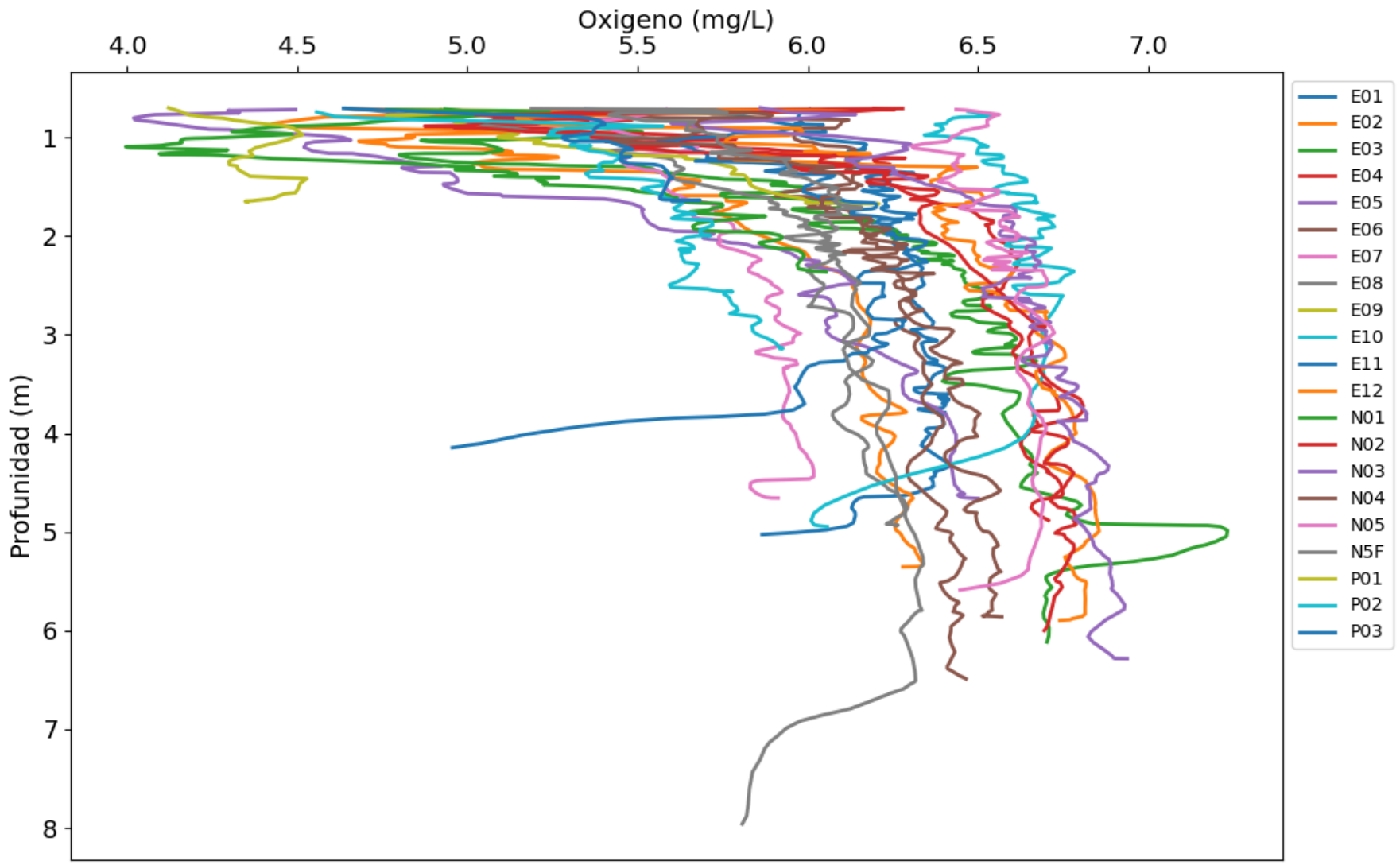
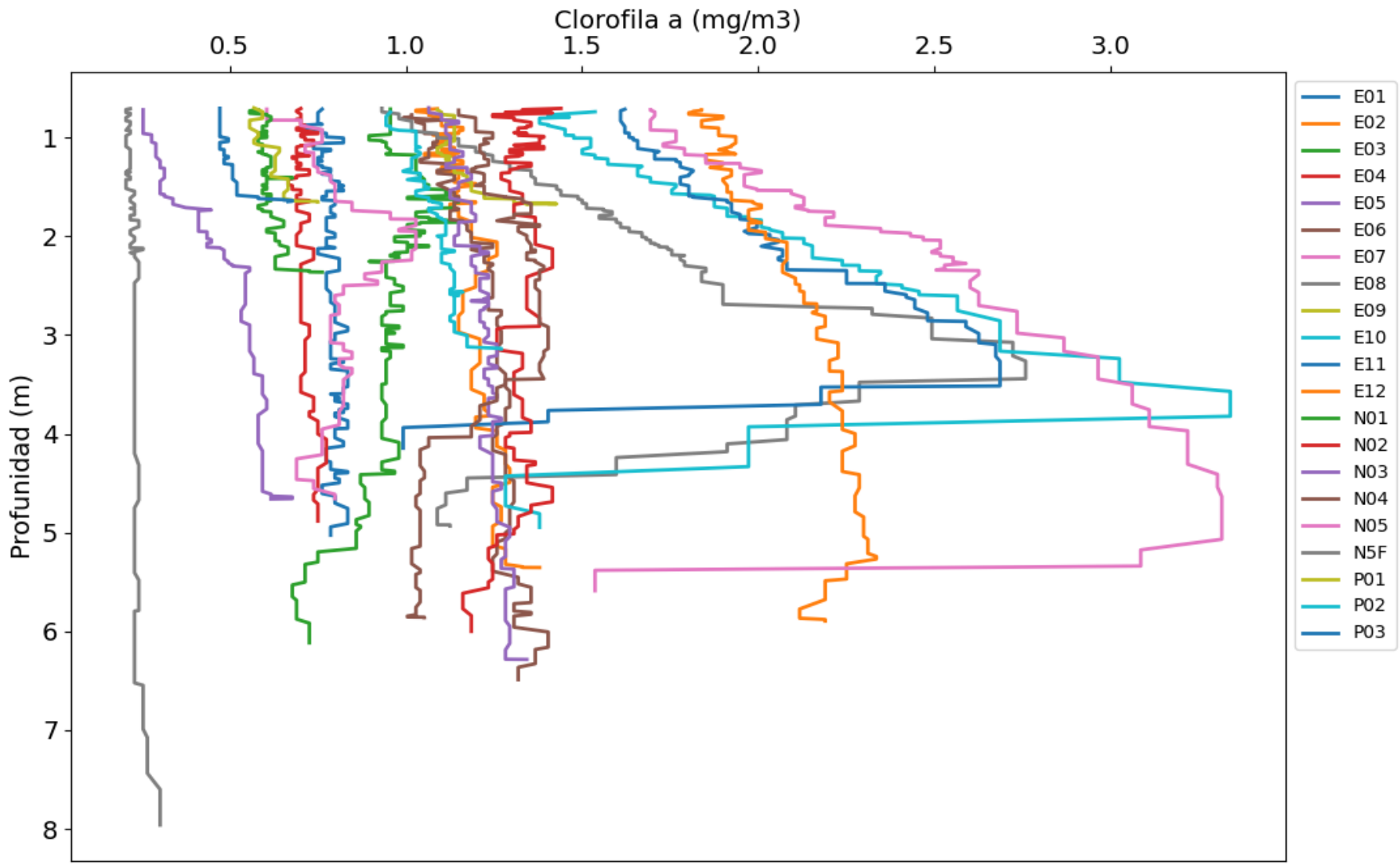
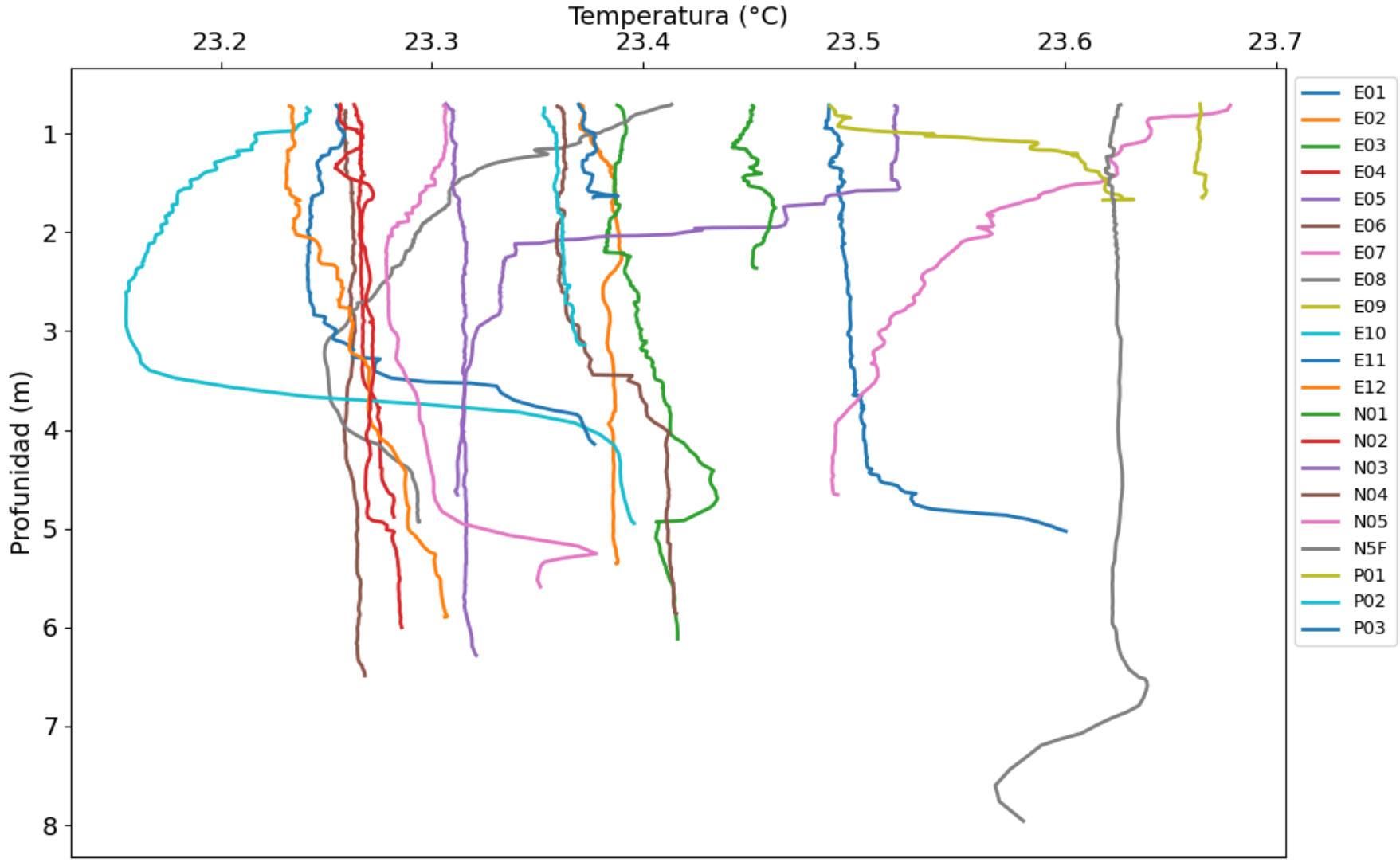
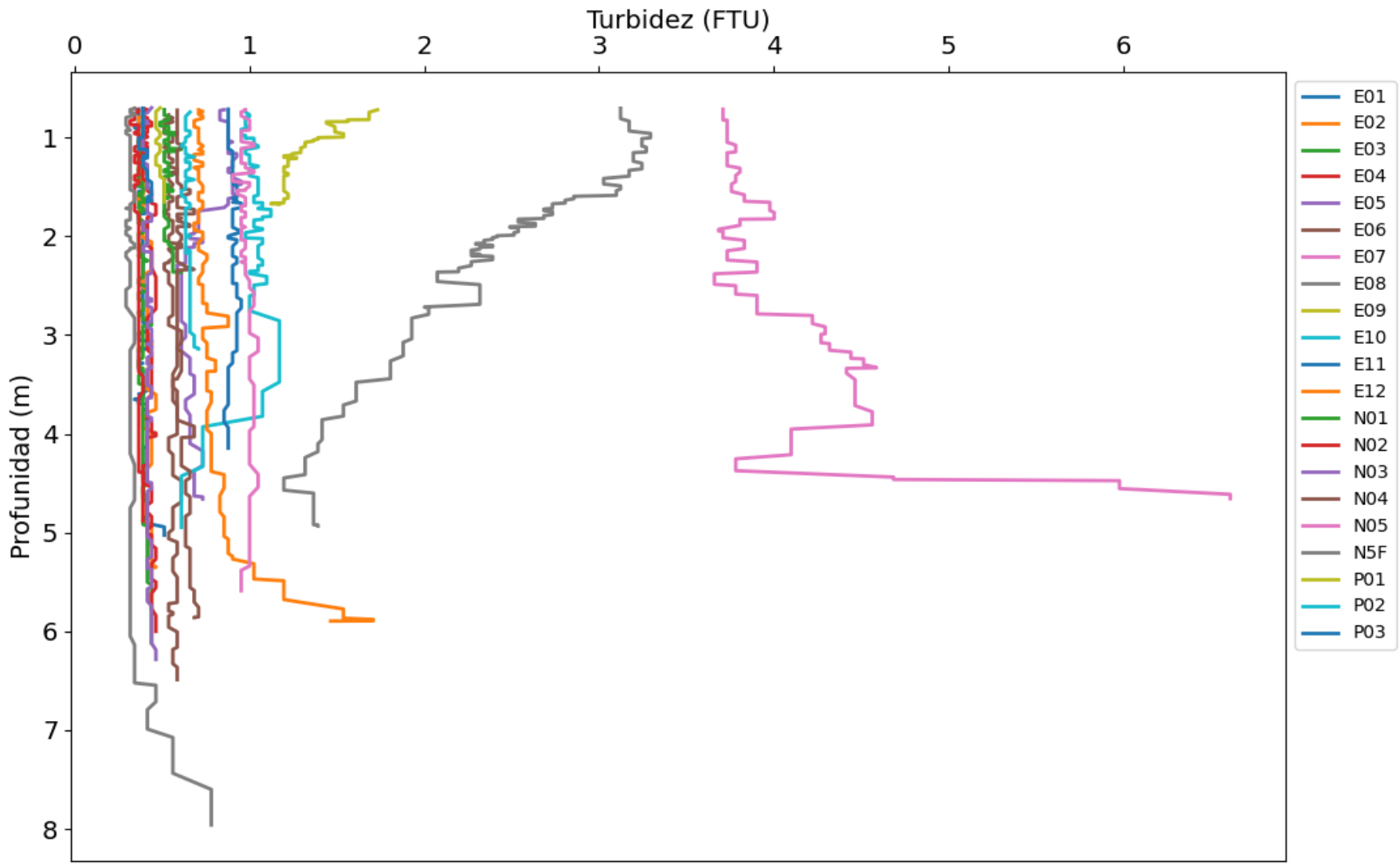
**FICHA GENERAL DE MUESTREOS PARA OXÍGENO, TURBIDEZ, CLOROFILA Y TEMPERATURA** **FECHA: 20221019**

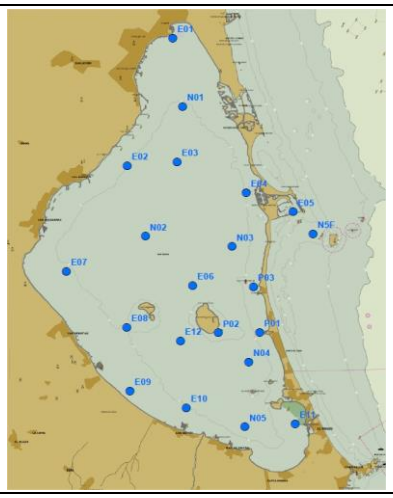


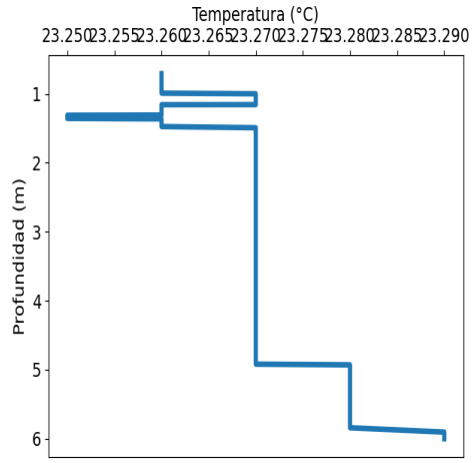

Clorofila a (mg/m3)
0.5
1.0
1.5
2.0
2.5
3.0
Profunidad (m)
1
2
3
4
5
6
7
8
E01
E02
E03
E04
E05
E06
E07
E08
E09
E10
E11
E12
N01
N02
N03
N04
N05
N5F
P01
P02
P03

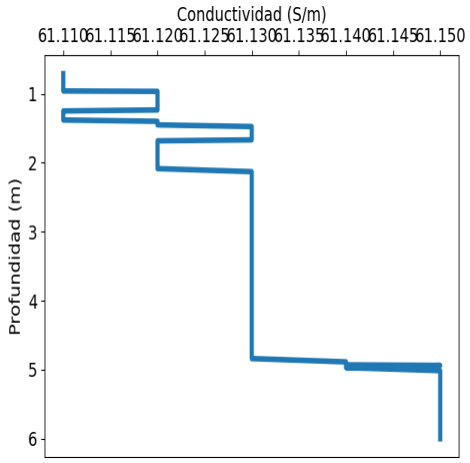

Temperatura (°C)
23.2
23.3
23.4
23.5
23.6
23.7
Profunidad (m)
1
2
3
4
5
6
7
8
E01
E02
E03
E04
E05
E06
E07
E08
E09
E10
E11
E12
N01
N02
N03
N04
N05
N5F
P01
P02
P03

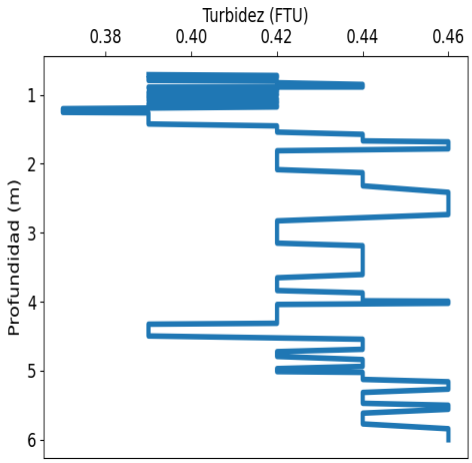

Turbidez (FTU)
0
1
2
3
4
5
6
Profunidad (m)
1
2
3
4
5
6
7
8
E01
E02
E03
E04
E05
E06
E07
E08
E09
E10
E11
E12
N01
N02
N03
N04
N05
N5F
P01
P02
P03

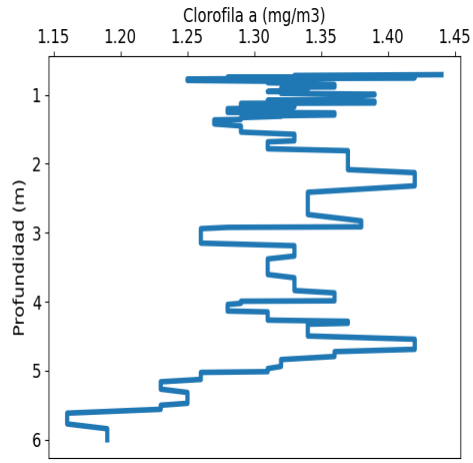
**Nombre: CTD N02 - Punto 001** **Fecha: 19/10/2022** **Hora: 08:10:11**

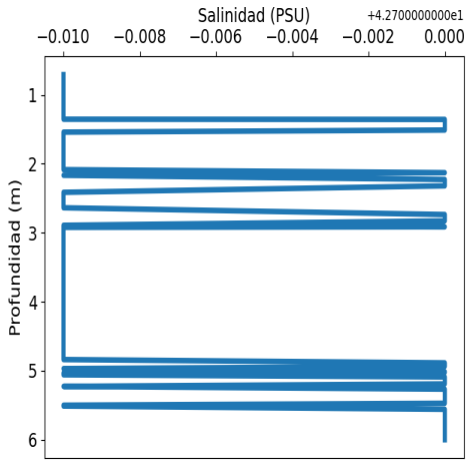


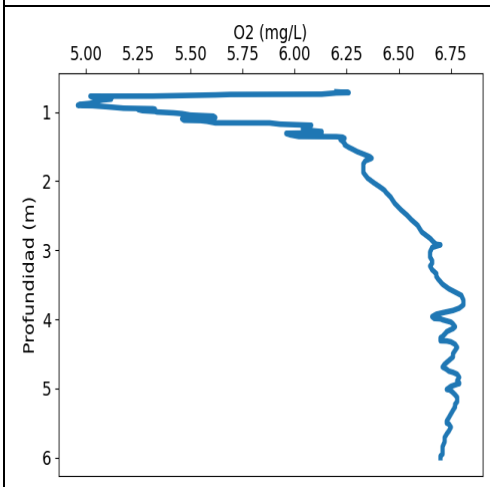



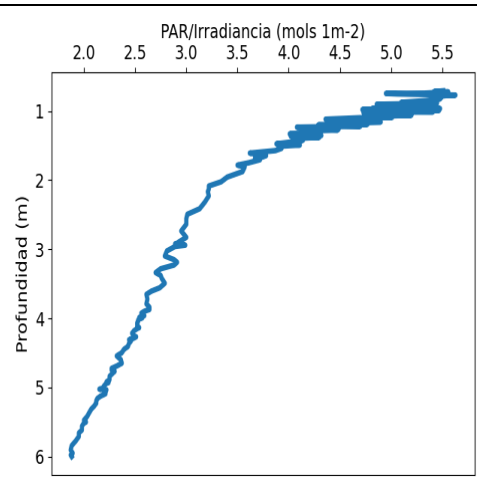



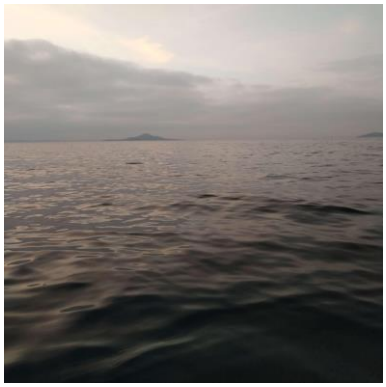



| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 23.25 | 61.11 | 0.37 | 4.96 | 1.87 | 1.16 | 42.69 |
| **PROF (metros)** | 1.31 | 0.707 | 1.2 | 0.902 | 5.904 | 5.615 | 0.707 |
| **MÁXIMO** | 23.29 | 23.29 | 0.46 | 6.81 | 5.63 | 1.44 | 42.7 |
| **PROF (metros)** | 5.904 | 4.937 | 1.681 | 3.721 | 0.769 | 0.707 | 1.356 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD N02 - Punto 001 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 23.26 | 61.11 | 0.41 | 5.32 | 5.26 | 1.33 | 42.69 |
| 1 - 2m | 23.26 | 61.12 | 0.4 | 6.03 | 4.25 | 1.32 | 42.69 |
| 2 - 3m | 23.27 | 61.13 | 0.44 | 6.56 | 3.06 | 1.36 | 42.69 |
| 3 - 4m | 23.27 | 61.13 | 0.43 | 6.71 | 2.7 | 1.32 | 42.69 |
| 4 - 5m | 23.27 | 61.13 | 0.42 | 6.75 | 2.39 | 1.34 | 42.69 |
| 5 - 6m | 23.28 | 61.15 | 0.45 | 6.74 | 2.04 | 1.22 | 42.7 |
| 6 - 7m | 23.29 | 61.15 | 0.46 | 6.7 | 1.88 | 1.19 | 42.7 |

| OBSERVACIONES GENERALES |
|---|
| |

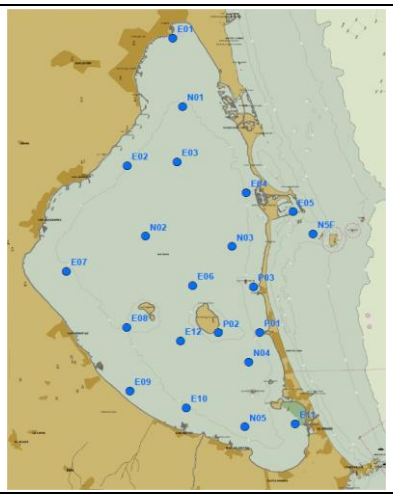
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.707 | 23.26 | 61.11 | 0.39 | 6.2 | 5.51 | 1.44 | 42.69 |
| 0.719 | 23.26 | 61.11 | 0.42 | 6.26 | 5.42 | 1.33 | 42.69 |
| 0.723 | 23.26 | 61.11 | 0.42 | 6.2 | 5.56 | 1.33 | 42.69 |
| 0.741 | 23.26 | 61.11 | 0.42 | 6.13 | 5.33 | 1.33 | 42.69 |
| 0.745 | 23.26 | 61.11 | 0.42 | 5.69 | 4.95 | 1.28 | 42.69 |
| 0.752 | 23.26 | 61.11 | 0.39 | 5.62 | 5.06 | 1.42 | 42.69 |
| 0.769 | 23.26 | 61.11 | 0.39 | 5.32 | 5.63 | 1.27 | 42.69 |
| 0.77 | 23.26 | 61.11 | 0.39 | 5.02 | 5.57 | 1.25 | 42.69 |
| 0.777 | 23.26 | 61.11 | 0.39 | 5.05 | 5.53 | 1.25 | 42.69 |
| 0.791 | 23.26 | 61.11 | 0.39 | 5.09 | 5.46 | 1.25 | 42.69 |
| 0.802 | 23.26 | 61.11 | 0.42 | 5.12 | 5.49 | 1.31 | 42.69 |
| 0.813 | 23.26 | 61.11 | 0.42 | 5.12 | 5.43 | 1.31 | 42.69 |
| 0.824 | 23.26 | 61.11 | 0.42 | 5.08 | 5.48 | 1.31 | 42.69 |
| 0.849 | 23.26 | 61.11 | 0.44 | 5.04 | 5.34 | 1.36 | 42.69 |
| 0.874 | 23.26 | 61.11 | 0.44 | 5.02 | 5.1 | 1.36 | 42.69 |
| 0.886 | 23.26 | 61.11 | 0.44 | 4.98 | 5.22 | 1.36 | 42.69 |
| 0.887 | 23.26 | 61.11 | 0.39 | 4.97 | 5.45 | 1.34 | 42.69 |
| 0.902 | 23.26 | 61.11 | 0.39 | 4.96 | 4.86 | 1.34 | 42.69 |
| 0.906 | 23.26 | 61.11 | 0.42 | 4.98 | 5.09 | 1.32 | 42.69 |
| 0.908 | 23.26 | 61.11 | 0.42 | 5.03 | 5.03 | 1.32 | 42.69 |
| 0.923 | 23.26 | 61.11 | 0.42 | 5.1 | 5.31 | 1.32 | 42.69 |
| 0.944 | 23.26 | 61.11 | 0.42 | 5.18 | 5.11 | 1.32 | 42.69 |
| 0.952 | 23.26 | 61.11 | 0.42 | 5.32 | 5.08 | 1.31 | 42.69 |
| 0.958 | 23.26 | 61.11 | 0.39 | 5.33 | 4.82 | 1.34 | 42.69 |
| 0.963 | 23.26 | 61.12 | 0.39 | 5.26 | 5.26 | 1.32 | 42.69 |
| 0.964 | 23.26 | 61.12 | 0.39 | 5.25 | 5.48 | 1.32 | 42.69 |
| 0.979 | 23.26 | 61.12 | 0.39 | 5.27 | 4.72 | 1.32 | 42.69 |
| 0.99 | 23.26 | 61.12 | 0.42 | 5.33 | 5.47 | 1.39 | 42.69 |
| 0.999 | 23.27 | 61.12 | 0.42 | 5.34 | 4.9 | 1.39 | 42.69 |
| 1.012 | 23.27 | 61.12 | 0.39 | 5.42 | 5.41 | 1.38 | 42.69 |
| 1.023 | 23.27 | 61.12 | 0.39 | 5.46 | 4.73 | 1.38 | 42.69 |
| 1.044 | 23.27 | 61.12 | 0.39 | 5.5 | 4.77 | 1.38 | 42.69 |
| 1.059 | 23.27 | 61.12 | 0.42 | 5.61 | 5.2 | 1.38 | 42.69 |
| 1.079 | 23.27 | 61.12 | 0.39 | 5.62 | 4.84 | 1.31 | 42.69 |
| 1.093 | 23.27 | 61.12 | 0.42 | 5.49 | 5.01 | 1.39 | 42.69 |

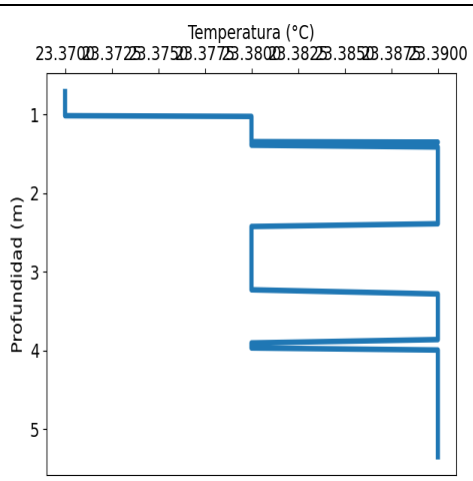
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.097 | 23.27 | 61.12 | 0.42 | 5.46 | 4.69 | 1.39 | 42.69 |
| 1.118 | 23.27 | 61.12 | 0.42 | 5.47 | 4.36 | 1.39 | 42.69 |
| 1.123 | 23.27 | 61.12 | 0.39 | 5.55 | 4.8 | 1.29 | 42.69 |
| 1.133 | 23.27 | 61.12 | 0.39 | 5.58 | 4.66 | 1.29 | 42.69 |
| 1.156 | 23.27 | 61.12 | 0.39 | 5.62 | 4.58 | 1.29 | 42.69 |
| 1.157 | 23.26 | 61.12 | 0.42 | 5.88 | 4.9 | 1.33 | 42.69 |
| 1.175 | 23.26 | 61.12 | 0.42 | 5.93 | 4.51 | 1.33 | 42.69 |
| 1.191 | 23.26 | 61.12 | 0.39 | 6.08 | 4.77 | 1.32 | 42.69 |
| 1.2 | 23.26 | 61.12 | 0.37 | 6.06 | 4.29 | 1.28 | 42.69 |
| 1.219 | 23.26 | 61.12 | 0.37 | 6.04 | 4.7 | 1.28 | 42.69 |
| 1.233 | 23.26 | 61.12 | 0.37 | 6.04 | 4.08 | 1.28 | 42.69 |
| 1.248 | 23.26 | 61.11 | 0.37 | 6.04 | 4.47 | 1.28 | 42.69 |
| 1.254 | 23.26 | 61.11 | 0.37 | 6.04 | 4.49 | 1.28 | 42.69 |
| 1.261 | 23.26 | 61.11 | 0.39 | 6.06 | 4.31 | 1.36 | 42.69 |
| 1.274 | 23.26 | 61.11 | 0.39 | 6.1 | 4.48 | 1.36 | 42.69 |
| 1.282 | 23.26 | 61.11 | 0.39 | 6.13 | 4.3 | 1.36 | 42.69 |
| 1.292 | 23.26 | 61.11 | 0.39 | 6.13 | 4.24 | 1.36 | 42.69 |
| 1.302 | 23.26 | 61.11 | 0.39 | 6.08 | 4.31 | 1.32 | 42.69 |
| 1.307 | 23.26 | 61.11 | 0.39 | 5.96 | 4.2 | 1.32 | 42.69 |
| 1.31 | 23.25 | 61.11 | 0.39 | 5.96 | 4.24 | 1.32 | 42.69 |
| 1.33 | 23.25 | 61.11 | 0.39 | 5.98 | 4.01 | 1.29 | 42.69 |
| 1.353 | 23.25 | 61.11 | 0.39 | 6.02 | 4.32 | 1.29 | 42.69 |
| 1.356 | 23.25 | 61.11 | 0.39 | 6.2 | 4.21 | 1.29 | 42.7 |
| 1.363 | 23.26 | 61.11 | 0.39 | 6.23 | 4.02 | 1.27 | 42.7 |
| 1.379 | 23.26 | 61.11 | 0.39 | 6.24 | 4.3 | 1.27 | 42.7 |
| 1.398 | 23.26 | 61.12 | 0.39 | 6.22 | 4.06 | 1.27 | 42.7 |
| 1.422 | 23.26 | 61.12 | 0.39 | 6.23 | 4.14 | 1.27 | 42.7 |
| 1.45 | 23.26 | 61.12 | 0.42 | 6.24 | 4.01 | 1.29 | 42.7 |
| 1.474 | 23.26 | 61.13 | 0.42 | 6.24 | 3.88 | 1.29 | 42.7 |
| 1.491 | 23.27 | 61.13 | 0.42 | 6.25 | 4.11 | 1.29 | 42.7 |
| 1.51 | 23.27 | 61.13 | 0.42 | 6.26 | 3.9 | 1.29 | 42.7 |
| 1.54 | 23.27 | 61.13 | 0.42 | 6.28 | 3.93 | 1.29 | 42.69 |
| 1.572 | 23.27 | 61.13 | 0.44 | 6.3 | 3.87 | 1.33 | 42.69 |
| 1.608 | 23.27 | 61.13 | 0.44 | 6.33 | 3.62 | 1.33 | 42.69 |
| 1.644 | 23.27 | 61.13 | 0.44 | 6.36 | 3.78 | 1.33 | 42.69 |
| 1.667 | 23.27 | 61.13 | 0.44 | 6.37 | 3.74 | 1.33 | 42.69 |
| 1.681 | 23.27 | 61.12 | 0.46 | 6.36 | 3.67 | 1.31 | 42.69 |
| 1.704 | 23.27 | 61.12 | 0.46 | 6.34 | 3.72 | 1.31 | 42.69 |
| 1.748 | 23.27 | 61.12 | 0.46 | 6.33 | 3.61 | 1.31 | 42.69 |
| 1.782 | 23.27 | 61.12 | 0.46 | 6.33 | 3.5 | 1.31 | 42.69 |
| 1.81 | 23.27 | 61.12 | 0.42 | 6.33 | 3.57 | 1.37 | 42.69 |
| 1.875 | 23.27 | 61.12 | 0.42 | 6.33 | 3.55 | 1.37 | 42.69 |
| 1.955 | 23.27 | 61.12 | 0.42 | 6.35 | 3.4 | 1.37 | 42.69 |
| 2.023 | 23.27 | 61.12 | 0.42 | 6.38 | 3.34 | 1.37 | 42.69 |
| 2.084 | 23.27 | 61.12 | 0.42 | 6.41 | 3.22 | 1.37 | 42.69 |
| 2.128 | 23.27 | 61.13 | 0.44 | 6.43 | 3.22 | 1.42 | 42.7 |
| 2.166 | 23.27 | 61.13 | 0.44 | 6.44 | 3.21 | 1.42 | 42.69 |
| 2.227 | 23.27 | 61.13 | 0.44 | 6.46 | 3.22 | 1.42 | 42.7 |
| 2.319 | 23.27 | 61.13 | 0.44 | 6.48 | 3.18 | 1.42 | 42.7 |
| 2.413 | 23.27 | 61.13 | 0.46 | 6.51 | 3.13 | 1.34 | 42.69 |
| 2.493 | 23.27 | 61.13 | 0.46 | 6.54 | 3.01 | 1.34 | 42.69 |
| 2.557 | 23.27 | 61.13 | 0.46 | 6.56 | 3.0 | 1.34 | 42.69 |
| 2.637 | 23.27 | 61.13 | 0.46 | 6.59 | 3.0 | 1.34 | 42.69 |
| 2.735 | 23.27 | 61.13 | 0.46 | 6.61 | 2.95 | 1.34 | 42.7 |
| 2.827 | 23.27 | 61.13 | 0.42 | 6.65 | 3.0 | 1.38 | 42.7 |
| 2.891 | 23.27 | 61.13 | 0.42 | 6.67 | 2.93 | 1.38 | 42.69 |
| 2.913 | 23.27 | 61.13 | 0.42 | 6.68 | 2.91 | 1.38 | 42.7 |
| 2.921 | 23.27 | 61.13 | 0.42 | 6.7 | 2.89 | 1.28 | 42.69 |

