IN A NON-NEWS TELEVISED PROGRAM.
>> OH, MY GOD.

1
00:00:13,930 --> 00:00:12,070
this week at NASA July eleventh is the

2
00:00:16,750 --> 00:00:13,940
new targeted launch date for space

3
00:00:19,000 --> 00:00:16,760
shuttle Endeavour on the sts-127 mission

4
00:00:21,640 --> 00:00:19,010
to the international space station by

5
00:00:23,679 --> 00:00:21,650
then NASA managers hope to know what

6
00:00:25,990 --> 00:00:23,689
caused the leak in the shuttles excess

7
00:00:28,420 --> 00:00:26,000
hydrogen venting system that twice

8
00:00:30,460 --> 00:00:28,430
delayed endeavours launch we'll go work

9
00:00:33,610 --> 00:00:30,470
this problem and once we get it fixed

10
00:00:35,950 --> 00:00:33,620
and we're confident that we have a

11
00:00:37,630 --> 00:00:35,960
solution that's that's going to work and

12
00:00:40,060 --> 00:00:37,640
allow us to go fly safely then we'll

13
00:00:42,310 --> 00:00:40,070

proceed forward no one will be happier

14
00:00:45,310 --> 00:00:42,320
to proceed than first-time flyer Chris

15
00:00:47,830 --> 00:00:45,320
Cassidy the York Maine native and US

16
00:00:49,900 --> 00:00:47,840
Navy SEAL sees this mission as the next

17
00:00:51,910 --> 00:00:49,910
step in NASA's ultimate return to

18
00:00:55,300 --> 00:00:51,920
regions first explored by the Apollo

19
00:00:58,810 --> 00:00:55,310
astronauts 40 years ago I think I'm in a

20
00:01:00,850 --> 00:00:58,820
fortunate position as a new astronaut to

21
00:01:03,100 --> 00:01:00,860
be part of a shuttle crew now and maybe

22
00:01:06,569 --> 00:01:03,110
a space station true in my mid career

23
00:01:09,340 --> 00:01:06,579
and the tail end of my career hopefully

24
00:01:10,959 --> 00:01:09,350
an exploration mission to the to the

25
00:01:17,309 --> 00:01:10,969
moon so it's a very exciting for me

26
00:01:20,649 --> 00:01:17,319
personally 21 main engine ignition and

27
00:01:23,679 --> 00:01:20,659
liftoff of the Atlas 5 rocket with el

28
00:01:26,349 --> 00:01:23,689
rol across America's first step of a

29
00:01:28,149 --> 00:01:26,359
lasting return to the moon on their way

30
00:01:30,489 --> 00:01:28,159
to the moon now are the lunar

31
00:01:32,289 --> 00:01:30,499
reconnaissance orbiter lro and it's

32
00:01:34,389 --> 00:01:32,299
travel partner the lunar crater

33
00:01:36,999 --> 00:01:34,399
observation and sensing satellite l

34
00:01:39,340 --> 00:01:37,009
cross there in about three to four

35
00:01:41,349 --> 00:01:39,350
months the spent cent or upper stage

36
00:01:43,840 --> 00:01:41,359
rocket about the size of a small bus

37
00:01:47,050 --> 00:01:43,850
will crash into a permanently shadowed

38
00:01:49,239 --> 00:01:47,060

polar crater l Cross will then fly into

39
00:01:51,580 --> 00:01:49,249
the resultant plume of dust to measure

40
00:01:54,639 --> 00:01:51,590
mineral content and possible evidence of

41
00:01:57,399 --> 00:01:54,649
water ice before it to collides with the

42
00:01:59,109 --> 00:01:57,409
lunar surface in the late 90s two

43
00:02:02,019 --> 00:01:59,119
different missions around the moon

44
00:02:04,510 --> 00:02:02,029
actually found that there may be water

45
00:02:06,429 --> 00:02:04,520
ice present on the moon needs to be

46
00:02:09,070 --> 00:02:06,439
confirmed and so the l cross mission is

47
00:02:12,370 --> 00:02:09,080
all about confirming if indeed there is

48
00:02:14,200 --> 00:02:12,380
stare meanwhile LRO's multi-year

49
00:02:16,360 --> 00:02:14,210
orbiting mission will give NASA the

50
00:02:18,670 --> 00:02:16,370
tools to identify lunar landing sites

51
00:02:23,080 --> 00:02:18,680
and potential resources measure

52
00:02:24,760 --> 00:02:23,090
radiation and try out new technology hey

53
00:02:26,620 --> 00:02:24,770
I'm Mike above and I'm Kevin frizzled

54
00:02:29,140 --> 00:02:26,630
and we're the producers of NASA 360

55
00:02:31,600 --> 00:02:29,150
producers Michael Bilbo and Kevin

56
00:02:34,210 --> 00:02:31,610
craigsville savored their Emmy win at

57
00:02:44,640 --> 00:02:34,220
the 51st annual capital region Emmy

58
00:02:49,000 --> 00:02:44,650
Awards so here it is the right speed x1

59
00:02:51,160 --> 00:02:49,010
NASA televisions NASA 360 is a half-hour

60
00:02:53,800 --> 00:02:51,170
series that looks at how technologies

61
00:02:56,590 --> 00:02:53,810
developed by NASA impact the lives of

62
00:03:01,900 --> 00:02:56,600
everyday people it's also available on

