



DRYDEN FLIGHT RESEARCH CENTER



NORTHROP GRUMMAN



1
00:00:02,540 --> 00:00:05,060
NASA scientists are joining with researchers

2
00:00:05,060 --> 00:00:07,060
from public and private institutions

3
00:00:07,340 --> 00:00:09,480
in a multi-year airborne campaign

4
00:00:09,560 --> 00:00:12,160
to study the humidity and chemical composition

5
00:00:12,520 --> 00:00:14,500
of a portion of our atmosphere.

6
00:00:15,160 --> 00:00:18,180
NASA's Airborne Tropical Tropopause Experiment

7
00:00:18,280 --> 00:00:19,560
or ATTREX

8
00:00:19,680 --> 00:00:22,940
will be flown on a remotely operated Global Hawk

9
00:00:23,060 --> 00:00:26,280
aircraft over the Pacific Ocean in 2013 and 14.

10
00:00:26,880 --> 00:00:29,020
The Tropopause is the boundry between

11
00:00:29,100 --> 00:00:30,820
Earth's troposphere and stratosphere.

12
00:00:31,440 --> 00:00:33,300
Led by the Ames Research Center,

13
00:00:33,440 --> 00:00:35,520

ATTREX will focus on small changes

14

00:00:35,520 --> 00:00:37,560

in stratospheric humidity that

15

00:00:37,560 --> 00:00:39,860

may significantly impact climate.

16

00:00:42,840 --> 00:00:44,320

The ATTREX science team recently

17

00:00:44,320 --> 00:00:46,920

integrated 11 specialized instruments

18

00:00:46,920 --> 00:00:49,120

onto a Global Hawk and verified their