1
00:00:06,869 --> 00:00:04,789
spacex is uh arming the command to send

2
00:00:09,190 --> 00:00:06,879
a dragon to resume its approach to the

3
00:00:10,070 --> 00:00:09,200
international space station john coloras

4
00:00:15,509 --> 00:00:10,080
the

5
00:00:16,950 --> 00:00:15,519
california is talking with his team

6
00:00:20,230 --> 00:00:16,960
they'll be executing this here uh

7
00:00:20,240 --> 00:00:22,950
mode approach

8
00:00:28,230 --> 00:00:25,509
the command is being sent

9
00:00:30,790 --> 00:00:28,240
we concur andre the vehicle is resuming

10
00:00:33,430 --> 00:00:30,800
the approach from 250 meters you can

11
00:00:35,430 --> 00:00:33,440
perform step five now in your procedure

12
00:00:46,229 --> 00:00:35,440
you have a go to send the hold command

13
00:00:49,750 --> 00:00:47,830

station houston on space to ground two

14
00:00:51,590 --> 00:00:49,760
for dragon

15
00:00:53,510 --> 00:00:51,600
go ahead

16
00:00:55,990 --> 00:00:53,520
we are going to continue sending the

17
00:00:57,590 --> 00:00:56,000
vehicle toward 30 meters you will see

18
00:01:00,229 --> 00:00:57,600
the vehicle begin the approach

19
00:01:02,709 --> 00:01:00,239
momentarily we're going to be continuing

20
00:01:04,229 --> 00:01:02,719
to monitor the thermal imager data and

21
00:01:12,149 --> 00:01:04,239
we'd like to ask you to continue to

22
00:01:17,590 --> 00:01:13,990
this station

23
00:01:20,149 --> 00:01:17,600
on camera seventh vehicle

24
00:01:22,789 --> 00:01:20,159
maybe one quarter

25
00:01:24,469 --> 00:01:22,799
forward or three outline slightly

26
00:01:26,550 --> 00:01:24,479
smaller

27
00:01:28,070 --> 00:01:26,560
and camera nine

28
00:01:30,870 --> 00:01:28,080
it's about

29
00:01:35,990 --> 00:01:30,880
one-third forward of outline

30
00:01:36,000 --> 00:01:43,510
hi copy andre good report thank you

31
00:01:47,990 --> 00:01:46,310
using station we completed the tree and

32
00:01:53,190 --> 00:01:48,000
crew is ready for dragon approach to

33
00:01:57,030 --> 00:01:55,109
andre we copy you've completed the brief

34
00:01:59,830 --> 00:01:57,040
standby

35
00:02:01,109 --> 00:01:59,840
so dragon continues to wait

36
00:02:03,190 --> 00:02:01,119
about 30 meters away from the

37
00:02:04,950 --> 00:02:03,200
international space station

38
00:02:06,469 --> 00:02:04,960

you see the station's armed they're

39
00:02:11,510 --> 00:02:06,479
poised

40
00:02:15,830 --> 00:02:13,670
station houston on space to ground 2

41
00:02:21,030 --> 00:02:15,840
dragon will be departing the 30 meter

42
00:02:27,670 --> 00:02:23,030
station houston you have a go for

43
00:02:31,670 --> 00:02:29,350
this is mission control houston don

44
00:02:34,150 --> 00:02:31,680
pettit will now take control

45
00:02:36,470 --> 00:02:34,160
of the space station's 58 foot long

46
00:02:38,070 --> 00:02:36,480
robotic arm he will reach out and

47
00:02:40,390 --> 00:02:38,080
attempt to capture this dragon

48
00:02:41,990 --> 00:02:40,400
spacecraft which is now holding at 10

49
00:02:52,070 --> 00:02:42,000
meters away from the space station

50
00:02:56,229 --> 00:02:54,309
the spacex team is reporting that dragon

51
00:02:57,589 --> 00:02:56,239
is in free drift there will be no more

52
00:03:01,110 --> 00:02:57,599
engine firings at this point so

53
00:03:03,910 --> 00:03:02,390
flying in formation with the

54
00:03:06,149 --> 00:03:03,920
international space station as don

55
00:03:07,589 --> 00:03:06,159
pettit reaches out with the arm to latch

56
00:03:28,309 --> 00:03:07,599
onto it

57
00:03:55,110 --> 00:03:29,750
they're initiating the capture of the

58
00:03:55,120 --> 00:04:02,949
capture is confirmed

59
00:04:05,990 --> 00:04:04,309
you've made a lot of folks happy down

60
00:04:10,070 --> 00:04:06,000
here over in hawthorne and right here in

61
00:04:14,229 --> 00:04:12,149
a huge sensation looks like we got us a

62
00:04:17,030 --> 00:04:14,239
dragon by the tail

63
00:04:18,789 --> 00:04:17,040

we're thinking uh this sim went really

64
00:04:22,310 --> 00:04:18,799
well we're ready to turn it around and

65
00:04:22,320 --> 00:04:28,950
all right don we'll put that in work

66
00:04:34,310 --> 00:04:30,710
you should station on

67
00:04:37,909 --> 00:04:34,320
two with more comments on inspection