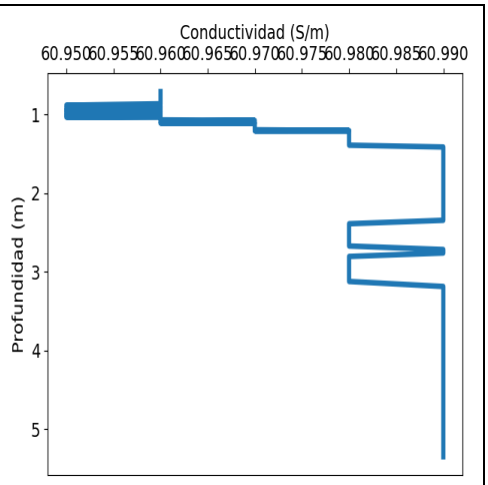
| 2.94 | 23.27 | 61.13 | 0.42 | 6.68 | 2.99 | 1.26 | 42.69 |
|---|---|---|---|---|---|---|---|
| 2.959 | 23.27 | 61.13 | 0.42 | 6.66 | 2.89 | 1.26 | 42.69 |
| 3.024 | 23.27 | 61.13 | 0.42 | 6.65 | 2.81 | 1.26 | 42.69 |
| 3.097 | 23.27 | 61.13 | 0.42 | 6.65 | 2.79 | 1.26 | 42.69 |
| 3.15 | 23.27 | 61.13 | 0.42 | 6.66 | 2.88 | 1.26 | 42.69 |
| 3.187 | 23.27 | 61.13 | 0.44 | 6.66 | 2.91 | 1.33 | 42.69 |
| 3.228 | 23.27 | 61.13 | 0.44 | 6.65 | 2.88 | 1.33 | 42.69 |
| 3.282 | 23.27 | 61.13 | 0.44 | 6.66 | 2.75 | 1.33 | 42.69 |
| 3.337 | 23.27 | 61.13 | 0.44 | 6.68 | 2.7 | 1.33 | 42.69 |
| 3.379 | 23.27 | 61.13 | 0.44 | 6.68 | 2.75 | 1.31 | 42.69 |
| 3.421 | 23.27 | 61.13 | 0.44 | 6.69 | 2.76 | 1.31 | 42.69 |
| 3.491 | 23.27 | 61.13 | 0.44 | 6.71 | 2.79 | 1.31 | 42.69 |
| 3.557 | 23.27 | 61.13 | 0.44 | 6.74 | 2.74 | 1.31 | 42.69 |
| 3.605 | 23.27 | 61.13 | 0.44 | 6.77 | 2.66 | 1.31 | 42.69 |
| 3.652 | 23.27 | 61.13 | 0.42 | 6.8 | 2.61 | 1.33 | 42.69 |
| 3.721 | 23.27 | 61.13 | 0.42 | 6.81 | 2.62 | 1.33 | 42.69 |
| 3.79 | 23.27 | 61.13 | 0.42 | 6.81 | 2.61 | 1.33 | 42.69 |
| 3.837 | 23.27 | 61.13 | 0.42 | 6.79 | 2.64 | 1.33 | 42.69 |
| 3.871 | 23.27 | 61.13 | 0.44 | 6.76 | 2.64 | 1.36 | 42.69 |
| 3.897 | 23.27 | 61.13 | 0.44 | 6.72 | 2.59 | 1.36 | 42.69 |
| 3.925 | 23.27 | 61.13 | 0.44 | 6.68 | 2.56 | 1.36 | 42.69 |
| 3.96 | 23.27 | 61.13 | 0.44 | 6.66 | 2.59 | 1.36 | 42.69 |
| 3.986 | 23.27 | 61.13 | 0.44 | 6.67 | 2.54 | 1.36 | 42.69 |
| 3.992 | 23.27 | 61.13 | 0.46 | 6.7 | 2.57 | 1.29 | 42.69 |
| 4.005 | 23.27 | 61.13 | 0.46 | 6.71 | 2.54 | 1.29 | 42.69 |
| 4.022 | 23.27 | 61.13 | 0.46 | 6.73 | 2.53 | 1.29 | 42.69 |
| 4.039 | 23.27 | 61.13 | 0.42 | 6.75 | 2.53 | 1.28 | 42.69 |
| 4.066 | 23.27 | 61.13 | 0.42 | 6.76 | 2.52 | 1.28 | 42.69 |
| 4.106 | 23.27 | 61.13 | 0.42 | 6.77 | 2.52 | 1.28 | 42.69 |
| 4.134 | 23.27 | 61.13 | 0.42 | 6.76 | 2.54 | 1.28 | 42.69 |
| 4.147 | 23.27 | 61.13 | 0.42 | 6.75 | 2.52 | 1.31 | 42.69 |
| 4.178 | 23.27 | 61.13 | 0.42 | 6.73 | 2.49 | 1.31 | 42.69 |
| 4.214 | 23.27 | 61.13 | 0.42 | 6.72 | 2.47 | 1.31 | 42.69 |
| 4.246 | 23.27 | 61.13 | 0.42 | 6.71 | 2.48 | 1.31 | 42.69 |
| 4.266 | 23.27 | 61.13 | 0.42 | 6.7 | 2.51 | 1.31 | 42.69 |
| 4.283 | 23.27 | 61.13 | 0.42 | 6.7 | 2.49 | 1.37 | 42.69 |
| 4.309 | 23.27 | 61.13 | 0.42 | 6.7 | 2.44 | 1.37 | 42.69 |
| 4.312 | 23.27 | 61.13 | 0.42 | 6.73 | 2.46 | 1.37 | 42.69 |
| 4.325 | 23.27 | 61.13 | 0.39 | 6.75 | 2.46 | 1.34 | 42.69 |
| 4.36 | 23.27 | 61.13 | 0.39 | 6.77 | 2.44 | 1.34 | 42.69 |
| 4.405 | 23.27 | 61.13 | 0.39 | 6.78 | 2.43 | 1.34 | 42.69 |
| 4.449 | 23.27 | 61.13 | 0.39 | 6.77 | 2.39 | 1.34 | 42.69 |
| 4.496 | 23.27 | 61.13 | 0.39 | 6.76 | 2.37 | 1.34 | 42.69 |
| 4.543 | 23.27 | 61.13 | 0.44 | 6.76 | 2.32 | 1.42 | 42.69 |
| 4.596 | 23.27 | 61.13 | 0.44 | 6.74 | 2.36 | 1.42 | 42.69 |
| 4.648 | 23.27 | 61.13 | 0.44 | 6.72 | 2.37 | 1.42 | 42.69 |
| 4.689 | 23.27 | 61.13 | 0.44 | 6.71 | 2.32 | 1.42 | 42.69 |
| 4.723 | 23.27 | 61.13 | 0.42 | 6.73 | 2.27 | 1.36 | 42.69 |
| 4.748 | 23.27 | 61.13 | 0.42 | 6.74 | 2.27 | 1.36 | 42.69 |
| 4.766 | 23.27 | 61.13 | 0.42 | 6.76 | 2.3 | 1.36 | 42.69 |
| 4.793 | 23.27 | 61.13 | 0.42 | 6.78 | 2.28 | 1.36 | 42.69 |
| 4.838 | 23.27 | 61.13 | 0.44 | 6.79 | 2.25 | 1.32 | 42.69 |
| 4.886 | 23.27 | 61.14 | 0.44 | 6.78 | 2.25 | 1.32 | 42.7 |
| 4.919 | 23.27 | 61.14 | 0.44 | 6.79 | 2.22 | 1.32 | 42.7 |
| 4.929 | 23.28 | 61.14 | 0.44 | 6.79 | 2.24 | 1.32 | 42.7 |
| 4.937 | 23.28 | 61.15 | 0.44 | 6.78 | 2.22 | 1.32 | 42.7 |
| 4.969 | 23.28 | 61.14 | 0.42 | 6.75 | 2.2 | 1.31 | 42.69 |
| 5.013 | 23.28 | 61.15 | 0.42 | 6.73 | 2.18 | 1.31 | 42.7 |

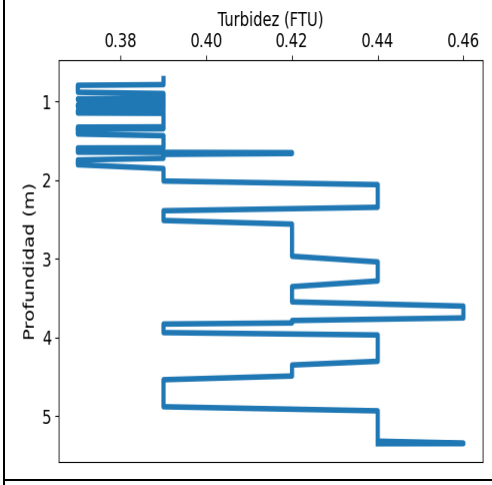
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5.024 | 23.28 | 61.15 | 0.44 | 6.75 | 2.15 | 1.26 | 42.7 |
| 5.033 | 23.28 | 61.15 | 0.44 | 6.75 | 2.22 | 1.26 | 42.69 |
| 5.059 | 23.28 | 61.15 | 0.44 | 6.76 | 2.21 | 1.26 | 42.69 |
| 5.09 | 23.28 | 61.15 | 0.44 | 6.77 | 2.21 | 1.26 | 42.7 |
| 5.126 | 23.28 | 61.15 | 0.44 | 6.78 | 2.16 | 1.26 | 42.7 |
| 5.16 | 23.28 | 61.15 | 0.46 | 6.78 | 2.13 | 1.23 | 42.7 |
| 5.191 | 23.28 | 61.15 | 0.46 | 6.78 | 2.12 | 1.23 | 42.7 |
| 5.227 | 23.28 | 61.15 | 0.46 | 6.77 | 2.12 | 1.23 | 42.69 |
| 5.267 | 23.28 | 61.15 | 0.46 | 6.77 | 2.1 | 1.23 | 42.7 |
| 5.315 | 23.28 | 61.15 | 0.44 | 6.76 | 2.07 | 1.25 | 42.7 |
| 5.369 | 23.28 | 61.15 | 0.44 | 6.75 | 2.05 | 1.25 | 42.7 |
| 5.421 | 23.28 | 61.15 | 0.44 | 6.74 | 2.03 | 1.25 | 42.7 |
| 5.472 | 23.28 | 61.15 | 0.44 | 6.73 | 2.0 | 1.25 | 42.7 |
| 5.5 | 23.28 | 61.15 | 0.46 | 6.73 | 2.02 | 1.23 | 42.69 |
| 5.512 | 23.28 | 61.15 | 0.46 | 6.74 | 2.0 | 1.23 | 42.69 |
| 5.559 | 23.28 | 61.15 | 0.46 | 6.75 | 1.98 | 1.23 | 42.7 |
| 5.615 | 23.28 | 61.15 | 0.44 | 6.74 | 1.98 | 1.16 | 42.7 |
| 5.657 | 23.28 | 61.15 | 0.44 | 6.73 | 1.95 | 1.16 | 42.7 |
| 5.708 | 23.28 | 61.15 | 0.44 | 6.72 | 1.95 | 1.16 | 42.7 |
| 5.771 | 23.28 | 61.15 | 0.44 | 6.72 | 1.92 | 1.16 | 42.7 |
| 5.841 | 23.28 | 61.15 | 0.46 | 6.71 | 1.88 | 1.19 | 42.7 |
| 5.904 | 23.29 | 61.15 | 0.46 | 6.71 | 1.87 | 1.19 | 42.7 |
| 5.949 | 23.29 | 61.15 | 0.46 | 6.71 | 1.89 | 1.19 | 42.7 |
| 5.976 | 23.29 | 61.15 | 0.46 | 6.7 | 1.87 | 1.19 | 42.7 |
| 6.0 | 23.29 | 61.15 | 0.46 | 6.7 | 1.88 | 1.19 | 42.7 |

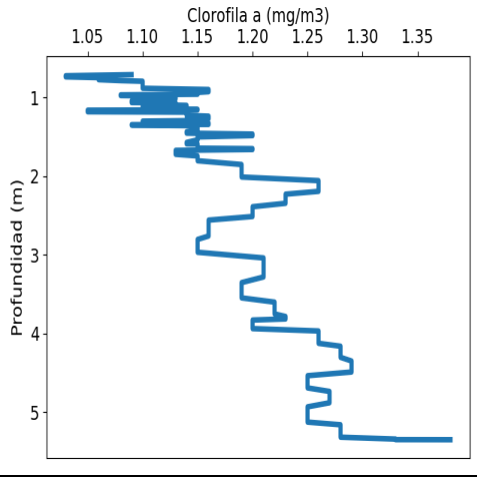
**Nombre: CTD E02 - Punto 002** **Fecha: 19/10/2022** **Hora: 08:10:10**

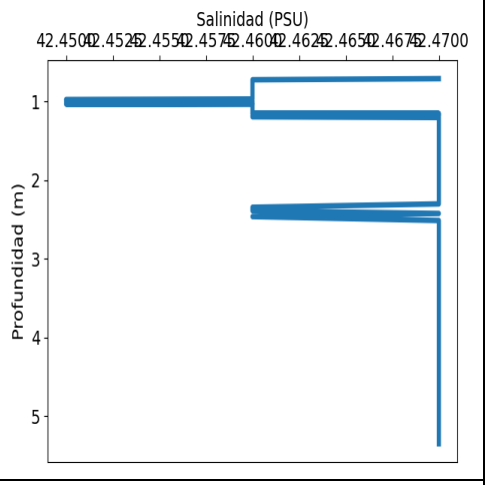


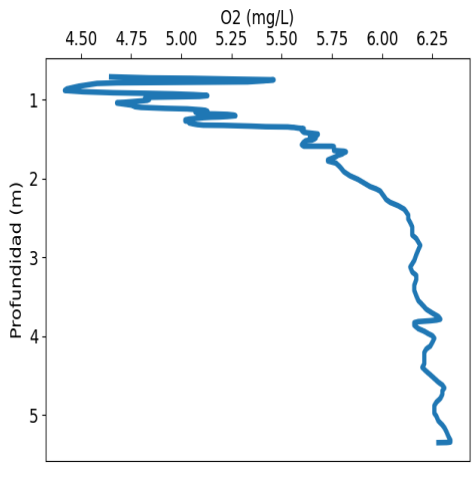



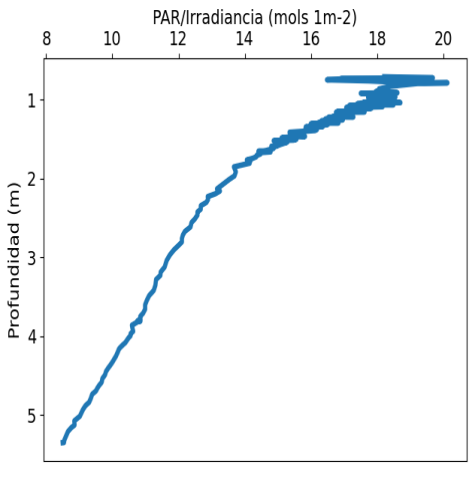



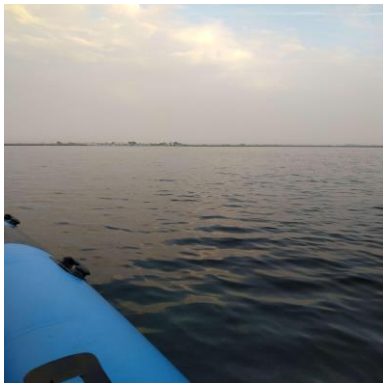



| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 23.37 | 60.95 | 0.37 | 4.42 | 8.5 | 1.03 | 42.45 |
| **PROF (metros)** | 0.711 | 0.884 | 0.795 | 0.884 | 5.354 | 0.725 | 0.977 |
| **MÁXIMO** | 23.39 | 23.39 | 0.46 | 6.34 | 20.12 | 1.38 | 42.47 |
| **PROF (metros)** | 1.352 | 1.415 | 3.604 | 5.322 | 0.787 | 5.354 | 0.711 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E02 - Punto 002 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 23.37 | 60.96 | 0.38 | 4.88 | 18.18 | 1.1 | 42.46 |
| 1 - 2m | 23.38 | 60.98 | 0.38 | 5.3 | 16.19 | 1.14 | 42.47 |
| 2 - 3m | 23.39 | 60.99 | 0.42 | 6.08 | 12.61 | 1.2 | 42.47 |
| 3 - 4m | 23.39 | 60.99 | 0.43 | 6.2 | 10.98 | 1.22 | 42.47 |
| 4 - 5m | 23.39 | 60.99 | 0.41 | 6.25 | 9.75 | 1.27 | 42.47 |
| 5 - 6m | 23.39 | 60.99 | 0.45 | 6.31 | 8.66 | 1.3 | 42.47 |

| OBSERVACIONES GENERALES |
|---|
| |

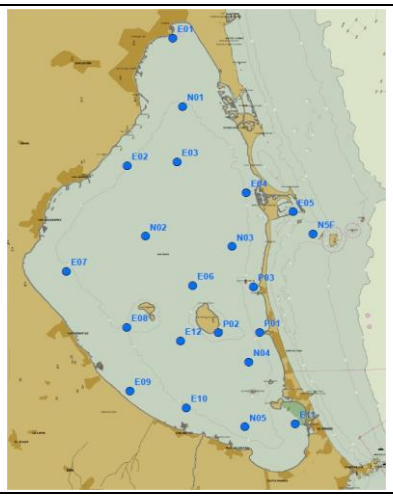
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.711 | 23.37 | 60.96 | 0.39 | 4.65 | 18.21 | 1.09 | 42.47 |
| 0.725 | 23.37 | 60.96 | 0.39 | 4.84 | 19.68 | 1.03 | 42.46 |
| 0.73 | 23.37 | 60.96 | 0.39 | 5.05 | 16.92 | 1.03 | 42.46 |
| 0.739 | 23.37 | 60.96 | 0.39 | 5.23 | 16.88 | 1.03 | 42.46 |
| 0.749 | 23.37 | 60.96 | 0.39 | 5.46 | 16.48 | 1.06 | 42.46 |
| 0.762 | 23.37 | 60.96 | 0.39 | 5.41 | 17.74 | 1.06 | 42.46 |
| 0.775 | 23.37 | 60.96 | 0.39 | 5.33 | 18.39 | 1.06 | 42.46 |
| 0.786 | 23.37 | 60.96 | 0.39 | 4.78 | 19.43 | 1.08 | 42.46 |
| 0.787 | 23.37 | 60.96 | 0.39 | 4.68 | 20.12 | 1.08 | 42.46 |
| 0.795 | 23.37 | 60.96 | 0.37 | 4.58 | 19.21 | 1.1 | 42.46 |
| 0.83 | 23.37 | 60.96 | 0.37 | 4.49 | 18.42 | 1.1 | 42.46 |
| 0.865 | 23.37 | 60.96 | 0.37 | 4.43 | 18.05 | 1.1 | 42.46 |
| 0.884 | 23.37 | 60.95 | 0.37 | 4.42 | 18.12 | 1.1 | 42.46 |
| 0.9 | 23.37 | 60.96 | 0.39 | 4.51 | 17.95 | 1.16 | 42.46 |
| 0.913 | 23.37 | 60.96 | 0.39 | 4.66 | 18.61 | 1.16 | 42.46 |
| 0.92 | 23.37 | 60.95 | 0.39 | 4.82 | 17.5 | 1.16 | 42.46 |
| 0.928 | 23.37 | 60.96 | 0.39 | 4.96 | 18.15 | 1.16 | 42.46 |
| 0.937 | 23.37 | 60.96 | 0.39 | 5.06 | 18.05 | 1.15 | 42.46 |
| 0.946 | 23.37 | 60.95 | 0.39 | 5.12 | 18.32 | 1.15 | 42.46 |
| 0.95 | 23.37 | 60.95 | 0.39 | 5.13 | 17.79 | 1.15 | 42.46 |
| 0.96 | 23.37 | 60.96 | 0.39 | 5.09 | 17.92 | 1.15 | 42.46 |
| 0.968 | 23.37 | 60.96 | 0.37 | 4.9 | 18.55 | 1.08 | 42.46 |
| 0.97 | 23.37 | 60.96 | 0.37 | 4.85 | 17.72 | 1.08 | 42.46 |
| 0.977 | 23.37 | 60.95 | 0.37 | 4.82 | 18.3 | 1.08 | 42.45 |
| 0.986 | 23.37 | 60.95 | 0.39 | 4.82 | 18.18 | 1.13 | 42.45 |
| 0.993 | 23.37 | 60.96 | 0.39 | 4.84 | 18.33 | 1.13 | 42.46 |
| 0.998 | 23.37 | 60.96 | 0.39 | 4.84 | 17.82 | 1.13 | 42.46 |
| 1.009 | 23.37 | 60.95 | 0.39 | 4.83 | 17.9 | 1.13 | 42.45 |
| 1.017 | 23.37 | 60.96 | 0.39 | 4.8 | 18.01 | 1.13 | 42.46 |
| 1.026 | 23.38 | 60.96 | 0.39 | 4.76 | 17.79 | 1.11 | 42.46 |
| 1.034 | 23.38 | 60.95 | 0.39 | 4.72 | 17.59 | 1.11 | 42.45 |
| 1.037 | 23.38 | 60.96 | 0.39 | 4.7 | 17.99 | 1.11 | 42.46 |
| 1.039 | 23.38 | 60.96 | 0.39 | 4.68 | 18.7 | 1.11 | 42.46 |
| 1.044 | 23.38 | 60.96 | 0.37 | 4.68 | 17.53 | 1.09 | 42.46 |
| 1.055 | 23.38 | 60.96 | 0.37 | 4.71 | 17.39 | 1.09 | 42.46 |
| 1.062 | 23.38 | 60.96 | 0.37 | 4.73 | 17.58 | 1.09 | 42.46 |

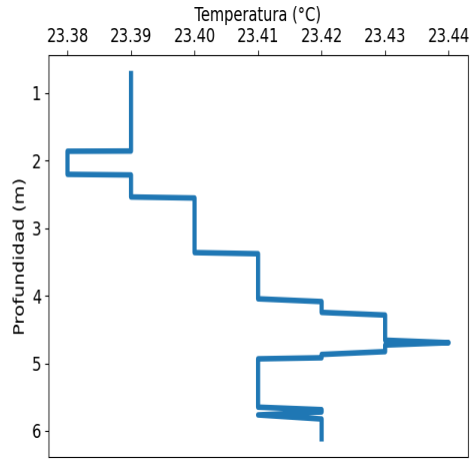
| 1.066 | 23.38 | 60.96 | 0.37 | 4.74 | 18.49 | 1.09 | 42.46 |
|---|---|---|---|---|---|---|---|
| 1.069 | 23.38 | 60.96 | 0.39 | 4.75 | 17.53 | 1.13 | 42.46 |
| 1.07 | 23.38 | 60.96 | 0.39 | 4.76 | 17.81 | 1.13 | 42.46 |
| 1.077 | 23.38 | 60.97 | 0.39 | 4.76 | 17.15 | 1.13 | 42.46 |
| 1.09 | 23.38 | 60.96 | 0.39 | 4.77 | 18.16 | 1.13 | 42.46 |
| 1.099 | 23.38 | 60.96 | 0.39 | 4.8 | 17.35 | 1.13 | 42.46 |
| 1.102 | 23.38 | 60.97 | 0.39 | 4.83 | 17.06 | 1.14 | 42.46 |
| 1.106 | 23.38 | 60.97 | 0.39 | 4.86 | 17.35 | 1.14 | 42.46 |
| 1.111 | 23.38 | 60.96 | 0.39 | 4.92 | 17.82 | 1.14 | 42.46 |
| 1.115 | 23.38 | 60.97 | 0.39 | 4.98 | 17.25 | 1.14 | 42.46 |
| 1.118 | 23.38 | 60.97 | 0.37 | 5.03 | 17.16 | 1.1 | 42.46 |
| 1.123 | 23.38 | 60.97 | 0.37 | 5.06 | 17.28 | 1.1 | 42.46 |
| 1.131 | 23.38 | 60.97 | 0.37 | 5.1 | 17.27 | 1.1 | 42.46 |
| 1.137 | 23.38 | 60.97 | 0.37 | 5.12 | 17.35 | 1.1 | 42.46 |
| 1.148 | 23.38 | 60.97 | 0.37 | 5.13 | 17.09 | 1.1 | 42.46 |
| 1.152 | 23.38 | 60.97 | 0.39 | 5.13 | 16.91 | 1.15 | 42.46 |
| 1.154 | 23.38 | 60.97 | 0.39 | 5.11 | 16.78 | 1.15 | 42.47 |
| 1.156 | 23.38 | 60.97 | 0.39 | 5.09 | 17.62 | 1.15 | 42.46 |
| 1.159 | 23.38 | 60.97 | 0.39 | 5.07 | 17.07 | 1.15 | 42.46 |
| 1.163 | 23.38 | 60.97 | 0.39 | 5.08 | 16.75 | 1.05 | 42.47 |
| 1.17 | 23.38 | 60.97 | 0.39 | 5.09 | 16.92 | 1.05 | 42.47 |
| 1.18 | 23.38 | 60.97 | 0.39 | 5.1 | 17.09 | 1.05 | 42.46 |
| 1.183 | 23.38 | 60.97 | 0.39 | 5.17 | 16.93 | 1.05 | 42.47 |
| 1.188 | 23.38 | 60.97 | 0.39 | 5.23 | 16.92 | 1.14 | 42.46 |
| 1.196 | 23.38 | 60.97 | 0.39 | 5.26 | 17.02 | 1.14 | 42.46 |
| 1.205 | 23.38 | 60.98 | 0.39 | 5.27 | 16.87 | 1.14 | 42.47 |
| 1.21 | 23.38 | 60.97 | 0.39 | 5.25 | 16.84 | 1.14 | 42.47 |
| 1.214 | 23.38 | 60.98 | 0.39 | 5.23 | 16.66 | 1.14 | 42.47 |
| 1.22 | 23.38 | 60.98 | 0.39 | 5.19 | 17.28 | 1.14 | 42.47 |
| 1.223 | 23.38 | 60.98 | 0.39 | 5.15 | 16.53 | 1.14 | 42.47 |
| 1.229 | 23.38 | 60.98 | 0.39 | 5.11 | 16.66 | 1.14 | 42.47 |
| 1.239 | 23.38 | 60.98 | 0.39 | 5.07 | 16.74 | 1.16 | 42.47 |
| 1.247 | 23.38 | 60.98 | 0.39 | 5.04 | 16.43 | 1.16 | 42.47 |
| 1.257 | 23.38 | 60.98 | 0.39 | 5.02 | 16.96 | 1.16 | 42.47 |
| 1.266 | 23.38 | 60.98 | 0.39 | 5.02 | 16.63 | 1.16 | 42.47 |
| 1.271 | 23.38 | 60.98 | 0.39 | 5.02 | 16.31 | 1.16 | 42.47 |
| 1.277 | 23.38 | 60.98 | 0.39 | 5.04 | 16.45 | 1.14 | 42.47 |
| 1.281 | 23.38 | 60.98 | 0.39 | 5.04 | 16.71 | 1.14 | 42.47 |
| 1.29 | 23.38 | 60.98 | 0.39 | 5.04 | 16.23 | 1.14 | 42.47 |
| 1.296 | 23.38 | 60.98 | 0.39 | 5.04 | 16.83 | 1.14 | 42.47 |
| 1.302 | 23.38 | 60.98 | 0.39 | 5.05 | 16.15 | 1.1 | 42.47 |
| 1.308 | 23.38 | 60.98 | 0.39 | 5.06 | 15.99 | 1.1 | 42.47 |
| 1.317 | 23.38 | 60.98 | 0.39 | 5.08 | 16.5 | 1.1 | 42.47 |
| 1.324 | 23.38 | 60.98 | 0.39 | 5.11 | 16.36 | 1.1 | 42.47 |
| 1.327 | 23.38 | 60.98 | 0.37 | 5.21 | 16.23 | 1.16 | 42.47 |
| 1.331 | 23.38 | 60.98 | 0.37 | 5.27 | 16.15 | 1.16 | 42.47 |
| 1.337 | 23.38 | 60.98 | 0.37 | 5.35 | 16.1 | 1.16 | 42.47 |
| 1.344 | 23.38 | 60.98 | 0.37 | 5.42 | 16.35 | 1.16 | 42.47 |
| 1.347 | 23.38 | 60.98 | 0.39 | 5.53 | 15.84 | 1.09 | 42.47 |
| 1.352 | 23.39 | 60.98 | 0.37 | 5.55 | 16.04 | 1.09 | 42.47 |
| 1.353 | 23.39 | 60.98 | 0.37 | 5.56 | 16.15 | 1.09 | 42.47 |
| 1.361 | 23.38 | 60.98 | 0.37 | 5.58 | 16.08 | 1.15 | 42.47 |
| 1.369 | 23.38 | 60.98 | 0.37 | 5.61 | 15.83 | 1.15 | 42.47 |
| 1.379 | 23.38 | 60.98 | 0.37 | 5.6 | 16.18 | 1.15 | 42.47 |
| 1.392 | 23.38 | 60.98 | 0.37 | 5.6 | 16.12 | 1.15 | 42.47 |
| 1.415 | 23.39 | 60.99 | 0.37 | 5.61 | 15.35 | 1.15 | 42.47 |
| 1.437 | 23.39 | 60.99 | 0.39 | 5.68 | 15.54 | 1.14 | 42.47 |
| 1.443 | 23.39 | 60.99 | 0.39 | 5.68 | 15.55 | 1.14 | 42.47 |

