

Oceanographic buoy Vida

Table 1. Measurements at the Oceanographic buoy Vida

Manufacturer, instrument	Quantity	Height above/below the sea-surface (m)	Sampling period (s)	Number of measurements / time unit	Quality control
VAISALA, HMP 45A	Air temperature and humidity	5,0	10	6 / minute	YES
Gill Instruments, WindMaster Pro Ultrasonic Anemometer	Wind speed and direction	5,0	0.1	10 / s	YES
Xsens Technologies, MTI XSSENS COMPASS	3D compass	5,0	0.1	10 / s	NO
VAISALA, GMP343	CO2 in the air	4,0	120	1 / 2 minutes	NO
LICOR, LI-190SL-50	PAR	4,4	0.23	4,26 / s	NO
SeaBird, SeaBird 16plus SEACAT	Salinity and temperature	-2.5 ± 0.2	300	1 / 5 minutes	NO
Wet labs, ECO Chlorophyll Fluorometer Chlorophyll-a (FL-CHL)	Chlorophyll concentration	-2.0 ± 0.2	300	1 / 5 minutes	NO
AANDERAA DATA INSTRUMENTS, Oxygen optode 3835	Oxygen	-2.2 ± 0.2	60	1 / minute	NO
AANDERAA DATA INSTRUMENTS, Oxygen optode 4835	Oxygen	-22.5 ± 0.5	60	1 / minute	NO
Nortek, Acoustic currentmeter AWAC 600kHz with NIP	Currents	-22.5 ± 0.5	1	600 in the first 10 minutes in half-hour interval	NO
Nortek, Acoustic currentmeter AWAC 600kHz with NIP	Waves	-22.5 ± 0.5	1	1024 in next 1024 seconds in half-hour interval	NO
Nortek, Acoustic currentmeter AWAC 600kHz with NIP	Temperature	-22.5 ± 0.5	1	600 in the first 10 minutes in half-hour interval	NO