

Metadata

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	19-7783
ID Type	Serial number
Model No.	SBE 19 plus V2
Instrument Type	Baseline
Description	SBE 19 plus V2 inside a protective cage, used autonomously for ocean profiles. Sensors for conductivity, temperature, pressure (CTD). Attached sensors include PAR, two ECO triplets, dissolved oxygen, and a transmissometer.
Manufacturer	Seabird Electronics
Manufacturer type	Organizational
Notes	
Sensor Details	
Sensor Details 1	
Instrument Sensor Name	Temperature
Instrument Sensor Serial No.	7783
Sensor Range	-5 to +35
Sensor Sensitivity	0.0001
Sensor Units	°C
Last Calibration Date	2020-08-03
Sensor Details 2	

Instrument Sensor Name	Pressure
Instrument Sensor Serial No.	7783
Sensor Range	0 to 350
Sensor Sensitivity	0.002% of full scale range
Sensor Units	decibars
Last Calibration Date	2020-08-03

Sensor Details 3

Instrument Sensor Name	Conductivity
Instrument Sensor Serial No.	7783
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	2020-08-03

Sensor Details 4

Instrument Sensor Name	ECO triplet
Instrument Sensor Serial No.	4663
Sensor Range	
Sensor Sensitivity	
Sensor Units	
Last Calibration Date	2020-06-29

Sensor Details 5

Instrument Sensor Name	ECO triplet
Instrument Sensor Serial No.	4664
Sensor Range	

**Sensor
Sensitivity**

Sensor Units

**Last Calibration
Date** 2020-07-08

Sensor Details 6

**Instrument
Sensor Name** Dissolved oxygen (SBE 43)

**Instrument
Sensor Serial
No.** 3512

Sensor Range 120% of surface saturation in all natural waters (fresh and salt)

**Sensor
Sensitivity** ± 2% of saturation (initial)

Sensor Units % sat, mg/L, or ml/L

**Last Calibration
Date** 2020-06-29

Sensor Details 7

**Instrument
Sensor Name** PAR

**Instrument
Sensor Serial
No.** 70647

Sensor Range ~400-700 nm

**Sensor
Sensitivity**

Sensor Units $\mu\text{E m}^{-2} \text{ sec}^{-1}$

**Last Calibration
Date** 2020-06-29

Sensor Details 8

**Instrument
Sensor Name** C-Star Transmissometer

**Instrument
Sensor Serial
No.** 1598PR

Sensor Range

**Sensor
Sensitivity**

Sensor Units % (transmission) or 1/m (attenuation)

**Last Calibration
Date** 2020-08-20

Campaigns

Title	James Bay 2021
URL	https://canwin-datahub.ad.umanitoba.ca/data/en/campaign/james-bay-2021