

# Tables

Table 1: Descriptions of the minimal variables included in each data set (i.e. in each CSV file).

Variable	Description
date	Sampling date (UTC)
latitude	Latitude of the sampling location (degree decimals).
longitude	Longitude of the sampling location (degree decimals).
sample_type	Origin of the water ("water", "ice", "meltpond").
sample_source	Source of the water ("niskin", "underice" "0-1 cm", "0-3 cm", "3-10 cm", "rosette" ).
depth_m	Depth at which measurement was made.
snow_thickness	Qualitative value describing the snow cover under which measurement was made ("thin_snow", "thick_snow").
mission	Mission identifier ("ice_camp_2015", "ice_camp_2016")
pi	Name(s) of the principal investigator(s) responsible of the measured variable.

Table 2: Parameters measured during the Green Edge ice camp surveys. Parameters are ordered by alphabetical order and sampling year.

	Year	Parameter	Sampling method	Principal investigators	Processed
2	2015	Absorption coefficient	In-water profiler	Becu G. / Babin M.	Available
	2015	Absorption (particulate)	Camp ice sample	Ehn J. / Cox C.	Available
	2015	Absorption (particulate)	Camp water sample	Ehn J. / Cox C.	Available
	2015	Absorption (particulate)	Camp ice sample	Matsuoka A. / Bricaud A. / Ferland J.	Available
	2015	Absorption (particulate)	Camp water sample	Matsuoka A. / Bricaud A. / Ferland J.	Available
	2015	ADCP (Mooring)	Mooring	Marec C.	Available
	2015	Aerosol optical depth	Surface mode	Belanger S. / Goyens C. / Leymarie E.	Available
	2015	Aerosol relative humidity	Surface mode	Belanger S. / Goyens C. / Leymarie E.	Available
	2015	Air Relative Humidity	Meteorological Tower	Massé G.	Available
	2015	Air Temperature	Meteorological Tower	Massé G.	Available
	2015	Alkalinity total (TA)	Camp water sample	Else B. / Whitehead J.	Available
	2015	Ammonium (NH <sub>4</sub> )	Camp water sample	Raimbault P.	Data not available yet
	2015	Ammonium (NH <sub>4</sub> , assimilation)	Camp water sample	Raimbault P.	Available
	2015	Ammonium (NH <sub>4</sub> , regeneration)	Camp water sample	Raimbault P.	Available
	2015	Angstrom coefficient	Surface mode	Belanger S. / Goyens C. / Leymarie E.	Available
	2015	Attenuation coefficient	In-water profiler	Becu G. / Babin M.	Available
	2015	Backscattering coefficient	In-water profiler	Becu G. / Babin M.	Available
	2015	Bacterial sequencing	Air filtration	Amiriaux R.	Available
	2015	Bacterial sequencing	Camp water sample	Amiriaux R.	Available
	2015	Bacterial sequencing	Ice core	Amiriaux R.	Available
	2015	Bacterial sequencing	Sediment trap	Amiriaux R.	Available
	2015	Brine salinity and volume	Sea ice core	Galindo V./ Rysgaard S.	Available
	2015	Chlorophyll a	In-water profiler	Becu G. / Babin M.	Available
	2015	Chlorophyll a	Sediment Trap	Fortier L. / Lalande C.	Available
	2015	Chlorophyll a and Phaeopigments (concentration)	Camp water sample	Babin M. / Ferland J.	Available
	2015	Chlorophyll a and phaeopigments (concentration)	Camp water sample	Raimbault P.	Data not available yet
	2015	Chromophoric dissolved organic matter absorption	In-water profiler	Becu G. / Babin M.	Available
	2015	Chromophoric dissolved organic matter absorption	Camp water sample	Matsuoka A. / Ferland J. / Babin M.	Available
	2015	Conductivity, temperature, and depth (CTD)	In-water profiler	Becu G. / Babin M.	Available
	2015	Conductivity, temperature, and depth (CTD)	In-water profiler	Guillot P. / Babin M. / Marec C.	Available
	2015	Cryptophytes (abundance)	Camp water sample	Vaulot D. / Marie D.	Available

Table 2: Parameters measured during the Green Edge ice camp surveys. Parameters are ordered by alphabetical order and sampling year. *(continued)*

