



1  
00:00:07,639 --> 00:00:02,389  
hi I'm NASA Kennedy's Bill Shorten boy

2  
00:00:10,070 --> 00:00:07,649  
and I'm taking you inside KSC NASA's

3  
00:00:14,180 --> 00:00:10,080  
Kennedy Space Center assured out 2017

4  
00:00:16,189 --> 00:00:14,190  
with a bang yes that the Kennedy Space

5  
00:00:18,710 --> 00:00:16,199  
Center Visitor Complex were treated to

6  
00:00:21,230 --> 00:00:18,720  
holidays in space featuring holiday

7  
00:00:23,920 --> 00:00:21,240  
decorations entertainment and fireworks

8  
00:00:26,450 --> 00:00:23,930  
from December 20th through the 31st a

9  
00:00:28,939 --> 00:00:26,460  
water deluge test was completed at

10  
00:00:31,550 --> 00:00:28,949  
launch pad 39b to prepare for the launch

11  
00:00:35,150 --> 00:00:31,560  
of NASA's Space Launch System rocket and

12  
00:00:37,610 --> 00:00:35,160  
Orion spacecraft about 450,000 gallons

13  
00:00:39,229 --> 00:00:37,620

of water float at high speed from an

14

00:00:41,900 --> 00:00:39,239

elevated tank through new and modified

15

00:00:43,790 --> 00:00:41,910

typing and valves the flame trench flame

16

00:00:46,340 --> 00:00:43,800

deflector nozzles and mobile launcher

17

00:00:48,410 --> 00:00:46,350

interface pipe at peak flow the water

18

00:00:50,600 --> 00:00:48,420

reached about 100 feet in the air above

19

00:00:52,970 --> 00:00:50,610

the pad surface the test was a milestone

20

00:00:54,650 --> 00:00:52,980

to confirm and baseline the performance

21

00:00:57,260 --> 00:00:54,660

of the ignition overpressure and sound

22

00:00:58,790 --> 00:00:57,270

suppression flippers during launch the

23

00:01:00,650 --> 00:00:58,800

high speed water flow will help protect

24

00:01:02,630 --> 00:01:00,660

the rocket and spacecraft from the

25

00:01:06,219 --> 00:01:02,640

extreme acoustic and temperature

26

00:01:09,350 --> 00:01:06,229

environment during ignition and lift-off