



1

00:00:00,010 --> 00:00:04,000

NASA's Operation IceBridge flew our first science flight of the

2

00:00:04,020 --> 00:00:08,100

2015 Arctic season on Thursday, March 19th.

3

00:00:08,120 --> 00:00:12,110

We call this flight the Sea Ice Nansen Gap flight, and it covers a very interesting

4

00:00:12,130 --> 00:00:16,110

area of sea ice just to the north of the Fram Strait, which is the wide waterway

5

00:00:16,130 --> 00:00:20,130

separating Greenland from the Svalbard archipelago just north of Europe.

6

00:00:20,150 --> 00:00:24,210

One of the most interesting aspects of this mission was the overflight of an icebound

7

00:00:24,230 --> 00:00:28,300

Norwegian research vessel, called the Lance.

8

00:00:28,320 --> 00:00:32,400

The Lance was intentionally allowed to freeze into the pack ice just north of Svalbard several weeks ago

9

00:00:32,420 --> 00:00:36,420

earlier in the season, and where they conduct a wide-ranging

10

00:00:36,440 --> 00:00:40,430

array of scientific experiments. One of those experiments was done in conjunction with us.

11

00:00:40,450 --> 00:00:44,440

And required us to overfly the ship and

12

00:00:44,460 --> 00:00:48,620

a surveyed field just adjacent to the ship a couple of times. This is quite

13

00:00:48,640 --> 00:00:52,760

a challenging process for us because the ship is moving with the ice -- it's like hitting a moving target.

14

00:00:52,780 --> 00:00:56,810

And so we received regular position updates

15

00:00:56,830 --> 00:01:00,990

on the ship as we flew along via our satellite phone connection

16

00:01:01,010 --> 00:01:05,000

and we were able to target our overflight of the ship very accurately.

17

00:01:05,020 --> 00:01:09,000

We conducted two overflights of exactly the area we wanted to