ω	Year	Parameter	Sampling method	Principal investigators	Processed
	2015	Diffuse attenuation coefficient (Kd)	Profile mode	Becu G. / Babin M.	Available
	2015	Dimethyl sulfide (DMS)	Camp water sample	Levasseur M.	Available
	2015	Dimethyl sulfide (DMS)	Melt pond water sample	Levasseur M.	Available
	2015	Dimethyl sulfide (DMS)	Sea ice core	Levasseur M.	Available
	2015	Dimethylsulfoniopropionate (DMSP)	Camp water sample	Levasseur M.	Available
	2015	Dimethylsulfoniopropionate (DMSP)	Melt pond water sample	Levasseur M.	Available
	2015	Dimethylsulfoniopropionate (DMSP)	Sea ice core	Levasseur M.	Available
	2015	Dissolved inorganic Carbon (DIC)	Camp water sample	Else B. / Whitehead J.	Available
	2015	Dissolved organic matter (sugars)	Rosette	Sempéré R. / Panagiotopoulos C.	Available
	2015	Dissolved organic nitrogen (release)	Camp water sample	Raimbault P.	Available
	2015	Downwelling irradiance	Surface mode	Belanger S. / Goyens C. / Leymarie E.	Available
	2015	Downwelling Irradiance above the surface (Ed(0+))	Surface mode	Babin M. / Galí M.	Available
	2015	Downwelling Irradiance above the surface (Ed(0+))	Profile mode	Becu G. / Babin M.	Available
	2015	Downwelling Irradiance (Ed(z))	Profile mode	Becu G. / Babin M.	Available
	2015	Ed(0+) spectra from SBDART radiative transfer simulations	Surface mode	Babin M. / Galí M.	Available
	2015	Faecal pellets flux	Sediment Trap	Fortier L. / Lalande C.	Available
	2015	Fluorescence Variable (phytoplankton)	Camp water sample	Galindo V. / Rysgaard S.	Data not available yet
	2015	Fluorescence Variable (phytoplankton)	Sediment Trap	Galindo V. / Rysgaard S.	Available
	2015	Fluorescence Variable (phytoplankton)	Surface mode	Galindo V. / Rysgaard S.	Data not available yet
	2015	Hemispherical directional reflectance distribution function	Surface mode	Belanger S. / Goyens C. / Leymarie E.	Available
	2015	Hemispherical Directional Reflectance Factor	Surface mode	Belanger S. / Goyens C. / Leymarie E.	Available
	2015	Heterotrophic bacteria (abundance)	Camp water sample	Vaulot D. / Marie D.	Available
	2015	Heterotrophic nanoflagellates	Camp water sample	Joux F.	Available
	2015	Ice and snow temperature	Meteorological Tower	Massé G.	Available
	2015	Ice thickness	Camp ice sample	Galindo V. / Rysgaard S.	Available
	2015	Irradiance (downwelling, upwelling)	Surface-, Under-water profile-mode	Matthes L. / Ehn J. / Lambert-Girard S./ Mundy C.J.	Available
	2015	Isoprenoid lipids	Camp water sample	Massé G. / Guilmette C.	Data not available yet
	2015	Isoprenoid lipids	Sea ice core	Massé G. / Guilmette C.	Data not available yet
	2015	Net radiation	Surface mode	Else B.	Available
	2015	Nitrate (NO3)	Camp water sample	Raimbault P.	Available
	2015	Nitrate (NO3)	Sea ice core	Raimbault P.	Available
	2015	Nitrate (NO3, assimilation)	Camp water sample	Raimbault P.	Available

Table 2: Parameters measured during the Green Edge ice camp surveys. Parameters are ordered by alphabetical order and sampling year. *(continued)*

