1
00:00:07,749 --> 00:00:05,590
i'm sylvia with nasa goddard television

2
00:00:10,230 --> 00:00:07,759
and i'm here at cape canaveral's air

3
00:00:13,669 --> 00:00:10,240
force station this behind me is

4
00:00:16,150 --> 00:00:13,679
launchpad 37. so andre what is going on

5
00:00:18,630 --> 00:00:16,160
here in a few days well something really

6
00:00:20,790 --> 00:00:18,640
exciting okay something that nasa people

7
00:00:22,710 --> 00:00:20,800
really love to do and that's launch

8
00:00:24,630 --> 00:00:22,720
satellites i mean i can't think of

9
00:00:25,429 --> 00:00:24,640
anything more exciting for us than to do

10
00:00:27,910 --> 00:00:25,439
this

11
00:00:29,589 --> 00:00:27,920
satellite get in orbit and get it

12
00:00:32,630 --> 00:00:29,599
checked out the goals mission is a

13
00:00:34,630 --> 00:00:32,640

continuous mission and this is a spare

14
00:00:36,709 --> 00:00:34,640
satellite so can you explain a little

15
00:00:38,869 --> 00:00:36,719
bit more about that well since we're an

16
00:00:40,630 --> 00:00:38,879
operational mission and everybody here

17
00:00:42,389 --> 00:00:40,640
knows what the importance is of a

18
00:00:44,069 --> 00:00:42,399
weather satellite everybody's seeing the

19
00:00:46,709 --> 00:00:44,079
big hurricanes and how important it is

20
00:00:48,950 --> 00:00:46,719
to have a satellite in orbit now the u.s

21
00:00:51,189 --> 00:00:48,960
has two satellites in in orbit that

22
00:00:52,790 --> 00:00:51,199
cover the united states but if one of

23
00:00:54,310 --> 00:00:52,800
those were to fail

24
00:00:56,630 --> 00:00:54,320
then we need to have another one ready

25
00:00:58,310 --> 00:00:56,640
to go put it right in place and so we're

26
00:00:59,910 --> 00:00:58,320
launching this satellite into a spare

27
00:01:02,150 --> 00:00:59,920
slot and so when one of the others older

28
00:01:04,229 --> 00:01:02,160
satellites runs out of fuel we replace

29
00:01:06,230 --> 00:01:04,239
it with the gozo satellite what are some

30
00:01:08,149 --> 00:01:06,240
of the factors that could cause delay

31
00:01:09,910 --> 00:01:08,159
for the gold's oil launch

32
00:01:11,990 --> 00:01:09,920
well when you build a satellite and you

33
00:01:13,990 --> 00:01:12,000
build a launch vehicle there are

34
00:01:16,230 --> 00:01:14,000
millions literally millions of parts and

35
00:01:18,310 --> 00:01:16,240
pieces that make up those satellites and

36
00:01:20,230 --> 00:01:18,320
those launch vehicles and on the day of

37
00:01:22,070 --> 00:01:20,240
launch there could be any kind of

38
00:01:23,510 --> 00:01:22,080

technical problem that could come up so

39
00:01:25,590 --> 00:01:23,520
all those things need to be assessed to

40
00:01:26,550 --> 00:01:25,600
make sure that we actually achieve orbit

41
00:01:28,469 --> 00:01:26,560
the other things that we have to be

42
00:01:30,710 --> 00:01:28,479
concerned about is weather

43
00:01:32,710 --> 00:01:30,720
okay we have any time of the day here

44
00:01:34,870 --> 00:01:32,720
there could be thunderstorms and if that

45
00:01:36,069 --> 00:01:34,880
large winds or lightning and things like

46
00:01:37,429 --> 00:01:36,079
that is not something type of

47
00:01:39,910 --> 00:01:37,439
environment that we want to actually

48
00:01:41,190 --> 00:01:39,920
launch into so we would stand down and

49
00:01:42,069 --> 00:01:41,200
wait for that and that could cause a

50
00:01:43,990 --> 00:01:42,079
delay

51
00:01:46,870 --> 00:01:44,000
and what does the forecast look like for

52
00:01:48,870 --> 00:01:46,880
the gozo alone well unfortunately we're

53
00:01:51,270 --> 00:01:48,880
calling for thunderstorms but we're

54
00:01:53,350 --> 00:01:51,280
hoping we have an hour window with that

55
00:01:54,950 --> 00:01:53,360
hour window we'll find an opportunity to

56
00:01:56,870 --> 00:01:54,960
launch this satellite and get it up

57
00:01:59,350 --> 00:01:56,880
there in orbit so if you were to tell

58
00:02:00,789 --> 00:01:59,360
someone why this mission is so important

59
00:02:02,950 --> 00:02:00,799
what would you say

60
00:02:04,709 --> 00:02:02,960
i would say you already know it

61
00:02:06,789 --> 00:02:04,719
okay every night when you go home you

62
00:02:08,790 --> 00:02:06,799
turn on the tv and you look at the

63
00:02:10,150 --> 00:02:08,800

weather channel you're seeing the data

64
00:02:12,309 --> 00:02:10,160
that's coming from these weather

65
00:02:14,949 --> 00:02:12,319
satellites that we launched and so it

66
00:02:16,710 --> 00:02:14,959
impacts your everyday life it must be

67
00:02:19,190 --> 00:02:16,720
really exciting time for you how do you

68
00:02:21,030 --> 00:02:19,200
feel about it so close to long it's

69
00:02:22,710 --> 00:02:21,040
great let me tell you we spent years and

70
00:02:25,190 --> 00:02:22,720
years on this mission building these

71
00:02:26,390 --> 00:02:25,200
satellites testing it developing it

72
00:02:28,869 --> 00:02:26,400
and to see it all come here in a

73
00:02:31,589 --> 00:02:28,879
culmination into this major event

74
00:02:34,869 --> 00:02:31,599
it's very satisfying why is it that

75
00:02:36,949 --> 00:02:34,879
you're picking cape canaveral for gozo

76
00:02:38,949 --> 00:02:36,959
cape canaveral makes the most sense for

77
00:02:41,110 --> 00:02:38,959
goes because this is where the majority

78
00:02:42,949 --> 00:02:41,120
of the launch vehicles are so launching

79
00:02:44,630 --> 00:02:42,959
from this cape canaveral air force

80
00:02:46,630 --> 00:02:44,640
station actually provides us an

81
00:02:48,309 --> 00:02:46,640
advantage in a savings and propellant

82
00:02:50,630 --> 00:02:48,319
that would actually take in cost to get

83
00:02:52,390 --> 00:02:50,640
the spacecraft to orbit so we take

84
00:02:53,990 --> 00:02:52,400
advantage of that

85
00:02:56,390 --> 00:02:54,000
thank you andre

86
00:02:59,270 --> 00:02:56,400
so it looks like the gold's mission is

87
00:03:01,270 --> 00:02:59,280
critical for predicting severe weather

88
00:03:03,910 --> 00:03:01,280

for more information about the mission

89
00:03:06,710 --> 00:03:03,920
for some cool animations and video visit

90
00:03:09,589 --> 00:03:06,720
www.nasa.gov

91
00:03:10,390 --> 00:03:09,599
slash capital g o e s