



1

00:00:00,020 --> 00:00:04,010

Studinger: NASA's Operation IceBridge is a six-year campaign

2

00:00:04,030 --> 00:00:08,080

that monitors the sea ice and the land ice over the Arctic

3

00:00:08,100 --> 00:00:12,110

and the Antarctic. Over the past couple of weeks

4

00:00:12,130 --> 00:00:16,120

we have collected a tremendous data set over the sea ice in the Arctic Ocean

5

00:00:16,140 --> 00:00:20,120

that will allow us to calibrate the European Space Agency's

6

00:00:20,140 --> 00:00:24,140

Cryosat 2 satellite. And we were able to do this because we were

7

00:00:24,160 --> 00:00:28,170

pooling resources between ESA's Cryovex campaign

8

00:00:28,190 --> 00:00:32,190

and NASA's Operation IceBridge. And this joint data set will allow us

9

00:00:32,210 --> 00:00:36,230

to build a joint time series of measurements in the Arctic Ocean

10

00:00:36,250 --> 00:00:40,250

This was the second year in a row that we have collected data

11

00:00:40,270 --> 00:00:44,280

on the ground in the air, and from satellite measurements at the same time,

12

00:00:44,300 --> 00:00:48,320

and this data set will help us greatly to understand

13

00:00:48,340 --> 00:00:52,370

the data and calibrate the data that are being collected by satellites from space.

14

00:00:52,390 --> 00:00:56,500

The data sets that we are collecting

15

00:00:56,520 --> 00:01:00,520

will also help develop better techniques for ICESat2

16

00:01:00,540 --> 00:01:04,540

and together with all these satellite missions we hope to build

17

00:01:04,560 --> 00:01:08,560

a very long time series, beginning with ICESat one,

18

00:01:08,580 --> 00:01:12,600

covering over IceBridge, Cryosat 2, and