INSIDE KSC!

1
00:00:04,230 --> 00:00:02,550
i'm nasa kennedy's meredith reeves with

2
00:00:06,869 --> 00:00:04,240
exploration research and technology

3
00:00:09,110 --> 00:00:06,879
programs and i'm outside ksc taking you

4
00:00:10,629 --> 00:00:09,120
inside ksc technicians from the

5
00:00:11,910 --> 00:00:10,639
exploration ground systems and

6
00:00:14,070 --> 00:00:11,920
supporting contractors

7
00:00:16,070 --> 00:00:14,080
tested prototypes of a new rain bird

8
00:00:16,950 --> 00:00:16,080
system to be used for the artemis ii

9
00:00:18,950 --> 00:00:16,960
mission

10
00:00:20,150 --> 00:00:18,960
teams ran various water pressures

11
00:00:22,950 --> 00:00:20,160
through small scale

12
00:00:25,509 --> 00:00:22,960
3d printed sprayers to capture data to

13
00:00:27,349 --> 00:00:25,519

use in developing full-scale nozzles

14
00:00:29,429 --> 00:00:27,359
these giant rain birds will spray a high

15
00:00:31,349 --> 00:00:29,439
volume of water on the mobile launcher

16
00:00:33,350 --> 00:00:31,359
to combat the intense heat generated

17
00:00:34,069 --> 00:00:33,360
during the launch of nasa's space launch

18
00:00:36,709 --> 00:00:34,079
system

19
00:00:38,310 --> 00:00:36,719
or sls the most powerful rocket the

20
00:00:40,869 --> 00:00:38,320
agency has ever built

21
00:00:43,670 --> 00:00:40,879
the sls rocket and orion spacecraft will

22
00:00:45,830 --> 00:00:43,680
lift off from kennedy's launch pad 39b

23
00:00:47,750 --> 00:00:45,840
under the artemis program nasa will land

24
00:00:48,310 --> 00:00:47,760
the first woman and the next man on the

25
00:00:52,310 --> 00:00:48,320
moon

26
00:00:54,069 --> 00:00:52,320
and prepare for human missions to mars

27
00:00:56,229 --> 00:00:54,079
engineers and scientists at kennedy

28
00:00:57,670 --> 00:00:56,239
participated in a joint simulation

29
00:00:57,990 --> 00:00:57,680
involving a tool developed at the

30
00:01:00,229 --> 00:00:58,000
florida

31
00:01:01,830 --> 00:01:00,239
spaceport the mass spectrometer

32
00:01:04,869 --> 00:01:01,840
observing lunar operations

33
00:01:07,030 --> 00:01:04,879
or m solo the team connected remotely to

34
00:01:08,950 --> 00:01:07,040
astrobotic systems in pennsylvania to

35
00:01:09,990 --> 00:01:08,960
develop and refine procedures between

36
00:01:13,109 --> 00:01:10,000
that simulated m

37
00:01:14,630 --> 00:01:13,119
solo and a peregrine lander working

38
00:01:17,109 --> 00:01:14,640

together on the moon

39
00:01:18,149 --> 00:01:17,119
peregrine mission 1 will carry 11

40
00:01:19,990 --> 00:01:18,159
payloads

41
00:01:22,550 --> 00:01:20,000
to a large crater on the near side of

42
00:01:24,469 --> 00:01:22,560
the moon astrobotic is the provider for

43
00:01:26,230 --> 00:01:24,479
this commercial lunar payload services

44
00:01:27,830 --> 00:01:26,240
or clips mission

45
00:01:29,749 --> 00:01:27,840
which is working toward launch later

46
00:01:31,830 --> 00:01:29,759
this year nasa will use

47
00:01:33,270 --> 00:01:31,840
msolo to identify molecules on the

48
00:01:35,670 --> 00:01:33,280
surface of the moon as part of the

49
00:01:38,069 --> 00:01:35,680
artemis program

50
00:01:38,950 --> 00:01:38,079
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