



1
00:00:07,909 --> 00:00:03,750
the operation icebridge 2010 arctic

2
00:00:12,549 --> 00:00:09,669
since arriving in greenland on march

3
00:00:14,629 --> 00:00:12,559
22nd the mission scientists engineers

4
00:00:15,990 --> 00:00:14,639
and crew have already taken off on

5
00:00:18,230 --> 00:00:16,000
several science flights over the

6
00:00:20,870 --> 00:00:18,240
region's glaciers and sea ice

7
00:00:22,470 --> 00:00:20,880
flying aboard nasa's dc-8 aircraft

8
00:00:23,509 --> 00:00:22,480
outfitted with an array of science

9
00:00:25,349 --> 00:00:23,519
instruments

10
00:00:27,589 --> 00:00:25,359
scientists are monitoring changes to the

11
00:00:30,070 --> 00:00:27,599
region's ice even peering below the

12
00:00:32,790 --> 00:00:30,080
surface of some glaciers an observation

13
00:00:34,549 --> 00:00:32,800

not currently possible from satellites

14

00:00:36,950 --> 00:00:34,559

the first priority of this campaign is

15

00:00:40,229 --> 00:00:36,960

to survey arctic sea ice which reaches

16

00:00:41,670 --> 00:00:40,239

its maximum extent just as spring begins

17

00:00:43,590 --> 00:00:41,680

the amount of sea ice covering the

18

00:00:45,190 --> 00:00:43,600

arctic at the end of each winter is an

19

00:00:47,350 --> 00:00:45,200

important indication of the health of

20

00:00:48,790 --> 00:00:47,360

the arctic and earth's climate system

21

00:00:50,389 --> 00:00:48,800

greenland because of its presence and

22

00:00:53,670 --> 00:00:50,399

antarctica all the ice masses together

23

00:00:55,830 --> 00:00:53,680

act as acts as buffer and climate and so

24

00:00:58,310 --> 00:00:55,840

if if they were to start to melt which

25

00:01:01,189 --> 00:00:58,320

which many people believe that they are

26

00:01:03,110 --> 00:01:01,199

then the eventual effect will be a

27

00:01:04,630 --> 00:01:03,120

warmer climate overall

28

00:01:06,789 --> 00:01:04,640

over the course of this spring's

29

00:01:09,109 --> 00:01:06,799

five-week campaign researchers will make

30

00:01:10,950 --> 00:01:09,119

a total of 10-12 science flights

31

00:01:13,429 --> 00:01:10,960

continuing to monitor the most sensitive