

# Metadata

<b>Standardized Instrument Name</b>	Sea-Bird SBE 19plus SEACAT CTD
<b>Scheme URI</b>	<a href="http://vocab.nerc.ac.uk/collection/L22/current/TOOL0047/">http://vocab.nerc.ac.uk/collection/L22/current/TOOL0047/</a>
<b>Term URI</b>	SDN:L22:TOOL0047
<b>Instrument DOI</b>	
<b>Instrument Unique ID</b>	19-7783
<b>ID Type</b>	Serial number
<b>Model No.</b>	SBE 19 plus V2
<b>Instrument Type</b>	Baseline
<b>Description</b>	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.
<b>Manufacturer</b>	Seabird Electronics
<b>Manufacturer type</b>	Organizational
<b>Notes</b>	
<b>Sensor Details</b>	
<b>Sensor Details 1</b>	
<b>Instrument Sensor Name</b>	Temperature
<b>Instrument Sensor Serial No.</b>	7783
<b>Sensor Range</b>	-5 to +35
<b>Sensor Sensitivity</b>	0.0001
<b>Sensor Units</b>	°C
<b>Last Calibration Date</b>	2020-08-03
<b>Sensor Details 2</b>	

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

### Sensor Details 3

<b>Instrument Sensor Name</b>	Conductivity
<b>Instrument Sensor Serial No.</b>	7783
<b>Sensor Range</b>	0 to 9
<b>Sensor Sensitivity</b>	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).
<b>Sensor Units</b>	S/m
<b>Last Calibration Date</b>	2020-08-03

### Sensor Details 4

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

### Sensor Details 5

<b>Instrument Sensor Name</b>	ECO triplet
<b>Instrument Sensor Serial No.</b>	4664
<b>Sensor Range</b>	

**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

<b>Title</b>	James Bay 2021
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/campaign/james-bay-2021">https://canwin-datahub.ad.umanitoba.ca/data/campaign/james-bay-2021</a>