

Measurement depth under LAT	Measurand	Device	Manufacturer	Sensor Type	Accuracy	Resolution	Units
Sea surface	Water level	Radar gauge	RADAC	WaveGuide 5 Compact	< 1 cm		cm
Sea surface	Wave parameter	Sea state buoy	Datawell	MKIII	< 0.5 % of measured data	0.01 m	m
Sea surface	Direction	Sea state buoy	Datawell	MKIII	0.4° to 2° (depending on latitude), typical 0.5°	1.4°	°
Sea surface	Temperature	Sea state buoy	Datawell	MKIII	< 0.1°C	0.05 °C	°C
2 m	ChlorophyllA	Fluorometer	WetLabs	FLNTU	0.025 µg/l Chl		
2 m	Conductivity	CTD	Sea Bird Scientific	SBE 37-SIP MicroCAT	± 0.0003 S/m (0.003 mS/cm)	0.0001 S/m	S/m
2 m	Oxygen Concentration	Optode	Aanderaa	Oxygen Sensor 4175	< 8 µM or 5 % whichever is greater	< 1 µM	%
2 m	Temperature	CTD	Sea Bird Scientific	SBE 37-SIP MicroCAT	± 0.002 °C from -5 °C to 35 °C; ± 0.01 °C from 35 °C to 45 °C	± 0.002°C	°C
2 m	Turbidity	Fluorometer	WetLabs	FLNTU	0.01 NTU		NTU
4 m	Conductivity	CTD	Sea Bird Scientific	SBE 37-SIP MicroCAT	± 0.0003 S/m (0.003 mS/cm)	0.0001 S/m	S/m
4 m	Temperature	CTD	Sea Bird Scientific	SBE 37-SIP MicroCAT	± 0.002 °C from -5 °C to 35 °C; ± 0.01 °C from 35 °C to 45 °C	± 0.002°C	°C
6 m	Conductivity	CTD	Sea Bird Scientific	SBE 37-SIP MicroCAT	± 0.0003 S/m (0.003 mS/cm)	0.0001 S/m	S/m
6 m	Temperature	CTD	Sea Bird Scientific	SBE 37-SIP MicroCAT	± 0.002 °C from -5 °C to 35 °C; ± 0.01 °C from 35 °C to 45 °C	± 0.002°C	°C
8 m	Conductivity	CTD	Sea Bird Scientific	SBE 37-SIP MicroCAT	± 0.0003 S/m (0.003 mS/cm)	0.0001 S/m	S/m
8 m	Temperature	CTD	Sea Bird Scientific	SBE 37-SIP MicroCAT	± 0.002 °C from -5 °C to 35 °C; ± 0.01 °C from 35 °C to 45 °C	± 0.002°C	°C
10 m	Conductivity	CTD	Sea Bird Scientific	SBE 37-SIP MicroCAT	± 0.0003 S/m (0.003 mS/cm)	0.0001 S/m	S/m
10 m	Temperature	CTD	Sea Bird Scientific	SBE 37-SIP MicroCAT	± 0.002 °C from -5 °C to 35 °C; ± 0.01 °C from 35 °C to 45 °C	± 0.002°C	°C
12 m	ChlorophyllA	Fluorometer	WetLabs	FLNTU	0.025 µg/l Chl		
12 m	Conductivity	CTD	Sea Bird Scientific	SBE 37-SIP MicroCAT	± 0.0003 S/m (0.003 mS/cm)	0.0001 S/m	S/m
12 m	Oxygen Concentration	Optode	Aanderaa	Oxygen Sensor 4175	< 8 µM or 5 % whichever is greater	< 1 µM	%
12 m	Temperature	CTD	Sea Bird Scientific	SBE 37-SIP MicroCAT	± 0.002 °C from -5 °C to 35 °C; ± 0.01 °C from 35 °C to 45 °C	± 0.002°C	°C
12 m	Turbidity	Fluorometer	WetLabs	FLNTU	0.01 NTU		NTU
14 m	Conductivity	CTD	Sea Bird Scientific	SBE 37-SIP MicroCAT	± 0.0003 S/m (0.003 mS/cm)	0.0001 S/m	S/m
14 m	Temperature						
16 m	Conductivity	CTD	Sea Bird Scientific	SBE 37-SIP MicroCAT	± 0.0003 S/m (0.003 mS/cm)	0.0001 S/m	S/m
16 m	Temperature	CTD	Sea Bird Scientific	SBE 37-SIP MicroCAT	± 0.002 °C from -5 °C to 35 °C; ± 0.01 °C from 35 °C to 45 °C	± 0.002°C	°C
18 m	Conductivity	CTD	Sea Bird Scientific	SBE 37-SIP MicroCAT	± 0.0003 S/m (0.003 mS/cm)	0.0001 S/m	S/m
18 m	Temperature	CTD	Sea Bird Scientific	SBE 37-SIP MicroCAT	± 0.002 °C from -5 °C to 35 °C; ± 0.01 °C from 35 °C to 45 °C	± 0.002°C	°C
20 m	ChlorophyllA	Fluorometer	WetLabs	FLNTU	0.025 µg/l Chl		
20 m	Conductivity	CTD	Sea Bird Scientific	SBE 37-SIP MicroCAT	± 0.0003 S/m (0.003 mS/cm)	0.0001 S/m	S/m
20 m	Oxygen Concentration	Optode	Aanderaa	Oxygen Sensor 4175	< 8 µM or 5 % whichever is greater	< 1 µM	%
20 m	Temperature	CTD	Sea Bird Scientific	SBE 37-SIP MicroCAT	± 0.002 °C from -5 °C to 35 °C; ± 0.01 °C from 35 °C to 45 °C	± 0.002°C	°C
20 m	Turbidity	Fluorometer	WetLabs	FLNTU	0.01 NTU		NTU
Water column	Current velocity	AWAC	Nortek	AWAC, 600 kHz (AST)	± 1% of measured value ± 0.5 cm/s		m/s
Sea surface	Sig. wave height	AWAC	Nortek	AWAC, 600 kHz (AST)	< 1% of measured value	1 cm	cm
Sea surface	Wave direction	AWAC	Nortek	AWAC, 600 kHz (AST)	2°	0.1°	°