

# FTIR imaging analysis of cell content in sea-ice diatom taxa during a spring bloom in the lower Northwest Passage of the Canadian Arctic

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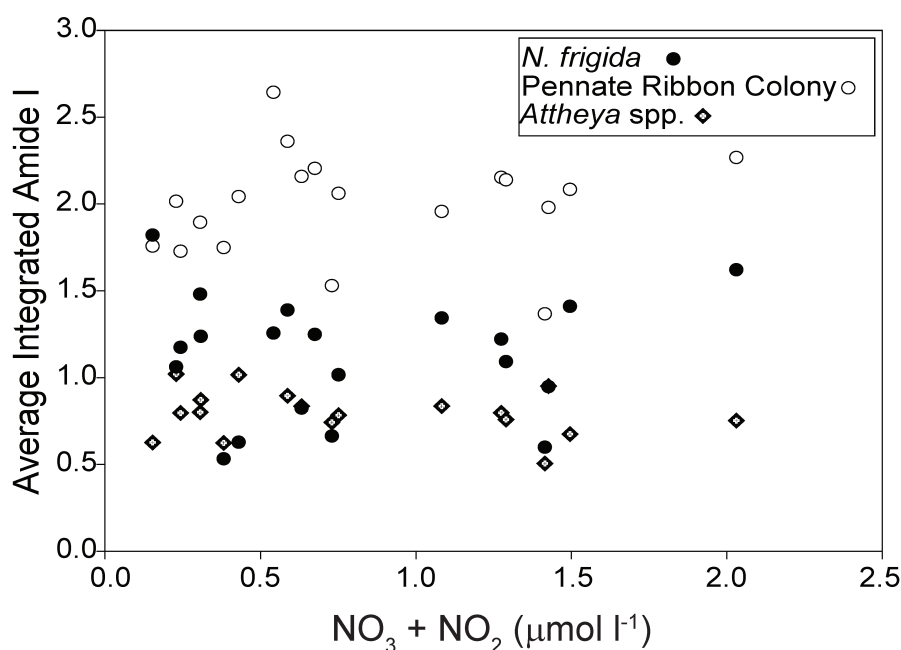


Fig. S1: Average integrated protein (Amide I) content per cell versus NO<sub>3</sub> + NO<sub>2</sub> concentration.

Table S1: Total number of diatom cells analyzed for *N. frigida*, *Attheya* spp., and Pennate Ribbon Colony over the course of the study, under thick and thin snow cover.

Collection Date	Thin Snow Depth			Thick Snow Depth		
	<i>N. frigida</i>	Pennate Ribbon Colony	<i>Attheya</i> spp.	<i>N. frigida</i>	Pennate Ribbon Colony	<i>Attheya</i> spp.
11 March	4	10*	-	3	18*	-
15 March	5	18*	6	7	12*	4
21 April	10	17*	9	9	12*	6
25 April	5	8*	6	5	12*	3
29 April	11	10*	8	4	5*	3
1 May	9	9*	7	8	7*	5
5 May	7	9*	3	8	14*	5
8 May	5	8*	6	10	12*	5
10 May	4	4*	4	3	4*	3
13 May	7	8*	10	6	13*	5
19 May	3	12*	5	3	6*	3
21 May	13	9*	11	14	16*	10
26 May	8	4*	6	8	16*	3
28 May	6	-	8	5	6*	3
30 May	6	-	9	3	4*	4

\*Diatom colony was sectioned and averaged; each section contained five cells total