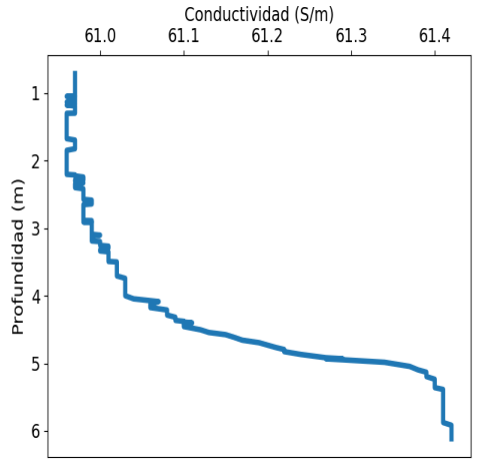
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.455 | 23.39 | 60.99 | 0.39 | 5.67 | 15.48 | 1.14 | 42.47 |
| 1.467 | 23.39 | 60.99 | 0.39 | 5.65 | 15.82 | 1.2 | 42.47 |
| 1.471 | 23.39 | 60.99 | 0.39 | 5.64 | 15.33 | 1.2 | 42.47 |
| 1.475 | 23.39 | 60.99 | 0.39 | 5.64 | 15.32 | 1.2 | 42.47 |
| 1.486 | 23.39 | 60.99 | 0.39 | 5.67 | 15.11 | 1.2 | 42.47 |
| 1.503 | 23.39 | 60.99 | 0.39 | 5.66 | 15.56 | 1.15 | 42.47 |
| 1.514 | 23.39 | 60.99 | 0.39 | 5.65 | 15.47 | 1.15 | 42.47 |
| 1.518 | 23.39 | 60.99 | 0.39 | 5.63 | 15.08 | 1.15 | 42.47 |
| 1.522 | 23.39 | 60.99 | 0.39 | 5.62 | 14.87 | 1.15 | 42.47 |
| 1.54 | 23.39 | 60.99 | 0.39 | 5.61 | 15.28 | 1.15 | 42.47 |
| 1.573 | 23.39 | 60.99 | 0.39 | 5.6 | 15.05 | 1.14 | 42.47 |
| 1.591 | 23.39 | 60.99 | 0.39 | 5.61 | 14.96 | 1.14 | 42.47 |
| 1.592 | 23.39 | 60.99 | 0.37 | 5.75 | 14.8 | 1.15 | 42.47 |
| 1.597 | 23.39 | 60.99 | 0.37 | 5.76 | 14.82 | 1.15 | 42.47 |
| 1.619 | 23.39 | 60.99 | 0.37 | 5.76 | 14.87 | 1.15 | 42.47 |
| 1.646 | 23.39 | 60.99 | 0.37 | 5.76 | 14.65 | 1.15 | 42.47 |
| 1.652 | 23.39 | 60.99 | 0.42 | 5.79 | 14.57 | 1.2 | 42.47 |
| 1.655 | 23.39 | 60.99 | 0.42 | 5.81 | 14.41 | 1.2 | 42.47 |
| 1.663 | 23.39 | 60.99 | 0.42 | 5.82 | 14.78 | 1.2 | 42.47 |
| 1.674 | 23.39 | 60.99 | 0.39 | 5.81 | 14.41 | 1.13 | 42.47 |
| 1.691 | 23.39 | 60.99 | 0.39 | 5.8 | 14.47 | 1.13 | 42.47 |
| 1.707 | 23.39 | 60.99 | 0.39 | 5.78 | 14.36 | 1.13 | 42.47 |
| 1.724 | 23.39 | 60.99 | 0.39 | 5.77 | 14.35 | 1.13 | 42.47 |
| 1.745 | 23.39 | 60.99 | 0.37 | 5.75 | 14.24 | 1.15 | 42.47 |
| 1.766 | 23.39 | 60.99 | 0.37 | 5.73 | 14.06 | 1.15 | 42.47 |
| 1.779 | 23.39 | 60.99 | 0.37 | 5.73 | 14.17 | 1.15 | 42.47 |
| 1.786 | 23.39 | 60.99 | 0.37 | 5.74 | 14.14 | 1.15 | 42.47 |
| 1.806 | 23.39 | 60.99 | 0.37 | 5.77 | 14.15 | 1.15 | 42.47 |
| 1.854 | 23.39 | 60.99 | 0.39 | 5.79 | 13.67 | 1.19 | 42.47 |
| 1.916 | 23.39 | 60.99 | 0.39 | 5.81 | 13.73 | 1.19 | 42.47 |
| 1.967 | 23.39 | 60.99 | 0.39 | 5.84 | 13.69 | 1.19 | 42.47 |
| 2.013 | 23.39 | 60.99 | 0.39 | 5.88 | 13.53 | 1.19 | 42.47 |
| 2.059 | 23.39 | 60.99 | 0.44 | 5.91 | 13.39 | 1.26 | 42.47 |
| 2.104 | 23.39 | 60.99 | 0.44 | 5.94 | 13.25 | 1.26 | 42.47 |
| 2.133 | 23.39 | 60.99 | 0.44 | 5.97 | 13.16 | 1.26 | 42.47 |
| 2.16 | 23.39 | 60.99 | 0.44 | 5.99 | 13.25 | 1.26 | 42.47 |
| 2.195 | 23.39 | 60.99 | 0.44 | 6.0 | 13.11 | 1.26 | 42.47 |
| 2.231 | 23.39 | 60.99 | 0.44 | 6.01 | 12.88 | 1.23 | 42.47 |
| 2.268 | 23.39 | 60.99 | 0.44 | 6.02 | 12.89 | 1.23 | 42.47 |
| 2.304 | 23.39 | 60.99 | 0.44 | 6.04 | 12.84 | 1.23 | 42.47 |
| 2.347 | 23.39 | 60.99 | 0.44 | 6.08 | 12.67 | 1.23 | 42.46 |
| 2.391 | 23.39 | 60.98 | 0.39 | 6.11 | 12.67 | 1.2 | 42.46 |
| 2.426 | 23.38 | 60.98 | 0.39 | 6.12 | 12.57 | 1.2 | 42.47 |
| 2.465 | 23.38 | 60.98 | 0.39 | 6.13 | 12.57 | 1.2 | 42.46 |
| 2.515 | 23.38 | 60.98 | 0.39 | 6.13 | 12.49 | 1.2 | 42.47 |
| 2.561 | 23.38 | 60.98 | 0.42 | 6.14 | 12.39 | 1.16 | 42.47 |
| 2.616 | 23.38 | 60.98 | 0.42 | 6.15 | 12.36 | 1.16 | 42.47 |
| 2.674 | 23.38 | 60.98 | 0.42 | 6.15 | 12.19 | 1.16 | 42.47 |
| 2.719 | 23.38 | 60.99 | 0.42 | 6.15 | 12.13 | 1.16 | 42.47 |
| 2.763 | 23.38 | 60.99 | 0.42 | 6.17 | 12.1 | 1.16 | 42.47 |
| 2.807 | 23.38 | 60.98 | 0.42 | 6.18 | 12.1 | 1.15 | 42.47 |
| 2.85 | 23.38 | 60.98 | 0.42 | 6.19 | 12.0 | 1.15 | 42.47 |
| 2.907 | 23.38 | 60.98 | 0.42 | 6.18 | 11.86 | 1.15 | 42.47 |
| 2.97 | 23.38 | 60.98 | 0.42 | 6.17 | 11.74 | 1.15 | 42.47 |
| 3.042 | 23.38 | 60.98 | 0.44 | 6.16 | 11.64 | 1.21 | 42.47 |
| 3.125 | 23.38 | 60.98 | 0.44 | 6.14 | 11.58 | 1.21 | 42.47 |
| 3.189 | 23.38 | 60.99 | 0.44 | 6.15 | 11.46 | 1.21 | 42.47 |
| 3.231 | 23.38 | 60.99 | 0.44 | 6.17 | 11.45 | 1.21 | 42.47 |

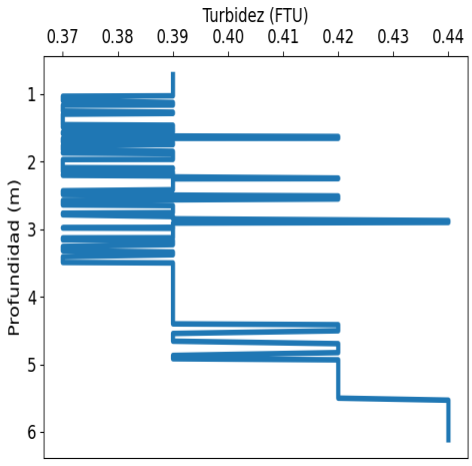
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3.284 | 23.39 | 60.99 | 0.44 | 6.17 | 11.32 | 1.21 | 42.47 |
| 3.356 | 23.39 | 60.99 | 0.42 | 6.16 | 11.3 | 1.19 | 42.47 |
| 3.422 | 23.39 | 60.99 | 0.42 | 6.16 | 11.25 | 1.19 | 42.47 |
| 3.489 | 23.39 | 60.99 | 0.42 | 6.17 | 11.11 | 1.19 | 42.47 |
| 3.55 | 23.39 | 60.99 | 0.42 | 6.18 | 11.04 | 1.19 | 42.47 |
| 3.604 | 23.39 | 60.99 | 0.46 | 6.2 | 10.99 | 1.22 | 42.47 |
| 3.661 | 23.39 | 60.99 | 0.46 | 6.22 | 10.99 | 1.22 | 42.47 |
| 3.71 | 23.39 | 60.99 | 0.46 | 6.25 | 10.93 | 1.22 | 42.47 |
| 3.754 | 23.39 | 60.99 | 0.46 | 6.28 | 10.84 | 1.22 | 42.47 |
| 3.787 | 23.39 | 60.99 | 0.42 | 6.29 | 10.85 | 1.23 | 42.47 |
| 3.799 | 23.39 | 60.99 | 0.42 | 6.27 | 10.82 | 1.23 | 42.47 |
| 3.807 | 23.39 | 60.99 | 0.42 | 6.24 | 10.76 | 1.23 | 42.47 |
| 3.812 | 23.39 | 60.99 | 0.42 | 6.21 | 10.85 | 1.23 | 42.47 |
| 3.818 | 23.39 | 60.99 | 0.42 | 6.18 | 10.77 | 1.23 | 42.47 |
| 3.832 | 23.39 | 60.99 | 0.39 | 6.16 | 10.72 | 1.2 | 42.47 |
| 3.864 | 23.39 | 60.99 | 0.39 | 6.16 | 10.59 | 1.2 | 42.47 |
| 3.907 | 23.38 | 60.99 | 0.39 | 6.18 | 10.61 | 1.2 | 42.47 |
| 3.941 | 23.38 | 60.99 | 0.39 | 6.21 | 10.63 | 1.2 | 42.47 |
| 3.971 | 23.38 | 60.99 | 0.44 | 6.23 | 10.55 | 1.26 | 42.47 |
| 3.997 | 23.39 | 60.99 | 0.44 | 6.25 | 10.55 | 1.26 | 42.47 |
| 4.029 | 23.39 | 60.99 | 0.44 | 6.26 | 10.48 | 1.26 | 42.47 |
| 4.081 | 23.39 | 60.99 | 0.44 | 6.25 | 10.4 | 1.26 | 42.47 |
| 4.128 | 23.39 | 60.99 | 0.44 | 6.24 | 10.28 | 1.26 | 42.47 |
| 4.165 | 23.39 | 60.99 | 0.44 | 6.22 | 10.2 | 1.28 | 42.47 |
| 4.209 | 23.39 | 60.99 | 0.44 | 6.21 | 10.16 | 1.28 | 42.47 |
| 4.255 | 23.39 | 60.99 | 0.44 | 6.21 | 10.11 | 1.28 | 42.47 |
| 4.306 | 23.39 | 60.99 | 0.44 | 6.21 | 10.04 | 1.28 | 42.47 |
| 4.353 | 23.39 | 60.99 | 0.42 | 6.21 | 9.97 | 1.29 | 42.47 |
| 4.399 | 23.39 | 60.99 | 0.42 | 6.2 | 9.89 | 1.29 | 42.47 |
| 4.449 | 23.39 | 60.99 | 0.42 | 6.22 | 9.81 | 1.29 | 42.47 |
| 4.493 | 23.39 | 60.99 | 0.42 | 6.24 | 9.78 | 1.29 | 42.47 |
| 4.54 | 23.39 | 60.99 | 0.39 | 6.26 | 9.7 | 1.25 | 42.47 |
| 4.586 | 23.39 | 60.99 | 0.39 | 6.28 | 9.68 | 1.25 | 42.47 |
| 4.623 | 23.39 | 60.99 | 0.39 | 6.3 | 9.61 | 1.25 | 42.47 |
| 4.66 | 23.39 | 60.99 | 0.39 | 6.31 | 9.55 | 1.25 | 42.47 |
| 4.695 | 23.39 | 60.99 | 0.39 | 6.3 | 9.51 | 1.25 | 42.47 |
| 4.74 | 23.39 | 60.99 | 0.39 | 6.3 | 9.39 | 1.27 | 42.47 |
| 4.792 | 23.39 | 60.99 | 0.39 | 6.29 | 9.35 | 1.27 | 42.47 |
| 4.841 | 23.39 | 60.99 | 0.39 | 6.27 | 9.3 | 1.27 | 42.47 |
| 4.884 | 23.39 | 60.99 | 0.39 | 6.26 | 9.19 | 1.27 | 42.47 |
| 4.936 | 23.39 | 60.99 | 0.44 | 6.26 | 9.11 | 1.25 | 42.47 |
| 4.981 | 23.39 | 60.99 | 0.44 | 6.26 | 9.06 | 1.25 | 42.47 |
| 5.018 | 23.39 | 60.99 | 0.44 | 6.27 | 9.02 | 1.25 | 42.47 |
| 5.078 | 23.39 | 60.99 | 0.44 | 6.28 | 8.85 | 1.25 | 42.47 |
| 5.13 | 23.39 | 60.99 | 0.44 | 6.3 | 8.86 | 1.25 | 42.47 |
| 5.164 | 23.39 | 60.99 | 0.44 | 6.31 | 8.76 | 1.28 | 42.47 |
| 5.213 | 23.39 | 60.99 | 0.44 | 6.32 | 8.66 | 1.28 | 42.47 |
| 5.274 | 23.39 | 60.99 | 0.44 | 6.33 | 8.6 | 1.28 | 42.47 |
| 5.322 | 23.39 | 60.99 | 0.44 | 6.34 | 8.55 | 1.28 | 42.47 |
| 5.346 | 23.39 | 60.99 | 0.46 | 6.34 | 8.54 | 1.33 | 42.47 |
| 5.35 | 23.39 | 60.99 | 0.46 | 6.33 | 8.54 | 1.33 | 42.47 |
| 5.352 | 23.39 | 60.99 | 0.46 | 6.32 | 8.54 | 1.33 | 42.47 |
| 5.353 | 23.39 | 60.99 | 0.46 | 6.3 | 8.51 | 1.33 | 42.47 |
| 5.354 | 23.39 | 60.99 | 0.44 | 6.28 | 8.5 | 1.38 | 42.47 |

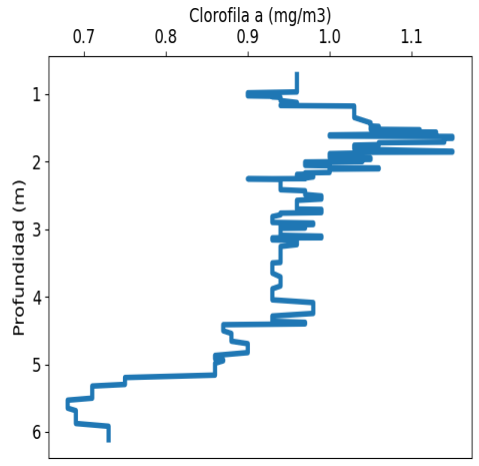
**Nombre: CTD E03 - Punto 003** **Fecha: 19/10/2022** **Hora: 08:10:49**

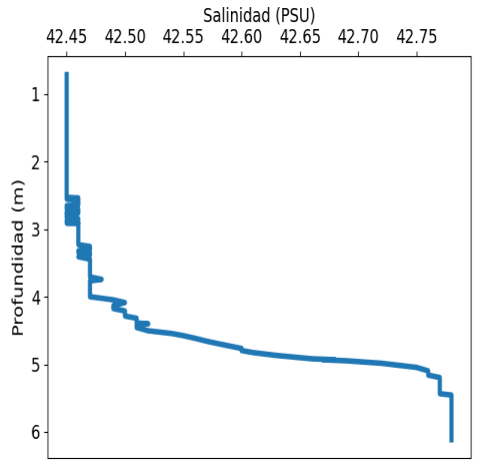


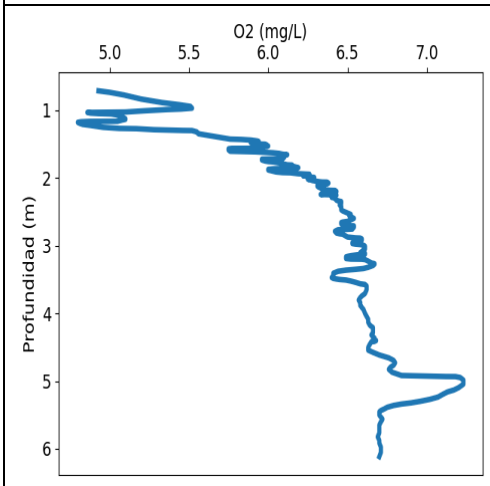



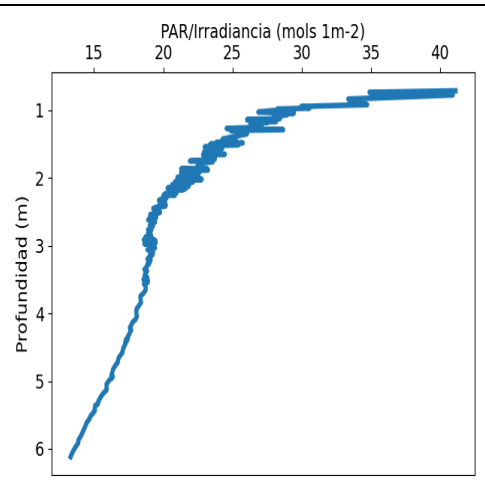




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 23.38 | 60.96 | 0.37 | 4.8 | 13.31 | 0.68 | 42.45 |
| **PROF (metros)** | 1.862 | 1.05 | 1.033 | 1.179 | 6.116 | 5.531 | 0.714 |
| **MÁXIMO** | 23.44 | 23.44 | 0.44 | 7.23 | 41.13 | 1.15 | 42.78 |
| **PROF (metros)** | 4.695 | 5.917 | 2.873 | 4.985 | 0.714 | 1.629 | 5.455 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E03 - Punto 003 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 23.39 | 60.97 | 0.39 | 5.28 | 33.68 | 0.94 | 42.45 |
| 1 - 2m | 23.39 | 60.96 | 0.38 | 5.77 | 24.28 | 1.04 | 42.45 |
| 2 - 3m | 23.39 | 60.97 | 0.39 | 6.44 | 20.05 | 0.97 | 42.45 |
| 3 - 4m | 23.4 | 61.01 | 0.38 | 6.56 | 18.85 | 0.95 | 42.46 |
| 4 - 5m | 23.43 | 61.15 | 0.4 | 6.75 | 17.1 | 0.91 | 42.56 |
| 5 - 6m | 23.41 | 61.4 | 0.42 | 6.84 | 14.9 | 0.73 | 42.77 |
| 6 - 7m | 23.42 | 61.42 | 0.44 | 6.71 | 13.37 | 0.73 | 42.78 |

| OBSERVACIONES GENERALES |
|---|
| |

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.714 | 23.39 | 60.97 | 0.39 | 4.93 | 41.13 | 0.96 | 42.45 |
| 0.736 | 23.39 | 60.97 | 0.39 | 5.0 | 34.91 | 0.96 | 42.45 |
| 0.775 | 23.39 | 60.97 | 0.39 | 5.09 | 40.94 | 0.96 | 42.45 |
| 0.836 | 23.39 | 60.97 | 0.39 | 5.2 | 33.38 | 0.96 | 42.45 |
| 0.887 | 23.39 | 60.97 | 0.39 | 5.33 | 33.7 | 0.96 | 42.45 |
| 0.919 | 23.39 | 60.97 | 0.39 | 5.44 | 34.75 | 0.96 | 42.45 |
| 0.944 | 23.39 | 60.97 | 0.39 | 5.51 | 29.99 | 0.96 | 42.45 |
| 0.97 | 23.39 | 60.97 | 0.39 | 5.52 | 30.58 | 0.96 | 42.45 |
| 0.983 | 23.39 | 60.97 | 0.39 | 5.45 | 28.26 | 0.9 | 42.45 |
| 0.991 | 23.39 | 60.97 | 0.39 | 5.36 | 29.2 | 0.9 | 42.45 |
| 1.009 | 23.39 | 60.97 | 0.39 | 5.22 | 27.74 | 0.9 | 42.45 |
| 1.027 | 23.39 | 60.97 | 0.39 | 5.1 | 26.88 | 0.9 | 42.45 |
| 1.033 | 23.39 | 60.97 | 0.37 | 4.86 | 27.65 | 0.93 | 42.45 |
| 1.043 | 23.39 | 60.97 | 0.37 | 4.88 | 29.45 | 0.93 | 42.45 |
| 1.05 | 23.39 | 60.96 | 0.37 | 4.93 | 28.87 | 0.94 | 42.45 |
| 1.053 | 23.39 | 60.97 | 0.37 | 4.97 | 28.4 | 0.94 | 42.45 |
| 1.056 | 23.39 | 60.97 | 0.37 | 5.01 | 28.64 | 0.94 | 42.45 |
| 1.067 | 23.39 | 60.97 | 0.37 | 5.04 | 28.97 | 0.94 | 42.45 |
| 1.098 | 23.39 | 60.97 | 0.37 | 5.08 | 27.98 | 0.94 | 42.45 |
| 1.126 | 23.39 | 60.97 | 0.39 | 5.1 | 28.44 | 0.96 | 42.45 |
| 1.135 | 23.39 | 60.96 | 0.39 | 5.1 | 26.08 | 0.96 | 42.45 |
| 1.145 | 23.39 | 60.97 | 0.39 | 5.08 | 26.07 | 0.96 | 42.45 |
| 1.164 | 23.39 | 60.97 | 0.39 | 5.05 | 27.73 | 0.96 | 42.45 |
| 1.165 | 23.39 | 60.97 | 0.37 | 4.88 | 28.17 | 0.94 | 42.45 |
| 1.171 | 23.39 | 60.97 | 0.37 | 4.82 | 26.34 | 0.94 | 42.45 |
| 1.179 | 23.39 | 60.96 | 0.37 | 4.8 | 27.58 | 1.03 | 42.45 |
| 1.192 | 23.39 | 60.97 | 0.37 | 4.81 | 26.42 | 1.03 | 42.45 |
| 1.209 | 23.39 | 60.97 | 0.37 | 4.83 | 26.3 | 1.03 | 42.45 |
| 1.225 | 23.39 | 60.97 | 0.37 | 4.88 | 27.13 | 1.03 | 42.45 |
| 1.253 | 23.39 | 60.97 | 0.37 | 4.96 | 26.98 | 1.03 | 42.45 |
| 1.269 | 23.39 | 60.97 | 0.39 | 5.06 | 24.58 | 1.03 | 42.45 |
| 1.273 | 23.39 | 60.97 | 0.39 | 5.17 | 25.0 | 1.03 | 42.45 |
| 1.288 | 23.39 | 60.97 | 0.39 | 5.28 | 28.68 | 1.03 | 42.45 |
| 1.299 | 23.39 | 60.97 | 0.37 | 5.46 | 24.87 | 1.03 | 42.45 |
| 1.301 | 23.39 | 60.96 | 0.37 | 5.52 | 25.53 | 1.03 | 42.45 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.321 | 23.39 | 60.96 | 0.37 | 5.55 | 25.68 | 1.03 | 42.45 |
| 1.348 | 23.39 | 60.96 | 0.37 | 5.56 | 26.06 | 1.03 | 42.45 |
| 1.427 | 23.39 | 60.96 | 0.37 | 5.76 | 24.3 | 1.05 | 42.45 |
| 1.432 | 23.39 | 60.96 | 0.37 | 5.83 | 24.55 | 1.05 | 42.45 |
| 1.441 | 23.39 | 60.96 | 0.37 | 5.89 | 25.24 | 1.05 | 42.45 |
| 1.454 | 23.39 | 60.96 | 0.37 | 5.93 | 24.63 | 1.05 | 42.45 |
| 1.462 | 23.39 | 60.96 | 0.39 | 5.94 | 24.84 | 1.05 | 42.45 |
| 1.466 | 23.39 | 60.96 | 0.39 | 5.94 | 24.34 | 1.05 | 42.45 |
| 1.474 | 23.39 | 60.96 | 0.39 | 5.94 | 23.86 | 1.05 | 42.45 |
| 1.48 | 23.39 | 60.96 | 0.37 | 5.89 | 24.56 | 1.06 | 42.45 |
| 1.483 | 23.39 | 60.96 | 0.37 | 5.9 | 25.75 | 1.06 | 42.45 |
| 1.491 | 23.39 | 60.96 | 0.37 | 5.92 | 25.18 | 1.06 | 42.45 |
| 1.5 | 23.39 | 60.96 | 0.39 | 5.95 | 23.41 | 1.05 | 42.45 |
| 1.501 | 23.39 | 60.96 | 0.39 | 5.96 | 23.54 | 1.05 | 42.45 |
| 1.502 | 23.39 | 60.96 | 0.39 | 5.98 | 24.72 | 1.05 | 42.45 |
| 1.512 | 23.39 | 60.96 | 0.39 | 5.99 | 25.43 | 1.05 | 42.45 |
| 1.523 | 23.39 | 60.96 | 0.39 | 5.98 | 23.67 | 1.05 | 42.45 |
| 1.528 | 23.39 | 60.96 | 0.39 | 5.99 | 24.15 | 1.11 | 42.45 |
| 1.529 | 23.39 | 60.96 | 0.39 | 6.0 | 24.1 | 1.11 | 42.45 |
| 1.543 | 23.39 | 60.96 | 0.39 | 5.97 | 23.0 | 1.11 | 42.45 |
| 1.563 | 23.39 | 60.96 | 0.39 | 5.91 | 24.27 | 1.11 | 42.45 |
| 1.564 | 23.39 | 60.96 | 0.37 | 5.77 | 24.18 | 1.13 | 42.45 |
| 1.57 | 23.39 | 60.96 | 0.37 | 5.75 | 23.52 | 1.13 | 42.45 |
| 1.588 | 23.39 | 60.96 | 0.37 | 5.75 | 23.65 | 1.13 | 42.45 |
| 1.606 | 23.39 | 60.96 | 0.39 | 5.76 | 24.0 | 1.0 | 42.45 |
| 1.611 | 23.39 | 60.96 | 0.39 | 5.86 | 22.96 | 1.0 | 42.45 |
| 1.615 | 23.39 | 60.96 | 0.39 | 5.92 | 24.04 | 1.0 | 42.45 |
| 1.622 | 23.39 | 60.96 | 0.39 | 5.98 | 23.81 | 1.0 | 42.45 |
| 1.629 | 23.39 | 60.96 | 0.42 | 6.03 | 22.99 | 1.15 | 42.45 |
| 1.639 | 23.39 | 60.96 | 0.42 | 6.07 | 23.57 | 1.15 | 42.45 |
| 1.65 | 23.39 | 60.96 | 0.42 | 6.09 | 24.46 | 1.15 | 42.45 |
| 1.656 | 23.39 | 60.96 | 0.42 | 6.11 | 23.64 | 1.15 | 42.45 |
| 1.657 | 23.39 | 60.96 | 0.37 | 6.12 | 22.88 | 1.14 | 42.45 |
| 1.664 | 23.39 | 60.96 | 0.37 | 6.11 | 23.0 | 1.14 | 42.45 |
| 1.676 | 23.39 | 60.96 | 0.37 | 6.1 | 23.77 | 1.14 | 42.45 |
| 1.697 | 23.39 | 60.97 | 0.37 | 6.1 | 22.98 | 1.14 | 42.45 |
| 1.712 | 23.39 | 60.97 | 0.37 | 6.09 | 23.14 | 1.14 | 42.45 |
| 1.716 | 23.39 | 60.97 | 0.39 | 6.09 | 23.19 | 1.1 | 42.45 |
| 1.721 | 23.39 | 60.97 | 0.39 | 6.01 | 23.06 | 1.06 | 42.45 |
| 1.723 | 23.39 | 60.97 | 0.39 | 5.96 | 23.73 | 1.06 | 42.45 |
| 1.735 | 23.39 | 60.97 | 0.39 | 5.96 | 22.96 | 1.06 | 42.45 |
| 1.75 | 23.39 | 60.97 | 0.39 | 5.98 | 21.93 | 1.06 | 42.45 |
| 1.758 | 23.39 | 60.97 | 0.37 | 6.0 | 22.79 | 1.03 | 42.45 |
| 1.763 | 23.39 | 60.97 | 0.37 | 6.03 | 23.58 | 1.03 | 42.45 |
| 1.778 | 23.39 | 60.97 | 0.37 | 6.07 | 22.68 | 1.03 | 42.45 |
| 1.796 | 23.39 | 60.97 | 0.37 | 6.1 | 22.57 | 1.03 | 42.45 |
| 1.807 | 23.39 | 60.97 | 0.37 | 6.12 | 22.51 | 1.03 | 42.45 |
| 1.809 | 23.39 | 60.97 | 0.37 | 6.14 | 22.74 | 1.06 | 42.45 |
| 1.81 | 23.39 | 60.97 | 0.37 | 6.15 | 22.55 | 1.06 | 42.45 |
| 1.825 | 23.39 | 60.97 | 0.37 | 6.15 | 22.49 | 1.06 | 42.45 |
| 1.849 | 23.39 | 60.96 | 0.39 | 6.19 | 22.87 | 1.15 | 42.45 |
| 1.859 | 23.39 | 60.96 | 0.39 | 6.18 | 22.37 | 1.15 | 42.45 |
| 1.862 | 23.38 | 60.96 | 0.37 | 6.08 | 23.16 | 1.04 | 42.45 |
| 1.866 | 23.38 | 60.96 | 0.37 | 6.03 | 21.3 | 1.04 | 42.45 |
| 1.873 | 23.38 | 60.96 | 0.37 | 6.0 | 22.12 | 1.04 | 42.45 |
| 1.883 | 23.38 | 60.96 | 0.39 | 6.0 | 23.24 | 1.0 | 42.45 |
| 1.895 | 23.38 | 60.96 | 0.39 | 6.02 | 22.05 | 1.0 | 42.45 |
| 1.912 | 23.38 | 60.96 | 0.39 | 6.05 | 21.29 | 1.0 | 42.45 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.921 | 23.38 | 60.96 | 0.39 | 6.09 | 21.86 | 1.0 | 42.45 |
| 1.924 | 23.38 | 60.96 | 0.39 | 6.14 | 22.6 | 1.0 | 42.45 |
| 1.938 | 23.38 | 60.96 | 0.39 | 6.19 | 22.44 | 1.0 | 42.45 |
| 1.946 | 23.38 | 60.96 | 0.39 | 6.26 | 22.19 | 1.05 | 42.45 |
| 1.953 | 23.38 | 60.96 | 0.39 | 6.25 | 21.38 | 1.05 | 42.45 |
| 1.968 | 23.38 | 60.96 | 0.39 | 6.24 | 21.68 | 1.05 | 42.45 |
| 1.97 | 23.38 | 60.96 | 0.37 | 6.22 | 21.71 | 1.03 | 42.45 |
| 1.972 | 23.38 | 60.96 | 0.37 | 6.24 | 21.28 | 1.03 | 42.45 |
| 1.979 | 23.38 | 60.96 | 0.37 | 6.24 | 21.71 | 1.03 | 42.45 |
| 1.986 | 23.38 | 60.96 | 0.37 | 6.26 | 22.47 | 1.03 | 42.45 |
| 1.991 | 23.38 | 60.96 | 0.37 | 6.28 | 21.03 | 1.03 | 42.45 |
| 1.993 | 23.38 | 60.96 | 0.37 | 6.29 | 21.16 | 1.04 | 42.45 |
| 1.999 | 23.38 | 60.96 | 0.37 | 6.29 | 21.85 | 1.04 | 42.45 |
| 2.007 | 23.38 | 60.96 | 0.37 | 6.26 | 21.9 | 0.97 | 42.45 |
| 2.017 | 23.38 | 60.96 | 0.37 | 6.26 | 22.78 | 0.97 | 42.45 |
| 2.02 | 23.38 | 60.96 | 0.37 | 6.25 | 22.06 | 0.97 | 42.45 |
| 2.024 | 23.38 | 60.96 | 0.37 | 6.26 | 22.76 | 0.97 | 42.45 |
| 2.039 | 23.38 | 60.96 | 0.37 | 6.28 | 21.05 | 0.97 | 42.45 |
| 2.056 | 23.38 | 60.96 | 0.37 | 6.32 | 20.86 | 0.97 | 42.45 |
| 2.061 | 23.38 | 60.96 | 0.37 | 6.34 | 22.14 | 1.0 | 42.45 |
| 2.062 | 23.38 | 60.96 | 0.37 | 6.37 | 22.04 | 1.0 | 42.45 |
| 2.076 | 23.38 | 60.96 | 0.37 | 6.38 | 21.0 | 1.0 | 42.45 |
| 2.09 | 23.38 | 60.96 | 0.37 | 6.37 | 20.9 | 1.0 | 42.45 |
| 2.094 | 23.38 | 60.96 | 0.39 | 6.34 | 21.89 | 1.06 | 42.45 |
| 2.095 | 23.38 | 60.96 | 0.39 | 6.35 | 21.49 | 1.06 | 42.45 |
| 2.101 | 23.38 | 60.96 | 0.39 | 6.34 | 20.65 | 1.06 | 42.45 |
| 2.107 | 23.38 | 60.96 | 0.39 | 6.32 | 20.86 | 1.06 | 42.45 |
| 2.112 | 23.38 | 60.96 | 0.37 | 6.31 | 21.63 | 1.0 | 42.45 |
| 2.123 | 23.38 | 60.96 | 0.37 | 6.31 | 21.84 | 1.0 | 42.45 |
| 2.138 | 23.38 | 60.96 | 0.37 | 6.32 | 20.75 | 1.0 | 42.45 |
| 2.149 | 23.38 | 60.96 | 0.37 | 6.33 | 20.32 | 1.0 | 42.45 |
| 2.154 | 23.38 | 60.96 | 0.39 | 6.34 | 21.64 | 1.0 | 42.45 |
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| 2.161 | 23.38 | 60.96 | 0.39 | 6.35 | 20.5 | 1.0 | 42.45 |
| 2.167 | 23.38 | 60.96 | 0.39 | 6.34 | 21.15 | 0.97 | 42.45 |
| 2.174 | 23.38 | 60.96 | 0.39 | 6.34 | 21.46 | 0.97 | 42.45 |
| 2.176 | 23.38 | 60.96 | 0.39 | 6.35 | 21.14 | 0.97 | 42.45 |
| 2.178 | 23.38 | 60.96 | 0.39 | 6.37 | 20.79 | 0.98 | 42.45 |
| 2.183 | 23.38 | 60.96 | 0.39 | 6.39 | 21.01 | 0.98 | 42.45 |
| 2.185 | 23.38 | 60.96 | 0.39 | 6.42 | 20.42 | 0.98 | 42.45 |
| 2.19 | 23.38 | 60.96 | 0.37 | 6.42 | 20.55 | 0.96 | 42.45 |
| 2.2 | 23.38 | 60.96 | 0.37 | 6.43 | 20.91 | 0.96 | 42.45 |
| 2.202 | 23.38 | 60.96 | 0.37 | 6.41 | 20.39 | 0.96 | 42.45 |
| 2.204 | 23.38 | 60.96 | 0.37 | 6.39 | 20.8 | 0.96 | 42.45 |
| 2.213 | 23.39 | 60.97 | 0.39 | 6.39 | 20.94 | 0.98 | 42.45 |
| 2.217 | 23.39 | 60.97 | 0.39 | 6.39 | 20.97 | 0.98 | 42.45 |
| 2.227 | 23.39 | 60.97 | 0.39 | 6.39 | 20.2 | 0.98 | 42.45 |
| 2.244 | 23.39 | 60.98 | 0.42 | 6.33 | 20.08 | 0.97 | 42.45 |
| 2.247 | 23.39 | 60.98 | 0.42 | 6.38 | 20.85 | 0.97 | 42.45 |
| 2.248 | 23.39 | 60.98 | 0.42 | 6.39 | 20.69 | 0.97 | 42.45 |
| 2.253 | 23.39 | 60.98 | 0.42 | 6.41 | 20.5 | 0.97 | 42.45 |
| 2.255 | 23.39 | 60.98 | 0.39 | 6.43 | 20.83 | 0.9 | 42.45 |
| 2.256 | 23.39 | 60.98 | 0.39 | 6.42 | 20.1 | 0.9 | 42.45 |
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| 2.274 | 23.39 | 60.98 | 0.39 | 6.4 | 20.1 | 0.94 | 42.45 |
| 2.286 | 23.39 | 60.98 | 0.39 | 6.4 | 20.08 | 0.94 | 42.45 |
| 2.288 | 23.39 | 60.98 | 0.39 | 6.4 | 19.96 | 0.94 | 42.45 |
| 2.29 | 23.39 | 60.97 | 0.39 | 6.41 | 20.25 | 0.94 | 42.45 |