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Year	Parameter	Sampling method	Principal investigators	Processed
2015	Nitrification	Camp water sample	Raimbault P.	Available
2015	Nitrite (NO <sub>2</sub> )	Camp water sample	Raimbault P.	Available
2015	Nitrite (NO <sub>2</sub> )	Sea ice core	Raimbault P.	Available
2015	PAR from SBDART radiative transfer simulations	Surface mode	Babin M. / Galí M.	Available
2015	Particle Size Distribution	In-water profiler	Becu G. / Babin M.	Available
2015	Particles size	Underwater Vision Profiler (UVP)	Marec C. / Picheral M.	Available
2015	Particulate Carbon (PC)	Camp water sample	Babin M. / Ferland J.	Available
2015	Particulate mass	Sediment Trap	Fortier L. / Lalande C.	Available
2015	Particulate Nitrogen (PN)	Camp water sample	Babin M. / Ferland J.	Available
2015	Particulate nitrogen (PN)	Sediment Trap	Fortier L. / Lalande C.	Data not available yet
2015	Particulate organic carbon (POC)	Sediment Trap	Fortier L. / Lalande C.	Available
2015	Particulate organic carbon (POC)	Camp water sample	Raimbault P.	Available
2015	Particulate organic nitrogen (PON)	Camp water sample	Raimbault P.	Available
2015	Particulate Organic Phosphorus (POP)	Camp water sample	Raimbault P.	Data not available yet
2015	PDMPO uptake	Camp water sample	Leynaert A.	Data not available yet
2015	PDMPO uptake per species	Camp water sample	Leynaert A.	Data not available yet
2015	Phosphate (PO <sub>4</sub> )	Camp water sample	Raimbault P.	Available
2015	Phosphate (PO <sub>4</sub> )	Sea ice core	Raimbault P.	Available
2015	Photosynthetically available radiation (PAR)	Surface mode	Babin M. / Galí M.	Available
2015	Photosynthetically available radiation (PAR)	Profile mode	Becu G. / Babin M.	Available
2015	Photosynthetic nanoeukaryotes (abundance)	Camp water sample	Vaulot D. / Marie D.	Available
2015	Photosynthetic parameters	Camp water sample	Ferland J. / Babin M.	Available
2015	Photosynthetic picoeukaryotes (abundance)	Camp water sample	Vaulot D. / Marie D.	Available
2015	Phytoplankton	Camp water sample	Ferland J. / Grondin P.L. / Babin M. / Marec C.	Available
2015	Phytoplankton (taxonomy)	Sediment Trap	Fortier L. / Lalande C.	Available
2015	Pigments	Sea ice core	Galindo V. / Rysgaard S.	Available
2015	Pigments	Camp water sample	Ras J. / Claustre H.	Available
2015	Primary production	Camp water sample	Raimbault P.	Available
2015	Rrs (0+)	Profile mode	Becu G. / Babin M.	Available
2015	Salinity	Sea ice core	Galindo V. / Rysgaard S.	Available
2015	Salinity-induced bacterial biomarker	Ice core	Amiraux R./ Rontani J-F.	Available
2015	Salinity-induced bacterial biomarker	Sediment trap	Amiraux R./ Rontani J-F.	Available

Table 2: Parameters measured during the Green Edge ice camp surveys. Parameters are ordered by alphabetical order and sampling year. *(continued)*

Year	Parameter	Sampling method	Principal investigators	Processed
2015	Sea ice concentration	Surface mode	Massicotte P.	Available
2015	Silica Biogenic (BSi)	Camp water sample	Leynaert A.	Available
2015	Silica Biogenic (BSi) dissolution rate	Camp water sample	Leynaert A.	Available
2015	Silicate Si(OH) <sub>4</sub> - absorption kinetics	Camp water sample	Leynaert A.	Available
2015	Silica (uptake rate)	Camp water sample	Leynaert A.	Available
2015	Si(OH) <sub>4</sub>	Camp water sample	Leynaert A.	Available
2015	Si(OH) <sub>4</sub>	Camp water sample	Raimbault P.	Available
2015	Si(OH) <sub>4</sub>	Sea ice core	Raimbault P.	Available
2015	Snow depth	Camp snow sample	Galindo V./ Rysgaard S.	Available
2015	Snow depth	Meteorological Tower	Massé G.	Available
2015	Sugars	Sediment Trap	Sempéré R. / Panagiotopoulos C.	Available
2015	Surface Albedo	Surface mode	Verin G.	Available
2015	Suspended particulate material (SPM)	Camp water sample	Babin M. / Ferland J.	Available
2015	Swimmers	Sediment Trap	Fortier L. / Lalande C.	Available
2015	Synechococcus (abundance)	Camp water sample	Vaulot D. / Marie D.	Available
2015	Temperature	Sea ice core	Galindo V. / Rysgaard S.	Available
2015	Total organic carbon (TOC)	Rosette	Sempéré R. / Panagiotopoulos C.	Available
2015	Total organic carbon (TOC)	Camp water sample	Raimbault P.	Available
2015	Total organic nitrogen (TON)	Camp water sample	Raimbault P.	Available
2015	Total organic phosphorus (TOP)	Camp water sample	Raimbault P.	Available
2015	Transmittance through ice	Surface mode	Verin G.	Available
2015	Under-ice export fluxes of biogenic matter (fresh)	Sediment Trap	Fortier L. / Lalande C.	Available
2015	Under-ice photos and video	GoPro Hero 4 on radiometer profiler	Rehm E.	Available
2015	Upwelling Irradiance (Eu(z))	Profile mode	Becu G. / Babin M.	Available
2015	Upwelling radiance	Surface mode	Belanger S. / Goyens C. / Leymarie E.	Available
2015	Upwelling radiance (Lu)	Profile mode	Becu G. / Babin M.	Available
2015	Vertical profile of snow density	Surface mode	Verin G.	Available
2015	Vertical profile of Specific Surface Area	Surface mode	Verin G.	Available
2015	Virus (abundance)	Camp water sample	Joux F.	Available
2015	Wind Direction	Meteorological Tower	Massé G.	Available
2015	Wind Speed	Meteorological Tower	Massé G.	Available

