



ZONE



NORTHROP GRUMMAN

DRYDEN FLIGHT RESEARCH CENTER

1
00:00:06,440 --> 00:00:04,550
NASA is sending a research aircraft high

2
00:00:08,150 --> 00:00:06,450
above the Pacific Ocean to study a

3
00:00:10,549 --> 00:00:08,160
region of the atmosphere near the

4
00:00:13,249 --> 00:00:10,559
equator that is extremely important to

5
00:00:14,870 --> 00:00:13,259
regulating the Earth's climate the

6
00:00:17,570 --> 00:00:14,880
deployment to Andersen Air Force Base in

7
00:00:19,760 --> 00:00:17,580
Guam is part of a multi-year NASA

8
00:00:22,130 --> 00:00:19,770
airborne science campaign called the

9
00:00:25,609 --> 00:00:22,140
airborne tropical tropopause experiment

10
00:00:28,220 --> 00:00:25,619
or eight tracks mission managed by NASA

11
00:00:30,410 --> 00:00:28,230
Ames Research Center the atrix mission

12
00:00:32,620 --> 00:00:30,420
will fly a Global Hawk aircraft to

13
00:00:35,750 --> 00:00:32,630

collect data within the upper atmosphere

14

00:00:37,880 --> 00:00:35,760

the unmanned Global Hawk is based at

15

00:00:40,459 --> 00:00:37,890

nasa's dryden flight research center in

16

00:00:43,400 --> 00:00:40,469

california and can fly at tropical

17

00:00:46,000 --> 00:00:43,410

tropopause altitudes of about 65,000

18

00:00:49,279 --> 00:00:46,010

feet for flights lasting up to 30 hours

19

00:00:51,470 --> 00:00:49,289

what this gives us is an ability to

20

00:00:54,500 --> 00:00:51,480

reach places that we can't reach and

21

00:00:57,260 --> 00:00:54,510

maybe more importantly you know if we

22

00:01:00,170 --> 00:00:57,270

found a phenomena that we're interested

23

00:01:02,799 --> 00:01:00,180

in studying we can stay there and look

24

00:01:05,960 --> 00:01:02,809

at it in detail for quite a few hours

25

00:01:07,490 --> 00:01:05,970

the goal of the atrix mission is to use

26

00:01:09,830 --> 00:01:07,500

this data to improve our understanding

27

00:01:12,020 --> 00:01:09,840

of the physical processes that occur in

28

00:01:14,149 --> 00:01:12,030

our atmosphere and help to make better