

LéXPLORE: available core dataset

	Instruments	Parameters	Sensor type	Remarks
1	Meteostation	Temperature	Campbell Scientific Ltd	5 m above water
2		wind speed		
3		wind direction		
4		rainfall		
5		Pressure		
6		Solar radiation		
7	Temperature chain 1	Temperature	RBR chain	0-20 m - 24 sensors every m
8	Temperature chain 2	Temperature	RBR chain	21-90 m - 24 sensors every 3 m
9	PP Mooring (Oct 2018 to Mars 2021)	Temperature	RBR, Vemco	0-30m, every 2.5 m
10		Dissolved oxygen	MiniDOt, RBR	2.5m, 5m, 10m, 15m, 20m, 30m, 50m, 100m
11		Photosynthetically active radiation (PAR)	Licor - RBR	0.5m, 2.5m, 5m, 10m, 20m, and 30m
12	OxyPar Mooring (since April 2021)	Dissolved oxygen	MiniDOt, RBR	0 m, 5m, 10, 15m and 30 m
13		Photosynthetically active radiation (PAR)	RBR Solo PAR	0m, 5m, 10m and 20m
14	ADCP	Surface Current velocity	RDI 600 kHz, upward looking	8 top meters
15	ADCP	Deep Current velocity	RDI 600 kHz, downward looking	below 8 m
16	CTD profiles	Pressure -> depth	Sea and Sun	0 to 105 m, manual profiles when on-site
17		Temperature		
18		Dissolved oxygen		
19		pH		
20		Chlorophyll a		
21		Turbidity		
22		Conductivity		
23	Idronaut	Pressure -> depth	OCEAN SEVEN 316Plus	0 to 60 m, every 3 hours automatically from the platform
24		Temperature		
25		Conductivity and Salinity		
26		Dissolved oxygen (% and mg/l)		
27		pH		
		Redox Potential		
28		Chlorophyll a	Chelsa Trilux Fluorimeter	
29		Photosynthetically active radiation (PAR)	LI-193SA spherical quantum sensor	

Data from Thetis can be guaranteed until mid 2021, and will be evaluated afterwards

30	Vertical profiler Thetis	Pressure -> depth	SeaBird SBE49	50 to 0.5 m, within the protected circle, every 3 h to twice a day with gaps for maintenance and problem solving
31		Conductivity		
32		Temperature		
33		Dissolved oxygen	SeaBird Optical SBE63	
34		Photosynthetically active radiation (PAR)	WetLabs ECO PARS	