

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 laltitude), typical 0.5°	1.4°	°
Sea surface	Temperature	Sea state buoy	Datawell	MKIII	< 0.1°C	0.05 °C	°C
Sea surface	Sig. wave height	X-Band-Radar	Ocean Waves	WaMoS II	± 10 %	0.1 m	m
Sea surface	Wave direction	X-Band-Radar	Ocean Waves	WaMoS II	± 2°	1°	°
Sea surface	Peak period	X-Band-Radar	Ocean Waves	WaMoS II	0.1 sek.	± 0.5 sek.	s
3 m	Temperature	NKE	nke Instrumentation	SP2T300-SI	0.05°C from 0 to 20 °C; 0.1 °C otherwise	11 m°C at 0 °C, 13 m°C at 10 °C, 20 m°C at 20 °C	°C
3 m	Temperature	T40	Sea & Sun Technology	T40 (pt100)	± 0.005 °C	0.0006 °C	°C
6 m	Temperature	NKE	nke Instrumentation	SP2T300-SI	0.05°C from 0 to 20 °C; 0.1°C otherwise	11 m°C at 0 °C, 13 m°C at 10 °C, 20 m°C at 20 °C	°C
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
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	Pressure	CTD	Sea Bird Scientific	SBE 37-SIP MicroCAT	± 0.1 % of full scale range (100 m)	± 0.002 % of full scale range (100 m)	m
6 m	Oxygen Concentration	Optode	Aanderaa	Oxygen Sensor 4175	< 8 µM or 5 % whichever is greater	< 1 µM	%
10 m	Temperature	NKE	nke Instrumentation	SP2T300-SI	0.05°C from 0 to 20 °C; 0.1 °C otherwise	11 m°C at 0 °C, 13 m°C at 10 °C, 20 m°C at 20 °C	°C
10 m	Temperature	T40	Sea & Sun Technology	T40 (pt100)	± 0.005 °C	0.0006 °C	°C
15 m	Temperature	NKE	nke Instrumentation	SP2T300-SI	0.05°C from 0 to 20 °C; 0.1 °C otherwise	11 m°C at 0 °C, 13 m°C at 10 °C, 20 m°C at 20 °C	°C
15 m	Temperature	T40	Sea & Sun Technology	T40 (pt100)	± 0.005 °C	0.0006 °C	°C
20 m	Temperature	NKE	nke Instrumentation	SP2T300-SI	0.05°C from 0 to 20 °C; 0.1 °C otherwise	11 m°C at 0°C, 13 m°C at 10°C, 20 m°C at 20°C	°C
20 m	Temperature	T40	Sea & Sun Technology	T40 (pt100)	± 0.005 °C	0.0006 °C	°C
25 m	Temperature	NKE	nke Instrumentation	SP2T300-SI	0.05°C from 0 to 20 °C; 0.1 °C otherwise	11 m°C at 0 °C, 13 m°C at 10 °C, 20 m°C at 20 °C	°C
25 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
25 m	Conductivity	CTD	Sea Bird Scientific	SBE 37-SIP MicroCAT	± 0.0003 S/m (0.003 mS/cm)	0.0001 S/m	S/m
25 m	Pressure	CTD	Sea Bird Scientific	SBE 37-SIP MicroCAT	± 0.1 % of full scale range (100 m)	± 0.002 % of full scale range (100 m)	m
25 m	Oxygen concentration	Optode	Aanderaa	Oxygen Sensor 4175	< 8 µM or 5 % whichever is greater	< 1 µM	%
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°	°