| 2.302 | 23.39 | 60.97 | 0.39 | 6.42 | 20.2 | 0.94 | 42.45 |
|---|---|---|---|---|---|---|---|
| 2.33 | 23.39 | 60.98 | 0.39 | 6.43 | 19.69 | 0.94 | 42.45 |
| 2.345 | 23.39 | 60.97 | 0.39 | 6.45 | 20.14 | 0.94 | 42.45 |
| 2.349 | 23.39 | 60.97 | 0.39 | 6.46 | 19.8 | 0.94 | 42.45 |
| 2.371 | 23.39 | 60.97 | 0.39 | 6.46 | 19.75 | 0.94 | 42.45 |
| 2.4 | 23.39 | 60.97 | 0.39 | 6.45 | 20.19 | 0.94 | 42.45 |
| 2.417 | 23.39 | 60.98 | 0.39 | 6.46 | 20.15 | 0.94 | 42.45 |
| 2.432 | 23.39 | 60.98 | 0.37 | 6.46 | 19.5 | 0.97 | 42.45 |
| 2.452 | 23.39 | 60.98 | 0.37 | 6.46 | 19.28 | 0.97 | 42.45 |
| 2.472 | 23.39 | 60.98 | 0.37 | 6.46 | 19.33 | 0.97 | 42.45 |
| 2.488 | 23.39 | 60.98 | 0.37 | 6.47 | 19.71 | 0.97 | 42.45 |
| 2.509 | 23.39 | 60.98 | 0.42 | 6.49 | 19.77 | 0.99 | 42.45 |
| 2.529 | 23.39 | 60.98 | 0.42 | 6.51 | 19.48 | 0.99 | 42.45 |
| 2.539 | 23.39 | 60.98 | 0.42 | 6.52 | 19.07 | 0.99 | 42.46 |
| 2.554 | 23.4 | 60.98 | 0.42 | 6.51 | 19.05 | 0.99 | 42.45 |
| 2.574 | 23.4 | 60.98 | 0.37 | 6.52 | 19.49 | 0.96 | 42.46 |
| 2.586 | 23.4 | 60.99 | 0.37 | 6.53 | 19.49 | 0.96 | 42.46 |
| 2.597 | 23.4 | 60.99 | 0.37 | 6.54 | 19.04 | 0.96 | 42.46 |
| 2.619 | 23.4 | 60.99 | 0.37 | 6.52 | 18.91 | 0.96 | 42.46 |
| 2.642 | 23.4 | 60.99 | 0.37 | 6.5 | 19.25 | 0.96 | 42.46 |
| 2.652 | 23.4 | 60.98 | 0.39 | 6.47 | 19.42 | 0.96 | 42.45 |
| 2.659 | 23.4 | 60.98 | 0.39 | 6.46 | 19.1 | 0.96 | 42.45 |
| 2.677 | 23.4 | 60.98 | 0.39 | 6.46 | 19.08 | 0.96 | 42.45 |
| 2.703 | 23.4 | 60.98 | 0.39 | 6.47 | 19.03 | 0.96 | 42.45 |
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| 2.765 | 23.4 | 60.98 | 0.37 | 6.44 | 18.9 | 0.94 | 42.45 |
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| 2.814 | 23.4 | 60.98 | 0.39 | 6.43 | 18.9 | 0.93 | 42.45 |
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| 2.831 | 23.4 | 60.98 | 0.39 | 6.47 | 19.11 | 0.93 | 42.45 |
| 2.847 | 23.4 | 60.98 | 0.39 | 6.48 | 19.04 | 0.93 | 42.46 |
| 2.873 | 23.4 | 60.98 | 0.44 | 6.5 | 18.72 | 0.93 | 42.45 |
| 2.886 | 23.4 | 60.98 | 0.44 | 6.55 | 19.16 | 0.93 | 42.45 |
| 2.889 | 23.4 | 60.99 | 0.44 | 6.58 | 19.21 | 0.93 | 42.46 |
| 2.901 | 23.4 | 60.99 | 0.44 | 6.59 | 18.8 | 0.93 | 42.46 |
| 2.91 | 23.4 | 60.98 | 0.39 | 6.59 | 18.6 | 0.98 | 42.45 |
| 2.918 | 23.4 | 60.99 | 0.39 | 6.59 | 19.11 | 0.98 | 42.46 |
| 2.924 | 23.4 | 60.99 | 0.39 | 6.58 | 19.44 | 0.98 | 42.46 |
| 2.932 | 23.4 | 60.99 | 0.39 | 6.56 | 19.0 | 0.98 | 42.46 |
| 2.942 | 23.4 | 60.99 | 0.39 | 6.54 | 18.64 | 0.94 | 42.46 |
| 2.949 | 23.4 | 60.99 | 0.39 | 6.54 | 18.86 | 0.94 | 42.46 |
| 2.959 | 23.4 | 60.99 | 0.39 | 6.53 | 19.46 | 0.94 | 42.46 |
| 2.969 | 23.4 | 60.99 | 0.39 | 6.53 | 19.13 | 0.94 | 42.46 |
| 2.973 | 23.4 | 60.99 | 0.39 | 6.54 | 18.64 | 0.94 | 42.46 |
| 2.978 | 23.4 | 60.99 | 0.37 | 6.55 | 18.77 | 0.97 | 42.46 |
| 2.984 | 23.4 | 60.99 | 0.37 | 6.58 | 19.19 | 0.97 | 42.46 |
| 2.988 | 23.4 | 60.99 | 0.39 | 6.59 | 18.93 | 0.94 | 42.46 |
| 2.994 | 23.4 | 60.99 | 0.39 | 6.6 | 19.09 | 0.94 | 42.46 |
| 3.008 | 23.4 | 60.99 | 0.39 | 6.61 | 19.08 | 0.94 | 42.46 |
| 3.031 | 23.4 | 60.99 | 0.39 | 6.61 | 19.41 | 0.94 | 42.46 |
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| 3.103 | 23.4 | 61.0 | 0.39 | 6.58 | 19.15 | 0.99 | 42.46 |

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| 3.104 | 23.4 | 61.0 | 0.39 | 6.6 | 19.06 | 0.99 | 42.46 |
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| 3.129 | 23.4 | 60.99 | 0.37 | 6.6 | 19.12 | 0.93 | 42.46 |
| 3.136 | 23.4 | 60.99 | 0.37 | 6.56 | 19.22 | 0.93 | 42.46 |
| 3.149 | 23.4 | 60.99 | 0.37 | 6.52 | 19.12 | 0.93 | 42.46 |
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| 3.166 | 23.4 | 60.99 | 0.39 | 6.49 | 19.02 | 0.96 | 42.46 |
| 3.177 | 23.4 | 60.99 | 0.39 | 6.49 | 19.07 | 0.96 | 42.46 |
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| 3.198 | 23.4 | 61.0 | 0.39 | 6.52 | 18.93 | 0.96 | 42.46 |
| 3.199 | 23.4 | 61.0 | 0.39 | 6.56 | 18.86 | 0.96 | 42.46 |
| 3.2 | 23.4 | 61.0 | 0.39 | 6.59 | 19.02 | 0.96 | 42.46 |
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| 3.379 | 23.41 | 61.01 | 0.39 | 6.44 | 18.84 | 0.94 | 42.47 |
| 3.408 | 23.41 | 61.01 | 0.37 | 6.41 | 18.7 | 0.94 | 42.46 |
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| 3.484 | 23.41 | 61.01 | 0.37 | 6.41 | 18.84 | 0.94 | 42.47 |
| 3.493 | 23.41 | 61.01 | 0.37 | 6.43 | 18.62 | 0.94 | 42.47 |
| 3.5 | 23.41 | 61.02 | 0.39 | 6.45 | 18.57 | 0.93 | 42.47 |
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| 3.743 | 23.41 | 61.03 | 0.39 | 6.59 | 18.36 | 0.94 | 42.48 |
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| 4.402 | 23.43 | 61.11 | 0.39 | 6.68 | 17.31 | 0.97 | 42.52 |

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| 4.414 | 23.43 | 61.1 | 0.42 | 6.67 | 17.36 | 0.87 | 42.51 |
| 4.421 | 23.43 | 61.1 | 0.42 | 6.65 | 17.26 | 0.87 | 42.51 |
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| 4.615 | 23.43 | 61.16 | 0.39 | 6.7 | 16.92 | 0.88 | 42.56 |
| 4.658 | 23.43 | 61.17 | 0.39 | 6.76 | 16.78 | 0.88 | 42.57 |
| 4.695 | 23.44 | 61.19 | 0.42 | 6.79 | 16.73 | 0.9 | 42.58 |
| 4.73 | 23.43 | 61.2 | 0.42 | 6.8 | 16.7 | 0.9 | 42.59 |
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| 4.827 | 23.43 | 61.22 | 0.42 | 6.76 | 16.38 | 0.9 | 42.61 |
| 4.869 | 23.42 | 61.24 | 0.39 | 6.78 | 16.32 | 0.86 | 42.63 |
| 4.918 | 23.42 | 61.27 | 0.39 | 6.84 | 16.25 | 0.86 | 42.66 |
| 4.933 | 23.41 | 61.29 | 0.42 | 7.12 | 16.28 | 0.87 | 42.68 |
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| 4.985 | 23.41 | 61.34 | 0.42 | 7.23 | 16.11 | 0.86 | 42.72 |
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| 5.097 | 23.41 | 61.38 | 0.42 | 7.2 | 15.91 | 0.86 | 42.76 |
| 5.132 | 23.41 | 61.39 | 0.42 | 7.17 | 15.91 | 0.86 | 42.76 |
| 5.16 | 23.41 | 61.39 | 0.42 | 7.13 | 15.76 | 0.86 | 42.76 |
| 5.196 | 23.41 | 61.39 | 0.42 | 7.1 | 15.61 | 0.75 | 42.77 |
| 5.236 | 23.41 | 61.4 | 0.42 | 7.07 | 15.48 | 0.75 | 42.77 |
| 5.269 | 23.41 | 61.4 | 0.42 | 7.02 | 15.39 | 0.75 | 42.77 |
| 5.298 | 23.41 | 61.4 | 0.42 | 6.96 | 15.31 | 0.75 | 42.77 |
| 5.322 | 23.41 | 61.4 | 0.42 | 6.9 | 15.3 | 0.71 | 42.77 |
| 5.339 | 23.41 | 61.4 | 0.42 | 6.84 | 15.28 | 0.71 | 42.77 |
| 5.36 | 23.41 | 61.4 | 0.42 | 6.79 | 15.08 | 0.71 | 42.77 |
| 5.387 | 23.41 | 61.41 | 0.42 | 6.75 | 15.07 | 0.71 | 42.77 |
| 5.413 | 23.41 | 61.41 | 0.42 | 6.73 | 15.04 | 0.71 | 42.77 |
| 5.435 | 23.41 | 61.41 | 0.42 | 6.71 | 15.07 | 0.71 | 42.77 |
| 5.455 | 23.41 | 61.41 | 0.42 | 6.7 | 14.97 | 0.71 | 42.78 |
| 5.476 | 23.41 | 61.41 | 0.42 | 6.7 | 14.93 | 0.71 | 42.78 |
| 5.501 | 23.41 | 61.41 | 0.42 | 6.7 | 14.8 | 0.71 | 42.78 |
| 5.531 | 23.41 | 61.41 | 0.44 | 6.71 | 14.71 | 0.68 | 42.78 |
| 5.562 | 23.41 | 61.41 | 0.44 | 6.72 | 14.66 | 0.68 | 42.78 |
| 5.602 | 23.41 | 61.41 | 0.44 | 6.71 | 14.5 | 0.68 | 42.78 |
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| 5.764 | 23.41 | 61.41 | 0.44 | 6.7 | 14.16 | 0.69 | 42.78 |
| 5.824 | 23.42 | 61.41 | 0.44 | 6.69 | 14.01 | 0.69 | 42.78 |
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| 5.974 | 23.42 | 61.42 | 0.44 | 6.71 | 13.66 | 0.73 | 42.78 |
| 6.053 | 23.42 | 61.42 | 0.44 | 6.71 | 13.44 | 0.73 | 42.78 |
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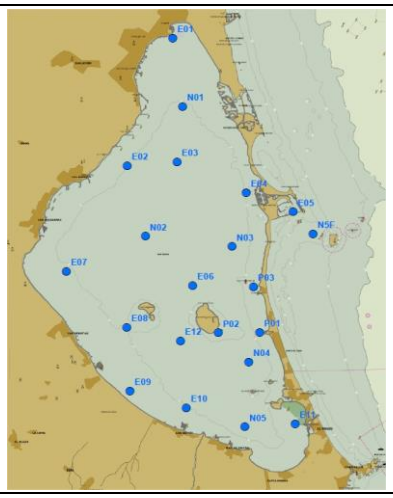
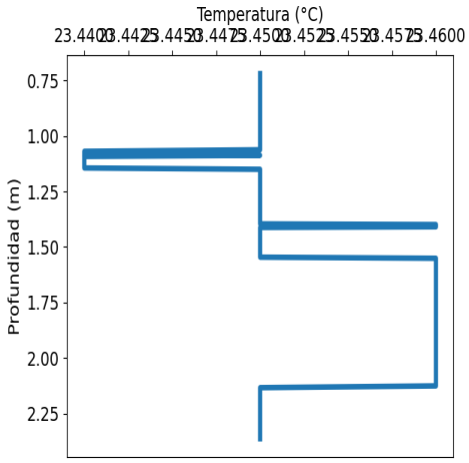
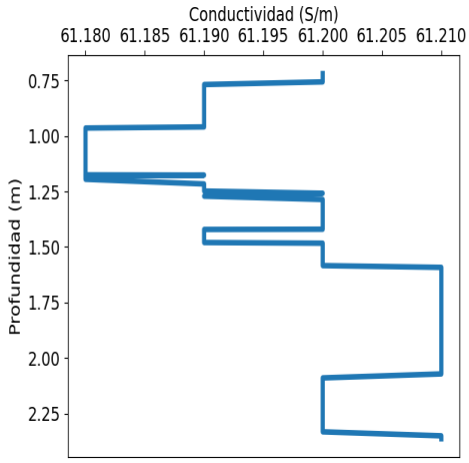
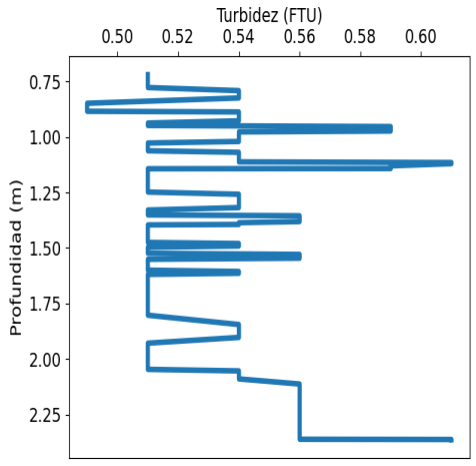
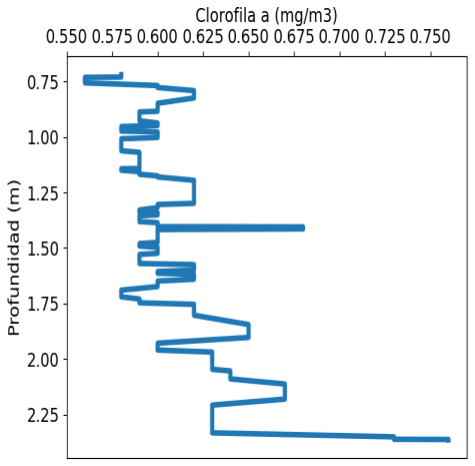
**Nombre: CTD N01 - Punto 004** **Fecha: 19/10/2022** **Hora: 08:10:40**

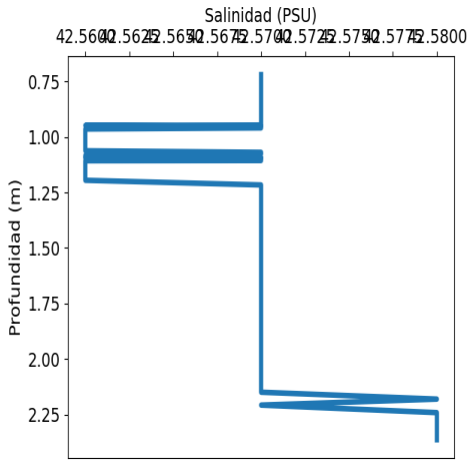


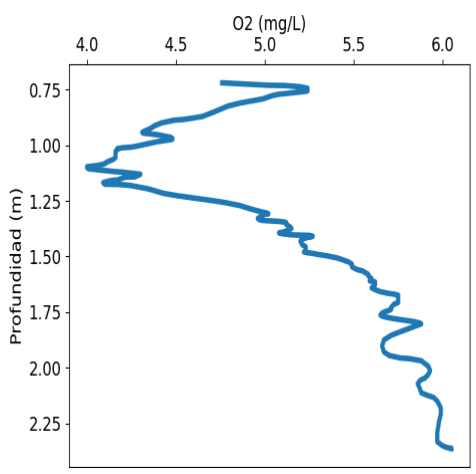



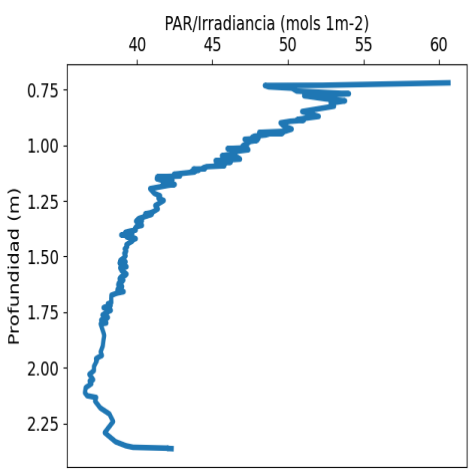




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 23.44 | 61.18 | 0.49 | 4.0 | 36.57 | 0.56 | 42.56 |
| **PROF (metros)** | 1.069 | 0.964 | 0.848 | 1.096 | 2.113 | 0.731 | 0.964 |
| **MÁXIMO** | 23.46 | 23.46 | 0.61 | 6.05 | 60.63 | 0.76 | 42.58 |
| **PROF (metros)** | 1.399 | 1.592 | 1.115 | 2.362 | 0.719 | 2.363 | 2.181 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD N01 - Punto 004 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 23.45 | 61.19 | 0.53 | 4.67 | 50.46 | 0.59 | 42.57 |
| 1 - 2m | 23.45 | 61.2 | 0.53 | 5.06 | 40.52 | 0.6 | 42.57 |
| 2 - 3m | 23.45 | 61.21 | 0.55 | 5.96 | 38.34 | 0.67 | 42.57 |

| OBSERVACIONES GENERALES |
|---|
| |

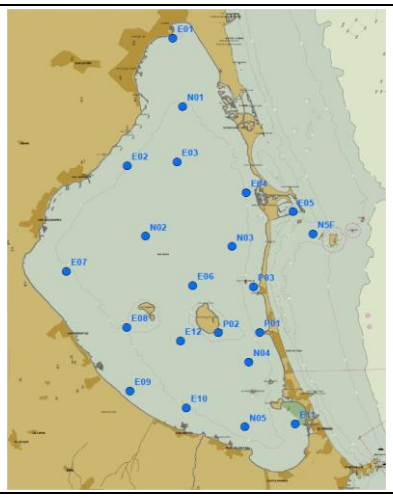
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.719 | 23.45 | 61.2 | 0.51 | 4.76 | 60.63 | 0.58 | 42.57 |
| 0.73 | 23.45 | 61.2 | 0.51 | 5.02 | 52.27 | 0.58 | 42.57 |
| 0.731 | 23.45 | 61.2 | 0.51 | 5.11 | 48.47 | 0.56 | 42.57 |
| 0.737 | 23.45 | 61.2 | 0.51 | 5.2 | 48.73 | 0.56 | 42.57 |
| 0.743 | 23.45 | 61.2 | 0.51 | 5.24 | 50.27 | 0.56 | 42.57 |
| 0.756 | 23.45 | 61.2 | 0.51 | 5.24 | 50.58 | 0.56 | 42.57 |
| 0.768 | 23.45 | 61.19 | 0.51 | 5.11 | 54.05 | 0.6 | 42.57 |
| 0.77 | 23.45 | 61.19 | 0.51 | 5.08 | 53.56 | 0.6 | 42.57 |
| 0.777 | 23.45 | 61.19 | 0.51 | 5.04 | 51.07 | 0.6 | 42.57 |
| 0.791 | 23.45 | 61.19 | 0.54 | 4.99 | 52.5 | 0.62 | 42.57 |
| 0.8 | 23.45 | 61.19 | 0.54 | 4.93 | 53.79 | 0.62 | 42.57 |
| 0.81 | 23.45 | 61.19 | 0.54 | 4.86 | 52.83 | 0.62 | 42.57 |
| 0.824 | 23.45 | 61.19 | 0.54 | 4.79 | 53.06 | 0.62 | 42.57 |
| 0.848 | 23.45 | 61.19 | 0.49 | 4.72 | 50.94 | 0.6 | 42.57 |
| 0.87 | 23.45 | 61.19 | 0.49 | 4.65 | 52.05 | 0.6 | 42.57 |
| 0.878 | 23.45 | 61.19 | 0.49 | 4.59 | 51.16 | 0.6 | 42.57 |
| 0.884 | 23.45 | 61.19 | 0.49 | 4.54 | 50.62 | 0.6 | 42.57 |
| 0.887 | 23.45 | 61.19 | 0.54 | 4.49 | 51.06 | 0.59 | 42.57 |
| 0.892 | 23.45 | 61.19 | 0.54 | 4.46 | 50.15 | 0.59 | 42.57 |
| 0.899 | 23.45 | 61.19 | 0.54 | 4.42 | 49.51 | 0.59 | 42.57 |
| 0.912 | 23.45 | 61.19 | 0.54 | 4.38 | 49.7 | 0.59 | 42.57 |
| 0.927 | 23.45 | 61.19 | 0.54 | 4.35 | 50.26 | 0.59 | 42.57 |
| 0.937 | 23.45 | 61.19 | 0.51 | 4.32 | 49.81 | 0.6 | 42.57 |
| 0.942 | 23.45 | 61.19 | 0.51 | 4.31 | 48.1 | 0.6 | 42.57 |
| 0.946 | 23.45 | 61.19 | 0.51 | 4.32 | 49.65 | 0.6 | 42.57 |
| 0.948 | 23.45 | 61.19 | 0.51 | 4.35 | 48.79 | 0.6 | 42.56 |
| 0.953 | 23.45 | 61.19 | 0.59 | 4.4 | 48.55 | 0.58 | 42.57 |
| 0.959 | 23.45 | 61.19 | 0.59 | 4.44 | 47.77 | 0.58 | 42.57 |
| 0.964 | 23.45 | 61.18 | 0.59 | 4.47 | 47.63 | 0.58 | 42.56 |
| 0.969 | 23.45 | 61.18 | 0.59 | 4.48 | 48.06 | 0.58 | 42.56 |
| 0.973 | 23.45 | 61.18 | 0.59 | 4.48 | 47.13 | 0.58 | 42.56 |
| 0.977 | 23.45 | 61.18 | 0.54 | 4.45 | 47.98 | 0.6 | 42.56 |
| 0.983 | 23.45 | 61.18 | 0.54 | 4.4 | 47.5 | 0.6 | 42.56 |
| 0.993 | 23.45 | 61.18 | 0.54 | 4.34 | 47.3 | 0.6 | 42.56 |
| 1.002 | 23.45 | 61.18 | 0.54 | 4.29 | 47.01 | 0.6 | 42.56 |
| 1.008 | 23.45 | 61.18 | 0.54 | 4.25 | 47.3 | 0.58 | 42.56 |
| 1.011 | 23.45 | 61.18 | 0.54 | 4.2 | 47.26 | 0.58 | 42.56 |
| 1.015 | 23.45 | 61.18 | 0.54 | 4.17 | 46.0 | 0.58 | 42.56 |
| 1.02 | 23.45 | 61.18 | 0.54 | 4.17 | 47.39 | 0.58 | 42.56 |

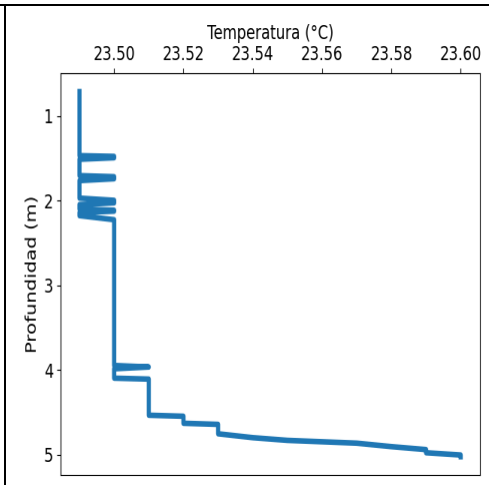
| 1.027 | 23.45 | 61.18 | 0.51 | 4.16 | 46.58 | 0.58 | 42.56 |
|---|---|---|---|---|---|---|---|
| 1.037 | 23.45 | 61.18 | 0.51 | 4.16 | 46.53 | 0.58 | 42.56 |
| 1.047 | 23.45 | 61.18 | 0.51 | 4.16 | 45.63 | 0.58 | 42.56 |
| 1.055 | 23.45 | 61.18 | 0.51 | 4.16 | 46.69 | 0.58 | 42.56 |
| 1.062 | 23.45 | 61.18 | 0.51 | 4.15 | 46.84 | 0.58 | 42.56 |
| 1.069 | 23.44 | 61.18 | 0.54 | 4.13 | 45.21 | 0.59 | 42.57 |
| 1.076 | 23.44 | 61.18 | 0.54 | 4.11 | 46.22 | 0.59 | 42.57 |
| 1.083 | 23.44 | 61.18 | 0.54 | 4.1 | 45.24 | 0.59 | 42.56 |
| 1.087 | 23.45 | 61.18 | 0.54 | 4.08 | 45.35 | 0.59 | 42.56 |
| 1.092 | 23.44 | 61.18 | 0.54 | 4.05 | 45.8 | 0.59 | 42.57 |
| 1.095 | 23.44 | 61.18 | 0.54 | 4.01 | 45.01 | 0.59 | 42.56 |
| 1.096 | 23.44 | 61.18 | 0.54 | 4.0 | 44.62 | 0.59 | 42.57 |
| 1.101 | 23.44 | 61.18 | 0.54 | 4.0 | 44.4 | 0.59 | 42.57 |
| 1.106 | 23.44 | 61.18 | 0.54 | 4.01 | 44.51 | 0.59 | 42.57 |
| 1.107 | 23.44 | 61.18 | 0.54 | 4.03 | 43.74 | 0.59 | 42.56 |
| 1.109 | 23.44 | 61.18 | 0.54 | 4.05 | 43.94 | 0.59 | 42.56 |
| 1.112 | 23.44 | 61.18 | 0.54 | 4.08 | 44.11 | 0.59 | 42.56 |
| 1.115 | 23.44 | 61.18 | 0.61 | 4.12 | 43.83 | 0.59 | 42.56 |
| 1.118 | 23.44 | 61.18 | 0.61 | 4.15 | 43.6 | 0.59 | 42.56 |
| 1.12 | 23.44 | 61.18 | 0.61 | 4.19 | 43.83 | 0.59 | 42.56 |
| 1.13 | 23.44 | 61.18 | 0.59 | 4.3 | 42.46 | 0.59 | 42.56 |
| 1.138 | 23.44 | 61.18 | 0.59 | 4.28 | 42.87 | 0.59 | 42.56 |
| 1.142 | 23.44 | 61.18 | 0.59 | 4.27 | 41.35 | 0.59 | 42.56 |
| 1.143 | 23.44 | 61.18 | 0.51 | 4.21 | 42.37 | 0.58 | 42.56 |
| 1.144 | 23.44 | 61.18 | 0.51 | 4.21 | 42.34 | 0.58 | 42.56 |
| 1.15 | 23.45 | 61.18 | 0.51 | 4.19 | 41.32 | 0.58 | 42.56 |
| 1.156 | 23.45 | 61.18 | 0.51 | 4.17 | 41.6 | 0.59 | 42.56 |
| 1.157 | 23.45 | 61.18 | 0.51 | 4.15 | 42.37 | 0.59 | 42.56 |
| 1.161 | 23.45 | 61.18 | 0.51 | 4.12 | 42.34 | 0.59 | 42.56 |
| 1.168 | 23.45 | 61.18 | 0.51 | 4.09 | 41.97 | 0.59 | 42.56 |
| 1.175 | 23.45 | 61.18 | 0.51 | 4.1 | 41.72 | 0.6 | 42.56 |
| 1.176 | 23.45 | 61.19 | 0.51 | 4.18 | 42.52 | 0.6 | 42.56 |
| 1.18 | 23.45 | 61.18 | 0.51 | 4.24 | 42.07 | 0.6 | 42.56 |
| 1.195 | 23.45 | 61.18 | 0.51 | 4.34 | 40.88 | 0.62 | 42.56 |
| 1.216 | 23.45 | 61.19 | 0.51 | 4.43 | 41.16 | 0.62 | 42.57 |
| 1.227 | 23.45 | 61.19 | 0.51 | 4.51 | 41.55 | 0.62 | 42.57 |
| 1.238 | 23.45 | 61.19 | 0.51 | 4.61 | 41.43 | 0.62 | 42.57 |
| 1.248 | 23.45 | 61.19 | 0.51 | 4.7 | 41.79 | 0.62 | 42.57 |
| 1.258 | 23.45 | 61.2 | 0.54 | 4.78 | 41.55 | 0.62 | 42.57 |
| 1.271 | 23.45 | 61.19 | 0.54 | 4.86 | 41.22 | 0.62 | 42.57 |
| 1.286 | 23.45 | 61.2 | 0.54 | 4.92 | 41.4 | 0.62 | 42.57 |
| 1.299 | 23.45 | 61.2 | 0.54 | 4.98 | 41.08 | 0.62 | 42.57 |
| 1.304 | 23.45 | 61.2 | 0.54 | 5.01 | 40.88 | 0.6 | 42.57 |
| 1.308 | 23.45 | 61.2 | 0.54 | 5.02 | 40.56 | 0.6 | 42.57 |
| 1.31 | 23.45 | 61.2 | 0.54 | 5.0 | 41.0 | 0.6 | 42.57 |
| 1.318 | 23.45 | 61.2 | 0.54 | 4.98 | 40.66 | 0.6 | 42.57 |
| 1.329 | 23.45 | 61.2 | 0.51 | 4.96 | 40.14 | 0.59 | 42.57 |
| 1.334 | 23.45 | 61.2 | 0.51 | 4.97 | 40.05 | 0.59 | 42.57 |
| 1.337 | 23.45 | 61.2 | 0.51 | 4.98 | 40.25 | 0.59 | 42.57 |
| 1.339 | 23.45 | 61.2 | 0.51 | 5.01 | 40.35 | 0.59 | 42.57 |
| 1.341 | 23.45 | 61.2 | 0.51 | 5.06 | 39.95 | 0.6 | 42.57 |
| 1.344 | 23.45 | 61.2 | 0.51 | 5.1 | 40.02 | 0.6 | 42.57 |
| 1.347 | 23.45 | 61.2 | 0.51 | 5.12 | 40.22 | 0.6 | 42.57 |
| 1.351 | 23.45 | 61.2 | 0.51 | 5.12 | 40.29 | 0.6 | 42.57 |
| 1.355 | 23.45 | 61.2 | 0.56 | 5.12 | 40.21 | 0.59 | 42.57 |
| 1.36 | 23.45 | 61.2 | 0.56 | 5.13 | 40.35 | 0.59 | 42.57 |
| 1.366 | 23.45 | 61.2 | 0.56 | 5.14 | 39.96 | 0.59 | 42.57 |
| 1.374 | 23.45 | 61.2 | 0.56 | 5.15 | 39.88 | 0.59 | 42.57 |