63
00:03:04,750 --> 00:03:01,910

the web at WWDC com bibbo and Craig's

64
00:03:06,730 --> 00:03:04,760
ball right edit and produce the show for

65
00:03:08,410 --> 00:03:06,740
the National Institute of aerospace in

66
00:03:11,410 --> 00:03:08,420
partnership with NASA's Langley Research

67
00:03:16,000 --> 00:03:11,420
Center took home the Emmy for editing in

68
00:03:18,280 --> 00:03:16,010
a non news televised program the winning

69
00:03:21,220 --> 00:03:18,290
segment shot in part by award-winning

70
00:03:23,979 --> 00:03:21,230
Langley videographer Gary benziger tells

71
00:03:27,370 --> 00:03:23,989
the story of an all-electric racecar the

72
00:03:30,790 --> 00:03:27,380
right speed x1 the executive producer of

73
00:03:36,820 --> 00:03:30,800
NASA 360 is Mike Finneran

74
00:03:39,070 --> 00:03:36,830
a 100 full-time undergraduate students

75
00:03:41,620 --> 00:03:39,080
have been selected by nasa to receive a

76
00:03:44,050 --> 00:03:41,630
one-year college scholarship the

77
00:03:46,690 --> 00:03:44,060
agency's motivating undergraduates in

78
00:03:49,510 --> 00:03:46,700
science and technology or must project

79
00:03:51,370 --> 00:03:49,520
award scholarships and internships to

80
00:03:53,860 --> 00:03:51,380
students pursuing degrees in science

81
00:03:58,000 --> 00:03:53,870
technology engineering and mathematics

82
00:03:59,500 --> 00:03:58,010
the STEM fields the average GPA for the

83
00:04:03,790 --> 00:03:59,510
students that we selected for this

84
00:04:06,190 --> 00:04:03,800
cohort is about 3.85 and that's that's

85
00:04:08,380 --> 00:04:06,200
very good for those hard sciences so we

86
00:04:10,150 --> 00:04:08,390
think that we are getting the best and

87
00:04:12,610 --> 00:04:10,160
the brightest students involved in this

88
00:04:14,350 --> 00:04:12,620

project among the 39 colleges and

89
00:04:16,990 --> 00:04:14,360
universities represented by must

90
00:04:21,150 --> 00:04:17,000
scholarship recipients is brown Cal Tech

91
00:04:25,960 --> 00:04:21,160
Georgia Tech Harvard Florida A&M MIT

92
00:04:28,090 --> 00:04:25,970
Maryland Tuskegee Fisk and Texas managed

93
00:04:29,890 --> 00:04:28,100
at the Glenn Research Center must is

94
00:04:32,230 --> 00:04:29,900
administered by the Hispanic college

95
00:04:34,270 --> 00:04:32,240
fund the United Negro College Fund and

96
00:04:41,430 --> 00:04:34,280
the Society for Hispanic Professional

97
00:04:44,020 --> 00:04:41,440
Engineers 21 engine start ignition and

98
00:04:46,420 --> 00:04:44,030
liftoff of a delta 2 rocket with the

99
00:04:50,080 --> 00:04:46,430
fused spacecraft to explore the origins

100
00:04:53,590 --> 00:04:50,090
of the universe 10 years ago on jun 24th

101
00:04:56,740 --> 00:04:53,600
1999 the far ultraviolet spectroscopic

102
00:04:58,990 --> 00:04:56,750
explorer or fuse launched from cape

103
00:05:01,030 --> 00:04:59,000
canaveral florida on route to study

104
00:05:03,340 --> 00:05:01,040
primordial chemical relics of the Big

105
00:05:06,250 --> 00:05:03,350
Bang a process from which all stars

106
00:05:08,470 --> 00:05:06,260
planets and life of all using

107
00:05:11,590 --> 00:05:08,480
high-resolution spectroscopy in a far

108
00:05:13,990 --> 00:05:11,600
ultraviolet spectral region fuse explore

109
00:05:16,030 --> 00:05:14,000
the universe for eight years astronomers

110
00:05:18,310 --> 00:05:16,040
from all over the world used the

111
00:05:20,350 --> 00:05:18,320
astrophysics satellite telescope to

112
00:05:23,770 --> 00:05:20,360
observe nearly 3,000 different

113
00:05:30,940 --> 00:05:23,780

astronomical objects fuse operated until

114
00:05:33,850 --> 00:05:30,950
October 18 2007 26 years ago this week

115
00:05:38,350 --> 00:05:33,860
Sally Ride became the first American

116
00:05:44,270 --> 00:05:42,500
on st s7 ride was a member of the first

117
00:05:46,700 --> 00:05:44,280
space shuttle mission with a five person

118
00:05:49,070 --> 00:05:46,710
crew deploying to communication

119
00:05:52,909 --> 00:05:49,080
satellites and conducting a number of

120
00:05:57,020 --> 00:05:52,919
experiments ride also flew on sts 41 g

121
00:05:59,240 --> 00:05:57,030
in october of 1984 she left nasa in 1989

122
00:06:00,710 --> 00:05:59,250
for other pursuits including the

123
00:06:03,530 --> 00:06:00,720
development of science education

124
00:06:05,930 --> 00:06:03,540
programs for children and that's this