

A woman with dark hair, wearing a tan blazer over a black top, is the central focus. She is holding a large, black, fuzzy microphone in front of her. The background is a busy technical or laboratory environment with various pieces of equipment, cables, and several people. One person in a red shirt is seen from the back, and another in a black shirt is facing the woman. To the right, a woman in an orange top is looking at a green folder. The floor is grey, and there are some green and white striped boxes on the left. A sign with the words "EMERGENCY EXIT" is visible on a door in the background. The overall lighting is bright and industrial.

www.nasa.gov/GOES-0

1
00:00:09,110 --> 00:00:07,099
sylvia with massive go to television and

2
00:00:12,740 --> 00:00:09,120
we're here at Cape Canaveral Florida

3
00:00:14,870 --> 00:00:12,750
this is Air Force Station launch pad 37

4
00:00:18,109 --> 00:00:14,880
it's very excited we're going all the

5
00:00:20,570 --> 00:00:18,119
way up to the delta 4 rocket next to the

6
00:00:22,609 --> 00:00:20,580
fairing and in a few days this rocket is

7
00:00:24,590 --> 00:00:22,619
going to carry the Gozo satellite into

8
00:00:26,000 --> 00:00:24,600
its orbit so let's go up and find out a

9
00:00:28,099 --> 00:00:26,010
little bit more about this launch

10
00:00:35,600 --> 00:00:28,109
vehicle and what's going on in a few

11
00:00:37,850 --> 00:00:35,610
days i'm here with charles Maloney he's

12
00:00:41,270 --> 00:00:37,860
the boeing program manager for the ghost

13
00:00:43,970 --> 00:00:41,280

NOP mission so where are we now and

14

00:00:46,400 --> 00:00:43,980

what's happening in a few days for the

15

00:00:48,529 --> 00:00:46,410

Delta launch complex 37 on the eighth

16

00:00:50,450 --> 00:00:48,539

floor and we're right next to the space

17

00:00:52,160 --> 00:00:50,460

craft fairing so the spacecraft is

18

00:00:54,049 --> 00:00:52,170

tucked safely away in here behind this

19

00:00:56,209 --> 00:00:54,059

two days from now when we get to launch

20

00:00:57,709 --> 00:00:56,219

day this whole tower will separate and

21

00:01:00,020 --> 00:00:57,719

move away from the rocket so it has a

22

00:01:02,180 --> 00:01:00,030

clear path to launch wise go so

23

00:01:04,130 --> 00:01:02,190

launching on a delta 4 rocket is there

24

00:01:06,500 --> 00:01:04,140

anything special about this launch

25

00:01:08,840 --> 00:01:06,510

vehicle so what's special about this

26

00:01:10,789 --> 00:01:08,850

rocket is that it puts us into a very

27

00:01:13,039 --> 00:01:10,799

high orbit which saves fuel for the

28

00:01:14,960 --> 00:01:13,049

spacecraft that extra fuel savings

29

00:01:17,060 --> 00:01:14,970

translates directly into extra years of

30

00:01:19,190 --> 00:01:17,070

life of the spacecraft so the nation

31

00:01:20,899 --> 00:01:19,200

will be able to use this spacecraft for

32

00:01:22,880 --> 00:01:20,909

about fifty percent longer than it would

33

00:01:25,730 --> 00:01:22,890

on most other rockets tell me a little

34

00:01:28,310 --> 00:01:25,740

bit about the geosynchronous orbit what

35

00:01:30,920 --> 00:01:28,320

does that mean well the Gozo orbit is

36

00:01:32,600 --> 00:01:30,930

called a geosynchronous orbit and what's

37

00:01:35,359 --> 00:01:32,610

special about that is it allows the

38

00:01:37,429 --> 00:01:35,369

spacecraft to remain stationary over one

39

00:01:39,620 --> 00:01:37,439

spot of the earth with that stationary

40

00:01:41,630 --> 00:01:39,630

location it can achieve the most

41

00:01:43,160 --> 00:01:41,640

accurate pictures of the earth to be

42

00:01:44,960 --> 00:01:43,170

able to track the severe weather that

43

00:01:47,389 --> 00:01:44,970

the spacecraft designed to do as a

44

00:01:50,090 --> 00:01:47,399

program manager you must be very excited

45

00:01:52,340 --> 00:01:50,100

about the upcoming launch there's really

46

00:01:54,649 --> 00:01:52,350

a tremendous feeling of excitement and

47

00:01:56,840 --> 00:01:54,659

anticipation the launch vehicle is ready

48

00:01:57,910 --> 00:01:56,850

now the spacecraft's ready that just two

49

00:01:59,859 --> 00:01:57,920

days we're finally going to

50

00:02:01,060 --> 00:01:59,869

to put it into orbit and be able to

51
00:02:02,499 --> 00:02:01,070
demonstrate the performance of this

52
00:02:05,679 --> 00:02:02,509
outstanding spacecraft so the team is

53
00:02:08,979 --> 00:02:05,689
very excited so next to me is patches on

54
00:02:11,199 --> 00:02:08,989
its boring systems engineer so Pat what

55
00:02:12,910 --> 00:02:11,209
is your row on the Gozo project here at

56
00:02:14,470 --> 00:02:12,920
the launch site I am the spacecraft

57
00:02:16,059 --> 00:02:14,480
director and some responsible for

58
00:02:17,770 --> 00:02:16,069
getting the satellite prepared in

59
00:02:19,449 --> 00:02:17,780
preparation for launch what are some of

60
00:02:22,360 --> 00:02:19,459
the things that happened behind the

61
00:02:24,490 --> 00:02:22,370
scenes prior to launch so within the

62
00:02:27,460 --> 00:02:24,500
last couple of days we have charged the

63
00:02:29,290 --> 00:02:27,470

batteries to prepare them for their for

64

00:02:31,449 --> 00:02:29,300

the launch day bringing them up to the

65

00:02:32,979 --> 00:02:31,459

flight levels of battery charge and then

66

00:02:35,620 --> 00:02:32,989

yesterday we completed our full up

67

00:02:37,690 --> 00:02:35,630

launch countdown rehearsal all the way

68

00:02:39,640 --> 00:02:37,700

through the script so why is the Gozo

69

00:02:41,500 --> 00:02:39,650

mission important what do people need to

70

00:02:43,930 --> 00:02:41,510

know about it the ghost mission is

71

00:02:46,479 --> 00:02:43,940

important for many reasons to the United

72

00:02:48,940 --> 00:02:46,489

States providing weather forecasting to

73

00:02:50,620 --> 00:02:48,950

protect lives and property to give us

74

00:02:52,479 --> 00:02:50,630

advance warning of when inclement

75

00:02:54,430 --> 00:02:52,489

weather is going to occur such as

76

00:02:56,320 --> 00:02:54,440

hurricanes and Gozo is only going to

77

00:02:58,509 --> 00:02:56,330

help improve that so it looks like the

78

00:03:00,940 --> 00:02:58,519

Gozo mission has a critical role in

79

00:03:03,130 --> 00:03:00,950

helping predict severe weather and it

80

00:03:05,229 --> 00:03:03,140

actually saves lives for more

81

00:03:08,979 --> 00:03:05,239

information about the mission for some