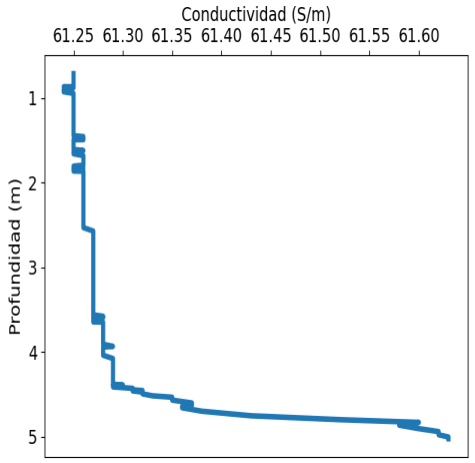
| 1.381 | 23.45 | 61.2 | 0.56 | 5.13 | 39.94 | 0.59 | 42.57 |
|---|---|---|---|---|---|---|---|
| 1.386 | 23.45 | 61.2 | 0.54 | 5.12 | 39.54 | 0.6 | 42.57 |
| 1.391 | 23.45 | 61.2 | 0.54 | 5.1 | 39.26 | 0.6 | 42.57 |
| 1.393 | 23.45 | 61.2 | 0.54 | 5.08 | 39.22 | 0.6 | 42.57 |
| 1.394 | 23.45 | 61.2 | 0.54 | 5.08 | 39.49 | 0.6 | 42.57 |
| 1.396 | 23.45 | 61.2 | 0.51 | 5.09 | 39.72 | 0.6 | 42.57 |
| 1.399 | 23.46 | 61.2 | 0.51 | 5.11 | 39.46 | 0.6 | 42.57 |
| 1.403 | 23.46 | 61.2 | 0.51 | 5.16 | 38.97 | 0.6 | 42.57 |
| 1.404 | 23.46 | 61.2 | 0.51 | 5.22 | 39.53 | 0.6 | 42.57 |
| 1.405 | 23.46 | 61.2 | 0.51 | 5.25 | 39.52 | 0.68 | 42.57 |
| 1.407 | 23.46 | 61.2 | 0.51 | 5.26 | 39.62 | 0.68 | 42.57 |
| 1.409 | 23.46 | 61.2 | 0.51 | 5.27 | 39.4 | 0.68 | 42.57 |
| 1.412 | 23.45 | 61.2 | 0.51 | 5.26 | 39.33 | 0.68 | 42.57 |
| 1.414 | 23.45 | 61.2 | 0.51 | 5.24 | 39.46 | 0.68 | 42.57 |
| 1.417 | 23.45 | 61.2 | 0.51 | 5.23 | 39.83 | 0.6 | 42.57 |
| 1.42 | 23.45 | 61.2 | 0.51 | 5.22 | 39.94 | 0.6 | 42.57 |
| 1.421 | 23.45 | 61.19 | 0.51 | 5.21 | 39.75 | 0.6 | 42.57 |
| 1.423 | 23.45 | 61.19 | 0.51 | 5.21 | 39.69 | 0.6 | 42.57 |
| 1.43 | 23.45 | 61.19 | 0.51 | 5.2 | 39.72 | 0.6 | 42.57 |
| 1.447 | 23.45 | 61.19 | 0.51 | 5.21 | 39.31 | 0.6 | 42.57 |
| 1.456 | 23.45 | 61.19 | 0.51 | 5.23 | 39.37 | 0.6 | 42.57 |
| 1.466 | 23.45 | 61.19 | 0.51 | 5.23 | 39.2 | 0.6 | 42.57 |
| 1.475 | 23.45 | 61.19 | 0.51 | 5.23 | 39.31 | 0.6 | 42.57 |
| 1.48 | 23.45 | 61.19 | 0.54 | 5.22 | 39.28 | 0.59 | 42.57 |
| 1.483 | 23.45 | 61.2 | 0.54 | 5.24 | 39.25 | 0.59 | 42.57 |
| 1.486 | 23.45 | 61.2 | 0.54 | 5.27 | 39.17 | 0.59 | 42.57 |
| 1.491 | 23.45 | 61.2 | 0.54 | 5.3 | 39.22 | 0.59 | 42.57 |
| 1.497 | 23.45 | 61.2 | 0.51 | 5.35 | 39.27 | 0.6 | 42.57 |
| 1.507 | 23.45 | 61.2 | 0.51 | 5.41 | 39.13 | 0.6 | 42.57 |
| 1.518 | 23.45 | 61.2 | 0.51 | 5.45 | 38.91 | 0.6 | 42.57 |
| 1.524 | 23.45 | 61.2 | 0.51 | 5.47 | 39.27 | 0.6 | 42.57 |
| 1.529 | 23.45 | 61.2 | 0.56 | 5.48 | 38.86 | 0.59 | 42.57 |
| 1.534 | 23.45 | 61.2 | 0.56 | 5.49 | 38.91 | 0.59 | 42.57 |
| 1.538 | 23.45 | 61.2 | 0.56 | 5.49 | 39.11 | 0.59 | 42.57 |
| 1.542 | 23.45 | 61.2 | 0.56 | 5.49 | 39.25 | 0.59 | 42.57 |
| 1.546 | 23.45 | 61.2 | 0.56 | 5.49 | 39.33 | 0.59 | 42.57 |
| 1.551 | 23.46 | 61.2 | 0.51 | 5.5 | 38.9 | 0.59 | 42.57 |
| 1.559 | 23.46 | 61.2 | 0.51 | 5.52 | 38.96 | 0.59 | 42.57 |
| 1.565 | 23.46 | 61.2 | 0.51 | 5.55 | 39.01 | 0.59 | 42.57 |
| 1.57 | 23.46 | 61.2 | 0.51 | 5.56 | 39.18 | 0.59 | 42.57 |
| 1.575 | 23.46 | 61.2 | 0.51 | 5.57 | 39.24 | 0.62 | 42.57 |
| 1.579 | 23.46 | 61.2 | 0.51 | 5.58 | 39.33 | 0.62 | 42.57 |
| 1.584 | 23.46 | 61.2 | 0.51 | 5.58 | 39.26 | 0.62 | 42.57 |
| 1.592 | 23.46 | 61.21 | 0.51 | 5.59 | 38.95 | 0.62 | 42.57 |
| 1.6 | 23.46 | 61.21 | 0.51 | 5.6 | 38.86 | 0.62 | 42.57 |
| 1.606 | 23.46 | 61.21 | 0.54 | 5.59 | 39.12 | 0.6 | 42.57 |
| 1.61 | 23.46 | 61.21 | 0.54 | 5.59 | 39.07 | 0.6 | 42.57 |
| 1.612 | 23.46 | 61.21 | 0.54 | 5.61 | 38.91 | 0.6 | 42.57 |
| 1.614 | 23.46 | 61.21 | 0.54 | 5.62 | 39.02 | 0.6 | 42.57 |
| 1.619 | 23.46 | 61.21 | 0.51 | 5.62 | 38.81 | 0.62 | 42.57 |
| 1.627 | 23.46 | 61.21 | 0.51 | 5.62 | 38.77 | 0.62 | 42.57 |
| 1.635 | 23.46 | 61.21 | 0.51 | 5.61 | 39.04 | 0.62 | 42.57 |
| 1.641 | 23.46 | 61.21 | 0.51 | 5.6 | 38.79 | 0.62 | 42.57 |
| 1.649 | 23.46 | 61.21 | 0.51 | 5.62 | 38.72 | 0.6 | 42.57 |
| 1.658 | 23.46 | 61.21 | 0.51 | 5.65 | 39.14 | 0.6 | 42.57 |
| 1.665 | 23.46 | 61.21 | 0.51 | 5.69 | 38.67 | 0.6 | 42.57 |
| 1.67 | 23.46 | 61.21 | 0.51 | 5.73 | 38.49 | 0.6 | 42.57 |
| 1.674 | 23.46 | 61.21 | 0.51 | 5.75 | 38.32 | 0.6 | 42.57 |

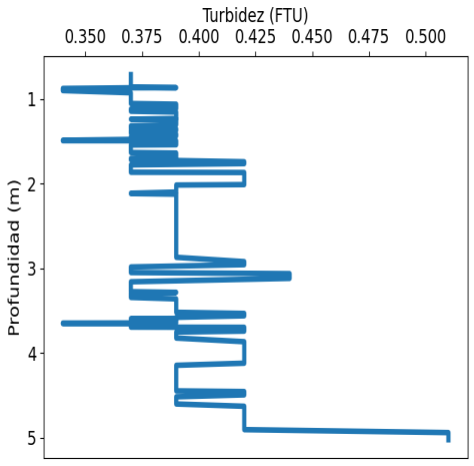
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.69 | 23.46 | 61.21 | 0.51 | 5.75 | 38.31 | 0.58 | 42.57 |
| 1.707 | 23.46 | 61.21 | 0.51 | 5.75 | 38.32 | 0.58 | 42.57 |
| 1.713 | 23.46 | 61.21 | 0.51 | 5.73 | 38.08 | 0.58 | 42.57 |
| 1.72 | 23.46 | 61.21 | 0.51 | 5.72 | 38.28 | 0.58 | 42.57 |
| 1.73 | 23.46 | 61.21 | 0.51 | 5.71 | 37.8 | 0.59 | 42.57 |
| 1.738 | 23.46 | 61.21 | 0.51 | 5.71 | 38.23 | 0.59 | 42.57 |
| 1.742 | 23.46 | 61.21 | 0.51 | 5.7 | 38.29 | 0.59 | 42.57 |
| 1.747 | 23.46 | 61.21 | 0.51 | 5.68 | 38.14 | 0.59 | 42.57 |
| 1.754 | 23.46 | 61.21 | 0.51 | 5.66 | 37.95 | 0.62 | 42.57 |
| 1.763 | 23.46 | 61.21 | 0.51 | 5.65 | 37.73 | 0.62 | 42.57 |
| 1.768 | 23.46 | 61.21 | 0.51 | 5.66 | 37.98 | 0.62 | 42.57 |
| 1.774 | 23.46 | 61.21 | 0.51 | 5.69 | 38.1 | 0.62 | 42.57 |
| 1.78 | 23.46 | 61.21 | 0.51 | 5.73 | 37.94 | 0.62 | 42.57 |
| 1.786 | 23.46 | 61.21 | 0.51 | 5.78 | 37.64 | 0.62 | 42.57 |
| 1.793 | 23.46 | 61.21 | 0.51 | 5.84 | 37.96 | 0.62 | 42.57 |
| 1.799 | 23.46 | 61.21 | 0.51 | 5.87 | 37.99 | 0.62 | 42.57 |
| 1.803 | 23.46 | 61.21 | 0.51 | 5.88 | 37.61 | 0.62 | 42.57 |
| 1.845 | 23.46 | 61.21 | 0.54 | 5.74 | 37.81 | 0.65 | 42.57 |
| 1.855 | 23.46 | 61.21 | 0.54 | 5.71 | 37.85 | 0.65 | 42.57 |
| 1.875 | 23.46 | 61.21 | 0.54 | 5.67 | 37.8 | 0.65 | 42.57 |
| 1.903 | 23.46 | 61.21 | 0.54 | 5.66 | 37.75 | 0.65 | 42.57 |
| 1.929 | 23.46 | 61.21 | 0.51 | 5.67 | 37.61 | 0.6 | 42.57 |
| 1.945 | 23.46 | 61.21 | 0.51 | 5.7 | 37.7 | 0.6 | 42.57 |
| 1.956 | 23.46 | 61.21 | 0.51 | 5.76 | 37.38 | 0.6 | 42.57 |
| 1.96 | 23.46 | 61.21 | 0.51 | 5.82 | 37.3 | 0.6 | 42.57 |
| 1.969 | 23.46 | 61.21 | 0.51 | 5.88 | 37.36 | 0.63 | 42.57 |
| 1.994 | 23.46 | 61.21 | 0.51 | 5.92 | 37.17 | 0.63 | 42.57 |
| 2.013 | 23.46 | 61.21 | 0.51 | 5.93 | 37.17 | 0.63 | 42.57 |
| 2.03 | 23.46 | 61.21 | 0.51 | 5.92 | 36.86 | 0.63 | 42.57 |
| 2.047 | 23.46 | 61.21 | 0.51 | 5.9 | 37.05 | 0.63 | 42.57 |
| 2.054 | 23.46 | 61.21 | 0.54 | 5.88 | 37.12 | 0.64 | 42.57 |
| 2.06 | 23.46 | 61.21 | 0.54 | 5.87 | 36.88 | 0.64 | 42.57 |
| 2.072 | 23.46 | 61.21 | 0.54 | 5.86 | 37.0 | 0.64 | 42.57 |
| 2.09 | 23.46 | 61.2 | 0.54 | 5.87 | 36.62 | 0.64 | 42.57 |
| 2.113 | 23.46 | 61.2 | 0.56 | 5.88 | 36.57 | 0.67 | 42.57 |
| 2.126 | 23.46 | 61.2 | 0.56 | 5.92 | 36.72 | 0.67 | 42.57 |
| 2.134 | 23.45 | 61.2 | 0.56 | 5.95 | 37.32 | 0.67 | 42.57 |
| 2.15 | 23.45 | 61.2 | 0.56 | 5.97 | 37.24 | 0.67 | 42.57 |
| 2.181 | 23.45 | 61.2 | 0.56 | 5.99 | 37.59 | 0.67 | 42.58 |
| 2.208 | 23.45 | 61.2 | 0.56 | 5.99 | 38.19 | 0.63 | 42.57 |
| 2.242 | 23.45 | 61.2 | 0.56 | 5.98 | 38.44 | 0.63 | 42.58 |
| 2.292 | 23.45 | 61.2 | 0.56 | 5.97 | 37.88 | 0.63 | 42.58 |
| 2.333 | 23.45 | 61.2 | 0.56 | 5.97 | 38.6 | 0.63 | 42.58 |
| 2.351 | 23.45 | 61.21 | 0.56 | 6.0 | 39.28 | 0.73 | 42.58 |
| 2.358 | 23.45 | 61.21 | 0.56 | 6.02 | 39.75 | 0.73 | 42.58 |
| 2.36 | 23.45 | 61.21 | 0.56 | 6.03 | 40.89 | 0.73 | 42.58 |
| 2.362 | 23.45 | 61.21 | 0.56 | 6.05 | 42.07 | 0.73 | 42.58 |
| 2.363 | 23.45 | 61.21 | 0.61 | 6.05 | 42.03 | 0.76 | 42.58 |
| 2.364 | 23.45 | 61.21 | 0.61 | 6.05 | 42.31 | 0.76 | 42.58 |

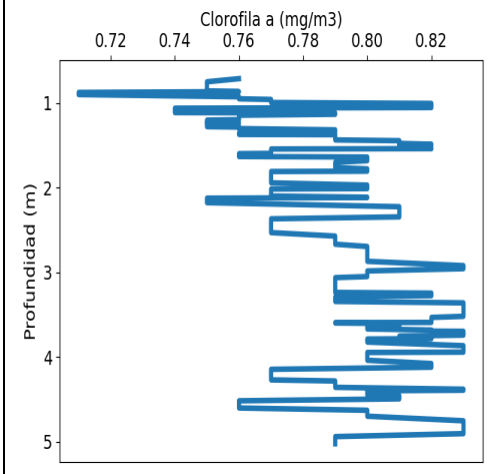
**Nombre: CTD E01 - Punto 005** **Fecha: 19/10/2022** **Hora: 09:10:00**

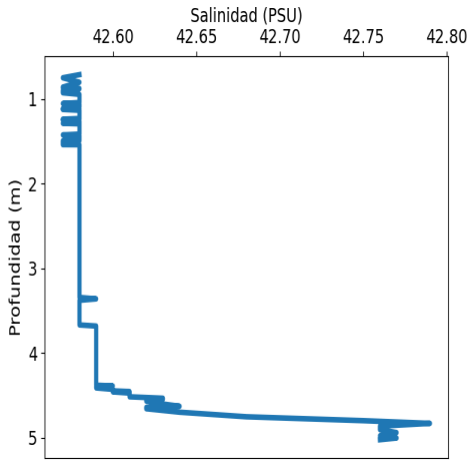


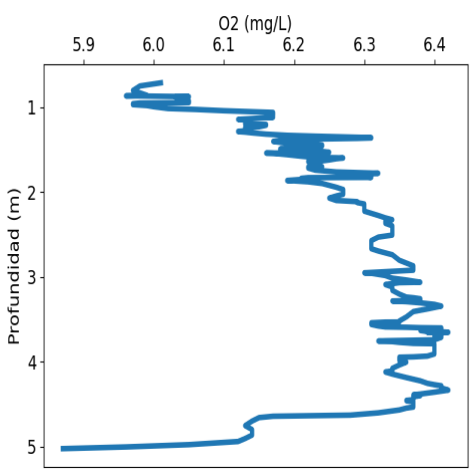



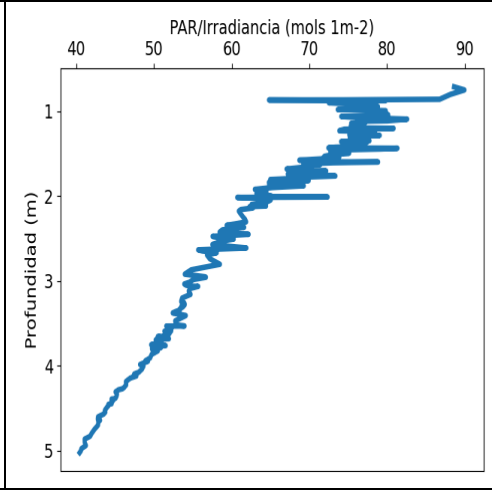




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 23.49 | 61.24 | 0.34 | 5.87 | 40.44 | 0.71 | 42.57 |
| **PROF (metros)** | 0.714 | 0.869 | 0.877 | 5.027 | 5.027 | 0.877 | 0.751 |
| **MÁXIMO** | 23.6 | 23.6 | 0.51 | 6.42 | 89.98 | 0.83 | 42.79 |
| **PROF (metros)** | 5.007 | 5.007 | 4.943 | 3.655 | 0.751 | 2.923 | 4.834 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E01 - Punto 005 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 23.49 | 61.25 | 0.36 | 6.0 | 78.82 | 0.75 | 42.58 |
| 1 - 2m | 23.49 | 61.25 | 0.38 | 6.2 | 73.24 | 0.78 | 42.58 |
| 2 - 3m | 23.5 | 61.26 | 0.39 | 6.31 | 60.22 | 0.79 | 42.58 |
| 3 - 4m | 23.5 | 61.28 | 0.39 | 6.37 | 51.94 | 0.81 | 42.58 |
| 4 - 5m | 23.52 | 61.35 | 0.41 | 6.31 | 44.5 | 0.8 | 42.63 |
| 5 - 6m | 23.6 | 61.63 | 0.51 | 5.92 | 40.52 | 0.79 | 42.77 |

| OBSERVACIONES GENERALES |
|---|
| |

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.714 | 23.49 | 61.25 | 0.37 | 6.01 | 88.63 | 0.76 | 42.58 |
| 0.751 | 23.49 | 61.25 | 0.37 | 5.98 | 89.98 | 0.75 | 42.57 |
| 0.804 | 23.49 | 61.25 | 0.37 | 5.97 | 88.15 | 0.75 | 42.58 |
| 0.861 | 23.49 | 61.25 | 0.37 | 5.99 | 86.78 | 0.75 | 42.57 |
| 0.868 | 23.49 | 61.25 | 0.39 | 5.96 | 74.61 | 0.76 | 42.57 |
| 0.869 | 23.49 | 61.24 | 0.37 | 5.98 | 64.8 | 0.75 | 42.57 |
| 0.877 | 23.49 | 61.25 | 0.34 | 6.05 | 79.84 | 0.71 | 42.58 |
| 0.881 | 23.49 | 61.25 | 0.34 | 6.03 | 75.15 | 0.71 | 42.58 |
| 0.902 | 23.49 | 61.24 | 0.34 | 6.04 | 72.51 | 0.71 | 42.57 |
| 0.928 | 23.49 | 61.24 | 0.37 | 6.05 | 77.98 | 0.76 | 42.57 |
| 0.947 | 23.49 | 61.25 | 0.37 | 6.05 | 78.85 | 0.76 | 42.58 |
| 0.952 | 23.49 | 61.25 | 0.37 | 5.98 | 75.46 | 0.76 | 42.58 |
| 0.96 | 23.49 | 61.25 | 0.37 | 5.97 | 77.78 | 0.77 | 42.58 |
| 0.971 | 23.49 | 61.25 | 0.37 | 5.97 | 77.02 | 0.77 | 42.58 |
| 0.982 | 23.49 | 61.25 | 0.37 | 5.99 | 73.66 | 0.77 | 42.58 |
| 0.996 | 23.49 | 61.25 | 0.37 | 6.0 | 79.85 | 0.77 | 42.58 |
| 1.007 | 23.49 | 61.25 | 0.37 | 6.01 | 79.84 | 0.82 | 42.58 |
| 1.017 | 23.49 | 61.25 | 0.37 | 6.02 | 78.96 | 0.82 | 42.58 |
| 1.028 | 23.49 | 61.25 | 0.37 | 6.06 | 78.9 | 0.82 | 42.58 |
| 1.043 | 23.49 | 61.25 | 0.37 | 6.1 | 80.17 | 0.82 | 42.58 |
| 1.055 | 23.49 | 61.25 | 0.37 | 6.14 | 77.59 | 0.82 | 42.57 |
| 1.063 | 23.49 | 61.25 | 0.39 | 6.17 | 74.11 | 0.74 | 42.58 |
| 1.077 | 23.49 | 61.25 | 0.39 | 6.17 | 76.27 | 0.74 | 42.58 |
| 1.095 | 23.49 | 61.25 | 0.39 | 6.17 | 82.61 | 0.74 | 42.58 |
| 1.115 | 23.49 | 61.25 | 0.39 | 6.16 | 80.05 | 0.74 | 42.57 |
| 1.12 | 23.49 | 61.25 | 0.37 | 6.17 | 76.22 | 0.79 | 42.58 |
| 1.125 | 23.49 | 61.25 | 0.37 | 6.16 | 76.72 | 0.79 | 42.57 |
| 1.135 | 23.49 | 61.25 | 0.37 | 6.14 | 77.17 | 0.79 | 42.58 |
| 1.145 | 23.49 | 61.25 | 0.37 | 6.12 | 75.38 | 0.76 | 42.58 |
| 1.146 | 23.49 | 61.25 | 0.37 | 6.13 | 77.14 | 0.76 | 42.58 |
| 1.156 | 23.49 | 61.25 | 0.39 | 6.13 | 76.18 | 0.76 | 42.58 |
| 1.175 | 23.49 | 61.25 | 0.39 | 6.13 | 75.33 | 0.76 | 42.58 |
| 1.199 | 23.49 | 61.25 | 0.39 | 6.13 | 76.53 | 0.76 | 42.58 |
| 1.204 | 23.49 | 61.25 | 0.39 | 6.16 | 80.87 | 0.75 | 42.58 |
| 1.214 | 23.49 | 61.25 | 0.39 | 6.16 | 74.51 | 0.75 | 42.58 |
| 1.232 | 23.49 | 61.25 | 0.39 | 6.15 | 73.86 | 0.75 | 42.58 |

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|---|---|---|---|---|---|---|---|
| 1.24 | 23.49 | 61.25 | 0.37 | 6.14 | 77.64 | 0.76 | 42.57 |
| 1.241 | 23.49 | 61.25 | 0.39 | 6.13 | 78.49 | 0.75 | 42.58 |
| 1.25 | 23.49 | 61.25 | 0.39 | 6.13 | 77.09 | 0.75 | 42.57 |
| 1.265 | 23.49 | 61.25 | 0.39 | 6.13 | 76.0 | 0.75 | 42.58 |
| 1.281 | 23.49 | 61.25 | 0.39 | 6.13 | 75.15 | 0.75 | 42.58 |
| 1.286 | 23.49 | 61.25 | 0.39 | 6.12 | 79.08 | 0.76 | 42.58 |
| 1.289 | 23.49 | 61.25 | 0.39 | 6.12 | 75.84 | 0.76 | 42.57 |
| 1.295 | 23.49 | 61.25 | 0.39 | 6.13 | 75.82 | 0.76 | 42.58 |
| 1.304 | 23.49 | 61.25 | 0.39 | 6.14 | 77.64 | 0.76 | 42.58 |
| 1.319 | 23.49 | 61.25 | 0.37 | 6.16 | 75.21 | 0.79 | 42.58 |
| 1.333 | 23.49 | 61.25 | 0.37 | 6.19 | 75.52 | 0.79 | 42.58 |
| 1.343 | 23.49 | 61.25 | 0.37 | 6.23 | 77.12 | 0.79 | 42.58 |
| 1.349 | 23.49 | 61.25 | 0.37 | 6.26 | 77.76 | 0.79 | 42.58 |
| 1.355 | 23.49 | 61.25 | 0.39 | 6.29 | 76.88 | 0.76 | 42.58 |
| 1.36 | 23.49 | 61.25 | 0.39 | 6.31 | 74.09 | 0.76 | 42.58 |
| 1.364 | 23.49 | 61.25 | 0.39 | 6.31 | 77.25 | 0.76 | 42.58 |
| 1.369 | 23.49 | 61.25 | 0.39 | 6.29 | 77.44 | 0.76 | 42.58 |
| 1.373 | 23.49 | 61.25 | 0.39 | 6.26 | 75.26 | 0.76 | 42.58 |
| 1.376 | 23.49 | 61.25 | 0.37 | 6.23 | 76.14 | 0.79 | 42.58 |
| 1.381 | 23.49 | 61.25 | 0.37 | 6.2 | 74.82 | 0.79 | 42.58 |
| 1.391 | 23.49 | 61.25 | 0.37 | 6.18 | 76.58 | 0.79 | 42.58 |
| 1.405 | 23.49 | 61.25 | 0.37 | 6.17 | 76.32 | 0.79 | 42.58 |
| 1.416 | 23.49 | 61.25 | 0.39 | 6.18 | 76.47 | 0.79 | 42.58 |
| 1.426 | 23.49 | 61.25 | 0.39 | 6.19 | 73.37 | 0.79 | 42.57 |
| 1.434 | 23.49 | 61.25 | 0.39 | 6.22 | 72.45 | 0.79 | 42.58 |
| 1.438 | 23.49 | 61.25 | 0.39 | 6.23 | 81.36 | 0.79 | 42.58 |
| 1.447 | 23.49 | 61.25 | 0.37 | 6.24 | 79.14 | 0.81 | 42.58 |
| 1.458 | 23.49 | 61.26 | 0.37 | 6.24 | 73.95 | 0.81 | 42.58 |
| 1.466 | 23.49 | 61.26 | 0.37 | 6.23 | 74.9 | 0.81 | 42.58 |
| 1.47 | 23.49 | 61.26 | 0.37 | 6.23 | 72.68 | 0.81 | 42.58 |
| 1.479 | 23.5 | 61.26 | 0.37 | 6.22 | 73.22 | 0.81 | 42.58 |
| 1.489 | 23.5 | 61.26 | 0.34 | 6.2 | 72.97 | 0.82 | 42.58 |
| 1.493 | 23.5 | 61.26 | 0.34 | 6.18 | 73.56 | 0.82 | 42.58 |
| 1.494 | 23.5 | 61.26 | 0.34 | 6.18 | 73.9 | 0.82 | 42.58 |
| 1.495 | 23.5 | 61.25 | 0.39 | 6.2 | 75.15 | 0.81 | 42.57 |
| 1.513 | 23.49 | 61.25 | 0.39 | 6.23 | 73.03 | 0.81 | 42.57 |
| 1.533 | 23.49 | 61.25 | 0.39 | 6.25 | 71.96 | 0.82 | 42.57 |
| 1.541 | 23.49 | 61.25 | 0.39 | 6.23 | 71.87 | 0.82 | 42.57 |
| 1.542 | 23.49 | 61.25 | 0.39 | 6.16 | 73.88 | 0.81 | 42.58 |
| 1.545 | 23.49 | 61.25 | 0.37 | 6.17 | 73.1 | 0.77 | 42.58 |
| 1.561 | 23.49 | 61.25 | 0.37 | 6.19 | 72.01 | 0.77 | 42.58 |
| 1.579 | 23.49 | 61.25 | 0.37 | 6.21 | 68.71 | 0.77 | 42.58 |
| 1.594 | 23.49 | 61.25 | 0.37 | 6.23 | 73.86 | 0.77 | 42.58 |
| 1.597 | 23.49 | 61.25 | 0.37 | 6.26 | 70.44 | 0.77 | 42.58 |
| 1.6 | 23.49 | 61.25 | 0.37 | 6.27 | 78.87 | 0.76 | 42.58 |
| 1.609 | 23.49 | 61.25 | 0.37 | 6.26 | 73.05 | 0.76 | 42.58 |
| 1.623 | 23.49 | 61.26 | 0.37 | 6.25 | 69.22 | 0.76 | 42.58 |
| 1.634 | 23.49 | 61.25 | 0.37 | 6.24 | 71.38 | 0.76 | 42.58 |
| 1.64 | 23.49 | 61.25 | 0.39 | 6.22 | 69.59 | 0.8 | 42.58 |
| 1.644 | 23.49 | 61.25 | 0.39 | 6.22 | 70.44 | 0.8 | 42.58 |
| 1.66 | 23.49 | 61.25 | 0.39 | 6.23 | 69.42 | 0.8 | 42.58 |
| 1.683 | 23.49 | 61.26 | 0.39 | 6.23 | 67.07 | 0.8 | 42.58 |
| 1.703 | 23.49 | 61.26 | 0.37 | 6.24 | 68.65 | 0.79 | 42.58 |
| 1.706 | 23.49 | 61.26 | 0.37 | 6.22 | 72.18 | 0.79 | 42.58 |
| 1.719 | 23.5 | 61.26 | 0.37 | 6.22 | 68.59 | 0.79 | 42.58 |
| 1.743 | 23.5 | 61.26 | 0.42 | 6.23 | 67.22 | 0.79 | 42.58 |
| 1.765 | 23.49 | 61.26 | 0.42 | 6.26 | 73.37 | 0.79 | 42.58 |
| 1.78 | 23.49 | 61.26 | 0.37 | 6.32 | 68.88 | 0.8 | 42.58 |

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|---|---|---|---|---|---|---|---|
| 1.784 | 23.49 | 61.26 | 0.37 | 6.31 | 68.55 | 0.8 | 42.58 |
| 1.795 | 23.49 | 61.26 | 0.37 | 6.3 | 67.76 | 0.8 | 42.58 |
| 1.807 | 23.49 | 61.25 | 0.37 | 6.29 | 64.97 | 0.8 | 42.58 |
| 1.811 | 23.49 | 61.25 | 0.37 | 6.29 | 66.93 | 0.77 | 42.58 |
| 1.818 | 23.49 | 61.25 | 0.37 | 6.3 | 69.94 | 0.77 | 42.58 |
| 1.829 | 23.49 | 61.26 | 0.37 | 6.31 | 65.76 | 0.77 | 42.58 |
| 1.832 | 23.49 | 61.25 | 0.37 | 6.22 | 67.07 | 0.77 | 42.58 |
| 1.84 | 23.49 | 61.25 | 0.37 | 6.21 | 64.79 | 0.77 | 42.58 |
| 1.853 | 23.49 | 61.25 | 0.37 | 6.21 | 65.61 | 0.77 | 42.58 |
| 1.865 | 23.49 | 61.25 | 0.37 | 6.19 | 64.82 | 0.77 | 42.58 |
| 1.867 | 23.49 | 61.26 | 0.37 | 6.19 | 67.38 | 0.77 | 42.58 |
| 1.87 | 23.49 | 61.26 | 0.42 | 6.2 | 65.93 | 0.77 | 42.58 |
| 1.881 | 23.49 | 61.26 | 0.42 | 6.22 | 69.3 | 0.77 | 42.58 |
| 1.901 | 23.49 | 61.26 | 0.42 | 6.24 | 65.26 | 0.77 | 42.58 |
| 1.923 | 23.49 | 61.26 | 0.42 | 6.25 | 62.98 | 0.77 | 42.58 |
| 1.945 | 23.49 | 61.26 | 0.42 | 6.26 | 64.49 | 0.77 | 42.58 |
| 1.972 | 23.49 | 61.26 | 0.42 | 6.27 | 63.19 | 0.8 | 42.58 |
| 1.998 | 23.5 | 61.26 | 0.42 | 6.27 | 65.09 | 0.8 | 42.58 |
| 2.009 | 23.5 | 61.26 | 0.42 | 6.27 | 64.9 | 0.8 | 42.58 |
| 2.013 | 23.5 | 61.26 | 0.42 | 6.27 | 72.37 | 0.8 | 42.58 |
| 2.018 | 23.5 | 61.26 | 0.39 | 6.27 | 60.72 | 0.77 | 42.58 |
| 2.028 | 23.5 | 61.26 | 0.39 | 6.27 | 63.53 | 0.77 | 42.58 |
| 2.048 | 23.49 | 61.26 | 0.39 | 6.26 | 65.04 | 0.77 | 42.58 |
| 2.073 | 23.49 | 61.26 | 0.39 | 6.25 | 64.51 | 0.77 | 42.58 |
| 2.101 | 23.49 | 61.26 | 0.39 | 6.26 | 62.56 | 0.77 | 42.58 |
| 2.115 | 23.5 | 61.26 | 0.37 | 6.29 | 63.55 | 0.8 | 42.58 |
| 2.119 | 23.5 | 61.26 | 0.37 | 6.29 | 64.44 | 0.8 | 42.58 |
| 2.126 | 23.5 | 61.26 | 0.39 | 6.29 | 62.31 | 0.75 | 42.58 |
| 2.142 | 23.49 | 61.26 | 0.39 | 6.3 | 62.75 | 0.75 | 42.58 |
| 2.161 | 23.49 | 61.26 | 0.39 | 6.3 | 61.18 | 0.75 | 42.58 |
| 2.179 | 23.49 | 61.26 | 0.39 | 6.3 | 60.92 | 0.75 | 42.58 |
| 2.227 | 23.5 | 61.26 | 0.39 | 6.3 | 61.29 | 0.81 | 42.58 |
| 2.278 | 23.5 | 61.26 | 0.39 | 6.32 | 61.74 | 0.81 | 42.58 |
| 2.306 | 23.5 | 61.26 | 0.39 | 6.33 | 61.88 | 0.81 | 42.58 |
| 2.328 | 23.5 | 61.26 | 0.39 | 6.34 | 60.6 | 0.81 | 42.58 |
| 2.347 | 23.5 | 61.26 | 0.39 | 6.33 | 59.35 | 0.81 | 42.58 |
| 2.37 | 23.5 | 61.26 | 0.39 | 6.33 | 61.62 | 0.77 | 42.58 |
| 2.4 | 23.5 | 61.26 | 0.39 | 6.34 | 58.82 | 0.77 | 42.58 |
| 2.427 | 23.5 | 61.26 | 0.39 | 6.34 | 58.45 | 0.77 | 42.58 |
| 2.453 | 23.5 | 61.26 | 0.39 | 6.34 | 62.2 | 0.77 | 42.58 |
| 2.477 | 23.5 | 61.26 | 0.39 | 6.34 | 57.54 | 0.77 | 42.58 |
| 2.493 | 23.5 | 61.26 | 0.39 | 6.34 | 58.37 | 0.77 | 42.58 |
| 2.509 | 23.5 | 61.26 | 0.39 | 6.34 | 60.28 | 0.77 | 42.58 |
| 2.533 | 23.5 | 61.26 | 0.39 | 6.32 | 58.74 | 0.77 | 42.58 |
| 2.574 | 23.5 | 61.27 | 0.39 | 6.31 | 57.51 | 0.79 | 42.58 |
| 2.614 | 23.5 | 61.27 | 0.39 | 6.31 | 61.91 | 0.79 | 42.58 |
| 2.636 | 23.5 | 61.27 | 0.39 | 6.31 | 55.69 | 0.79 | 42.58 |
| 2.649 | 23.5 | 61.27 | 0.39 | 6.31 | 56.23 | 0.79 | 42.58 |
| 2.67 | 23.5 | 61.27 | 0.39 | 6.31 | 58.09 | 0.79 | 42.58 |
| 2.697 | 23.5 | 61.27 | 0.39 | 6.32 | 56.83 | 0.8 | 42.58 |
| 2.741 | 23.5 | 61.27 | 0.39 | 6.34 | 57.19 | 0.8 | 42.58 |
| 2.806 | 23.5 | 61.27 | 0.39 | 6.35 | 58.5 | 0.8 | 42.58 |
| 2.872 | 23.5 | 61.27 | 0.39 | 6.37 | 54.8 | 0.8 | 42.58 |
| 2.923 | 23.5 | 61.27 | 0.42 | 6.37 | 53.96 | 0.83 | 42.58 |
| 2.954 | 23.5 | 61.27 | 0.42 | 6.3 | 56.59 | 0.83 | 42.58 |
| 2.959 | 23.5 | 61.27 | 0.42 | 6.31 | 56.7 | 0.83 | 42.58 |
| 2.986 | 23.5 | 61.27 | 0.37 | 6.33 | 55.09 | 0.8 | 42.58 |
| 3.017 | 23.5 | 61.27 | 0.37 | 6.34 | 54.6 | 0.8 | 42.58 |

