



1
00:00:14,870 --> 00:00:13,910
in recognition of african-american

2
00:00:16,790 --> 00:00:14,880
history month

3
00:00:19,109 --> 00:00:16,800
nasa salutes the contributions of

4
00:00:19,990 --> 00:00:19,119
african americans to the cause of space

5
00:00:22,630 --> 00:00:20,000
exploration

6
00:00:24,470 --> 00:00:22,640
my name is april erickson and i am an

7
00:00:27,029 --> 00:00:24,480
instrument manager

8
00:00:28,870 --> 00:00:27,039
my formal title is a deputy instrument

9
00:00:32,069 --> 00:00:28,880
manager for the icesat

10
00:00:35,030 --> 00:00:32,079
atlas instrument it has

11
00:00:37,510 --> 00:00:35,040
two lasers there for redundancy meaning

12
00:00:40,630 --> 00:00:37,520
that if one fails you have a backup

13
00:00:42,549 --> 00:00:40,640

but it provides a laser beam that

14

00:00:43,990 --> 00:00:42,559

passes down to the ground through

15

00:00:45,830 --> 00:00:44,000

various optics

16

00:00:48,470 --> 00:00:45,840

to the ground and bounces back up off

17

00:00:51,270 --> 00:00:48,480

the surface of the polar ice

18

00:00:51,750 --> 00:00:51,280

and very closely you're able to look at

19

00:00:58,470 --> 00:00:51,760

that

20

00:00:59,830 --> 00:00:58,480

down to the ground and back up and then

21

00:01:03,189 --> 00:00:59,840

you can tell as you

22

00:01:05,910 --> 00:01:03,199

pass back over how much it's changed

23

00:01:07,750 --> 00:01:05,920

in that short duration as an instrument

24

00:01:10,710 --> 00:01:07,760

manager i have

25

00:01:11,350 --> 00:01:10,720

many responsibilities and it's mainly to

26

00:01:15,670 --> 00:01:11,360

manage

27

00:01:18,950 --> 00:01:15,680

resources and resources are many things

28

00:01:22,149 --> 00:01:18,960

people don't often think of people as

29

00:01:24,149 --> 00:01:22,159

resources it's helping the product

30

00:01:27,270 --> 00:01:24,159

delivery leads which are the people

31

00:01:29,510 --> 00:01:27,280

the engineers primarily who build the

32

00:01:31,910 --> 00:01:29,520

hardware helping them to be able to

33

00:01:33,830 --> 00:01:31,920

deliver their hardware on time

34

00:01:36,310 --> 00:01:33,840

and then there's the budget so you have

35

00:01:38,550 --> 00:01:36,320

a plan that you try to maintain and

36

00:01:39,350 --> 00:01:38,560

keep in line with and while you're doing

37

00:01:41,510 --> 00:01:39,360

that you try to

38

00:01:42,550 --> 00:01:41,520

keep things on track and on schedule so

39

00:01:45,910 --> 00:01:42,560

you're budgeting

40

00:01:49,350 --> 00:01:45,920

your financial budget as well as a time

41

00:01:51,190 --> 00:01:49,360

budget or plan but primarily it's a job

42

00:01:54,870 --> 00:01:51,200

of communication

43

00:01:58,149 --> 00:01:54,880

the exciting part is one the science

44

00:02:00,469 --> 00:01:58,159

that the opportunity to unders

45

00:02:02,069 --> 00:02:00,479

understand something like global warming

46

00:02:05,670 --> 00:02:02,079

if ice changes

47

00:02:09,350 --> 00:02:05,680

that has the it has an impact

48

00:02:13,030 --> 00:02:09,360

to vegetation it has an impact to

49

00:02:15,350 --> 00:02:13,040

sea levels rising which could either

50

00:02:16,229 --> 00:02:15,360

change either having droughts or

51
00:02:18,390 --> 00:02:16,239
flooding

52
00:02:20,390 --> 00:02:18,400
education is a passion for me but i

53
00:02:23,750 --> 00:02:20,400
really think it's important to

54
00:02:25,670 --> 00:02:23,760
keep up sort of the cadre of junior

55
00:02:27,990 --> 00:02:25,680
junior people coming up behind us to

56
00:02:28,550 --> 00:02:28,000
continue to fill the ranks for americans

57
00:02:31,110 --> 00:02:28,560
and to

58
00:02:32,949 --> 00:02:31,120
help us to remain prominent in delivery

59
00:02:34,869 --> 00:02:32,959
of science and technology

60
00:02:36,470 --> 00:02:34,879
i always say shoot for the moon and even

61
00:02:37,110 --> 00:02:36,480
if you miss you'll still be amongst the

62
00:02:38,869 --> 00:02:37,120
stars

63
00:02:40,790 --> 00:02:38,879

and of course some people be really

64

00:02:42,470 --> 00:02:40,800

literal and say well you might be very

65

00:02:44,229 --> 00:02:42,480

far away from the stars

66

00:02:47,430 --> 00:02:44,239

but realistically what i'm saying is

67

00:02:49,270 --> 00:02:47,440

shoot for high things and high goals and

68

00:02:50,550 --> 00:02:49,280

you may not always achieve exactly what

69

00:02:52,070 --> 00:02:50,560

you want but you'll achieve