Table 2: Parameters measured during the Green Edge ice camp surveys. Parameters are ordered by alphabetical order and sampling year. *(continued)*

Year	Parameter	Sampling method	Principal investigators	Processed
2015	Zooplankton (Abundances)	Plankton net	Fortier L. / Aubry C	Available
2015	Zooplankton (Abundances)	Plankton net (LOKI)	Fortier L. / Aubry C	Available
2015	Zooplankton (Taxonomy)	Plankton Net	Fortier L. / Aubry C	Available
2015	Zooplankton (Taxonomy)	Plankton net (LOKI)	Fortier L. / Aubry C	Available
2015	Zooplankton vertical distribution	Underwater Vision Profiler (UVP)	Marec C. / Sophie R. / Picheral M.	Available
2016	234Th (dissolved)	Rosette	Schmidt S.	Data not available yet
2016	234Th (particulate)	Rosette	Schmidt S.	Data not available yet
2016	Absorption coefficient	In-water IOP profiler	Becu G. / Babin M.	Available
2016	Absorption (particulate)	Camp ice sample	Matsuoka A. / Bricaud A. / Ferland J.	Available
2016	Absorption (particulate)	Camp water sample	Matsuoka A. / Bricaud A. / Ferland J.	Available
2016	ADCP (Mooring)	Mooring	Oziel L. / Houssais M.-N. / Babin M./ Lagunas J.	Available
2016	Air Relative Humidity	Meteorological Tower	Massé G.	Available
2016	Air Temperature	Meteorological Tower	Massé G.	Available
2016	Ammonium (NH <sub>4</sub> )	Camp water sample	Raimbault P.	Data not available yet
2016	Ammonium (NH <sub>4</sub> , assimilation)	Camp water sample	Raimbault P.	Available
2016	Ammonium (NH <sub>4</sub> , regeneration)	Camp water sample	Raimbault P.	Available
2016	Attenuation coefficient	In-water IOP profiler	Becu G. / Babin M.	Available
2016	Backscattering coefficient	In-water IOP profiler	Becu G. / Babin M.	Available
2016	Bacterial cultures	Camp water sample	Joux F.	Available
2016	Bacterial cultures	Sea ice core	Joux F.	Available
2016	Bacterial production	Sea ice core	Joux F. / Galindo V.	Available
2016	Bacterial production	Camp water sample	Joux F. / Galindo V.	Available
2016	Brine salinity and volume	Sea ice core	Galindo V./ Rysgaard S.	Available
2016	Chlorophyll a	In-water IOP profiler	Becu G. / Babin M.	Available
2016	Chlorophyll a	Sediment Trap	Fortier L. / Lalande C.	Available
2016	Chlorophyll a and phaeopigments (concentration)	Camp water sample	Babin M. / Ferland J.	Available
2016	Chromophoric dissolved organic matter absorption	In-water IOP profiler	Becu G. / Babin M.	Available
2016	Chromophoric dissolved organic matter absorption	Camp water sample	Matsuoka A. / Ferland J. / Babin M.	Available
2016	Chromophoric dissolved organic matter fluorescence	Camp water sample	Matsuoka A. / Ferland J.	Available
2016	Conductivity, temperature, and depth (CTD)	In-water IOP profiler	Becu G. / Babin M.	Available
2016	Conductivity, temperature, and depth (CTD)	In-water profiler	Guillot P. / Lagunas J.	Available
2016	Cryptophytes (abundance)	Camp water sample	Vaulot D.	Available

