



1

00:00:00,060 --> 00:00:04,110

Music: Drumbeats. Narrator: This year, NASA is launching

2

00:00:04,130 --> 00:00:08,170

eight major field campaigns to study our changing planet from the air,

3

00:00:08,190 --> 00:00:12,250

sea, and on the ground. Here's a quick guide to all eight missions.

4

00:00:12,270 --> 00:00:16,450

First up, Oceans Melting Greenland,

5

00:00:16,470 --> 00:00:20,540

or OMG, heads to north to measure the effects of warm ocean

6

00:00:20,560 --> 00:00:24,710

water on Greenland's tidewater glaciers.

7

00:00:24,730 --> 00:00:28,830

Just a bit further south,

8

00:00:28,850 --> 00:00:32,950

NAAMES will study the relationships between marine ecosystems,

9

00:00:32,970 --> 00:00:37,140

including plankton, and the atmosphere.

10

00:00:41,270 --> 00:00:45,350

ACT-America will fly over the central United States,

11

00:00:45,370 --> 00:00:49,430

trying to pinpoint both sources and sinks of greenhouse gases

12

00:00:49,450 --> 00:00:53,510

like carbon and methane.

13

00:00:53,530 --> 00:00:57,610

ABoVE is a combination of 39 different projects

14  
00:00:57,630 --> 00:01:01,720  
studying the changing Arctic in Alaska and Canada,

15  
00:01:01,740 --> 00:01:05,900  
from wildfires to wildlife to permafrost.

16  
00:01:05,920 --> 00:01:09,960  
The ATom mission

17  
00:01:09,980 --> 00:01:14,060  
will cover a lot of sky, from the Arctic to the Antarctic

18  
00:01:14,080 --> 00:01:18,150  
and back again, studying how human-produced air pollution affects

19  
00:01:18,170 --> 00:01:22,340  
affects greenhouse gases.

20  
00:01:22,360 --> 00:01:26,450  
The CORAL mission will cover vast

21  
00:01:26,470 --> 00:01:30,570  
stretches of Pacific coral reefs, studying the health

22  
00:01:30,590 --> 00:01:34,730  
of these vital ecosystems.

23  
00:01:34,750 --> 00:01:38,790  
Building on

24  
00:01:38,810 --> 00:01:42,870  
similar air quality missions in the United States, KORUS-AQ

25  
00:01:42,890 --> 00:01:46,960  
is an international effort to study the air quality over South Korea.

26

00:01:51,080 --> 00:01:55,290

Finally,