11,679
statement that i'd like to make and then

7
00:00:15,190 --> 00:00:13,280
i think they're gonna let me answer try

8
00:00:16,870 --> 00:00:15,200
to answer two questions and then then

9
00:00:18,230 --> 00:00:16,880
we'll be out of here because i i know

10
00:00:19,910 --> 00:00:18,240
you all are whipped

11
00:00:22,550 --> 00:00:19,920
i i really want to take this opportunity

12
00:00:24,310 --> 00:00:22,560
to congratulate spacex for for the

13
00:00:26,630 --> 00:00:24,320

successful launch this morning and

14
00:00:29,269 --> 00:00:26,640
actually salute the nasa team that

15
00:00:31,029 --> 00:00:29,279
worked alongside them to make it happen

16
00:00:33,110 --> 00:00:31,039
today marks the beginning of a new era

17
00:00:35,590 --> 00:00:33,120
in exploration a future in space that

18
00:00:36,950 --> 00:00:35,600
will create good paying jobs here on the

19
00:00:39,110 --> 00:00:36,960
on the florida coast as well as

20
00:00:41,190 --> 00:00:39,120
throughout the united states of america

21
00:00:42,470 --> 00:00:41,200
the significance of this day cannot be

22
00:00:43,990 --> 00:00:42,480
overstated

23
00:00:45,590 --> 00:00:44,000
a private company has launched a

24
00:00:47,990 --> 00:00:45,600
spacecraft to the international space

25
00:00:49,510 --> 00:00:48,000
station that will attempt to dock there

26
00:00:51,670 --> 00:00:49,520
for the first time

27
00:00:53,830 --> 00:00:51,680
and while there's a lot of work ahead to

28
00:00:55,590 --> 00:00:53,840
successfully complete this mission

29
00:00:57,670 --> 00:00:55,600
we're certainly off to a good start and

30
00:00:59,430 --> 00:00:57,680
i hope you would all agree on that

31
00:01:01,349 --> 00:00:59,440
under president obama's leadership the

32
00:01:03,029 --> 00:01:01,359
nation is embarking upon an ambitious

33
00:01:04,710 --> 00:01:03,039
exploration program

34
00:01:06,710 --> 00:01:04,720
that will take us farther into space

35
00:01:08,789 --> 00:01:06,720
than we've ever been before

36
00:01:10,950 --> 00:01:08,799
we're handing off to the private sector

37
00:01:12,630 --> 00:01:10,960
our transportation to the international

38
00:01:15,109 --> 00:01:12,640

space station

39
00:01:16,070 --> 00:01:15,119
so that nasa can focus on what we do

40
00:01:17,910 --> 00:01:16,080
best

41
00:01:20,710 --> 00:01:17,920
exploring even deeper into our solar

42
00:01:22,789 --> 00:01:20,720
system with missions to an asteroid and

43
00:01:24,070 --> 00:01:22,799
mars on the horizon

44
00:01:26,149 --> 00:01:24,080
we're committed to ending the

45
00:01:28,550 --> 00:01:26,159
outsourcing of work on america's space

46
00:01:30,630 --> 00:01:28,560
program and bringing these jobs back

47
00:01:32,870 --> 00:01:30,640
home to america

48
00:01:34,390 --> 00:01:32,880
and we're working to promote competition

49
00:01:36,550 --> 00:01:34,400
and have multiple private sector

50
00:01:39,109 --> 00:01:36,560
partners so we don't find ourselves in

51
00:01:40,710 --> 00:01:39,119
the situation we're in today having only

52
00:01:42,069 --> 00:01:40,720
one way to get our astronauts to the

53
00:01:43,749 --> 00:01:42,079
space station

54
00:01:45,830 --> 00:01:43,759
the decision to end the shuttle program

55
00:01:47,109 --> 00:01:45,840
back in 2004 was actually a dis a

56
00:01:48,710 --> 00:01:47,119
difficult one

57
00:01:51,109 --> 00:01:48,720
but with the kind of hard work

58
00:01:53,749 --> 00:01:51,119
determination and ingenuity for which

59
00:01:56,230 --> 00:01:53,759
nasa and this nation are known we're now

60
00:01:58,389 --> 00:01:56,240
back on the brink of a new future

61
00:02:01,990 --> 00:01:58,399
a future that stands on the shoulders of

62
00:02:04,069 --> 00:02:02,000
mercury and germany apollo and shuttle

63
00:02:06,550 --> 00:02:04,079

a future that embraces the innovation

64
00:02:09,109 --> 00:02:06,560
the private sector brings to the table

65
00:02:11,589 --> 00:02:09,119
and a future that opens up the skies to

66
00:02:14,309 --> 00:02:11,599
endless possibilities again

67
00:02:17,670 --> 00:02:14,319
congratulations to the spacex and nasa

68
00:02:19,270 --> 00:02:17,680
teams and godspeed dragon

69
00:02:21,190 --> 00:02:19,280