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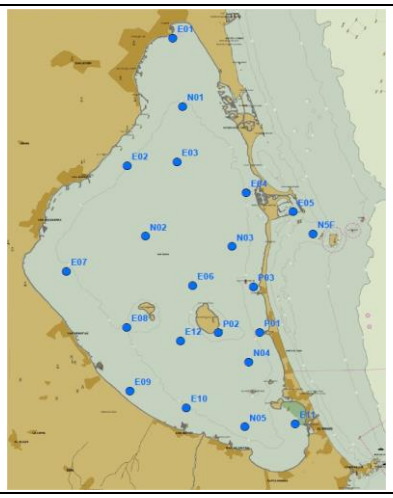
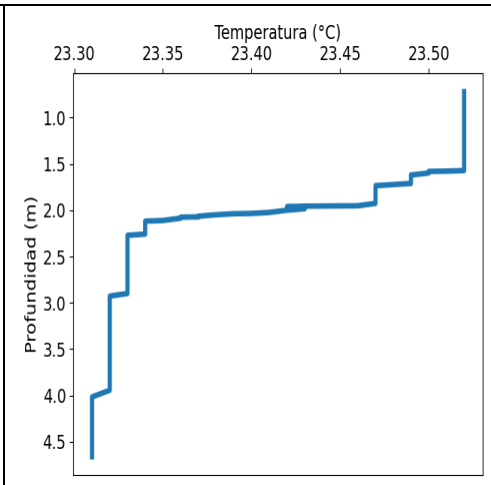
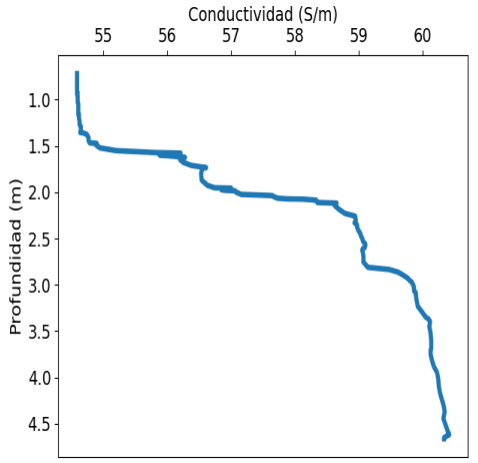
|---|---|---|---|---|---|---|---|
| 3.039 | 23.5 | 61.27 | 0.37 | 6.36 | 53.9 | 0.8 | 42.58 |
| 3.052 | 23.5 | 61.27 | 0.37 | 6.37 | 54.12 | 0.8 | 42.58 |
| 3.065 | 23.5 | 61.27 | 0.44 | 6.38 | 54.82 | 0.79 | 42.58 |
| 3.067 | 23.5 | 61.27 | 0.44 | 6.37 | 55.71 | 0.79 | 42.58 |
| 3.07 | 23.5 | 61.27 | 0.44 | 6.35 | 55.56 | 0.79 | 42.58 |
| 3.092 | 23.5 | 61.27 | 0.44 | 6.33 | 54.66 | 0.79 | 42.58 |
| 3.121 | 23.5 | 61.27 | 0.44 | 6.34 | 54.48 | 0.79 | 42.58 |
| 3.161 | 23.5 | 61.27 | 0.37 | 6.34 | 54.72 | 0.79 | 42.58 |
| 3.205 | 23.5 | 61.27 | 0.37 | 6.35 | 53.62 | 0.79 | 42.58 |
| 3.24 | 23.5 | 61.27 | 0.37 | 6.36 | 53.51 | 0.79 | 42.58 |
| 3.248 | 23.5 | 61.27 | 0.37 | 6.37 | 53.51 | 0.82 | 42.58 |
| 3.26 | 23.5 | 61.27 | 0.37 | 6.38 | 53.89 | 0.82 | 42.58 |
| 3.278 | 23.5 | 61.27 | 0.37 | 6.38 | 53.98 | 0.82 | 42.58 |
| 3.286 | 23.5 | 61.27 | 0.39 | 6.34 | 53.95 | 0.8 | 42.58 |
| 3.294 | 23.5 | 61.27 | 0.37 | 6.36 | 53.56 | 0.79 | 42.58 |
| 3.308 | 23.5 | 61.27 | 0.37 | 6.38 | 53.75 | 0.79 | 42.58 |
| 3.326 | 23.5 | 61.27 | 0.37 | 6.4 | 53.39 | 0.79 | 42.58 |
| 3.346 | 23.5 | 61.27 | 0.37 | 6.41 | 53.34 | 0.79 | 42.58 |
| 3.363 | 23.5 | 61.27 | 0.39 | 6.4 | 52.82 | 0.83 | 42.59 |
| 3.38 | 23.5 | 61.27 | 0.39 | 6.39 | 52.41 | 0.83 | 42.58 |
| 3.411 | 23.5 | 61.27 | 0.39 | 6.37 | 54.11 | 0.83 | 42.58 |
| 3.474 | 23.5 | 61.27 | 0.39 | 6.36 | 52.73 | 0.83 | 42.58 |
| 3.522 | 23.5 | 61.27 | 0.39 | 6.35 | 52.86 | 0.83 | 42.58 |
| 3.534 | 23.5 | 61.27 | 0.42 | 6.35 | 53.95 | 0.82 | 42.58 |
| 3.535 | 23.5 | 61.27 | 0.42 | 6.33 | 51.58 | 0.82 | 42.58 |
| 3.543 | 23.5 | 61.27 | 0.42 | 6.31 | 52.16 | 0.82 | 42.58 |
| 3.563 | 23.5 | 61.27 | 0.42 | 6.31 | 52.27 | 0.82 | 42.58 |
| 3.581 | 23.5 | 61.28 | 0.39 | 6.32 | 51.83 | 0.82 | 42.58 |
| 3.592 | 23.5 | 61.27 | 0.39 | 6.33 | 52.04 | 0.82 | 42.58 |
| 3.594 | 23.5 | 61.28 | 0.39 | 6.35 | 52.22 | 0.82 | 42.58 |
| 3.596 | 23.5 | 61.27 | 0.37 | 6.36 | 51.34 | 0.79 | 42.58 |
| 3.601 | 23.5 | 61.27 | 0.37 | 6.38 | 51.76 | 0.79 | 42.58 |
| 3.604 | 23.5 | 61.27 | 0.39 | 6.41 | 51.8 | 0.8 | 42.58 |
| 3.623 | 23.5 | 61.27 | 0.39 | 6.4 | 52.01 | 0.8 | 42.58 |
| 3.634 | 23.5 | 61.27 | 0.39 | 6.38 | 51.77 | 0.81 | 42.58 |
| 3.647 | 23.5 | 61.27 | 0.39 | 6.39 | 51.56 | 0.81 | 42.58 |
| 3.649 | 23.5 | 61.28 | 0.34 | 6.41 | 51.27 | 0.8 | 42.58 |
| 3.655 | 23.5 | 61.28 | 0.34 | 6.42 | 51.78 | 0.8 | 42.58 |
| 3.656 | 23.5 | 61.28 | 0.37 | 6.39 | 51.52 | 0.8 | 42.58 |
| 3.658 | 23.5 | 61.28 | 0.37 | 6.4 | 50.49 | 0.8 | 42.58 |
| 3.671 | 23.5 | 61.28 | 0.37 | 6.41 | 51.2 | 0.8 | 42.58 |
| 3.684 | 23.5 | 61.28 | 0.37 | 6.41 | 51.94 | 0.82 | 42.59 |
| 3.69 | 23.5 | 61.28 | 0.37 | 6.4 | 50.58 | 0.82 | 42.59 |
| 3.693 | 23.5 | 61.28 | 0.37 | 6.4 | 50.3 | 0.82 | 42.59 |
| 3.697 | 23.5 | 61.28 | 0.37 | 6.4 | 50.55 | 0.82 | 42.59 |
| 3.699 | 23.5 | 61.28 | 0.42 | 6.4 | 50.22 | 0.83 | 42.59 |
| 3.701 | 23.5 | 61.28 | 0.42 | 6.4 | 51.06 | 0.83 | 42.59 |
| 3.714 | 23.5 | 61.28 | 0.42 | 6.41 | 50.79 | 0.83 | 42.59 |
| 3.744 | 23.5 | 61.28 | 0.42 | 6.4 | 50.12 | 0.83 | 42.59 |
| 3.755 | 23.5 | 61.28 | 0.39 | 6.33 | 49.63 | 0.81 | 42.59 |
| 3.758 | 23.5 | 61.28 | 0.39 | 6.32 | 50.23 | 0.81 | 42.59 |
| 3.765 | 23.5 | 61.28 | 0.39 | 6.34 | 51.52 | 0.81 | 42.59 |
| 3.774 | 23.5 | 61.28 | 0.39 | 6.35 | 50.18 | 0.82 | 42.59 |
| 3.786 | 23.5 | 61.28 | 0.39 | 6.37 | 50.22 | 0.82 | 42.59 |
| 3.79 | 23.5 | 61.28 | 0.39 | 6.4 | 50.89 | 0.8 | 42.59 |
| 3.795 | 23.5 | 61.28 | 0.39 | 6.4 | 49.74 | 0.8 | 42.59 |
| 3.806 | 23.5 | 61.28 | 0.39 | 6.4 | 49.75 | 0.8 | 42.59 |
| 3.826 | 23.5 | 61.28 | 0.39 | 6.4 | 50.52 | 0.8 | 42.59 |

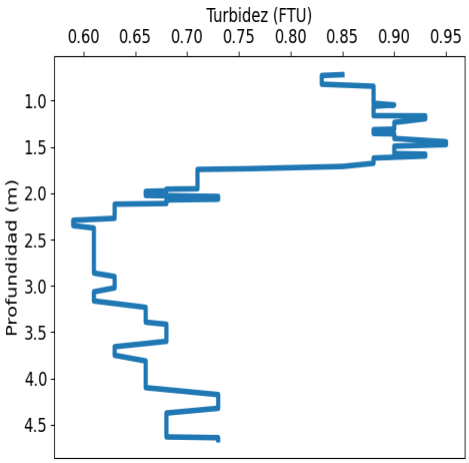
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3.869 | 23.5 | 61.28 | 0.42 | 6.4 | 49.7 | 0.83 | 42.59 |
| 3.911 | 23.5 | 61.28 | 0.42 | 6.4 | 49.51 | 0.83 | 42.59 |
| 3.936 | 23.5 | 61.29 | 0.42 | 6.39 | 49.04 | 0.83 | 42.59 |
| 3.945 | 23.5 | 61.28 | 0.42 | 6.37 | 48.89 | 0.83 | 42.59 |
| 3.949 | 23.5 | 61.28 | 0.42 | 6.35 | 49.24 | 0.8 | 42.59 |
| 3.967 | 23.51 | 61.28 | 0.42 | 6.35 | 48.78 | 0.8 | 42.59 |
| 3.988 | 23.5 | 61.28 | 0.42 | 6.35 | 48.21 | 0.8 | 42.59 |
| 4.007 | 23.5 | 61.28 | 0.42 | 6.36 | 48.66 | 0.8 | 42.59 |
| 4.041 | 23.5 | 61.28 | 0.42 | 6.35 | 48.47 | 0.8 | 42.59 |
| 4.08 | 23.5 | 61.29 | 0.42 | 6.34 | 48.04 | 0.82 | 42.59 |
| 4.099 | 23.5 | 61.29 | 0.42 | 6.34 | 47.48 | 0.82 | 42.59 |
| 4.11 | 23.51 | 61.29 | 0.42 | 6.34 | 47.41 | 0.82 | 42.59 |
| 4.123 | 23.51 | 61.29 | 0.42 | 6.33 | 47.75 | 0.82 | 42.59 |
| 4.148 | 23.51 | 61.29 | 0.39 | 6.34 | 46.96 | 0.77 | 42.59 |
| 4.189 | 23.51 | 61.29 | 0.39 | 6.36 | 46.39 | 0.77 | 42.59 |
| 4.228 | 23.51 | 61.29 | 0.39 | 6.38 | 46.43 | 0.77 | 42.59 |
| 4.257 | 23.51 | 61.29 | 0.39 | 6.39 | 46.17 | 0.77 | 42.59 |
| 4.273 | 23.51 | 61.29 | 0.39 | 6.4 | 45.97 | 0.77 | 42.59 |
| 4.286 | 23.51 | 61.29 | 0.39 | 6.41 | 45.44 | 0.79 | 42.59 |
| 4.311 | 23.51 | 61.29 | 0.39 | 6.41 | 45.05 | 0.79 | 42.59 |
| 4.337 | 23.51 | 61.29 | 0.39 | 6.42 | 45.25 | 0.79 | 42.59 |
| 4.361 | 23.51 | 61.29 | 0.39 | 6.4 | 45.19 | 0.79 | 42.59 |
| 4.383 | 23.51 | 61.29 | 0.39 | 6.38 | 45.08 | 0.83 | 42.59 |
| 4.392 | 23.51 | 61.3 | 0.39 | 6.37 | 44.85 | 0.83 | 42.6 |
| 4.395 | 23.51 | 61.3 | 0.39 | 6.38 | 44.54 | 0.83 | 42.59 |
| 4.402 | 23.51 | 61.29 | 0.39 | 6.38 | 44.65 | 0.8 | 42.59 |
| 4.415 | 23.51 | 61.29 | 0.39 | 6.37 | 44.74 | 0.8 | 42.59 |
| 4.432 | 23.51 | 61.31 | 0.39 | 6.37 | 44.5 | 0.8 | 42.6 |
| 4.45 | 23.51 | 61.31 | 0.39 | 6.37 | 44.56 | 0.8 | 42.6 |
| 4.458 | 23.51 | 61.32 | 0.42 | 6.36 | 44.13 | 0.81 | 42.61 |
| 4.462 | 23.51 | 61.31 | 0.42 | 6.36 | 44.13 | 0.81 | 42.6 |
| 4.476 | 23.51 | 61.32 | 0.42 | 6.37 | 44.11 | 0.81 | 42.61 |
| 4.497 | 23.51 | 61.32 | 0.42 | 6.37 | 43.92 | 0.81 | 42.61 |
| 4.52 | 23.51 | 61.33 | 0.39 | 6.37 | 43.73 | 0.76 | 42.61 |
| 4.537 | 23.51 | 61.35 | 0.39 | 6.37 | 43.66 | 0.76 | 42.63 |
| 4.549 | 23.52 | 61.35 | 0.39 | 6.36 | 43.75 | 0.76 | 42.63 |
| 4.571 | 23.52 | 61.35 | 0.39 | 6.35 | 43.55 | 0.76 | 42.62 |
| 4.605 | 23.52 | 61.37 | 0.39 | 6.32 | 42.8 | 0.76 | 42.63 |
| 4.632 | 23.52 | 61.37 | 0.42 | 6.28 | 42.77 | 0.8 | 42.64 |
| 4.645 | 23.53 | 61.36 | 0.42 | 6.17 | 43.08 | 0.8 | 42.62 |
| 4.661 | 23.53 | 61.36 | 0.42 | 6.15 | 42.85 | 0.8 | 42.62 |
| 4.702 | 23.53 | 61.38 | 0.42 | 6.14 | 42.81 | 0.8 | 42.64 |
| 4.756 | 23.53 | 61.43 | 0.42 | 6.13 | 42.31 | 0.83 | 42.68 |
| 4.802 | 23.54 | 61.52 | 0.42 | 6.14 | 41.97 | 0.83 | 42.75 |
| 4.834 | 23.55 | 61.6 | 0.42 | 6.14 | 41.78 | 0.83 | 42.79 |
| 4.867 | 23.57 | 61.58 | 0.42 | 6.14 | 41.08 | 0.83 | 42.76 |
| 4.908 | 23.58 | 61.6 | 0.42 | 6.13 | 41.09 | 0.83 | 42.76 |
| 4.943 | 23.59 | 61.62 | 0.51 | 6.12 | 41.25 | 0.79 | 42.77 |
| 4.98 | 23.59 | 61.62 | 0.51 | 6.05 | 40.66 | 0.79 | 42.76 |
| 5.007 | 23.6 | 61.63 | 0.51 | 5.96 | 40.59 | 0.79 | 42.77 |
| 5.027 | 23.6 | 61.63 | 0.51 | 5.87 | 40.44 | 0.79 | 42.76 |

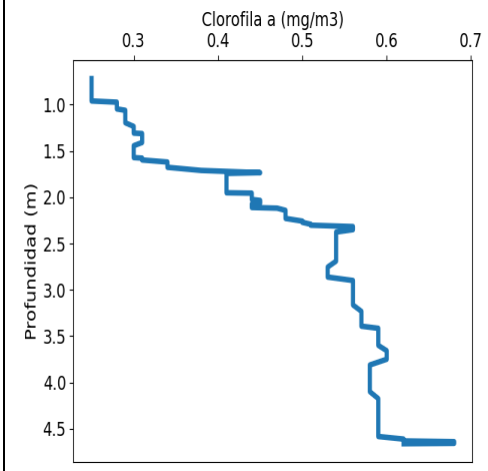
**Nombre: CTD E05 - Punto 006** **Fecha: 19/10/2022** **Hora: 09:10:36**

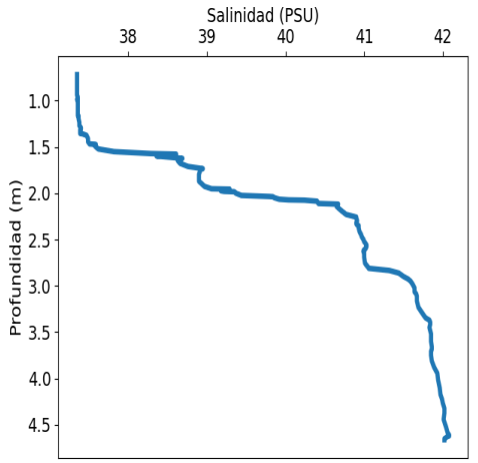


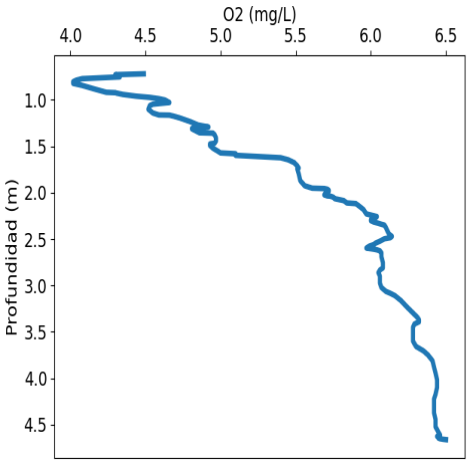



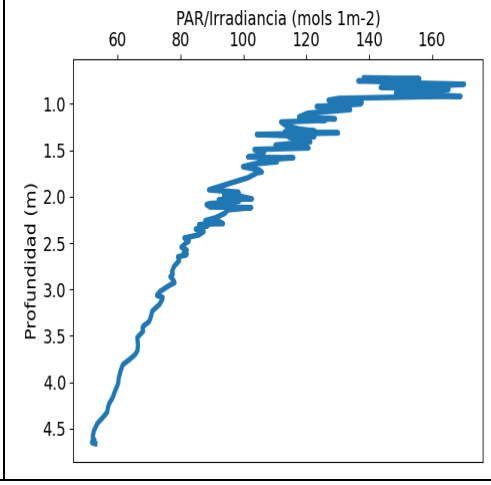



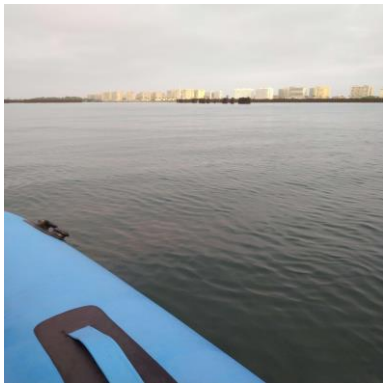



| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 23.31 | 54.59 | 0.59 | 4.02 | 51.91 | 0.25 | 37.35 |
| **PROF (metros)** | 4.016 | 0.72 | 2.291 | 0.805 | 4.645 | 0.72 | 0.72 |
| **MÁXIMO** | 23.52 | 23.52 | 0.95 | 6.5 | 170.16 | 0.68 | 42.08 |
| **PROF (metros)** | 0.72 | 4.611 | 1.444 | 4.661 | 0.789 | 4.639 | 4.611 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E05 - Punto 006 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 23.52 | 54.59 | 0.86 | 4.26 | 148.62 | 0.26 | 37.35 |
| 1 - 2m | 23.5 | 55.43 | 0.86 | 5.07 | 111.87 | 0.33 | 38.02 |
| 2 - 3m | 23.34 | 58.81 | 0.63 | 5.98 | 86.15 | 0.51 | 40.79 |
| 3 - 4m | 23.32 | 60.05 | 0.65 | 6.28 | 68.13 | 0.58 | 41.79 |
| 4 - 5m | 23.31 | 60.34 | 0.7 | 6.44 | 54.3 | 0.62 | 42.03 |

| OBSERVACIONES GENERALES |
|---|
| |

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.72 | 23.52 | 54.59 | 0.85 | 4.49 | 138.36 | 0.25 | 37.35 |
| 0.729 | 23.52 | 54.59 | 0.83 | 4.3 | 155.93 | 0.25 | 37.35 |
| 0.734 | 23.52 | 54.59 | 0.83 | 4.31 | 148.09 | 0.25 | 37.35 |
| 0.753 | 23.52 | 54.59 | 0.83 | 4.33 | 136.5 | 0.25 | 37.35 |
| 0.768 | 23.52 | 54.59 | 0.83 | 4.12 | 151.64 | 0.25 | 37.35 |
| 0.772 | 23.52 | 54.59 | 0.83 | 4.08 | 147.86 | 0.25 | 37.35 |
| 0.789 | 23.52 | 54.59 | 0.83 | 4.04 | 170.16 | 0.25 | 37.35 |
| 0.805 | 23.52 | 54.59 | 0.83 | 4.02 | 162.45 | 0.25 | 37.35 |
| 0.823 | 23.52 | 54.59 | 0.83 | 4.02 | 143.64 | 0.25 | 37.35 |
| 0.845 | 23.52 | 54.59 | 0.88 | 4.08 | 165.23 | 0.25 | 37.35 |
| 0.883 | 23.52 | 54.59 | 0.88 | 4.16 | 148.47 | 0.25 | 37.35 |
| 0.919 | 23.52 | 54.59 | 0.88 | 4.24 | 169.05 | 0.25 | 37.35 |
| 0.923 | 23.52 | 54.6 | 0.88 | 4.3 | 156.92 | 0.25 | 37.35 |
| 0.928 | 23.52 | 54.6 | 0.88 | 4.31 | 149.81 | 0.25 | 37.35 |
| 0.942 | 23.52 | 54.59 | 0.88 | 4.35 | 130.32 | 0.25 | 37.35 |
| 0.961 | 23.52 | 54.6 | 0.88 | 4.44 | 127.07 | 0.25 | 37.36 |
| 0.974 | 23.52 | 54.6 | 0.88 | 4.53 | 135.94 | 0.28 | 37.36 |
| 0.988 | 23.52 | 54.6 | 0.88 | 4.59 | 137.64 | 0.28 | 37.35 |
| 1.002 | 23.52 | 54.6 | 0.88 | 4.63 | 137.25 | 0.28 | 37.36 |
| 1.029 | 23.52 | 54.6 | 0.88 | 4.66 | 123.28 | 0.28 | 37.36 |
| 1.047 | 23.52 | 54.61 | 0.9 | 4.55 | 130.15 | 0.28 | 37.36 |
| 1.062 | 23.52 | 54.61 | 0.88 | 4.53 | 133.97 | 0.29 | 37.36 |
| 1.102 | 23.52 | 54.61 | 0.88 | 4.52 | 120.41 | 0.29 | 37.36 |
| 1.142 | 23.52 | 54.61 | 0.88 | 4.55 | 117.66 | 0.29 | 37.36 |
| 1.163 | 23.52 | 54.61 | 0.88 | 4.59 | 129.16 | 0.29 | 37.36 |
| 1.165 | 23.52 | 54.62 | 0.93 | 4.66 | 121.54 | 0.29 | 37.37 |
| 1.177 | 23.52 | 54.62 | 0.93 | 4.69 | 126.05 | 0.29 | 37.37 |
| 1.196 | 23.52 | 54.62 | 0.93 | 4.73 | 111.99 | 0.29 | 37.37 |
| 1.236 | 23.52 | 54.63 | 0.9 | 4.8 | 113.61 | 0.3 | 37.38 |
| 1.271 | 23.52 | 54.63 | 0.9 | 4.85 | 117.64 | 0.3 | 37.38 |
| 1.293 | 23.52 | 54.65 | 0.9 | 4.92 | 122.71 | 0.3 | 37.4 |
| 1.298 | 23.52 | 54.65 | 0.9 | 4.89 | 113.24 | 0.3 | 37.4 |
| 1.306 | 23.52 | 54.65 | 0.9 | 4.83 | 122.02 | 0.3 | 37.4 |
| 1.308 | 23.52 | 54.65 | 0.9 | 4.81 | 122.23 | 0.3 | 37.4 |
| 1.313 | 23.52 | 54.65 | 0.88 | 4.81 | 130.12 | 0.31 | 37.39 |
| 1.33 | 23.52 | 54.65 | 0.88 | 4.83 | 104.25 | 0.31 | 37.39 |
| 1.355 | 23.52 | 54.64 | 0.88 | 4.86 | 122.55 | 0.31 | 37.39 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.359 | 23.52 | 54.68 | 0.9 | 4.95 | 114.48 | 0.31 | 37.42 |
| 1.375 | 23.52 | 54.74 | 0.9 | 4.96 | 118.85 | 0.31 | 37.47 |
| 1.409 | 23.52 | 54.77 | 0.9 | 4.97 | 121.31 | 0.31 | 37.49 |
| 1.444 | 23.52 | 54.77 | 0.95 | 4.97 | 110.2 | 0.3 | 37.49 |
| 1.468 | 23.52 | 54.79 | 0.95 | 4.96 | 110.75 | 0.3 | 37.51 |
| 1.472 | 23.52 | 54.89 | 0.95 | 4.94 | 115.38 | 0.3 | 37.58 |
| 1.475 | 23.52 | 54.9 | 0.95 | 4.93 | 120.73 | 0.3 | 37.59 |
| 1.492 | 23.52 | 54.89 | 0.9 | 4.93 | 103.5 | 0.3 | 37.58 |
| 1.522 | 23.52 | 54.95 | 0.9 | 4.95 | 106.56 | 0.3 | 37.62 |
| 1.551 | 23.52 | 55.2 | 0.9 | 4.98 | 105.59 | 0.3 | 37.82 |
| 1.572 | 23.52 | 55.81 | 0.9 | 5.0 | 101.49 | 0.3 | 38.29 |
| 1.578 | 23.51 | 56.21 | 0.93 | 5.07 | 107.12 | 0.31 | 38.61 |
| 1.581 | 23.5 | 56.15 | 0.93 | 5.1 | 115.91 | 0.31 | 38.57 |
| 1.598 | 23.5 | 55.88 | 0.93 | 5.1 | 109.08 | 0.31 | 38.36 |
| 1.62 | 23.49 | 56.24 | 0.88 | 5.35 | 104.97 | 0.34 | 38.65 |
| 1.624 | 23.49 | 56.28 | 0.88 | 5.4 | 110.7 | 0.34 | 38.69 |
| 1.646 | 23.49 | 56.2 | 0.88 | 5.45 | 103.77 | 0.34 | 38.63 |
| 1.677 | 23.49 | 56.25 | 0.88 | 5.49 | 99.87 | 0.34 | 38.66 |
| 1.711 | 23.49 | 56.38 | 0.85 | 5.51 | 104.93 | 0.38 | 38.76 |
| 1.735 | 23.47 | 56.61 | 0.76 | 5.52 | 105.89 | 0.45 | 38.95 |
| 1.743 | 23.47 | 56.55 | 0.71 | 5.51 | 104.43 | 0.41 | 38.92 |
| 1.796 | 23.47 | 56.53 | 0.71 | 5.52 | 101.47 | 0.41 | 38.9 |
| 1.87 | 23.47 | 56.54 | 0.71 | 5.53 | 94.45 | 0.41 | 38.9 |
| 1.926 | 23.47 | 56.63 | 0.71 | 5.56 | 89.08 | 0.41 | 38.97 |
| 1.952 | 23.46 | 56.74 | 0.71 | 5.61 | 98.46 | 0.41 | 39.06 |
| 1.956 | 23.43 | 57.0 | 0.68 | 5.69 | 98.19 | 0.44 | 39.29 |
| 1.963 | 23.42 | 56.88 | 0.68 | 5.71 | 95.65 | 0.44 | 39.2 |
| 1.974 | 23.43 | 56.85 | 0.68 | 5.72 | 98.66 | 0.44 | 39.18 |
| 1.98 | 23.43 | 56.91 | 0.66 | 5.72 | 96.47 | 0.44 | 39.22 |
| 1.984 | 23.43 | 57.06 | 0.66 | 5.72 | 93.84 | 0.44 | 39.35 |
| 2.0 | 23.42 | 57.08 | 0.66 | 5.7 | 99.56 | 0.44 | 39.37 |
| 2.024 | 23.41 | 57.16 | 0.66 | 5.69 | 102.76 | 0.44 | 39.44 |
| 2.035 | 23.4 | 57.6 | 0.73 | 5.71 | 92.16 | 0.45 | 39.79 |
| 2.038 | 23.39 | 57.65 | 0.73 | 5.73 | 93.45 | 0.45 | 39.84 |
| 2.049 | 23.38 | 57.67 | 0.73 | 5.75 | 98.64 | 0.45 | 39.86 |
| 2.065 | 23.37 | 57.73 | 0.73 | 5.76 | 95.38 | 0.45 | 39.92 |
| 2.072 | 23.37 | 57.88 | 0.68 | 5.78 | 90.35 | 0.44 | 40.04 |
| 2.075 | 23.36 | 58.13 | 0.68 | 5.79 | 89.25 | 0.44 | 40.24 |
| 2.086 | 23.36 | 58.33 | 0.68 | 5.82 | 88.29 | 0.44 | 40.4 |
| 2.111 | 23.35 | 58.35 | 0.68 | 5.84 | 89.43 | 0.44 | 40.42 |
| 2.118 | 23.34 | 58.65 | 0.63 | 5.9 | 102.51 | 0.47 | 40.67 |
| 2.142 | 23.34 | 58.62 | 0.63 | 5.92 | 95.11 | 0.48 | 40.65 |
| 2.181 | 23.34 | 58.68 | 0.63 | 5.95 | 94.04 | 0.48 | 40.7 |
| 2.229 | 23.34 | 58.78 | 0.63 | 5.97 | 91.06 | 0.48 | 40.77 |
| 2.258 | 23.34 | 58.94 | 0.63 | 6.04 | 87.9 | 0.5 | 40.9 |
| 2.271 | 23.33 | 58.94 | 0.63 | 6.03 | 92.46 | 0.5 | 40.9 |
| 2.291 | 23.33 | 58.95 | 0.59 | 6.02 | 93.55 | 0.51 | 40.91 |
| 2.292 | 23.33 | 58.95 | 0.59 | 6.0 | 90.96 | 0.51 | 40.91 |
| 2.296 | 23.33 | 58.95 | 0.59 | 6.0 | 88.06 | 0.51 | 40.91 |
| 2.302 | 23.33 | 58.95 | 0.59 | 6.0 | 85.92 | 0.51 | 40.91 |
| 2.317 | 23.33 | 58.94 | 0.59 | 6.02 | 88.56 | 0.56 | 40.9 |
| 2.33 | 23.33 | 58.93 | 0.59 | 6.05 | 86.31 | 0.56 | 40.9 |
| 2.341 | 23.33 | 58.95 | 0.59 | 6.07 | 85.8 | 0.56 | 40.91 |
| 2.35 | 23.33 | 58.97 | 0.59 | 6.09 | 84.86 | 0.56 | 40.93 |
| 2.376 | 23.33 | 58.97 | 0.61 | 6.1 | 87.39 | 0.54 | 40.93 |
| 2.412 | 23.33 | 58.99 | 0.61 | 6.11 | 85.82 | 0.54 | 40.94 |
| 2.445 | 23.33 | 59.02 | 0.61 | 6.12 | 81.26 | 0.54 | 40.96 |
| 2.471 | 23.33 | 59.03 | 0.61 | 6.14 | 82.7 | 0.54 | 40.97 |

