
THIS IS
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NASA
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HURLEY
BEHNKEN
F9
DM-2
FIRST CREWED FLIGHT
NASA SPACEX

1
00:00:04,230 --> 00:00:02,389
hi my name is doug hurley and i'm the

2
00:00:05,590 --> 00:00:04,240
spacecraft commander for the demo 2

3
00:00:17,830 --> 00:00:05,600
mission to the international space

4
00:00:23,269 --> 00:00:20,230
this mission is the crude test flight

5
00:00:24,950 --> 00:00:23,279
for the spacex crew dragon so every

6
00:00:27,029 --> 00:00:24,960
portion of the flight this will be the

7
00:00:29,990 --> 00:00:27,039
first time the dragon crew dragon has

8
00:00:32,229 --> 00:00:30,000
had a crew on board and so there's a a

9
00:00:36,310 --> 00:00:32,239
myriad of objectives we want to achieve

10
00:00:36,320 --> 00:00:40,310
the rendezvous and docking phase

11
00:00:43,990 --> 00:00:42,310
and then we'll spend some time onboard

12
00:00:46,229 --> 00:00:44,000
space station and do some docked

13
00:00:47,350 --> 00:00:46,239

activities with the vehicle and then at

14
00:00:50,470 --> 00:00:47,360
some point

15
00:00:52,470 --> 00:00:50,480
30 to 90 days later we will undock and

16
00:00:58,310 --> 00:00:52,480
do an entry and then landing in the

17
00:01:03,910 --> 00:01:00,869
it's it's a story

18
00:01:05,429 --> 00:01:03,920
on sts-127 which was my first flight i

19
00:01:07,429 --> 00:01:05,439
think we scrubbed

20
00:01:09,990 --> 00:01:07,439
on the order of six times over the

21
00:01:12,870 --> 00:01:10,000
course of about a month it was literally

22
00:01:14,469 --> 00:01:12,880
groundhog day trying to get into space

23
00:01:17,429 --> 00:01:14,479
and of course it's your first flight so

24
00:01:19,190 --> 00:01:17,439
you really really want to go we just had

25
00:01:21,109 --> 00:01:19,200
technical challenges for the first two

26
00:01:23,190 --> 00:01:21,119
or three launch attempts and then had to

27
00:01:25,030 --> 00:01:23,200
scrub for weather a number of times

28
00:01:26,390 --> 00:01:25,040
before we finally got to go that's why

29
00:01:27,590 --> 00:01:26,400
you got to go to the pad you got to get

30
00:01:28,950 --> 00:01:27,600
in the vehicle because you never know

31
00:01:30,950 --> 00:01:28,960
when the weather's going to clear it's

32
00:01:33,109 --> 00:01:30,960
not the best of stories but

33
00:01:36,310 --> 00:01:33,119
i think back so fondly on that mission

34
00:01:43,030 --> 00:01:36,320
we worked really hard for 16 days but it

35
00:01:46,550 --> 00:01:44,870
we first got down to kennedy we got

36
00:01:49,190 --> 00:01:46,560
every checklist out and every

37
00:01:51,109 --> 00:01:49,200
responsibility that each one of us had

38
00:01:53,270 --> 00:01:51,119

we kind of almost

39
00:01:55,109 --> 00:01:53,280
table topped it for the first couple

40
00:01:58,310 --> 00:01:55,119
days and you see that in sports teams

41
00:02:00,950 --> 00:01:58,320
you see the coaches uh and players that

42
00:02:04,389 --> 00:02:00,960
spend that extra time after practice and

43
00:02:06,310 --> 00:02:04,399
at night reviewing film and going over

44
00:02:08,070 --> 00:02:06,320
films of the other teams i think that's

45
00:02:10,150 --> 00:02:08,080
what you need to do in a space flight is

46
00:02:13,190 --> 00:02:10,160
you need to know what you're going to do

47
00:02:15,110 --> 00:02:13,200
almost instinctively if not completely

48
00:02:22,229 --> 00:02:15,120
by heart and then go from there and i

49
00:02:26,150 --> 00:02:23,990
with the shuttle you were on your back

50
00:02:28,630 --> 00:02:26,160
for almost four hours waiting to launch

51
00:02:30,470 --> 00:02:28,640
so part of it was just let's get this

52
00:02:33,350 --> 00:02:30,480
over with and get going but then when

53
00:02:35,190 --> 00:02:33,360
the when the engine's light it it you

54
00:02:37,270 --> 00:02:35,200
know you are going and you know you're

55
00:02:39,270 --> 00:02:37,280
going somewhere pretty fast and you go

56
00:02:41,030 --> 00:02:39,280
from in the case to the shuttle you go