with that i'll take a couple of

70
00:02:25,190 --> 00:02:21,200
questions if you have them and you don't

71
00:02:29,270 --> 00:02:26,790
yes

72
00:02:31,190 --> 00:02:29,280
how much does today's launch validate

73
00:02:34,229 --> 00:02:31,200
nasa's approach to partnering with

74
00:02:37,190 --> 00:02:35,350
the question for those of you who may

75
00:02:38,869 --> 00:02:37,200
not have heard is you know how much does

76
00:02:41,110 --> 00:02:38,879
today's flight validate the approach

77
00:02:42,309 --> 00:02:41,120
that nasa is taking to commercial space

78
00:02:44,070 --> 00:02:42,319
flight and what does it say to the

79
00:02:46,150 --> 00:02:44,080
naysayers uh you know

80
00:02:47,830 --> 00:02:46,160
what it does today is it demonstrates

81
00:02:50,309 --> 00:02:47,840
what we've said was the future of

82
00:02:53,190 --> 00:02:50,319
american space space exploration and

83
00:02:55,509 --> 00:02:53,200
it's it's actually using private

84
00:02:57,750 --> 00:02:55,519
industry to provide for access to low

85
00:02:59,830 --> 00:02:57,760
earth orbit while nasa goes off and does

86
00:03:01,750 --> 00:02:59,840
what as i said what nasa does best and

87
00:03:04,309 --> 00:03:01,760
that's exploring doing things that

88
00:03:06,869 --> 00:03:04,319

private industry cannot do uh or should

89
00:03:08,790 --> 00:03:06,879
not do taking the risks uh in things

90
00:03:11,190 --> 00:03:08,800
like sending humans to an asteroid to

91
00:03:13,589 --> 00:03:11,200
mars to other places in our solar system

92
00:03:15,270 --> 00:03:13,599
say it's a great day for for america

93
00:03:17,030 --> 00:03:15,280
it's a it's actually a great day for the

94
00:03:19,270 --> 00:03:17,040
world because um you know there are

95
00:03:21,750 --> 00:03:19,280
people who thought that that uh we had

96
00:03:23,270 --> 00:03:21,760
gone away and and today says no we're

97
00:03:26,390 --> 00:03:23,280
not gone away at all we've got the

98
00:03:27,910 --> 00:03:26,400
dragon the spacex nasa team that came

99
00:03:29,430 --> 00:03:27,920
through this morning with flying colors

100
00:03:40,470 --> 00:03:29,440
and i hope everybody celebrates that for

101
00:03:44,869 --> 00:03:42,070
the question was you know today was a

102
00:03:46,390 --> 00:03:44,879
launch that was very successful uh this

103
00:03:48,869 --> 00:03:46,400
for spacex

104
00:03:50,390 --> 00:03:48,879
will end their participation in the cots

105
00:03:52,869 --> 00:03:50,400
program and then they move you didn't

106
00:03:55,190 --> 00:03:52,879
say all this but i'm i'm amplifying and

107
00:03:57,750 --> 00:03:55,200
then they move into crs which is cargo

108
00:04:00,470 --> 00:03:57,760
resupply services um and and how

109
00:04:02,470 --> 00:04:00,480
difficult is it from here on out as i

110
00:04:05,750 --> 00:04:02,480
briefed a focal who were our guest over

111
00:04:08,070 --> 00:04:05,760
in osb2 today was the first of a number

112
00:04:10,309 --> 00:04:08,080
of milestones in this mission what a

113
00:04:11,670 --> 00:04:10,319

spectacular start i mean it was just

114
00:04:15,509 --> 00:04:11,680
picture perfect

115
00:04:17,349 --> 00:04:15,519
vehicle is working well the next big

116
00:04:20,229 --> 00:04:17,359
milestone for us

117
00:04:22,710 --> 00:04:20,239
is about geez about an hour from now

118
00:04:26,070 --> 00:04:22,720
when the gnc door on the dragon module

119
00:04:28,070 --> 00:04:26,080
opens that exposes the the star trackers

120
00:04:31,270 --> 00:04:28,080
and the navigation instruments on board

121
00:04:33,270 --> 00:04:31,280
dragon to deep space more importantly

122
00:04:34,790 --> 00:04:33,280
though when that door opens it has the

123
00:04:37,189 --> 00:04:34,800
grapple fixture on the inside of the

124
00:04:38,310 --> 00:04:37,199
door we have to have the door lock in

125
00:04:40,550 --> 00:04:38,320
place

126
00:04:42,629 --> 00:04:40,560
in order for dragon to be birthed to the

127
00:04:45,110 --> 00:04:42,639
international space station so so that's

128
00:04:47,590 --> 00:04:45,120
the next big hurdle uh after that we've

129
00:04:49,670 --> 00:04:47,600
got a few days for dragon to get itself

130
00:04:51,990 --> 00:04:49,680
