Metadata

Field	Value
Standardized Instrument Name	Sea-Bird SBE 19plus SEACAT CTD
Scheme URI	http://vocab.nerc.ac.uk/collection/L22/current/TOOL0047/
Term URI	SDN:L22:TOOL0047
Instrument DOI	
Instrument Unique ID	19-7798
ID Type	Serial number
Model No.	SBE 19 plus V2
Instrument Type	Baseline
Description	SBE 19 plus V2 attached underneath the rosette water sampler (SBE 32). Sensors for conductivity, temperature, pressure. Attached sensors include SPAR, PAR, nitrate (SUNA), dissolved oxygen, and an ECO triplet.
Manufacturer	Seabird Electronics
Manufacturer type	Organizational
Notes	
Sensor Details	

Field	Value
Sensor Details 1	
Instrument Sensor Name	Temperature
Instrument Sensor Serial No.	7798
Sensor Range	-5 to +35
Sensor Sensitivity	0.0001
Sensor Units	°C
Last Calibration Date	2020-07-07
Sensor Details 2	
Instrument Sensor Name	Pressure
Instrument Sensor Serial No.	7798
Sensor Range	0 to 350
Sensor Sensitivity	0.002% of full scale range
Sensor Units	decibars
Last Calibration Date	2020-07-07
Sensor Details 3	

Field	Value
Instrument Sensor Name	Conductivity
Instrument Sensor Serial No.	7798
Sensor Range	0 to 9
Sensor Sensitivity	0.00005 (most oceanic water resolves 0.4 ppm in salinity). 0.00007 (high salinity water resolves 0.4 ppm in salinity). 0.00001 (fresh water resolves 0.1 ppm in salinity).
Sensor Units	S/m
Last Calibration Date	2020-07-07

Sensor Details 4

Instrument Sensor Name	ECO triplet (fluorescence)
Instrument Sensor Serial No.	4660
Sensor Range	
Sensor Sensitivity	
Sensor Units	
Last Calibration Date	2020-06-26

Sensor Details 5

Instrument Sensor Name	SBE 43 (dissolved oxygen)

Field	Value
Instrument Sensor Serial No.	3513
Sensor Range	120% of surface saturation in all natural waters (fresh and salt)
Sensor Sensitivity	± 2% of saturation (initial)
Sensor Units	% sat or mg/L
Last Calibration Date	2020-06-26
Sensor Details 6	
Instrument Sensor Name	PAR
Instrument Sensor Serial No.	70648
Sensor Range	~400-700 nm
Sensor Sensitivity	
Sensor Units	µE m-2 sec-1
Last Calibration Date	2020-12-16
Sensor Details 7	
Instrument Sensor Name	SPAR (Surface PAR)
Instrument Sensor Serial No.	20557

Field	Value
Sensor Range	~400-700 nm
Sensor Sensitivity	
Sensor Units	µE m-2 sec-1
Last Calibration Date	2020-08-24

Sensor Details 8

Instrument Sensor Name	SUNA (nitrate sensor)
Instrument Sensor Serial No.	1009
Sensor Range	
Sensor Sensitivity	0.3 µM (0.004 mgN/L)
Sensor Units	µM or mgN/L
Last Calibration Date	

Related Datasets

Field	Value
Title	Southampton Island Marine Ecosystem Project (SIMEP) Rosette CTD Data 2019
URL	https://canwin-datahub.ad.umanitoba.ca/data/en/dataset/rosette-ctd

Campaigns

Field	Value
Title	James Bay 2021

Field	Value
URL	https://canwin-datahub.ad.umanitoba.ca/data/en/campaign/james-bay-2021