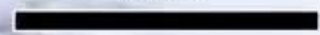


July 21, 2012



5 km



1

00:00:02,210 --> 00:00:07,130

July 16th, 2012 - the Petermann Glacier in northwest Greenland

2

00:00:07,150 --> 00:00:12,470

lost a massive iceberg, for the second time in three years.

3

00:00:12,490 --> 00:00:16,660

As the ice floating in the fjord broke up, the ice island was carried by the current

4

00:00:16,680 --> 00:00:21,550

down the glacier's outlet channel and toward the Nares Strait.

5

00:00:21,570 --> 00:00:25,220

Known as Petermann Ice Island 2012, it was about 12 square miles -

6

00:00:25,240 --> 00:00:30,400

half the size of Manhattan - and floating at one kilometer per day.

7

00:00:30,420 --> 00:00:35,980

NASA's Aqua and Terra satellites made multiple passes each day over the polar regions,

8

00:00:36,000 --> 00:00:41,470

allowing scientists to track the ice island - whenever clouds didn't block the view.

9

00:00:41,490 --> 00:00:46,060

Scientists have been watching this crack develop since 2001.

10

00:00:46,080 --> 00:00:50,200

Ocean temperatures are one factor determining when glaciers will calve an iceberg.