57
00:02:42,790 --> 00:02:41,040
from three g's to zero g's

58
00:02:45,030 --> 00:02:42,800
instantaneously and things start

59
00:02:46,070 --> 00:02:45,040
floating and i remember distinctly just

60
00:02:47,830 --> 00:02:46,080
thinking

61
00:02:49,750 --> 00:02:47,840
what just happened because eight and a

62
00:02:52,390 --> 00:02:49,760
half minutes ago i was on earth and now

63
00:02:54,550 --> 00:02:52,400

i'm in space and obviously with falcon 9

64
00:02:56,710 --> 00:02:54,560
and dragon this will be the first time

65
00:02:58,630 --> 00:02:56,720
humans have ridden on the falcon 9 even

66
00:03:00,949 --> 00:02:58,640
though it's flown many many times you

67
00:03:02,710 --> 00:03:00,959
tend to pull more g's the first stage is

68
00:03:04,790 --> 00:03:02,720
pretty similar like shuttle we had about

69
00:03:06,390 --> 00:03:04,800
a two and a half minute first stage the

70
00:03:09,509 --> 00:03:06,400
difference is going to be

71
00:03:11,670 --> 00:03:09,519
with falcon 9 the engines

72
00:03:13,190 --> 00:03:11,680
you know you separate from that part of

73
00:03:14,869 --> 00:03:13,200
the rocket with the engines the first

74
00:03:17,430 --> 00:03:14,879
stage and so you get kind of a

75
00:03:19,750 --> 00:03:17,440
weightlessness there for a lack of

76
00:03:21,830 --> 00:03:19,760
acceleration there for a split second or

77
00:03:23,589 --> 00:03:21,840
two so that part of it is going to be

78
00:03:25,990 --> 00:03:23,599
distinctly different we could experience

79
00:03:27,830 --> 00:03:26,000
somewhere on the order of four plus g's

80
00:03:30,490 --> 00:03:27,840
whereas shuttle we were limited to just

81
00:03:33,670 --> 00:03:30,500
three g's

82
00:03:37,030 --> 00:03:35,750
i think our concentration has mostly

83
00:03:39,430 --> 00:03:37,040
been on

84
00:03:42,309 --> 00:03:39,440
you know the profile the the crew

85
00:03:44,869 --> 00:03:42,319
vehicle uh interface you know just how

86
00:03:46,869 --> 00:03:44,879
it how the dragon will work for crews

87
00:03:48,710 --> 00:03:46,879
going forward that's why we're going to

88
00:03:50,949 --> 00:03:48,720

do this flight now is to prove out what

89
00:03:57,030 --> 00:03:50,959
we think it will do ideally it will do

90
00:04:00,869 --> 00:03:58,470
the first

91
00:04:03,110 --> 00:04:00,879
simulator where we integrated the

92
00:04:05,429 --> 00:04:03,120
hawthorne mission control team and the

93
00:04:07,429 --> 00:04:05,439
houston mission control team was a huge

94
00:04:09,750 --> 00:04:07,439
moment to be able to just have the

95
00:04:11,670 --> 00:04:09,760
entire integrated

96
00:04:13,589 --> 00:04:11,680
team that's going to support us getting

97
00:04:15,830 --> 00:04:13,599
to and from space station talking

98
00:04:17,670 --> 00:04:15,840
together working through the challenges

99
00:04:20,150 --> 00:04:17,680
i think that was probably for me that

100
00:04:22,310 --> 00:04:20,160
the first big highlight and that wasn't

101
00:04:24,390 --> 00:04:22,320
that long ago it overwhelms you to think

102
00:04:27,350 --> 00:04:24,400
about how many people

103
00:04:29,350 --> 00:04:27,360
have in some way shape or form touch

104
00:04:32,150 --> 00:04:29,360
this program and this and this vehicle

105
00:04:34,390 --> 00:04:32,160
to get us to this point you know we

106
00:04:36,950 --> 00:04:34,400
obviously in a lot of ways are are the

107
00:04:38,790 --> 00:04:36,960
lucky ones that get to fly it but we

108
00:04:41,270 --> 00:04:38,800
certainly um

109
00:04:43,350 --> 00:04:41,280
not for one second take for granted the

110
00:04:45,430 --> 00:04:43,360
amount of effort that so many other

111
00:04:47,670 --> 00:04:45,440
people had to put into this to make it

112
00:04:49,030 --> 00:04:47,680
successful and uh you know we'll do our

113
00:04:51,510 --> 00:04:49,040

part to

114
00:04:53,430 --> 00:04:51,520
to make it successful and to

115
00:04:56,230 --> 00:04:53,440
and to get back here and celebrate with

116
00:05:00,230 --> 00:04:56,240
everybody uh in a few short months very