Table 2: Parameters measured during the Green Edge ice camp surveys. Parameters are ordered by alphabetical order and sampling year. *(continued)*

Year	Parameter	Sampling method	Principal investigators	Processed
2016	Cultures of sorted populations	Camp water sample	Vaulot D.	Available
2016	Diatoms (bacilliarophyta) abundance	Camp water sample	Leblanc K. / Queguiner B. / Lafond.A	Available
2016	Diatoms (bacilliarophyta) taxonomy	Camp water sample	Leblanc K. / Queguiner B. / Lafond.A	Available
2016	Diffuse attenuation coefficient (Kd)	Optical radiometers profiling system	Becu G. / Babin M.	Available
2016	Dissolved organic carbon (HTCO)	Rosette	Matsuoka A. / Benner R. / Ferland J.	Available
2016	Dissolved organic matter (Amino acids)	Rosette	Matsuoka A. / Benner R. / Ferland J.	Available
2016	Dissolved organic matter (sugars)	Rosette	Panagiotopoulos C./ R Sempéré	Available
2016	Dissolved organic nitrogen (release)	Camp water sample	Raimbault P.	Available
2016	Downwelling irradiance	Surface mode	Belanger S. / Goyens C. / Lambert Girard S.	Available
2016	Downwelling irradiance	Surface mode	Lambert-Girard S. / Leymarie E.	Available
2016	Downwelling Irradiance above the surface (Ed(0+))	Surface mode	Babin M. / Galí M.	Available
2016	Downwelling Irradiance above the surface (Ed(0+))	Optical radiometers profiling system	Becu G. / Babin M.	Available
2016	Downwelling Irradiance (Ed(z))	Optical radiometers profiling system	Becu G. / Babin M.	Available
2016	Ed(0+) spectra from SBDART radiative transfer simulations	Surface mode	Babin M. / Galí M.	Available
2016	Faecal pellets flux	Sediment Trap	Fortier L. / Lalande C.	Available
2016	Hemispherical directional reflectance distribution function	Surface mode	Belanger S. / Goyens C. / Lambert-Girard S.	Data not available yet
2016	Heterotrophic bacteria (abundance)	Camp water sample	Vaulot D.	Available
2016	Hydro SCAMP (temperature, salinity, chlorophyll, turbidity, etc.)	In-water profiler	Vladoiu A. / Dumont D. / Sévigny C.	Available
2016	Ice and snow temperature	Meteorological Tower	Massé G.	Data not available yet
2016	Ice thickness	Camp ice sample	Galindo V./ Rysgaard S.	Available
2016	Irradiance (downwelling)	Surface-, Ice Bottom-mode	Matthes L. / Ehn J. / Lambert-Girard S./ Mundy C.J.	Available
2016	Irradiance (downwelling)	Under-ice irradiance transects, ROV	Matthes L. /Lambert-Girard S./ Ehn J./Mundy C.J	Available
2016	Irradiance (downwelling, upwelling)	Surface-, Under-water profile-mode	Matthes L. / Ehn J. / Lambert-Girard S./ Mundy C.J.	Available
2016	Isoprenoid lipids	Camp water sample	Massé G. / Guilmette C.	Data not available yet
2016	Isoprenoid lipids	Sea ice core	Massé G. / Guilmette C.	Data not available yet
2016	Lipid biomarkers	Collected organisms	Dufour F. / Massé G. / Ayotte P. / Lemire M.	Data not available yet
2016	Lipid tracers of bacteria stress	Camp water sample	Rontani J.-F. / Amiraux R.	Data not available yet
2016	Lipid tracers of bacteria stress	Sea ice core	Rontani J.-F. / Amiraux R.	Data not available yet
2016	Lipid tracers of bacteria stress	Sediment Trap	Rontani J.-F. / Amiraux R.	Data not available yet
2016	Nitrate (NO3)	Camp water sample	Raimbault P.	Available
2016	Nitrate (NO3)	Sea ice core	Raimbault P.	Available
2016	Nitrate (NO3, assimilation)	Camp water sample	Raimbault P.	Available

