

Dataset Description

Station Information							
ID*	Type*	Location	Latitude*	Longitude*	Coordinate System Units	Coordinate Reference System	Coordinate Collection Method
16	Ocean	Hudson Bay	62.2796	-85.906	decimal degrees	Unknown	GPS - Unspecified
18	Ocean	Hudson Bay	63.7138	-88.417	decimal degrees	Unknown	GPS - Unspecified
19	Ocean	Hudson Bay	61.848	-92.1103	decimal degrees	Unknown	GPS - Unspecified
21	Ocean	Hudson Bay	60.9113	-89.3586	decimal degrees	Unknown	GPS - Unspecified
24	Ocean	Hudson Bay	61.6966	-87.7641	decimal degrees	Unknown	GPS - Unspecified
25	Ocean	Hudson Bay	62.0219	-87.0088	decimal degrees	Unknown	GPS - Unspecified
36	Ocean	Hudson Bay	57.774	-86.0311	decimal degrees	Unknown	GPS - Unspecified
38	Ocean	Hudson Bay	58.7224	-86.3045	decimal degrees	Unknown	GPS - Unspecified
40	Ocean	Hudson Bay	58.23267	-88.56332	decimal degrees	Unknown	GPS - Unspecified

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SAMPLE VARIABLE DETAILS

Variable Name*	Variable Description	Variable Speciation	Variable Sample Fraction*	Variable Media Type	Activity Collection Type	Result Value Type
Year		None	None	Other	n/a	Actual
Month		None	None	Other	n/a	Actual
Day		None	None	Other	n/a	Actual
Station	ID	None	None	Other	n/a	Actual
Lat	Latitude in Decimal Degrees	None	None	Other	Satellite	Actual
Long	Longitude in Decimal Degrees	None	None	Other	Satellite	Actual
Sample_Type	Bottom ice, Melosira arctica	None	None	Other	Field Observation	Actual
Bottom_Core_height_cm	Height of the collected ice core bottom section	None	None	Ice Core	Field Observation	Actual

Numbers_of_cores	Number of bottom core sections that were pooled in this sample	None	None	Ice Core	Field Observation	Actual
PBmax_mg_C_C_hla-1_h-1	Maximum photosynthetic rate	None	Filtrate	Biological	Lab Measurement	Calculated

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PBs_mg_C_Chla1_h-1	Photosynthetic rate	None	Filtrate	Biological	Lab Measurement	Calculated
alpha_mg_C_Chla-1_h-1_(micromol_photons_m-1_s-1)1	Photosynthetic efficiency	None	Filtrate	Biological	Lab Measurement	Calculated
Ek_micromol_photons_m-2_s-1	Photoacclimation parameter	None	Filtrate	Biological	Lab Measurement	Calculated
beta_mg_C_Chla-1_h-1_(micromol_photons_m-1_s-1)1	Photoinhibition	None	Filtrate	Biological	Lab Measurement	Calculated
QF	Data qualifier	None	None	Other	n/a	Actual

DATA FILE DETAILS

Column Name*	Unit	Description	Statistic Applied
Sample_Type	none	Bottom ice, Melosira arctica	
Bottom_Core_height_cm	cm	Height of the collected ice core bottom section	
Numbers_of_cores	none	Number of bottom core sections that were pooled in this sample	
PBmax_mg_C_Chla-1_h-1	mg C Chl a-1 h-1	Maximum photosynthetic rate	
PBs_mg_C_Chla-1_h-1	mg C Chl a-1 h-1	Photosynthetic rate	
alpha_mg_C_Chla-1_h-1_(micromol_photons_m-1_s-1)-1	mg C Chl a-1 h-1 ($\mu\text{m photons m}^{-1} \text{s}^{-1}$)-1	Photosynthetic efficiency	
Ek_micromol_photons_m-2_s-1	$\mu\text{m photons m}^{-1} \text{s}^{-1}$	Photoacclimation parameter	
beta_mg_C_Chla-1_h-1_(micromol_photons_m-1_s-1)-1	mg C Chl a-1 h-1 ($\mu\text{m photons m}^{-1} \text{s}^{-1}$)-1	Photoinhibition	