Physical Oceanography



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Title: Horizontal velocity in the central Arctic from in-situ observations

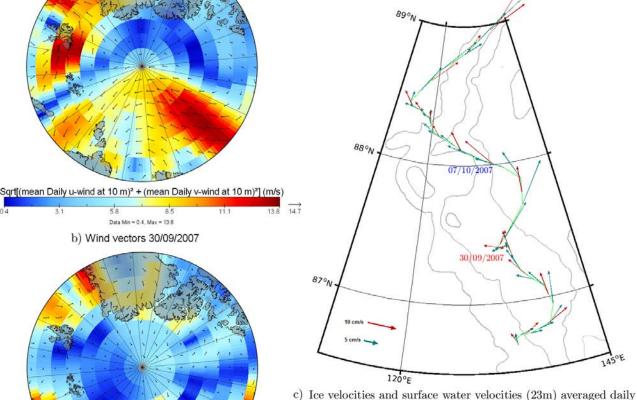
Data: In situ observations



Horizontal velocity in the central



Arctic from in-situ observations



Main question:

What is the vertical atmosphere-ice-ocean coupling and Arctic Ocean regional upper ocean circulation?

Data:

In-situ ocean current velocity (Acoustic Doppler Current Profiler)

- vessel-mounted (ships, various years)
- autonomous buoy (ITAC, 2007)

Ice drift track

Ice velocity

Ocean velocity (23 m)

a) Wind vectors 07/10/2007