Table 2: Parameters measured during the Green Edge ice camp surveys. Parameters are ordered by alphabetical order and sampling year. *(continued)*

	Year	Parameter	Sampling method	Principal investigators	Processed
∞	2016	Nitrification	Camp water sample	Raimbault P.	Available
	2016	Nitrite (NO <sub>2</sub> )	Camp water sample	Raimbault P.	Available
	2016	Nitrite (NO <sub>2</sub> )	Sea ice core	Raimbault P.	Available
	2016	Nutrients bioassay	Experiment	Delaforge A./ Mundy CJ	Data not available yet
	2016	Nutrients bioassay	Experiment	Galindo V./ Rysgaard S.	Data not available yet
	2016	PAR from SBDART radiative transfer simulations	Surface mode	Babin M. / Galí M.	Available
	2016	Particle Size Distribution	In-water IOP profiler	Becu G. / Babin M.	Data not available yet
	2016	Particle Size Distribution	In-water profiler	L. Stemmann / Lagunas J.	Data not available yet
	2016	Particles size	Underwater Vision Profiler (UVP)	Lagunas J. / Picheral M.	Available
	2016	Particulate Carbon (PC)	Camp water sample	Babin M. / Ferland J.	Available
	2016	Particulate mass	Sediment Trap	Fortier L. / Lalande C.	Available
	2016	Particulate Nitrogen (PN)	Camp water sample	Babin M. / Ferland J.	Available
	2016	Particulate nitrogen (PN)	Sediment Trap	Fortier L. / Lalande C.	Available
	2016	Particulate organic carbon (POC)	Sediment Trap	Fortier L. / Lalande C.	Available
	2016	Particulate organic carbon (POC)	Camp water sample	Raimbault P.	Available
	2016	Particulate organic nitrogen (PON)	Camp water sample	Raimbault P.	Available
	2016	Particulate Organic Phosphorus (POP)	Camp water sample	Raimbault P.	Data not available yet
	2016	PDMPO uptake	Camp water sample	Leblanc K. / Queguiner B.	Data not available yet
	2016	PDMPO uptake per species	Camp water sample	Leblanc K. / Queguiner B.	Data not available yet
	2016	Phosphate (PO <sub>4</sub> )	Camp water sample	Raimbault P.	Available
	2016	Phosphate (PO <sub>4</sub> )	Sea ice core	Raimbault P.	Available
	2016	Photosynthetically available radiation (PAR)	Surface mode	Babin M. / Galí M.	Available
	2016	Photosynthetically available radiation (PAR)	Optical radiometers profiling system	Becu G. / Babin M.	Available
	2016	Photosynthetic eukaryotes (morphology)	Camp water sample	Vaulot D.	Available
	2016	Photosynthetic nanoeukaryotes (abundance)	Camp water sample	Vaulot D.	Available
	2016	Photosynthetic parameters	Camp water sample	Ferland J. / Babin M.	Available
	2016	Photosynthetic parameters (variable fluorescence)	Camp water sample	Lavaud J. / Galindo V. / Rysgaard S.	Data not available yet
	2016	Photosynthetic parameters (variable fluorescence)	Sediment Trap	Lavaud J. / Galindo V. / Rysgaard S.	Data not available yet
	2016	Photosynthetic parameters (variable fluorescence)	Sea ice core	Lavaud J. / Galindo V. / Rysgaard S.	Data not available yet
	2016	Photosynthetic picoeukaryotes (abundance)	Camp water sample	Vaulot D.	Available
	2016	Phytoplankton	Camp water sample	Ferland J. / Grondin P.L. / Babin M.	Available