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|---|---|---|---|---|---|---|---|
| 2.485 | 23.33 | 59.04 | 0.61 | 6.13 | 82.49 | 0.54 | 40.98 |
| 2.497 | 23.33 | 59.05 | 0.61 | 6.09 | 81.81 | 0.54 | 40.99 |
| 2.523 | 23.33 | 59.06 | 0.61 | 6.06 | 81.08 | 0.54 | 41.0 |
| 2.545 | 23.33 | 59.08 | 0.61 | 6.03 | 80.31 | 0.54 | 41.02 |
| 2.559 | 23.33 | 59.1 | 0.61 | 6.02 | 81.12 | 0.54 | 41.03 |
| 2.576 | 23.33 | 59.1 | 0.61 | 5.99 | 82.02 | 0.54 | 41.03 |
| 2.597 | 23.33 | 59.09 | 0.61 | 5.97 | 81.4 | 0.54 | 41.02 |
| 2.609 | 23.33 | 59.06 | 0.61 | 6.02 | 80.98 | 0.54 | 41.0 |
| 2.616 | 23.33 | 59.06 | 0.61 | 6.04 | 82.02 | 0.54 | 41.0 |
| 2.627 | 23.33 | 59.05 | 0.61 | 6.06 | 81.86 | 0.54 | 40.99 |
| 2.649 | 23.33 | 59.06 | 0.61 | 6.07 | 79.23 | 0.54 | 41.0 |
| 2.69 | 23.33 | 59.07 | 0.61 | 6.07 | 79.59 | 0.54 | 41.0 |
| 2.754 | 23.33 | 59.07 | 0.61 | 6.08 | 77.93 | 0.53 | 41.01 |
| 2.811 | 23.33 | 59.14 | 0.61 | 6.08 | 77.3 | 0.53 | 41.06 |
| 2.834 | 23.33 | 59.47 | 0.61 | 6.06 | 77.58 | 0.53 | 41.32 |
| 2.862 | 23.33 | 59.61 | 0.61 | 6.05 | 76.8 | 0.53 | 41.44 |
| 2.899 | 23.33 | 59.7 | 0.63 | 6.06 | 77.76 | 0.56 | 41.5 |
| 2.927 | 23.32 | 59.76 | 0.63 | 6.06 | 78.13 | 0.56 | 41.56 |
| 2.95 | 23.32 | 59.79 | 0.63 | 6.06 | 76.82 | 0.56 | 41.59 |
| 2.974 | 23.32 | 59.83 | 0.63 | 6.06 | 75.64 | 0.56 | 41.61 |
| 3.022 | 23.32 | 59.86 | 0.63 | 6.07 | 73.5 | 0.56 | 41.64 |
| 3.064 | 23.32 | 59.86 | 0.61 | 6.1 | 72.54 | 0.56 | 41.64 |
| 3.085 | 23.32 | 59.89 | 0.61 | 6.13 | 74.35 | 0.56 | 41.66 |
| 3.11 | 23.32 | 59.89 | 0.61 | 6.16 | 74.2 | 0.56 | 41.67 |
| 3.163 | 23.32 | 59.9 | 0.61 | 6.2 | 73.3 | 0.56 | 41.67 |
| 3.232 | 23.32 | 59.92 | 0.66 | 6.24 | 71.06 | 0.57 | 41.69 |
| 3.296 | 23.32 | 59.99 | 0.66 | 6.28 | 70.59 | 0.57 | 41.74 |
| 3.345 | 23.32 | 60.04 | 0.66 | 6.31 | 70.06 | 0.57 | 41.78 |
| 3.371 | 23.32 | 60.09 | 0.66 | 6.32 | 69.15 | 0.57 | 41.83 |
| 3.392 | 23.32 | 60.11 | 0.66 | 6.32 | 68.27 | 0.57 | 41.84 |
| 3.415 | 23.32 | 60.11 | 0.68 | 6.29 | 67.95 | 0.59 | 41.84 |
| 3.449 | 23.32 | 60.1 | 0.68 | 6.28 | 68.16 | 0.59 | 41.83 |
| 3.518 | 23.32 | 60.12 | 0.68 | 6.28 | 66.29 | 0.59 | 41.85 |
| 3.599 | 23.32 | 60.13 | 0.68 | 6.28 | 66.52 | 0.59 | 41.85 |
| 3.657 | 23.32 | 60.13 | 0.63 | 6.3 | 66.35 | 0.6 | 41.86 |
| 3.686 | 23.32 | 60.13 | 0.63 | 6.33 | 65.91 | 0.6 | 41.86 |
| 3.705 | 23.32 | 60.12 | 0.63 | 6.35 | 65.47 | 0.6 | 41.85 |
| 3.749 | 23.32 | 60.12 | 0.63 | 6.38 | 63.99 | 0.6 | 41.85 |
| 3.811 | 23.32 | 60.14 | 0.66 | 6.41 | 61.68 | 0.58 | 41.86 |
| 3.88 | 23.32 | 60.17 | 0.66 | 6.42 | 60.96 | 0.58 | 41.89 |
| 3.943 | 23.32 | 60.22 | 0.66 | 6.43 | 60.48 | 0.58 | 41.93 |
| 4.016 | 23.31 | 60.24 | 0.66 | 6.44 | 60.18 | 0.58 | 41.94 |
| 4.099 | 23.31 | 60.25 | 0.66 | 6.44 | 59.18 | 0.58 | 41.96 |
| 4.174 | 23.31 | 60.27 | 0.73 | 6.43 | 58.35 | 0.59 | 41.97 |
| 4.223 | 23.31 | 60.29 | 0.73 | 6.42 | 57.44 | 0.59 | 41.99 |
| 4.267 | 23.31 | 60.31 | 0.73 | 6.42 | 57.0 | 0.59 | 42.0 |
| 4.322 | 23.31 | 60.33 | 0.73 | 6.42 | 56.72 | 0.59 | 42.02 |
| 4.373 | 23.31 | 60.34 | 0.68 | 6.42 | 55.5 | 0.59 | 42.02 |
| 4.443 | 23.31 | 60.32 | 0.68 | 6.43 | 53.63 | 0.59 | 42.01 |
| 4.522 | 23.31 | 60.36 | 0.68 | 6.43 | 52.52 | 0.59 | 42.04 |
| 4.583 | 23.31 | 60.39 | 0.68 | 6.45 | 52.12 | 0.59 | 42.06 |
| 4.611 | 23.31 | 60.41 | 0.68 | 6.46 | 52.25 | 0.62 | 42.08 |
| 4.615 | 23.31 | 60.41 | 0.68 | 6.46 | 52.54 | 0.62 | 42.08 |
| 4.62 | 23.31 | 60.41 | 0.68 | 6.45 | 52.68 | 0.62 | 42.08 |
| 4.626 | 23.31 | 60.39 | 0.68 | 6.44 | 52.4 | 0.62 | 42.06 |
| 4.631 | 23.31 | 60.37 | 0.68 | 6.45 | 52.16 | 0.62 | 42.05 |
| 4.639 | 23.31 | 60.36 | 0.73 | 6.45 | 51.96 | 0.68 | 42.04 |
| 4.645 | 23.31 | 60.34 | 0.73 | 6.45 | 51.91 | 0.68 | 42.03 |

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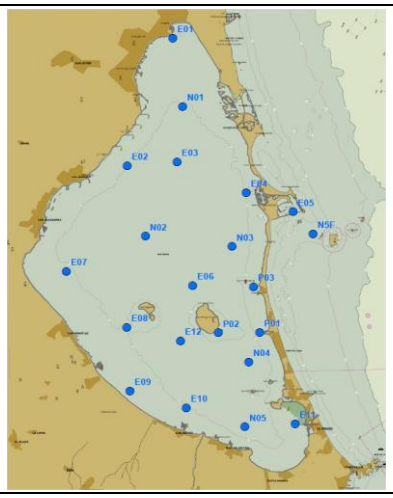
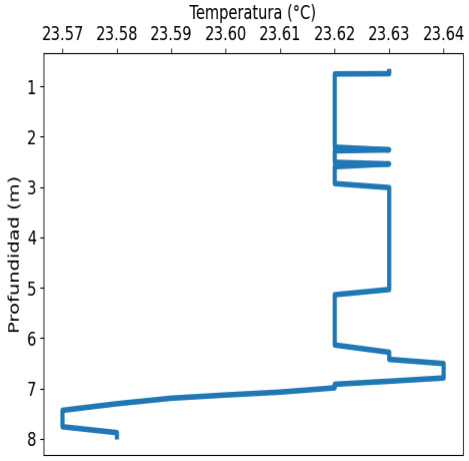
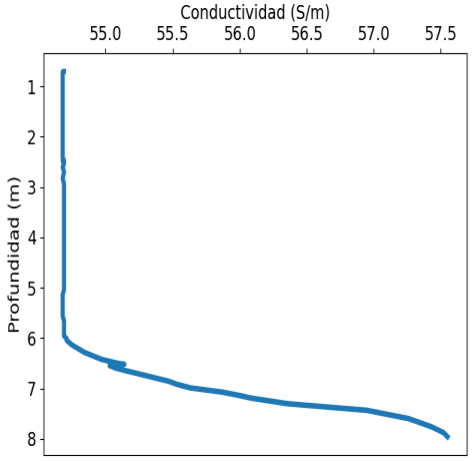
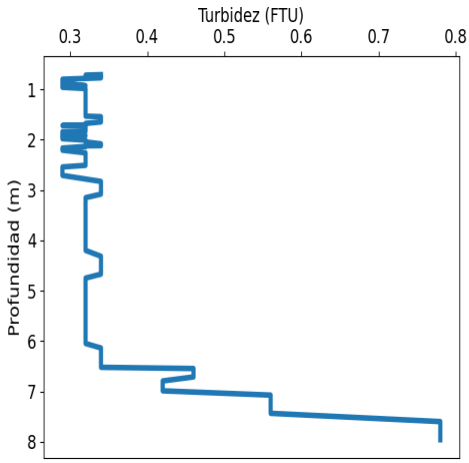
|---|---|---|---|---|---|---|---|
| 4.651 | 23.31 | 60.33 | 0.73 | 6.46 | 51.94 | 0.68 | 42.02 |
| 4.657 | 23.31 | 60.33 | 0.73 | 6.48 | 52.5 | 0.68 | 42.02 |
| 4.661 | 23.31 | 60.33 | 0.73 | 6.5 | 52.96 | 0.62 | 42.02 |

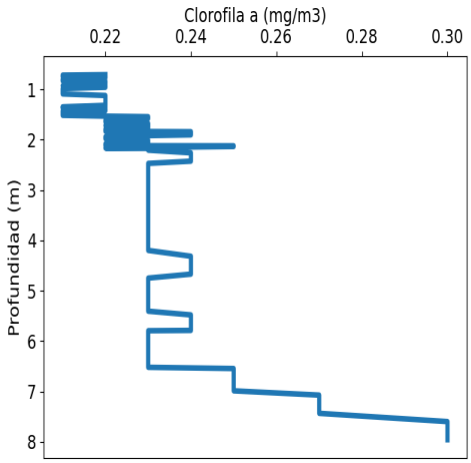
**Nombre: CTD N5F - Punto 007** **Fecha: 19/10/2022** **Hora: 09:10:12**

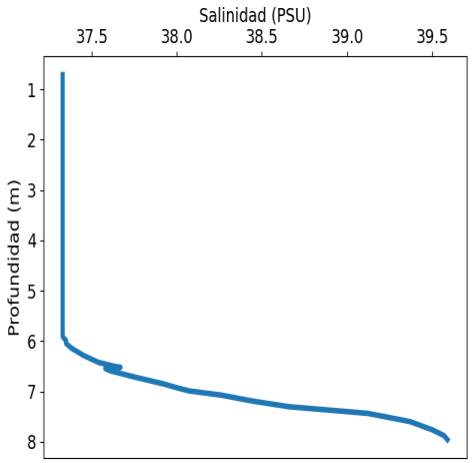


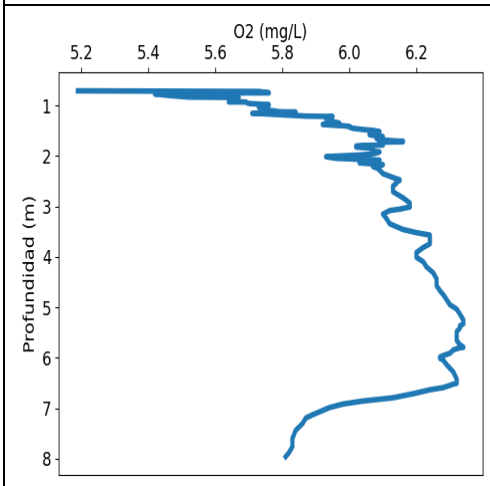



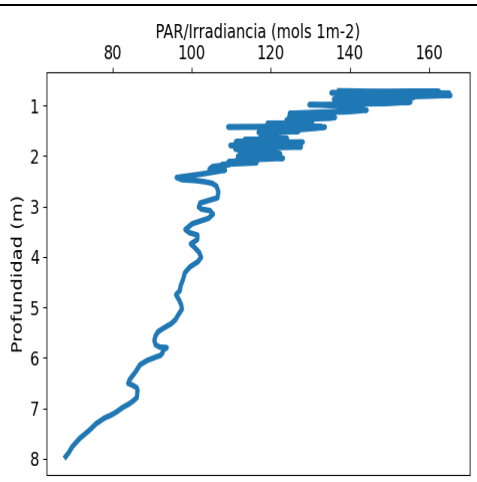



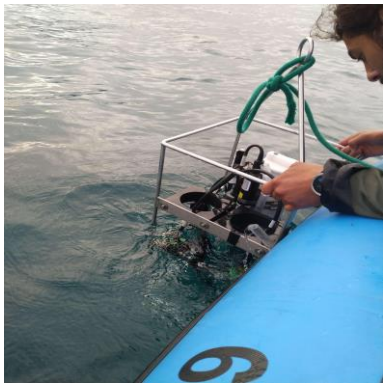



| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 23.57 | 54.68 | 0.29 | 5.19 | 68.16 | 0.21 | 37.33 |
| **PROF (metros)** | 7.436 | 0.722 | 0.8 | 0.709 | 7.96 | 0.718 | 0.709 |
| **MÁXIMO** | 23.64 | 23.64 | 0.78 | 6.34 | 165.41 | 0.3 | 39.59 |
| **PROF (metros)** | 6.507 | 7.96 | 7.6 | 5.253 | 0.8 | 7.6 | 7.96 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD N5F - Punto 007 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 23.62 | 54.68 | 0.31 | 5.6 | 146.35 | 0.21 | 37.33 |
| 1 - 2m | 23.62 | 54.68 | 0.32 | 5.99 | 123.91 | 0.22 | 37.33 |
| 2 - 3m | 23.62 | 54.68 | 0.32 | 6.09 | 107.71 | 0.23 | 37.33 |
| 3 - 4m | 23.63 | 54.69 | 0.32 | 6.18 | 101.68 | 0.23 | 37.33 |
| 4 - 5m | 23.63 | 54.69 | 0.33 | 6.26 | 98.41 | 0.23 | 37.33 |
| 5 - 6m | 23.62 | 54.69 | 0.32 | 6.32 | 93.12 | 0.23 | 37.33 |
| 6 - 7m | 23.63 | 55.11 | 0.39 | 6.21 | 85.75 | 0.24 | 37.65 |
| 7 - 8m | 23.58 | 56.78 | 0.66 | 5.85 | 74.16 | 0.28 | 38.99 |

| OBSERVACIONES GENERALES |
|---|
| |

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.709 | 23.63 | 54.69 | 0.34 | 5.19 | 137.28 | 0.22 | 37.33 |
| 0.718 | 23.63 | 54.69 | 0.32 | 5.63 | 144.86 | 0.21 | 37.33 |
| 0.722 | 23.63 | 54.68 | 0.32 | 5.73 | 162.52 | 0.21 | 37.33 |
| 0.749 | 23.63 | 54.68 | 0.32 | 5.76 | 135.32 | 0.21 | 37.33 |
| 0.753 | 23.62 | 54.68 | 0.34 | 5.52 | 136.62 | 0.22 | 37.33 |
| 0.754 | 23.62 | 54.68 | 0.34 | 5.44 | 165.05 | 0.22 | 37.33 |
| 0.772 | 23.62 | 54.68 | 0.34 | 5.42 | 136.65 | 0.22 | 37.33 |
| 0.8 | 23.62 | 54.68 | 0.29 | 5.46 | 165.41 | 0.21 | 37.33 |
| 0.833 | 23.62 | 54.68 | 0.29 | 5.52 | 152.04 | 0.21 | 37.33 |
| 0.84 | 23.62 | 54.68 | 0.29 | 5.67 | 156.1 | 0.22 | 37.33 |
| 0.875 | 23.62 | 54.68 | 0.29 | 5.65 | 135.94 | 0.22 | 37.33 |
| 0.929 | 23.62 | 54.68 | 0.32 | 5.64 | 145.43 | 0.21 | 37.33 |
| 0.93 | 23.62 | 54.68 | 0.29 | 5.69 | 155.29 | 0.22 | 37.33 |
| 0.96 | 23.62 | 54.68 | 0.29 | 5.7 | 149.61 | 0.22 | 37.33 |
| 0.985 | 23.62 | 54.68 | 0.32 | 5.76 | 129.75 | 0.21 | 37.33 |
| 0.996 | 23.62 | 54.68 | 0.32 | 5.74 | 133.77 | 0.21 | 37.33 |
| 1.041 | 23.62 | 54.68 | 0.32 | 5.73 | 141.16 | 0.21 | 37.33 |
| 1.092 | 23.62 | 54.68 | 0.32 | 5.76 | 144.23 | 0.21 | 37.33 |
| 1.123 | 23.62 | 54.68 | 0.32 | 5.79 | 139.63 | 0.22 | 37.33 |
| 1.127 | 23.62 | 54.68 | 0.32 | 5.81 | 138.24 | 0.22 | 37.33 |
| 1.129 | 23.62 | 54.68 | 0.32 | 5.84 | 133.56 | 0.22 | 37.33 |
| 1.156 | 23.62 | 54.68 | 0.32 | 5.71 | 124.79 | 0.22 | 37.33 |
| 1.159 | 23.62 | 54.68 | 0.32 | 5.73 | 130.83 | 0.22 | 37.33 |
| 1.173 | 23.62 | 54.68 | 0.32 | 5.77 | 130.26 | 0.22 | 37.33 |
| 1.192 | 23.62 | 54.68 | 0.32 | 5.83 | 130.26 | 0.22 | 37.33 |
| 1.21 | 23.62 | 54.68 | 0.32 | 5.87 | 124.68 | 0.22 | 37.33 |
| 1.218 | 23.62 | 54.68 | 0.32 | 5.95 | 126.57 | 0.22 | 37.33 |
| 1.227 | 23.62 | 54.68 | 0.32 | 5.94 | 128.82 | 0.22 | 37.33 |
| 1.236 | 23.62 | 54.68 | 0.32 | 5.93 | 136.24 | 0.22 | 37.33 |
| 1.252 | 23.62 | 54.68 | 0.32 | 5.93 | 135.05 | 0.22 | 37.33 |
| 1.285 | 23.62 | 54.68 | 0.32 | 5.94 | 123.98 | 0.22 | 37.33 |
| 1.318 | 23.62 | 54.68 | 0.32 | 5.95 | 130.49 | 0.22 | 37.33 |
| 1.35 | 23.62 | 54.68 | 0.32 | 5.97 | 125.22 | 0.21 | 37.33 |
| 1.351 | 23.62 | 54.68 | 0.32 | 5.94 | 119.19 | 0.22 | 37.33 |

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|---|---|---|---|---|---|---|---|
| 1.355 | 23.62 | 54.68 | 0.32 | 5.93 | 123.55 | 0.21 | 37.33 |
| 1.375 | 23.62 | 54.68 | 0.32 | 5.92 | 128.21 | 0.21 | 37.33 |
| 1.399 | 23.62 | 54.68 | 0.32 | 5.97 | 119.71 | 0.22 | 37.33 |
| 1.4 | 23.62 | 54.68 | 0.32 | 5.98 | 125.42 | 0.22 | 37.33 |
| 1.414 | 23.62 | 54.68 | 0.32 | 6.0 | 132.69 | 0.22 | 37.33 |
| 1.426 | 23.62 | 54.68 | 0.32 | 6.0 | 109.22 | 0.22 | 37.33 |
| 1.427 | 23.62 | 54.68 | 0.32 | 6.0 | 133.68 | 0.21 | 37.33 |
| 1.451 | 23.62 | 54.68 | 0.32 | 6.01 | 131.51 | 0.21 | 37.33 |
| 1.476 | 23.62 | 54.68 | 0.32 | 6.04 | 127.51 | 0.21 | 37.33 |
| 1.493 | 23.62 | 54.68 | 0.32 | 6.07 | 121.54 | 0.21 | 37.33 |
| 1.517 | 23.62 | 54.68 | 0.32 | 6.09 | 126.93 | 0.21 | 37.33 |
| 1.533 | 23.62 | 54.68 | 0.32 | 6.06 | 116.9 | 0.22 | 37.33 |
| 1.544 | 23.62 | 54.68 | 0.34 | 6.06 | 118.49 | 0.23 | 37.33 |
| 1.58 | 23.62 | 54.68 | 0.34 | 6.06 | 118.74 | 0.23 | 37.33 |
| 1.615 | 23.62 | 54.68 | 0.34 | 6.1 | 117.48 | 0.22 | 37.33 |
| 1.648 | 23.62 | 54.68 | 0.34 | 6.08 | 124.08 | 0.22 | 37.33 |
| 1.677 | 23.62 | 54.68 | 0.32 | 6.09 | 113.36 | 0.23 | 37.33 |
| 1.693 | 23.62 | 54.68 | 0.32 | 6.12 | 117.46 | 0.23 | 37.33 |
| 1.704 | 23.62 | 54.68 | 0.32 | 6.14 | 119.34 | 0.23 | 37.33 |
| 1.707 | 23.62 | 54.68 | 0.32 | 6.16 | 121.07 | 0.23 | 37.33 |
| 1.719 | 23.62 | 54.68 | 0.29 | 6.16 | 111.16 | 0.22 | 37.33 |
| 1.726 | 23.62 | 54.68 | 0.32 | 6.09 | 128.09 | 0.23 | 37.33 |
| 1.738 | 23.62 | 54.68 | 0.32 | 6.09 | 121.31 | 0.23 | 37.33 |
| 1.784 | 23.62 | 54.68 | 0.32 | 6.1 | 111.53 | 0.23 | 37.33 |
| 1.79 | 23.62 | 54.68 | 0.32 | 6.04 | 109.77 | 0.22 | 37.33 |
| 1.803 | 23.62 | 54.68 | 0.32 | 6.02 | 121.6 | 0.22 | 37.33 |
| 1.823 | 23.62 | 54.68 | 0.32 | 6.02 | 127.62 | 0.22 | 37.33 |
| 1.835 | 23.62 | 54.68 | 0.32 | 6.04 | 120.04 | 0.22 | 37.33 |
| 1.842 | 23.62 | 54.68 | 0.29 | 6.06 | 112.28 | 0.24 | 37.33 |
| 1.86 | 23.62 | 54.68 | 0.29 | 6.07 | 110.99 | 0.24 | 37.33 |
| 1.905 | 23.62 | 54.68 | 0.29 | 6.07 | 112.75 | 0.24 | 37.33 |
| 1.92 | 23.62 | 54.68 | 0.32 | 6.09 | 113.81 | 0.23 | 37.33 |
| 1.942 | 23.62 | 54.68 | 0.29 | 6.08 | 121.44 | 0.22 | 37.33 |
| 1.958 | 23.62 | 54.68 | 0.29 | 6.07 | 122.39 | 0.22 | 37.33 |
| 1.981 | 23.62 | 54.68 | 0.29 | 6.03 | 112.28 | 0.22 | 37.33 |
| 2.009 | 23.62 | 54.68 | 0.32 | 5.94 | 111.67 | 0.23 | 37.33 |
| 2.014 | 23.62 | 54.68 | 0.32 | 5.93 | 117.74 | 0.23 | 37.33 |
| 2.046 | 23.62 | 54.68 | 0.32 | 5.96 | 123.09 | 0.23 | 37.33 |
| 2.083 | 23.62 | 54.68 | 0.34 | 6.09 | 112.58 | 0.22 | 37.33 |
| 2.119 | 23.62 | 54.68 | 0.34 | 6.07 | 109.29 | 0.22 | 37.33 |
| 2.122 | 23.62 | 54.68 | 0.32 | 6.05 | 115.73 | 0.25 | 37.33 |
| 2.136 | 23.62 | 54.68 | 0.32 | 6.03 | 116.39 | 0.25 | 37.33 |
| 2.167 | 23.62 | 54.68 | 0.29 | 6.09 | 107.68 | 0.22 | 37.33 |
| 2.173 | 23.62 | 54.68 | 0.29 | 6.1 | 109.43 | 0.23 | 37.33 |
| 2.209 | 23.62 | 54.68 | 0.29 | 6.07 | 105.3 | 0.23 | 37.33 |
| 2.262 | 23.63 | 54.68 | 0.32 | 6.09 | 104.5 | 0.24 | 37.33 |
| 2.281 | 23.62 | 54.68 | 0.32 | 6.09 | 108.46 | 0.24 | 37.33 |
| 2.351 | 23.62 | 54.68 | 0.32 | 6.1 | 103.16 | 0.24 | 37.33 |
| 2.427 | 23.62 | 54.68 | 0.32 | 6.13 | 96.2 | 0.24 | 37.33 |
| 2.472 | 23.62 | 54.69 | 0.32 | 6.15 | 97.63 | 0.23 | 37.33 |
| 2.486 | 23.62 | 54.68 | 0.32 | 6.15 | 100.81 | 0.23 | 37.33 |
| 2.51 | 23.62 | 54.69 | 0.32 | 6.14 | 103.18 | 0.23 | 37.33 |
| 2.542 | 23.63 | 54.69 | 0.29 | 6.14 | 105.18 | 0.23 | 37.33 |
| 2.596 | 23.62 | 54.68 | 0.29 | 6.13 | 106.26 | 0.23 | 37.33 |
| 2.71 | 23.62 | 54.69 | 0.29 | 6.13 | 106.75 | 0.23 | 37.33 |
| 2.83 | 23.62 | 54.68 | 0.34 | 6.16 | 106.52 | 0.23 | 37.33 |
| 2.932 | 23.62 | 54.69 | 0.34 | 6.18 | 102.16 | 0.23 | 37.33 |
| 3.012 | 23.63 | 54.69 | 0.34 | 6.18 | 101.8 | 0.23 | 37.33 |

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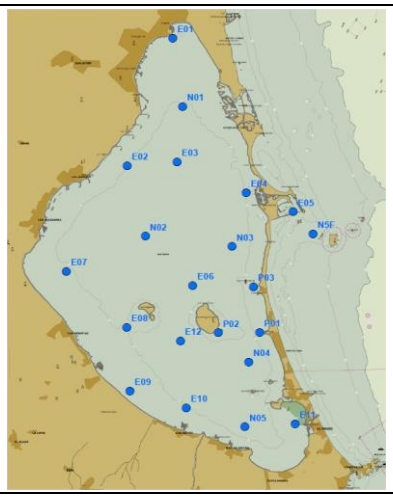
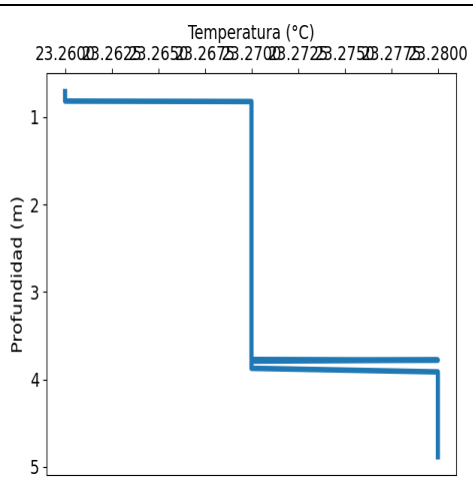
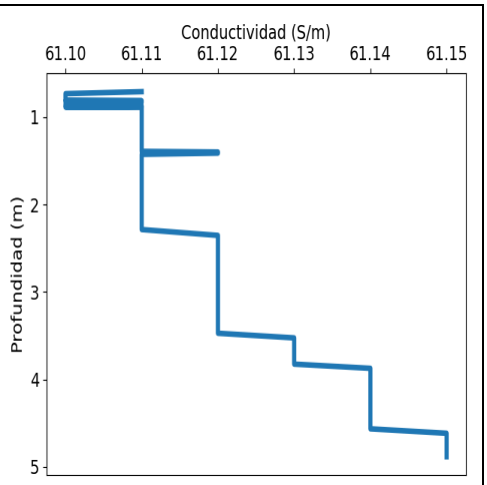
|---|---|---|---|---|---|---|---|
| 3.054 | 23.63 | 54.69 | 0.34 | 6.15 | 102.49 | 0.23 | 37.33 |
| 3.082 | 23.63 | 54.69 | 0.34 | 6.12 | 104.61 | 0.23 | 37.33 |
| 3.153 | 23.63 | 54.69 | 0.32 | 6.1 | 105.39 | 0.23 | 37.33 |
| 3.236 | 23.63 | 54.69 | 0.32 | 6.11 | 104.25 | 0.23 | 37.33 |
| 3.343 | 23.63 | 54.69 | 0.32 | 6.12 | 100.17 | 0.23 | 37.33 |
| 3.458 | 23.63 | 54.69 | 0.32 | 6.16 | 98.4 | 0.23 | 37.33 |
| 3.52 | 23.63 | 54.69 | 0.32 | 6.2 | 99.43 | 0.23 | 37.33 |
| 3.568 | 23.63 | 54.69 | 0.32 | 6.24 | 101.47 | 0.23 | 37.33 |
| 3.658 | 23.63 | 54.69 | 0.32 | 6.24 | 101.42 | 0.23 | 37.33 |
| 3.742 | 23.63 | 54.69 | 0.32 | 6.24 | 99.78 | 0.23 | 37.33 |
| 3.815 | 23.63 | 54.69 | 0.32 | 6.22 | 100.76 | 0.23 | 37.33 |
| 3.913 | 23.63 | 54.69 | 0.32 | 6.2 | 101.91 | 0.23 | 37.33 |
| 4.01 | 23.63 | 54.69 | 0.32 | 6.2 | 102.38 | 0.23 | 37.33 |
| 4.096 | 23.63 | 54.69 | 0.32 | 6.22 | 101.58 | 0.23 | 37.33 |
| 4.2 | 23.63 | 54.69 | 0.32 | 6.23 | 99.56 | 0.23 | 37.33 |
| 4.316 | 23.63 | 54.69 | 0.34 | 6.25 | 98.27 | 0.24 | 37.33 |
| 4.437 | 23.63 | 54.69 | 0.34 | 6.26 | 97.87 | 0.24 | 37.33 |
| 4.571 | 23.63 | 54.69 | 0.34 | 6.26 | 97.23 | 0.24 | 37.33 |
| 4.671 | 23.63 | 54.69 | 0.34 | 6.27 | 97.0 | 0.24 | 37.33 |
| 4.75 | 23.63 | 54.69 | 0.32 | 6.28 | 96.05 | 0.23 | 37.33 |
| 4.852 | 23.63 | 54.69 | 0.32 | 6.29 | 96.81 | 0.23 | 37.33 |
| 4.951 | 23.63 | 54.69 | 0.32 | 6.3 | 97.36 | 0.23 | 37.33 |
| 5.036 | 23.63 | 54.69 | 0.32 | 6.32 | 97.55 | 0.23 | 37.33 |
| 5.14 | 23.62 | 54.68 | 0.32 | 6.33 | 96.7 | 0.23 | 37.33 |
| 5.253 | 23.62 | 54.68 | 0.32 | 6.34 | 95.84 | 0.23 | 37.33 |
| 5.328 | 23.62 | 54.68 | 0.32 | 6.34 | 94.76 | 0.23 | 37.33 |
| 5.363 | 23.62 | 54.68 | 0.32 | 6.33 | 93.98 | 0.23 | 37.33 |
| 5.407 | 23.62 | 54.68 | 0.32 | 6.33 | 93.02 | 0.23 | 37.33 |
| 5.481 | 23.62 | 54.68 | 0.32 | 6.32 | 91.54 | 0.24 | 37.33 |
| 5.566 | 23.62 | 54.68 | 0.32 | 6.32 | 90.86 | 0.24 | 37.33 |
| 5.658 | 23.62 | 54.69 | 0.32 | 6.32 | 90.56 | 0.24 | 37.33 |
| 5.744 | 23.62 | 54.69 | 0.32 | 6.33 | 90.9 | 0.24 | 37.33 |
| 5.789 | 23.62 | 54.69 | 0.32 | 6.34 | 91.94 | 0.24 | 37.33 |
| 5.795 | 23.62 | 54.69 | 0.32 | 6.34 | 93.33 | 0.23 | 37.33 |
| 5.8 | 23.62 | 54.69 | 0.32 | 6.33 | 93.7 | 0.23 | 37.33 |
| 5.844 | 23.62 | 54.69 | 0.32 | 6.31 | 92.86 | 0.23 | 37.33 |
| 5.91 | 23.62 | 54.69 | 0.32 | 6.3 | 92.6 | 0.23 | 37.33 |
| 5.956 | 23.62 | 54.69 | 0.32 | 6.28 | 92.06 | 0.23 | 37.34 |
| 5.986 | 23.62 | 54.7 | 0.32 | 6.27 | 90.9 | 0.23 | 37.35 |
| 6.012 | 23.62 | 54.71 | 0.32 | 6.27 | 90.13 | 0.23 | 37.35 |
| 6.049 | 23.62 | 54.71 | 0.32 | 6.28 | 88.87 | 0.23 | 37.35 |
| 6.138 | 23.62 | 54.75 | 0.34 | 6.29 | 86.97 | 0.23 | 37.38 |
| 6.282 | 23.63 | 54.84 | 0.34 | 6.31 | 85.8 | 0.23 | 37.45 |
| 6.424 | 23.63 | 54.97 | 0.34 | 6.32 | 84.41 | 0.23 | 37.54 |
| 6.507 | 23.64 | 55.1 | 0.34 | 6.32 | 83.96 | 0.23 | 37.64 |
| 6.522 | 23.64 | 55.14 | 0.34 | 6.31 | 84.41 | 0.23 | 37.67 |
| 6.546 | 23.64 | 55.03 | 0.46 | 6.3 | 85.1 | 0.25 | 37.58 |
| 6.591 | 23.64 | 55.07 | 0.46 | 6.28 | 86.08 | 0.25 | 37.61 |
| 6.635 | 23.64 | 55.13 | 0.46 | 6.24 | 86.33 | 0.25 | 37.66 |
| 6.713 | 23.64 | 55.25 | 0.46 | 6.19 | 86.24 | 0.25 | 37.75 |
| 6.793 | 23.64 | 55.37 | 0.42 | 6.13 | 86.12 | 0.25 | 37.85 |
| 6.858 | 23.63 | 55.47 | 0.42 | 6.04 | 85.19 | 0.25 | 37.93 |
| 6.918 | 23.62 | 55.53 | 0.42 | 5.98 | 84.1 | 0.25 | 37.99 |
| 6.989 | 23.62 | 55.63 | 0.42 | 5.94 | 82.49 | 0.25 | 38.07 |
| 7.074 | 23.61 | 55.87 | 0.56 | 5.91 | 80.99 | 0.27 | 38.26 |
| 7.131 | 23.6 | 55.98 | 0.56 | 5.89 | 79.77 | 0.27 | 38.35 |
| 7.195 | 23.59 | 56.09 | 0.56 | 5.87 | 77.96 | 0.27 | 38.45 |
| 7.305 | 23.58 | 56.36 | 0.56 | 5.86 | 75.87 | 0.27 | 38.66 |

