



ZONE 1
Pick it up!



NORTHROP GRUMMAN



DRYDEN FLIGHT RESEARCH CENTER

EMERGENCY ACCESS

1
00:00:00,000 --> 00:00:02,590
(Sound of jet engine taking off)

2
00:00:02,610 --> 00:00:04,840
Narrator: NASA is sending a research aircraft high

3
00:00:04,860 --> 00:00:07,240
above the Pacific Ocean to study a region of the

4
00:00:07,260 --> 00:00:10,090
atmosphere near the equator that is extremely

5
00:00:10,110 --> 00:00:13,470
important to regulating the Earth's climate.

6
00:00:13,490 --> 00:00:16,110
The deployment to Andersen Air Force Base in Guam

7
00:00:16,130 --> 00:00:18,850
is part of a multi-year NASA airborne science

8
00:00:18,870 --> 00:00:21,890
campaign called the Airborne Tropical Tropopause

9
00:00:21,910 --> 00:00:24,940
Experiment or ATTREX Mission.

10
00:00:24,960 --> 00:00:28,000
Managed by NASA Ames Research Center, the ATTREX

11
00:00:28,020 --> 00:00:30,900
Mission will fly a Global Hawk aircraft to collect

12
00:00:30,920 --> 00:00:33,700
data within the upper atmosphere.

13
00:00:33,720 --> 00:00:36,840

The unmanned Global Hawk is based at NASA's Dryden

14
00:00:36,860 --> 00:00:40,000
Flight Research Center in California, and can fly

15
00:00:40,020 --> 00:00:43,430
at tropical tropopause altitudes of about 65,000

16
00:00:43,450 --> 00:00:47,130
feet for flights lasting up to 30 hours.

17
00:00:47,150 --> 00:00:49,790
Lenny Pfister: What this gives us is an ability to

18
00:00:49,810 --> 00:00:52,630
reach places that we can't reach and maybe more

19
00:00:52,650 --> 00:00:57,070
importantly, you know, if we found a phenomenon

20
00:00:57,090 --> 00:00:59,200
that we're interested in studying, we could stay

21
00:00:59,220 --> 00:01:01,860
there and look at it in detail

22
00:01:01,880 --> 00:01:04,080
for quite a few hours.

23
00:01:04,100 --> 00:01:06,230
Narrator: The goal of the ATTREX Mission is to use

24
00:01:06,250 --> 00:01:08,560
this data to improve our understanding of the

25
00:01:08,580 --> 00:01:11,100
physical processes that occur in our atmosphere

26
00:01:11,120 --> 00:01:13,490
and help to make better predictions about climate

27
00:01:13,510 --> 00:01:15,640
changes in the future.