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Year	Parameter	Sampling method	Principal investigators	Processed
2016	Phytoplankton (taxonomy)	Sediment Trap	Fortier L. / Lalande C.	Available
2016	Pigments	Camp water sample	Ras J. / Claustre H./Galindo V./ Rysgaard S.	Available
2016	Primary production	Camp water sample	Raimbault P.	Available
2016	Prokaryotic diversity	Camp water sample	Joux F.	Data not available yet
2016	Prokaryotic diversity	Sea ice core	Joux F.	Data not available yet
2016	Rrs (0+)	Optical radiometers profiling system	Becu G. / Babin M.	Available
2016	Salinity	Sea ice core	Galindo V. / Rysgaard S.	Available
2016	Scattering Coefficient	In-water IOP profiler	Becu G. / Babin M.	Available
2016	Sea ice concentration	Surface mode	Massicotte P.	Available
2016	Selenium	Collected organisms	Dufour F., Massé G., Ayotte P., Lemire M.	Available
2016	Silica Biogenic (BSi)	Camp water sample	Leynaert A./Moriceau B./ Leblanc K./Queguiner B.	Available
2016	Silica Biogenic (BSi) dissolution rate	Camp water sample	Moriceau B.	Available
2016	Silica Lithogenic (LSi)	Camp water sample	Leynaert A./Moriceau B./ Leblanc K./Queguiner B.	Data not available yet
2016	Silicate Si(OH) <sub>4</sub> - absorption kinetics	Camp water sample	Leynaert A.	Available
2016	Silica (uptake rate)	Camp water sample	Leynaert A.	Available
2016	Si(OH) <sub>4</sub>	Camp water sample	Leynaert A. / Moriceau B.	Available
2016	Si(OH) <sub>4</sub>	Camp water sample	Raimbault P.	Available
2016	Si(OH) <sub>4</sub>	Sea ice core	Raimbault P.	Available
2016	Snow depth	Camp snow sample	Galindo V./ Rysgaard S.	Available
2016	Spectral downwelling radiance angular distribution	Under-water sensor	Lambert-Girard S. / Leymarie E.	Available
2016	Spectral transmittance through ice	Surface mode	Verin G./Picard. G.	Available
2016	Surface spectral albedo	Surface mode	Verin G./Picard. G.	Available
2016	Suspended particulate material (SPM)	Camp water sample	Babin M. / Ferland J.	Available
2016	Swimmers	Sediment Trap	Fortier L. / Lalande C.	Available
2016	Synechococcus (abundance)	Camp water sample	Vaulot D.	Available
2016	Temperature	Sea ice core	Galindo V. / Rysgaard S.	Available
2016	Total organic carbon (TOC)	Camp water sample	Raimbault P.	Available
2016	Total organic carbon (TOC) and dissolved organic carbon (DOC)	Rosette	Panagiotopoulos C./ Sempéré R.	Available
2016	Total organic nitrogen (TON)	Camp water sample	Raimbault P.	Available
2016	Total organic phosphorus (TOP)	Camp water sample	Raimbault P.	Available
2016	Under-ice export fluxes of biogenic matter (fresh)	Sediment Trap	Fortier L. / Lalande C.	Available
2016	Upwelling Irradiance (Eu(z))	Optical radiometers profiling system	Becu G. / Babin M.	Available

Table 2: Parameters measured during the Green Edge ice camp surveys. Parameters are ordered by alphabetical order and sampling year. (*continued*)

Year	Parameter	Sampling method	Principal investigators	Processed
2016	Upwelling radiance	Surface mode	Belanger S. / Goyens C. / Lambert-Girard S.	Data not available yet
2016	Upwelling radiance (Lu)	Optical radiometers profiling system	Becu G. / Babin M.	Available
2016	Vertical profile of snow density	Surface mode	Verin G./Picard. G.	Available
2016	Vertical profile of Specific Surface Area	Surface mode	Verin G./Picard. G.	Available
2016	Virus (abundance)	Camp water sample	Joux F.	Available
2016	Wind Direction	Meteorological Tower	Massé G.	Available
2016	Wind Speed	Meteorological Tower	Massé G.	Available
2016	Zooplankton (Abundances)	Plankton net	Fortier L. / Aubry C	Available
2016	Zooplankton fecal pellet production rate	Plankton net	Fortier L. / Sampei M	Available
2016	Zooplankton grazing rate	Plankton net	Fortier L. / Sampei M	Available
2016	Zooplankton (Taxonomy)	Plankton Net	Fortier L. / Aubry C	Available
2016	Zooplankton vertical distribution	Underwater Vision Profiler (UVP)	Lagunas J. / Picheral M.	Available