68
00:04:45,670 --> 00:04:41,110
yes i could verify that all

69
00:04:49,110 --> 00:04:45,680
cbm nut holes are clear of any fod

70
00:04:53,510 --> 00:04:52,469
tmg or micro meteorite shielding

71
00:04:56,070 --> 00:04:53,520
the

72
00:04:59,510 --> 00:04:56,080
o-rings all look clean no sign of any

73
00:05:02,310 --> 00:04:59,520
micro meteorite impact debris at all so

74
00:05:05,189 --> 00:05:02,320
it looks like a clean interface and the

75
00:05:07,430 --> 00:05:05,199
uh high power binoculars i think gave us

76
00:05:11,270 --> 00:05:07,440
a better view than what we would have

77
00:05:53,430 --> 00:05:13,430
copy don good inspection from your

78
00:05:58,550 --> 00:05:56,390
the station's robotic arm is now being

79
00:06:01,189 --> 00:05:58,560
repositioning or is repositioning the

80
00:06:03,270 --> 00:06:01,199
dragon spacecraft to what's known as the

81
00:06:05,350 --> 00:06:03,280
pre-install position you can see the

82
00:06:07,430 --> 00:06:05,360
adjustments being made

83
00:06:09,350 --> 00:06:07,440
directly through the

84
00:06:11,749 --> 00:06:09,360
camera view on the

85
00:06:15,029 --> 00:06:11,759
centerline birthing camera system

86
00:06:21,670 --> 00:06:15,039
looking directly up at the dragon

87
00:06:27,110 --> 00:06:24,309
the dragon spacecraft solar rays are now

88
00:06:29,909 --> 00:06:27,120

being repositioned for the

89
00:06:33,270 --> 00:06:29,919
birthing activities

90
00:06:36,070 --> 00:06:33,280
once the solar rays on dragon are

91
00:06:36,870 --> 00:06:36,080
verified to be in the proper position

92
00:07:02,790 --> 00:06:36,880
the

93
00:07:07,749 --> 00:07:05,189
station houston space round two

94
00:07:09,990 --> 00:07:07,759
thrusters are disabled d sets inhibited

95
00:07:12,309 --> 00:07:10,000
we're ready for step seven of procedure

96
00:07:28,950 --> 00:07:12,319
one point two one zero drag and maneuver

97
00:07:28,960 --> 00:07:33,270
on the rtls

98
00:07:33,280 --> 00:07:37,110
houston concurs

99
00:07:46,390 --> 00:07:42,710
cbm operator this is ss rms operator you

100
00:07:48,629 --> 00:07:46,400
have a go for first stage capture

101
00:07:50,390 --> 00:07:48,639
copy you have to go for first stage

102
00:07:52,869 --> 00:07:50,400
capturing with that houston i'll put in

103
00:07:55,189 --> 00:07:52,879
one decimal one one zero steps one

104
00:08:00,150 --> 00:07:55,199
through four and work

105
00:08:04,710 --> 00:08:03,270
and we have confirmation at 10 52 a.m of

106
00:08:07,589 --> 00:08:04,720
a nominal

107
00:08:12,710 --> 00:08:07,599
first stage capture

108
00:08:14,790 --> 00:08:12,720
ss rms operator you have a go for ss rms

109
00:08:21,270 --> 00:08:14,800
mode two lamp

110
00:08:26,869 --> 00:08:24,150
station's robotic arm now the tension of

111
00:08:29,189 --> 00:08:26,879
the arm holding uh dragon in place has

112
00:08:31,029 --> 00:08:29,199
now been released essentially the

113
00:08:34,149 --> 00:08:31,039

station's robotic arm

114
00:08:35,509 --> 00:08:34,159
is uh in what's known as limp mode and

115
00:08:38,149 --> 00:08:35,519
that uh

116
00:08:40,790 --> 00:08:38,159
once that was completed the crew's been

117
00:08:42,389 --> 00:08:40,800
given a go to

118
00:08:44,070 --> 00:08:42,399
for second stage capture that

119
00:08:45,670 --> 00:08:44,080
essentially will

120
00:08:47,190 --> 00:08:45,680
is the final step

121
00:08:49,910 --> 00:08:47,200
in

122
00:08:51,509 --> 00:08:49,920
the actual

123
00:08:54,470 --> 00:08:51,519
birthing

124
00:08:59,670 --> 00:08:54,480
time of dragon to the harmony modules

125
00:09:05,990 --> 00:09:01,910
this is mission control houston at 11 02

126
00:09:08,630 --> 00:09:06,000
a.m central 1202 pm eastern time second

127
00:09:10,630 --> 00:09:08,640
stage capture is complete at a mission

128
00:09:12,790 --> 00:09:10,640
elapsed time for dragon of three days

129
00:09:15,269 --> 00:09:12,800
eight hours 18 minutes

130
00:09:17,350 --> 00:09:15,279
the dragon spacecraft now part of the

131
00:09:18,230 --> 00:09:17,360
international space station complex the

132
00:09:21,190 --> 00:09:18,240
first

133
00:09:22,710 --> 00:09:21,200
ever commercial spacecraft to visit the

134
00:09:26,230 --> 00:09:22,720
international space station and the