



1
00:00:07,670 --> 00:00:05,749
and just like that dragon has been

2
00:00:10,470 --> 00:00:07,680
released getting the call the snares are

3
00:00:13,509 --> 00:00:10,480
open 340 right on time

4
00:00:15,669 --> 00:00:13,519
again we'll slowly start to see dragon

5
00:00:17,189 --> 00:00:15,679
uh separate a bit from the robotic arm

6
00:00:19,109 --> 00:00:17,199
there it's going to get slowly drawn

7
00:00:21,269 --> 00:00:19,119
back and then dragon will be able to

8
00:00:23,590 --> 00:00:21,279
execute all of those departure burns

9
00:00:26,070 --> 00:00:23,600
this if you write down the barrel of the

10
00:00:31,509 --> 00:00:26,080
robotic arm as it slowly retracts away

11
00:00:36,630 --> 00:00:33,510
again that release coming right on time

12
00:00:38,150 --> 00:00:36,640
3 40 a.m central 4 40 a.m eastern while

13
00:01:19,590 --> 00:00:38,160

the station flew to the south of

14

00:01:25,590 --> 00:01:22,550

the arm continuing to slowly back away

15

00:01:27,350 --> 00:01:25,600

should start to see the first of

16

00:02:05,030 --> 00:01:27,360

several departure burns coming up any

17

00:02:05,040 --> 00:02:13,030

the arm already about one meter away

18

00:02:59,110 --> 00:02:15,430

two meters in the opening the

19

00:03:34,070 --> 00:03:01,430

and so with the arm backed away the

20

00:03:51,670 --> 00:03:37,910

and the first departure burn has begun

21

00:04:02,070 --> 00:03:53,429

visiting vehicle officer here in houston

22

00:04:08,229 --> 00:04:04,710

the station houston on two departure

23

00:04:16,069 --> 00:04:08,239

burn one is complete departure burn two

24

00:04:16,079 --> 00:04:41,909

copies

25

00:04:46,310 --> 00:04:44,310

so in about 30 seconds the

26
00:04:49,350 --> 00:04:46,320
second departure burn should begin you

27
00:04:50,469 --> 00:04:49,360
can see dragons slowly making its way

28
00:04:51,909 --> 00:04:50,479
out of the neighborhood of the

29
00:04:53,189 --> 00:04:51,919
international space station again it's

30
00:04:54,710 --> 00:04:53,199
going to execute a series of these

31
00:04:56,550 --> 00:04:54,720
departure burns

32
00:04:57,990 --> 00:04:56,560
slowly getting further and further away

33
00:04:59,590 --> 00:04:58,000
it's going to exit what's known as the

34
00:05:02,150 --> 00:04:59,600
keep out sphere and the approach

35
00:05:03,830 --> 00:05:02,160
ellipsoid and those are basically

36
00:05:05,749 --> 00:05:03,840
imaginary boundaries drawn around the

37
00:05:07,430 --> 00:05:05,759
international space station

38
00:05:08,790 --> 00:05:07,440

where a lot of rules and coordination

39

00:05:10,629 --> 00:05:08,800

with the international space station

40

00:05:13,590 --> 00:05:10,639

flight control team come into play for

41

00:05:15,590 --> 00:05:13,600

any visiting vehicles

42

00:05:18,310 --> 00:05:15,600

and all of this just

43

00:05:23,510 --> 00:05:18,320

setting up ultimately for the deorbit

44

00:05:28,469 --> 00:05:25,749

there we see it moving at a slightly

45

00:05:29,350 --> 00:05:28,479

higher clip now that a second departure

46

00:05:33,189 --> 00:05:29,360

burn

47

00:05:33,199 --> 00:05:41,749

station houston on 2-4 dragon

48

00:05:46,310 --> 00:05:43,430

all right departure burn 2 is complete

49

00:05:52,870 --> 00:05:46,320

and you are go for ss rms safing

50

00:06:00,070 --> 00:05:56,070

we go for safety and step five

51
00:06:01,909 --> 00:06:00,080
that's a firm and departure burn three

52
00:06:04,070 --> 00:06:01,919
is in about six

53
00:06:11,749 --> 00:06:04,080
