



1
00:00:05,380 --> 00:00:06,380
[MUSIC]

2
00:00:06,380 --> 00:00:09,250
We're here in Osan Airbase in Hanger 1187.

3
00:00:09,250 --> 00:00:12,080
This is the KORUS-AQ base of operations.

4
00:00:12,080 --> 00:00:17,360
This is where we have our team meetings, our flight planning meetings also the space where

5
00:00:17,360 --> 00:00:19,490
the scientists get to repair their instruments.

6
00:00:19,490 --> 00:00:22,130
For KORUS-AQ we're flying three different aircraft.

7
00:00:22,130 --> 00:00:23,140
[PLANE NOISE]

8
00:00:23,140 --> 00:00:27,570
We've got the NASA DC-8, NASA B200, and the Hanseo University Kingair.

9
00:00:27,570 --> 00:00:33,070
The B200 is flying high about twenty-eighty thousand feet with some airborne simulators

10
00:00:33,070 --> 00:00:37,220
these are the same instruments that will hopefully fly on a satellite some day, we're getting

11
00:00:37,220 --> 00:00:40,260
a chance to test them in a controlled environment.

12

00:00:40,260 --> 00:00:45,050

Our flight plans are very complex, sometimes flying just a couple thousand feet above the

13

00:00:45,050 --> 00:00:50,790

surface, we're flying in populated areas, we're doing spirals to build vertical profiles

14

00:00:50,790 --> 00:00:55,670

of the atmosphere and it's also very busy airspace.

15

00:00:55,670 --> 00:01:01,079

Many commercial flights, military air traffic so we've worked closely coordinating flight

16

00:01:01,079 --> 00:01:02,079

plans.

17

00:01:02,079 --> 00:01:05,170

The data we're collecting during KORUS-AQ will be particularly useful in letting us

18

00:01:05,170 --> 00:01:07,790

get a better understanding of how to measure air pollution from space.