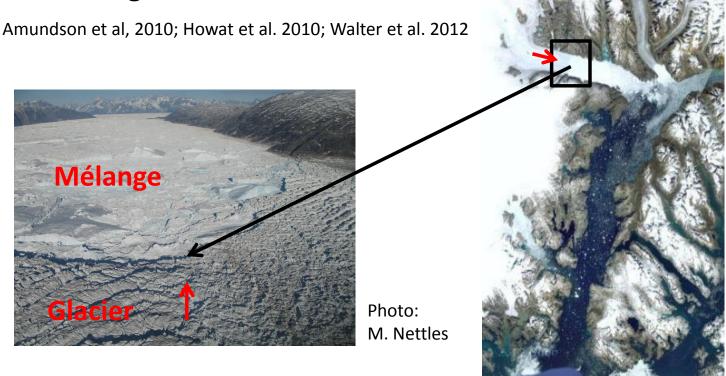
## Glacier calving behavior has been tied to changes in the ice mélange.



**Question:** What is the impact of down-fjord winds on the ice mélange?

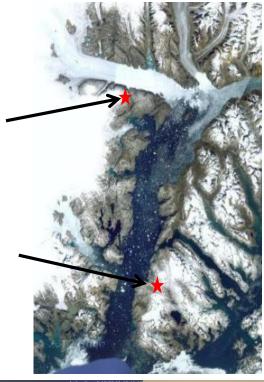
Oltmanns, Straneo, Hamilton, Mernild, Buccino

Method: Construct Helheim ice mélange index using a timelapse camera and compare the time series with wind data from weather station at Sermilik Fjord.

Camera

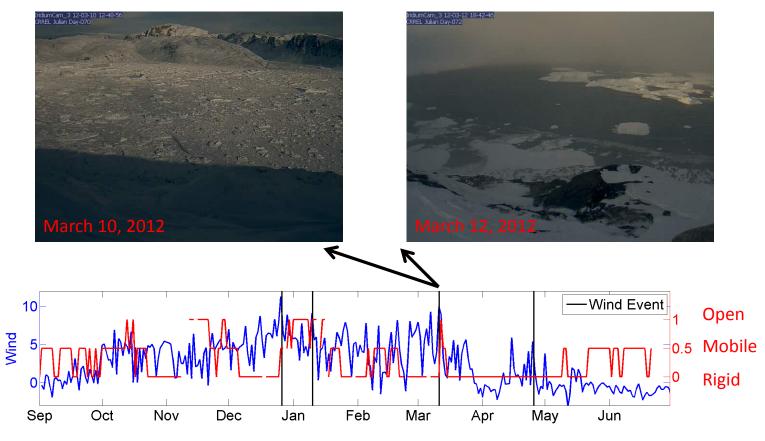
Station

G. Hamilton





## **Result**: Strong winds are often associated with the disintegration of the ice mélange.



Oltmanns, Straneo, Hamilton, Mernild, Buccino