minutes and you are go to monitor per

54
00:06:11,759 --> 00:07:00,309
inward step three of 1.602

55
00:07:05,270 --> 00:07:02,469
and so for right now two departure burns

56
00:07:07,270 --> 00:07:05,280
already completed a third one coming up

57
00:07:09,510 --> 00:07:07,280
in just a couple of minutes

58
00:07:13,350 --> 00:07:09,520
again that release came right on time at

59
00:07:14,950 --> 00:07:13,360
3 40 a.m central time 4 40 a.m eastern

60
00:07:34,150 --> 00:07:14,960
while the station was flying just to the

61
00:07:37,589 --> 00:07:36,309
continuing to get some external camera

62
00:07:40,070 --> 00:07:37,599
views of

63
00:07:42,309 --> 00:07:40,080

the spacex dragon as it flies away from

64

00:07:45,110 --> 00:07:42,319

the international space station the

65

00:07:48,950 --> 00:07:45,120

unmanned cargo craft which delivered

66

00:07:51,110 --> 00:07:48,960

about 6 400 pounds of supplies and cargo

67

00:07:53,110 --> 00:07:51,120

to the station back in august

68

00:07:56,390 --> 00:07:53,120

now packed with a little over 3 800

69

00:07:58,869 --> 00:07:56,400

pounds and bound back for planet earth

70

00:08:01,510 --> 00:07:58,879

had an on-time release right at 3 40 a.m

71

00:08:03,189 --> 00:08:01,520

central 4 40 a.m eastern

72

00:08:05,270 --> 00:08:03,199

and so far so good with all these

73

00:08:07,189 --> 00:08:05,280

departure burns one more to execute and

74

00:08:08,629 --> 00:08:07,199

then it'll eventually make its way out

75

00:08:11,029 --> 00:08:08,639

of the keep out sphere and the approach

76

00:08:13,110 --> 00:08:11,039

ellipsoid and then all of that will set

77

00:08:16,790 --> 00:08:13,120

it up for deorbit burn a couple of hours

78

00:08:18,869 --> 00:08:16,800

from now targeted at 8 24 a.m central 9

79

00:08:20,869 --> 00:08:18,879

24 a.m eastern

80

00:08:24,309 --> 00:08:20,879

all of that ultimately culminating in a

81

00:08:27,430 --> 00:08:24,319

splashdown at 9 14 a.m

82

00:08:30,230 --> 00:08:27,440

central 10 14 a.m eastern

83

00:08:32,469 --> 00:08:30,240

and once it splashes down

84

00:08:34,870 --> 00:08:32,479

recovery technicians will pick it up and

85

00:08:36,709 --> 00:08:34,880

take it back to california where a lot

86

00:08:39,269 --> 00:08:36,719

of that cargo will get offloaded and

87

00:08:40,630 --> 00:08:39,279

immediately sent back here to houston

88

00:08:42,469 --> 00:08:40,640

where it then gets delivered to the

89

00:08:44,310 --> 00:08:42,479

various scientists around the country

90

00:08:46,710 --> 00:08:44,320

and around the world at the various

91

00:08:48,550 --> 00:08:46,720

international partners taking part in

92

00:08:50,550 --> 00:08:48,560

the research on board the international

93

00:08:52,470 --> 00:08:50,560

space station so

94

00:08:54,389 --> 00:08:52,480

still a lot of miles left to travel for

95

00:08:56,230 --> 00:08:54,399

a lot of this research but everything

96

00:09:04,710 --> 00:08:56,240

kicking off with this journey home with

97

00:09:08,710 --> 00:09:06,949

now the third departure burn for dragon

98

00:09:12,070 --> 00:09:08,720

has begun

99

00:09:13,829 --> 00:09:12,080

and that burn already completed

100

00:09:15,269 --> 00:09:13,839

and the visiting vehicle officer here in

101

00:09:20,630 --> 00:09:15,279

houston reporting everything is still

102

00:09:23,509 --> 00:09:22,150

the view is obviously getting a little

103

00:09:25,430 --> 00:09:23,519

bit darker

104

00:09:27,590 --> 00:09:25,440

departure burn three is complete and the