

LÉXPLORE: available core dataset

Status on 16 August 2022

| | Instruments | Parameters | Sensor type | Remarks |
|----|------------------------------------|---|-------------------------------|--|
| 1 | Meteostation | Air temperature | Campbell Scientific Ltd | 5 m above water |
| 2 | | wind speed | | |
| 3 | | wind direction | | |
| 4 | | rainfall | | |
| 5 | | Air pressure | | |
| 6 | | Solar irradiance | | |
| 7 | | Relative humidity | | |
| 8 | Temperature chain 1 | Temperature | RBR chain | 0-20 m - 24 sensors every m |
| 9 | Temperature chain 2 | Temperature | RBR chain | 21-90 m - 24 sensors every 3 m |
| 10 | PP Mooring (Oct 2018 to Mars 2021) | Temperature | RBR, Vemco | 0-30m, every 2.5 m |
| 11 | | Dissolved oxygen | MiniDOt, RBR | 2.5m, 5m, 10m, 15m, 20m, 30m, 50m, 100m |
| 12 | | Photosynthetically active radiation (PAR) | Licor - RBR | 0.5m, 2.5m, 5m, 10m, 20m, and 30m |
| 13 | OxyPar Mooring (since April 2021) | Dissolved oxygen | MiniDOt, RBR | 0.5 m, 5m, 10, 15m and 30 m |
| 14 | | Photosynthetically active radiation (PAR) | RBR Solo PAR | 0m, 5m, 10m and 20m |
| 15 | ADCP | Surface Current velocity | RDI 600 kHz, upward looking | 8 top meters |
| 16 | ADCP | Deep Current velocity | RDI 600 kHz, downward looking | below 8 m |
| 17 | CTD profiles | Pressure -> depth | Sea and Sun | 0 to 105 m, manual profiles when on-site |
| 18 | | Temperature | | |
| 19 | | Dissolved oxygen | | |
| 20 | | pH | | |
| 21 | | Chlorophyll a | | |
| 22 | | Turbidity | | |
| 23 | Conductivity | | | |
| 24 | Idronaut | Pressure -> depth | OCEAN SEVEN 316Plus | 0 to 60 m, every 2 hours automatically from the platform with gaps for problem solving |
| 25 | | Temperature | | |
| 26 | | Conductivity and Salinity | | |
| 27 | | Dissolved oxygen (% and mg/l) | | |
| 28 | | pH | | |
| 29 | | Redox Potential | | |
| 30 | Chlorophyll a | Chelsa Trilux Fluorimeter | | |
| 31 | 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 |
| 32 | | Conductivity | | |
| 33 | | Temperature | | |
| 34 | | Dissolved oxygen | SeaBird Optical SBE63 | |
| 35 | | Photosynthetically active radiation (PAR) | WetLabs ECO PARS | |
| 36 | Wave buoy | Wave Height | SeaView SVS-603 Wave Sensor | installed since April 2022 |
| 37 | | Wave period | | |
| 38 | | Wave direction | | |