



**INSIDE  
▶▶ KSC!**

1  
00:00:06,249 --> 00:00:02,389  
hi I'm NASA's Matt Chambliss and I'm

2  
00:00:10,190 --> 00:00:08,450  
employees at NASA's Kennedy Space Center

3  
00:00:11,980 --> 00:00:10,200  
and residents along Florida's Space

4  
00:00:14,930 --> 00:00:11,990  
Coast have heard a familiar sound

5  
00:00:16,250 --> 00:00:14,940  
sonicboom Kennedy partnered with the

6  
00:00:18,650 --> 00:00:16,260  
agency's Armstrong Flight Research

7  
00:00:20,330 --> 00:00:18,660  
Center and Langley Research Center for a

8  
00:00:23,590 --> 00:00:20,340  
program called sonic booms and

9  
00:00:25,820 --> 00:00:23,600  
atmospheric turbulence or sonic bat

10  
00:00:28,250 --> 00:00:25,830  
starting the week of August 21st

11  
00:00:30,080 --> 00:00:28,260  
NASA f-18 jets began taking off from the

12  
00:00:32,150 --> 00:00:30,090  
Shuttle Landing Facility flying at

13  
00:00:34,100 --> 00:00:32,160

supersonic speeds while NASA researchers

14

00:00:35,870 --> 00:00:34,110

on the ground and in the air measured

15

00:00:38,450 --> 00:00:35,880

the effects of low altitude turbulence

16

00:00:40,880 --> 00:00:38,460

on sonic booms by learning more about

17

00:00:42,350 --> 00:00:40,890

how sonic booms travel engineers can

18

00:00:44,690 --> 00:00:42,360

eventually design aircraft that lower

19

00:00:46,369 --> 00:00:44,700

sonic booms to a low Rumble paving the

20

00:00:47,540 --> 00:00:46,379

way for coast-to-coast airline flights

21

00:00:50,630 --> 00:00:47,550

in two hours

22

00:00:52,729 --> 00:00:50,640

a major milestone for NASA's Orion

23

00:00:54,619 --> 00:00:52,739

program was achieved when the spacecraft

24

00:00:56,600 --> 00:00:54,629

destined for exploration mission-1

25

00:00:59,299 --> 00:00:56,610

was successfully powered up for the

26

00:01:01,069 --> 00:00:59,309

first time the initial power-on

27

00:01:03,889 --> 00:01:01,079

procedure verified the health and status

28

00:01:06,350 --> 00:01:03,899

of Orion's core computers power and data

29

00:01:09,289 --> 00:01:06,360

units it also marks the beginning of

30

00:01:11,060 --> 00:01:09,299

critical spacecraft subsystem tests the

31

00:01:13,160 --> 00:01:11,070

Orion test team reported that flight

32

00:01:16,550 --> 00:01:13,170

systems and ground support equipment all

33

00:01:19,190 --> 00:01:16,560

performed remarkably well and remember

34

00:01:20,530 --> 00:01:19,200

spaceport magazine digs deeper inside