



1  
00:00:08,330 --> 00:00:05,140  
NASA's Genesis and rapid intensification

2  
00:00:10,910 --> 00:00:08,340  
processes mission or grip will study how

3  
00:00:13,910 --> 00:00:10,920  
hurricanes form and intensify from

4  
00:00:16,070 --> 00:00:13,920  
August 15th through September 30th grip

5  
00:00:18,529 --> 00:00:16,080  
involves several nasa satellites and

6  
00:00:21,320 --> 00:00:18,539  
three NASA aircraft devoted to earth

7  
00:00:23,540 --> 00:00:21,330  
science research scientists will use the

8  
00:00:25,640 --> 00:00:23,550  
data to better understand how these

9  
00:00:27,170 --> 00:00:25,650  
storms form and how they strengthen

10  
00:00:34,459 --> 00:00:27,180  
weaken and die

11  
00:00:36,470 --> 00:00:34,469  
I see the tremendous potential that

12  
00:00:38,319 --> 00:00:36,480  
could pass to offer and in terms of the

13  
00:00:40,940 --> 00:00:38,329

ability to answer some of these

14

00:00:43,220 --> 00:00:40,950

long-standing questions we've had about

15

00:00:46,220 --> 00:00:43,230

how to inform and why they intensify

16

00:00:49,459 --> 00:00:46,230

group will be a very exciting field

17

00:00:51,770 --> 00:00:49,469

experiment it's the first time we've had

18

00:00:55,180 --> 00:00:51,780

so many different aircraft with so many

19

00:00:58,310 --> 00:00:55,190

new sensors studying the development

20

00:01:01,029 --> 00:00:58,320

intensification of tropical systems

21

00:01:03,979 --> 00:01:01,039

tropical waves and how they become

22

00:01:06,020 --> 00:01:03,989

hurricanes these new tools will help us

23

00:01:08,420 --> 00:01:06,030

understand the science much better than

24

00:01:12,350 --> 00:01:08,430

we've ever been able to do before the

25

00:01:14,030 --> 00:01:12,360

NASA aircraft dc-8 and the WB 57 will

26  
00:01:16,460 --> 00:01:14,040  
help us make traditional measurements

27  
00:01:18,560 --> 00:01:16,470  
but the involvement of the Global Hawk

28  
00:01:22,130 --> 00:01:18,570  
and two of its satellite quality

29  
00:01:24,350 --> 00:01:22,140  
instruments is a game-changer these two

30  
00:01:27,109 --> 00:01:24,360  
microwave instruments will allow us to

31  
00:01:29,810 --> 00:01:27,119  
see what is happening below cloud deck

32  
00:01:32,170 --> 00:01:29,820  
and the endurance of the aircraft will

33  
00:01:34,670 --> 00:01:32,180  
allow us to get an unprecedented

34  
00:02:06,749 --> 00:01:34,680  
sustained look of the inner workings of

35  
00:02:47,140 --> 00:02:09,240  
the biggest reason it peels off what's

36  
00:02:47,150 --> 00:03:46,970  
you

37  
00:03:50,610 --> 00:03:48,750  
it's supposed to show there really