kind of if if you think about it as a

131
00:04:53,830 --> 00:04:52,000
human to get its uh you know its space

132
00:04:55,749 --> 00:04:53,840
legs on and get accustomed to being

133
00:04:57,590 --> 00:04:55,759
there and then

134
00:04:59,110 --> 00:04:57,600
tomorrow and the day after they actually

135
00:05:00,790 --> 00:04:59,120
affect the rendezvous with the

136
00:05:02,870 --> 00:05:00,800
international space station where dragon

137
00:05:04,150 --> 00:05:02,880
finds it which is not i mean that's not

138
00:05:05,830 --> 00:05:04,160

a small task

139
00:05:08,070 --> 00:05:05,840
after that happens dragon will fly

140
00:05:10,390 --> 00:05:08,080
around the international space station

141
00:05:12,629 --> 00:05:10,400
do some maneuvers to demonstrate its

142
00:05:14,710 --> 00:05:12,639
ability to be controlled uh from the

143
00:05:17,350 --> 00:05:14,720
ground and its ability to do autonomous

144
00:05:20,710 --> 00:05:17,360
control on board the dragon itself then

145
00:05:22,629 --> 00:05:20,720
it will back off will take a few hours

146
00:05:24,550 --> 00:05:22,639
or a day or so because that that will

147
00:05:26,790 --> 00:05:24,560
complete flight number two of the

148
00:05:29,590 --> 00:05:26,800
demonstration flights and then once the

149
00:05:32,310 --> 00:05:29,600
dragon team uh the spacex team and and

150
00:05:33,670 --> 00:05:32,320
the nasa teams get together uh with our

151
00:05:35,909 --> 00:05:33,680
international partners by the way and

152
00:05:37,590 --> 00:05:35,919
say okay we think everything is met all

153
00:05:38,710 --> 00:05:37,600
the criteria met for approach close

154
00:05:41,350 --> 00:05:38,720
approach to the international space

155
00:05:42,710 --> 00:05:41,360
station then dragon will close to within

156
00:05:45,029 --> 00:05:42,720
meters of the international space

157
00:05:47,189 --> 00:05:45,039
station the onboard crew will take over

158
00:05:49,830 --> 00:05:47,199
from there on will reach out with the

159
00:05:52,070 --> 00:05:49,840
space station arm

160
00:05:53,670 --> 00:05:52,080
get hold of the grapple fixture pull it

161
00:05:56,309 --> 00:05:53,680
up snugly to the international space

162
00:05:58,469 --> 00:05:56,319
station it'll be have some bolts that'll

163
00:06:00,230 --> 00:05:58,479

be screwed in place and make it one with

164
00:06:01,430 --> 00:06:00,240
the international space station

165
00:06:03,270 --> 00:06:01,440
when all the pressures are checked on

166
00:06:05,110 --> 00:06:03,280
both sides of the hatch the crew will

167
00:06:08,150 --> 00:06:05,120
physically open the hatch and that will

168
00:06:10,070 --> 00:06:08,160
expose dragon's interior to the crew

169
00:06:11,830 --> 00:06:10,080
inside the international space station

170
00:06:14,710 --> 00:06:11,840
and for the next few days there will be

171
00:06:18,550 --> 00:06:17,189
not an easy pass this is um this is this

172
00:06:20,710 --> 00:06:18,560
is good stuff

173
00:06:22,629 --> 00:06:20,720
you know i i i tell people all the time

174
00:06:25,430 --> 00:06:22,639
i'm i am really excited about what's

175
00:06:27,590 --> 00:06:25,440
going on this is what makes people in

176
00:06:29,990 --> 00:06:27,600
the space business get up in the morning

177
00:06:32,150 --> 00:06:30,000
and come to work uh and and hopefully

178
00:06:33,670 --> 00:06:32,160
since most of you are space reporters

179
00:06:35,590 --> 00:06:33,680
you wouldn't be out here if you weren't

180
00:06:38,070 --> 00:06:35,600
excited about this so hopefully the

181
00:06:40,629 --> 00:06:38,080
stories you tell today and tomorrow and

182
00:06:43,270 --> 00:06:40,639
the weeks ahead will be stories about

183
00:06:45,029 --> 00:06:43,280
victory and triumph because you know the

184
00:06:47,029 --> 00:06:45,039
future will have some difficult times

185
00:06:48,950 --> 00:06:47,039
but today it's a time for the united

186
00:06:50,629 --> 00:06:48,960
states for spacex and the nasa team to

187
00:06:52,469 --> 00:06:50,639
celebrate and that that's all i'm going

188
00:06:54,469 --> 00:06:52,479

to have time for i really apologize but

189
00:06:57,909 --> 00:06:54,479
i'm i'm trying to get back to washington