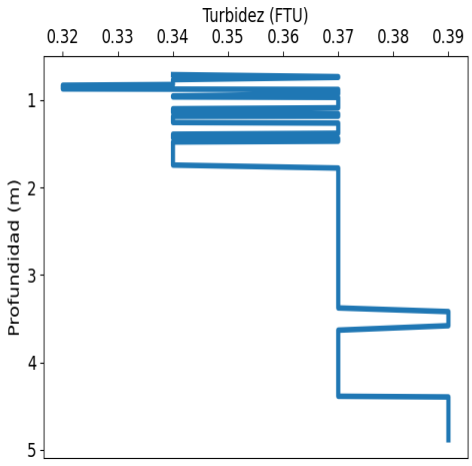
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7.436 | 23.57 | 56.95 | 0.56 | 5.84 | 74.16 | 0.27 | 39.12 |
| 7.6 | 23.57 | 57.26 | 0.78 | 5.83 | 71.69 | 0.3 | 39.37 |
| 7.762 | 23.57 | 57.43 | 0.78 | 5.83 | 69.84 | 0.3 | 39.5 |
| 7.879 | 23.58 | 57.52 | 0.78 | 5.82 | 68.95 | 0.3 | 39.57 |
| 7.96 | 23.58 | 57.55 | 0.78 | 5.81 | 68.16 | 0.3 | 39.59 |

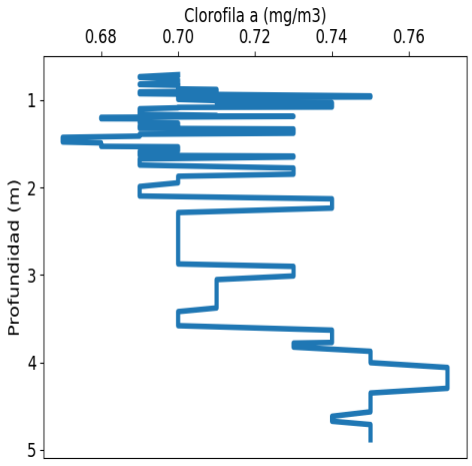
**Nombre: CTD E04 - Punto 008** **Fecha: 19/10/2022** **Hora: 10:10:20**

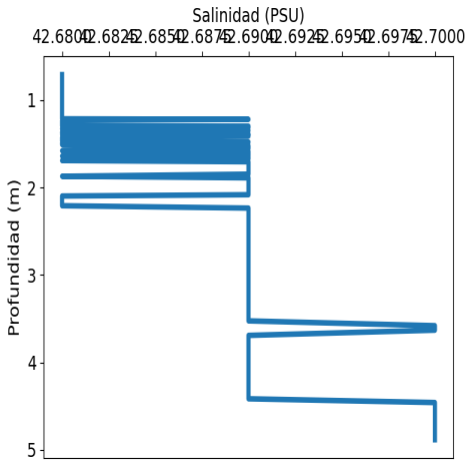


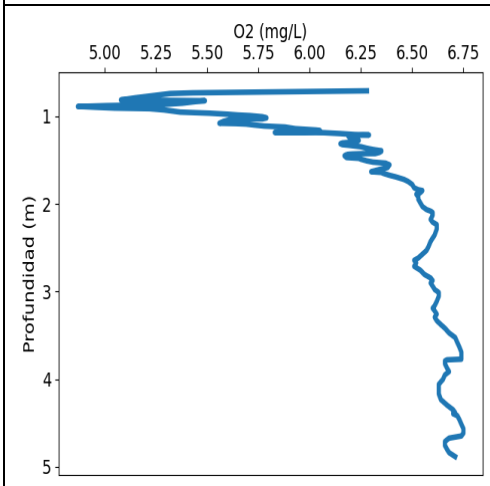



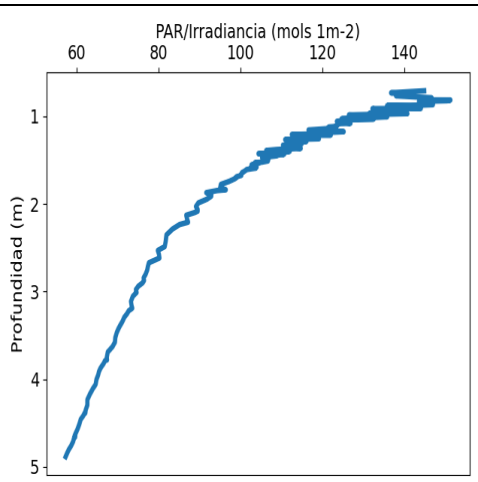




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 23.26 | 61.1 | 0.32 | 4.87 | 57.38 | 0.67 | 42.68 |
| **PROF (metros)** | 0.708 | 0.731 | 0.829 | 0.887 | 4.883 | 1.424 | 0.708 |
| **MÁXIMO** | 23.28 | 23.28 | 0.39 | 6.75 | 151.18 | 0.77 | 42.7 |
| **PROF (metros)** | 3.778 | 4.615 | 3.418 | 4.564 | 0.813 | 4.057 | 3.579 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E04 - Punto 008 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 23.27 | 61.11 | 0.35 | 5.29 | 140.68 | 0.7 | 42.68 |
| 1 - 2m | 23.27 | 61.11 | 0.35 | 6.19 | 110.67 | 0.7 | 42.68 |
| 2 - 3m | 23.27 | 61.12 | 0.37 | 6.58 | 81.56 | 0.71 | 42.69 |
| 3 - 4m | 23.27 | 61.13 | 0.37 | 6.66 | 69.81 | 0.72 | 42.69 |
| 4 - 5m | 23.28 | 61.14 | 0.38 | 6.69 | 61.05 | 0.75 | 42.7 |

| OBSERVACIONES GENERALES |
|---|
| |

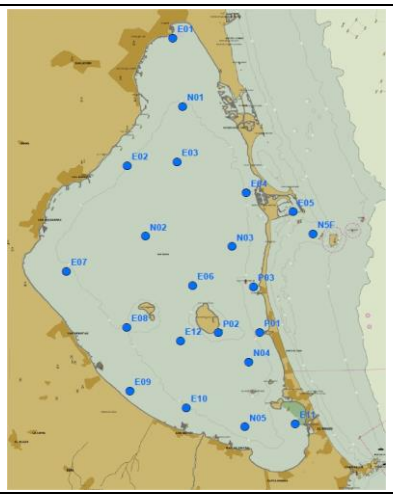
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.708 | 23.26 | 61.11 | 0.34 | 6.28 | 144.77 | 0.7 | 42.68 |
| 0.731 | 23.26 | 61.1 | 0.37 | 5.43 | 136.68 | 0.69 | 42.68 |
| 0.739 | 23.26 | 61.1 | 0.37 | 5.32 | 139.63 | 0.69 | 42.68 |
| 0.765 | 23.26 | 61.1 | 0.34 | 5.23 | 137.91 | 0.7 | 42.68 |
| 0.788 | 23.26 | 61.1 | 0.34 | 5.15 | 146.58 | 0.7 | 42.68 |
| 0.806 | 23.26 | 61.1 | 0.34 | 5.1 | 145.5 | 0.7 | 42.68 |
| 0.812 | 23.26 | 61.11 | 0.34 | 5.08 | 145.78 | 0.7 | 42.68 |
| 0.813 | 23.26 | 61.1 | 0.34 | 5.13 | 151.18 | 0.7 | 42.68 |
| 0.816 | 23.26 | 61.1 | 0.34 | 5.25 | 150.98 | 0.69 | 42.68 |
| 0.821 | 23.27 | 61.1 | 0.34 | 5.49 | 150.3 | 0.69 | 42.68 |
| 0.829 | 23.27 | 61.11 | 0.32 | 5.45 | 143.48 | 0.7 | 42.68 |
| 0.849 | 23.27 | 61.1 | 0.32 | 5.38 | 144.74 | 0.7 | 42.68 |
| 0.866 | 23.27 | 61.1 | 0.32 | 5.27 | 146.9 | 0.7 | 42.68 |
| 0.871 | 23.27 | 61.11 | 0.32 | 5.14 | 144.17 | 0.7 | 42.68 |
| 0.877 | 23.27 | 61.11 | 0.37 | 5.01 | 135.73 | 0.71 | 42.68 |
| 0.885 | 23.27 | 61.1 | 0.37 | 4.91 | 142.89 | 0.71 | 42.68 |
| 0.887 | 23.27 | 61.11 | 0.37 | 4.87 | 139.27 | 0.71 | 42.68 |
| 0.889 | 23.27 | 61.11 | 0.37 | 4.9 | 137.52 | 0.71 | 42.68 |
| 0.896 | 23.27 | 61.11 | 0.37 | 4.96 | 140.06 | 0.71 | 42.68 |
| 0.905 | 23.27 | 61.11 | 0.37 | 5.05 | 143.11 | 0.69 | 42.68 |
| 0.91 | 23.27 | 61.11 | 0.37 | 5.16 | 143.95 | 0.69 | 42.68 |
| 0.912 | 23.27 | 61.11 | 0.37 | 5.22 | 132.15 | 0.69 | 42.68 |
| 0.926 | 23.27 | 61.11 | 0.37 | 5.29 | 133.56 | 0.69 | 42.68 |
| 0.951 | 23.27 | 61.11 | 0.34 | 5.37 | 140.39 | 0.75 | 42.68 |
| 0.963 | 23.27 | 61.11 | 0.34 | 5.51 | 131.46 | 0.75 | 42.68 |
| 0.968 | 23.27 | 61.11 | 0.37 | 5.55 | 140.7 | 0.7 | 42.68 |
| 0.975 | 23.27 | 61.11 | 0.37 | 5.6 | 134.73 | 0.7 | 42.68 |
| 0.984 | 23.27 | 61.11 | 0.37 | 5.65 | 126.4 | 0.7 | 42.68 |
| 0.991 | 23.27 | 61.11 | 0.37 | 5.71 | 129.27 | 0.7 | 42.68 |
| 1.004 | 23.27 | 61.11 | 0.37 | 5.77 | 135.76 | 0.71 | 42.68 |
| 1.017 | 23.27 | 61.11 | 0.37 | 5.79 | 130.09 | 0.71 | 42.68 |
| 1.028 | 23.27 | 61.11 | 0.37 | 5.77 | 124.63 | 0.71 | 42.68 |
| 1.029 | 23.27 | 61.11 | 0.37 | 5.67 | 132.49 | 0.74 | 42.68 |
| 1.038 | 23.27 | 61.11 | 0.37 | 5.61 | 126.27 | 0.74 | 42.68 |
| 1.057 | 23.27 | 61.11 | 0.37 | 5.58 | 123.46 | 0.74 | 42.68 |
| 1.078 | 23.27 | 61.11 | 0.37 | 5.56 | 126.82 | 0.74 | 42.68 |
| 1.082 | 23.27 | 61.11 | 0.37 | 5.64 | 123.84 | 0.7 | 42.68 |

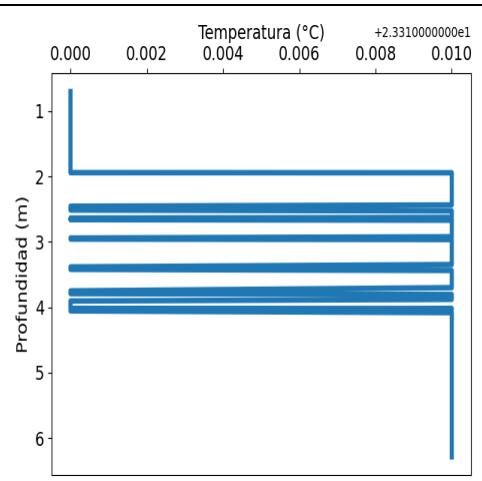
| 1.087 | 23.27 | 61.11 | 0.37 | 5.69 | 123.84 | 0.7 | 42.68 |
|---|---|---|---|---|---|---|---|
| 1.098 | 23.27 | 61.11 | 0.34 | 5.73 | 123.71 | 0.69 | 42.68 |
| 1.11 | 23.27 | 61.11 | 0.34 | 5.78 | 123.2 | 0.69 | 42.68 |
| 1.115 | 23.27 | 61.11 | 0.34 | 5.83 | 123.33 | 0.69 | 42.68 |
| 1.121 | 23.27 | 61.11 | 0.34 | 5.88 | 121.52 | 0.69 | 42.68 |
| 1.14 | 23.27 | 61.11 | 0.34 | 5.93 | 121.23 | 0.69 | 42.68 |
| 1.155 | 23.27 | 61.11 | 0.37 | 6.03 | 116.57 | 0.69 | 42.68 |
| 1.16 | 23.27 | 61.11 | 0.37 | 6.05 | 116.77 | 0.69 | 42.68 |
| 1.174 | 23.27 | 61.11 | 0.37 | 6.05 | 125.17 | 0.71 | 42.68 |
| 1.183 | 23.27 | 61.11 | 0.37 | 5.83 | 121.23 | 0.71 | 42.68 |
| 1.184 | 23.27 | 61.11 | 0.34 | 5.98 | 116.62 | 0.73 | 42.68 |
| 1.186 | 23.27 | 61.11 | 0.34 | 6.07 | 121.73 | 0.73 | 42.68 |
| 1.196 | 23.27 | 61.11 | 0.34 | 6.15 | 120.94 | 0.68 | 42.68 |
| 1.207 | 23.27 | 61.11 | 0.34 | 6.22 | 112.48 | 0.68 | 42.68 |
| 1.212 | 23.27 | 61.11 | 0.34 | 6.29 | 122.02 | 0.68 | 42.68 |
| 1.213 | 23.27 | 61.11 | 0.34 | 6.26 | 119.42 | 0.69 | 42.68 |
| 1.219 | 23.27 | 61.11 | 0.34 | 6.21 | 114.75 | 0.69 | 42.69 |
| 1.231 | 23.27 | 61.11 | 0.34 | 6.19 | 112.82 | 0.69 | 42.68 |
| 1.243 | 23.27 | 61.11 | 0.34 | 6.2 | 118.43 | 0.69 | 42.68 |
| 1.255 | 23.27 | 61.11 | 0.34 | 6.2 | 119.13 | 0.69 | 42.68 |
| 1.262 | 23.27 | 61.11 | 0.37 | 6.21 | 113.14 | 0.7 | 42.68 |
| 1.265 | 23.27 | 61.11 | 0.37 | 6.23 | 110.87 | 0.7 | 42.68 |
| 1.274 | 23.27 | 61.11 | 0.37 | 6.24 | 112.62 | 0.7 | 42.68 |
| 1.286 | 23.27 | 61.11 | 0.37 | 6.23 | 116.06 | 0.7 | 42.68 |
| 1.293 | 23.27 | 61.11 | 0.37 | 6.21 | 113.98 | 0.69 | 42.68 |
| 1.297 | 23.27 | 61.11 | 0.37 | 6.19 | 112.6 | 0.69 | 42.69 |
| 1.303 | 23.27 | 61.11 | 0.37 | 6.16 | 114.8 | 0.69 | 42.69 |
| 1.312 | 23.27 | 61.11 | 0.37 | 6.15 | 114.93 | 0.69 | 42.69 |
| 1.322 | 23.27 | 61.11 | 0.37 | 6.16 | 112.43 | 0.69 | 42.68 |
| 1.329 | 23.27 | 61.11 | 0.37 | 6.19 | 110.32 | 0.73 | 42.68 |
| 1.346 | 23.27 | 61.11 | 0.37 | 6.25 | 111.19 | 0.73 | 42.69 |
| 1.364 | 23.27 | 61.11 | 0.37 | 6.28 | 114.7 | 0.73 | 42.68 |
| 1.378 | 23.27 | 61.11 | 0.37 | 6.31 | 108.84 | 0.73 | 42.68 |
| 1.389 | 23.27 | 61.11 | 0.34 | 6.34 | 106.26 | 0.69 | 42.69 |
| 1.391 | 23.27 | 61.11 | 0.34 | 6.35 | 111.19 | 0.69 | 42.68 |
| 1.398 | 23.27 | 61.12 | 0.34 | 6.35 | 112.01 | 0.69 | 42.69 |
| 1.411 | 23.27 | 61.12 | 0.34 | 6.34 | 110.61 | 0.69 | 42.69 |
| 1.424 | 23.27 | 61.11 | 0.34 | 6.32 | 108.79 | 0.67 | 42.68 |
| 1.425 | 23.27 | 61.11 | 0.34 | 6.26 | 104.36 | 0.67 | 42.68 |
| 1.429 | 23.27 | 61.11 | 0.34 | 6.21 | 109.05 | 0.67 | 42.68 |
| 1.432 | 23.27 | 61.11 | 0.34 | 6.19 | 110.61 | 0.67 | 42.68 |
| 1.436 | 23.27 | 61.11 | 0.37 | 6.19 | 107.59 | 0.67 | 42.68 |
| 1.437 | 23.27 | 61.11 | 0.37 | 6.18 | 109.31 | 0.67 | 42.68 |
| 1.449 | 23.27 | 61.11 | 0.37 | 6.17 | 108.86 | 0.67 | 42.68 |
| 1.469 | 23.27 | 61.11 | 0.37 | 6.18 | 105.23 | 0.67 | 42.68 |
| 1.478 | 23.27 | 61.11 | 0.34 | 6.24 | 105.99 | 0.67 | 42.69 |
| 1.488 | 23.27 | 61.11 | 0.34 | 6.25 | 106.8 | 0.68 | 42.68 |
| 1.508 | 23.27 | 61.11 | 0.34 | 6.28 | 106.7 | 0.68 | 42.68 |
| 1.522 | 23.27 | 61.11 | 0.34 | 6.31 | 105.16 | 0.68 | 42.69 |
| 1.528 | 23.27 | 61.11 | 0.34 | 6.34 | 103.52 | 0.68 | 42.69 |
| 1.532 | 23.27 | 61.11 | 0.34 | 6.36 | 104.5 | 0.7 | 42.69 |
| 1.533 | 23.27 | 61.11 | 0.34 | 6.37 | 104.11 | 0.7 | 42.69 |
| 1.553 | 23.27 | 61.11 | 0.34 | 6.39 | 102.67 | 0.7 | 42.69 |
| 1.578 | 23.27 | 61.11 | 0.34 | 6.38 | 103.93 | 0.7 | 42.68 |
| 1.584 | 23.27 | 61.11 | 0.34 | 6.38 | 102.51 | 0.69 | 42.69 |
| 1.589 | 23.27 | 61.11 | 0.34 | 6.37 | 103.75 | 0.69 | 42.69 |
| 1.606 | 23.27 | 61.11 | 0.34 | 6.34 | 101.51 | 0.69 | 42.69 |
| 1.631 | 23.27 | 61.11 | 0.34 | 6.3 | 100.81 | 0.69 | 42.69 |

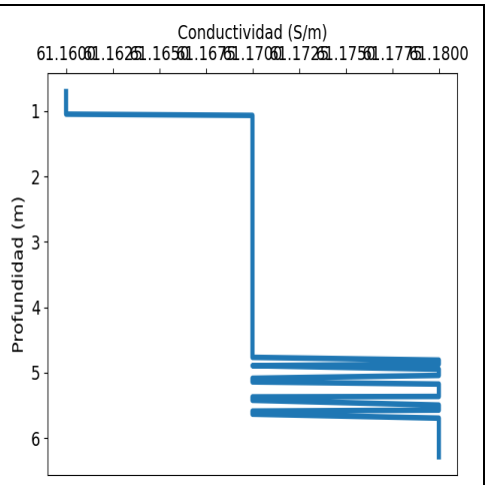
| 1.639 | 23.27 | 61.11 | 0.34 | 6.35 | 100.41 | 0.73 | 42.68 |
|---|---|---|---|---|---|---|---|
| 1.65 | 23.27 | 61.11 | 0.34 | 6.36 | 100.26 | 0.73 | 42.69 |
| 1.672 | 23.27 | 61.11 | 0.34 | 6.39 | 100.22 | 0.69 | 42.69 |
| 1.69 | 23.27 | 61.11 | 0.34 | 6.42 | 98.96 | 0.69 | 42.68 |
| 1.704 | 23.27 | 61.11 | 0.34 | 6.44 | 98.87 | 0.69 | 42.69 |
| 1.719 | 23.27 | 61.11 | 0.34 | 6.46 | 98.25 | 0.69 | 42.69 |
| 1.742 | 23.27 | 61.11 | 0.34 | 6.48 | 97.19 | 0.69 | 42.69 |
| 1.776 | 23.27 | 61.11 | 0.37 | 6.5 | 95.2 | 0.73 | 42.69 |
| 1.815 | 23.27 | 61.11 | 0.37 | 6.51 | 95.05 | 0.73 | 42.69 |
| 1.837 | 23.27 | 61.11 | 0.37 | 6.53 | 96.43 | 0.73 | 42.69 |
| 1.846 | 23.27 | 61.11 | 0.37 | 6.55 | 94.29 | 0.73 | 42.69 |
| 1.87 | 23.27 | 61.11 | 0.37 | 6.54 | 91.64 | 0.7 | 42.68 |
| 1.888 | 23.27 | 61.11 | 0.37 | 6.52 | 92.86 | 0.7 | 42.69 |
| 1.91 | 23.27 | 61.11 | 0.37 | 6.53 | 92.88 | 0.7 | 42.69 |
| 1.945 | 23.27 | 61.11 | 0.37 | 6.53 | 91.78 | 0.7 | 42.69 |
| 1.987 | 23.27 | 61.11 | 0.37 | 6.54 | 89.72 | 0.69 | 42.69 |
| 2.028 | 23.27 | 61.11 | 0.37 | 6.55 | 89.14 | 0.69 | 42.69 |
| 2.063 | 23.27 | 61.11 | 0.37 | 6.57 | 89.56 | 0.69 | 42.69 |
| 2.081 | 23.27 | 61.11 | 0.37 | 6.59 | 89.56 | 0.69 | 42.69 |
| 2.096 | 23.27 | 61.11 | 0.37 | 6.6 | 88.88 | 0.69 | 42.68 |
| 2.128 | 23.27 | 61.11 | 0.37 | 6.6 | 86.76 | 0.74 | 42.68 |
| 2.176 | 23.27 | 61.11 | 0.37 | 6.59 | 87.01 | 0.74 | 42.68 |
| 2.207 | 23.27 | 61.11 | 0.37 | 6.6 | 87.22 | 0.74 | 42.68 |
| 2.234 | 23.27 | 61.11 | 0.37 | 6.62 | 85.15 | 0.74 | 42.69 |
| 2.285 | 23.27 | 61.11 | 0.37 | 6.62 | 83.43 | 0.7 | 42.69 |
| 2.352 | 23.27 | 61.12 | 0.37 | 6.61 | 81.95 | 0.7 | 42.69 |
| 2.427 | 23.27 | 61.12 | 0.37 | 6.59 | 81.76 | 0.7 | 42.69 |
| 2.485 | 23.27 | 61.12 | 0.37 | 6.58 | 81.54 | 0.7 | 42.69 |
| 2.53 | 23.27 | 61.12 | 0.37 | 6.57 | 79.84 | 0.7 | 42.69 |
| 2.573 | 23.27 | 61.12 | 0.37 | 6.55 | 80.12 | 0.7 | 42.69 |
| 2.616 | 23.27 | 61.12 | 0.37 | 6.53 | 80.24 | 0.7 | 42.69 |
| 2.642 | 23.27 | 61.12 | 0.37 | 6.51 | 79.01 | 0.7 | 42.69 |
| 2.671 | 23.27 | 61.12 | 0.37 | 6.52 | 77.66 | 0.7 | 42.69 |
| 2.711 | 23.27 | 61.12 | 0.37 | 6.51 | 77.44 | 0.7 | 42.69 |
| 2.755 | 23.27 | 61.12 | 0.37 | 6.54 | 77.25 | 0.7 | 42.69 |
| 2.804 | 23.27 | 61.12 | 0.37 | 6.56 | 76.84 | 0.7 | 42.69 |
| 2.844 | 23.27 | 61.12 | 0.37 | 6.59 | 76.37 | 0.7 | 42.69 |
| 2.873 | 23.27 | 61.12 | 0.37 | 6.6 | 76.5 | 0.7 | 42.69 |
| 2.901 | 23.27 | 61.12 | 0.37 | 6.59 | 76.1 | 0.73 | 42.69 |
| 2.937 | 23.27 | 61.12 | 0.37 | 6.6 | 75.11 | 0.73 | 42.69 |
| 2.976 | 23.27 | 61.12 | 0.37 | 6.61 | 74.5 | 0.73 | 42.69 |
| 3.01 | 23.27 | 61.12 | 0.37 | 6.63 | 74.66 | 0.73 | 42.69 |
| 3.052 | 23.27 | 61.12 | 0.37 | 6.63 | 73.77 | 0.71 | 42.69 |
| 3.111 | 23.27 | 61.12 | 0.37 | 6.62 | 73.29 | 0.71 | 42.69 |
| 3.16 | 23.27 | 61.12 | 0.37 | 6.61 | 73.45 | 0.71 | 42.69 |
| 3.189 | 23.27 | 61.12 | 0.37 | 6.6 | 73.62 | 0.71 | 42.69 |
| 3.22 | 23.27 | 61.12 | 0.37 | 6.61 | 72.72 | 0.71 | 42.69 |
| 3.257 | 23.27 | 61.12 | 0.37 | 6.62 | 72.27 | 0.71 | 42.69 |
| 3.291 | 23.27 | 61.12 | 0.37 | 6.61 | 71.68 | 0.71 | 42.69 |
| 3.331 | 23.27 | 61.12 | 0.37 | 6.62 | 71.32 | 0.71 | 42.69 |
| 3.376 | 23.27 | 61.12 | 0.37 | 6.64 | 70.79 | 0.71 | 42.69 |
| 3.418 | 23.27 | 61.12 | 0.39 | 6.66 | 70.29 | 0.7 | 42.69 |
| 3.471 | 23.27 | 61.12 | 0.39 | 6.68 | 69.81 | 0.7 | 42.69 |
| 3.524 | 23.27 | 61.13 | 0.39 | 6.71 | 69.48 | 0.7 | 42.69 |
| 3.579 | 23.27 | 61.13 | 0.39 | 6.72 | 69.38 | 0.7 | 42.7 |
| 3.63 | 23.27 | 61.13 | 0.37 | 6.73 | 68.76 | 0.74 | 42.7 |
| 3.69 | 23.27 | 61.13 | 0.37 | 6.74 | 67.64 | 0.74 | 42.69 |
| 3.746 | 23.27 | 61.13 | 0.37 | 6.74 | 67.41 | 0.74 | 42.69 |

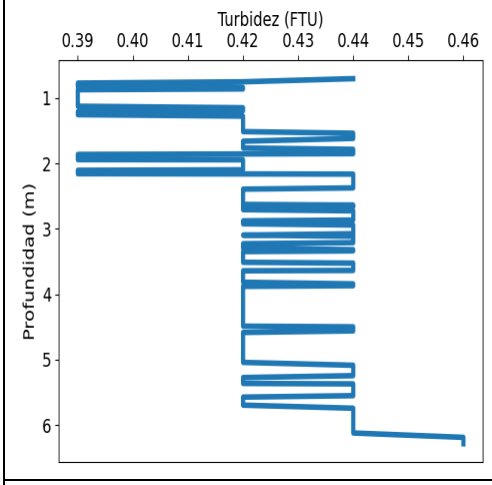
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3.771 | 23.27 | 61.13 | 0.37 | 6.74 | 67.32 | 0.74 | 42.69 |
| 3.778 | 23.28 | 61.13 | 0.37 | 6.67 | 67.48 | 0.73 | 42.69 |
| 3.79 | 23.27 | 61.13 | 0.37 | 6.66 | 66.94 | 0.73 | 42.69 |
| 3.824 | 23.27 | 61.13 | 0.37 | 6.66 | 66.58 | 0.73 | 42.69 |
| 3.872 | 23.27 | 61.14 | 0.37 | 6.67 | 65.88 | 0.75 | 42.69 |
| 3.913 | 23.28 | 61.14 | 0.37 | 6.68 | 65.5 | 0.75 | 42.69 |
| 3.949 | 23.28 | 61.14 | 0.37 | 6.66 | 65.31 | 0.75 | 42.69 |
| 4.002 | 23.28 | 61.14 | 0.37 | 6.65 | 64.89 | 0.75 | 42.69 |
| 4.057 | 23.28 | 61.14 | 0.37 | 6.63 | 64.7 | 0.77 | 42.69 |
| 4.108 | 23.28 | 61.14 | 0.37 | 6.63 | 64.0 | 0.77 | 42.69 |
| 4.167 | 23.28 | 61.14 | 0.37 | 6.63 | 63.32 | 0.77 | 42.69 |
| 4.232 | 23.28 | 61.14 | 0.37 | 6.64 | 62.68 | 0.77 | 42.69 |
| 4.295 | 23.28 | 61.14 | 0.37 | 6.67 | 62.67 | 0.77 | 42.69 |
| 4.349 | 23.28 | 61.14 | 0.37 | 6.7 | 62.27 | 0.75 | 42.69 |
| 4.383 | 23.28 | 61.14 | 0.37 | 6.71 | 62.18 | 0.75 | 42.69 |
| 4.386 | 23.28 | 61.14 | 0.37 | 6.7 | 61.96 | 0.75 | 42.69 |
| 4.394 | 23.28 | 61.14 | 0.39 | 6.7 | 61.93 | 0.75 | 42.69 |
| 4.415 | 23.28 | 61.14 | 0.39 | 6.72 | 61.68 | 0.75 | 42.69 |
| 4.458 | 23.28 | 61.14 | 0.39 | 6.73 | 61.05 | 0.75 | 42.7 |
| 4.513 | 23.28 | 61.14 | 0.39 | 6.74 | 60.7 | 0.75 | 42.7 |
| 4.564 | 23.28 | 61.14 | 0.39 | 6.75 | 60.32 | 0.75 | 42.7 |
| 4.615 | 23.28 | 61.15 | 0.39 | 6.75 | 59.83 | 0.74 | 42.7 |
| 4.647 | 23.28 | 61.15 | 0.39 | 6.74 | 59.55 | 0.74 | 42.7 |
| 4.659 | 23.28 | 61.15 | 0.39 | 6.71 | 59.71 | 0.74 | 42.7 |
| 4.672 | 23.28 | 61.15 | 0.39 | 6.68 | 59.4 | 0.74 | 42.7 |
| 4.71 | 23.28 | 61.15 | 0.39 | 6.66 | 59.2 | 0.75 | 42.7 |
| 4.756 | 23.28 | 61.15 | 0.39 | 6.66 | 58.75 | 0.75 | 42.7 |
| 4.799 | 23.28 | 61.15 | 0.39 | 6.67 | 58.19 | 0.75 | 42.7 |
| 4.837 | 23.28 | 61.15 | 0.39 | 6.68 | 57.79 | 0.75 | 42.7 |
| 4.883 | 23.28 | 61.15 | 0.39 | 6.71 | 57.38 | 0.75 | 42.7 |

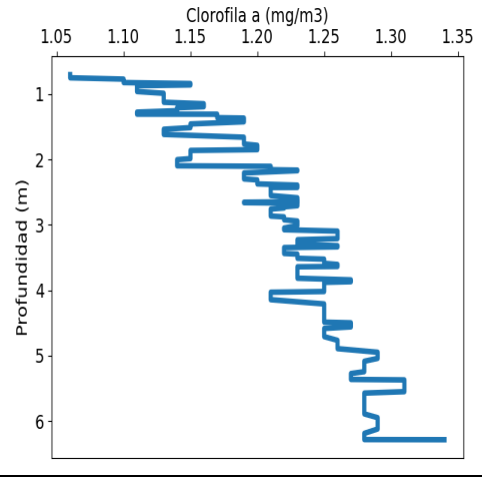
**Nombre: CTD N03 - Punto 009** **Fecha: 19/10/2022** **Hora: 10:10:16**

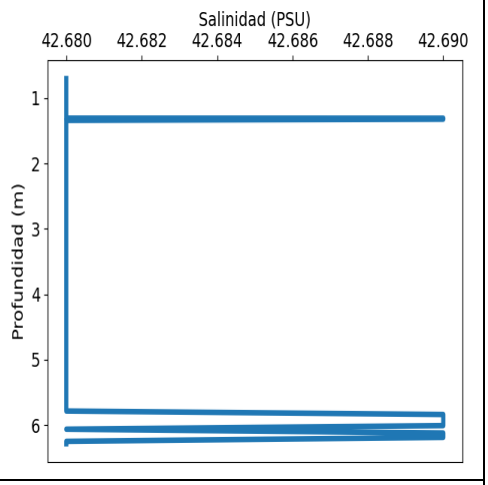


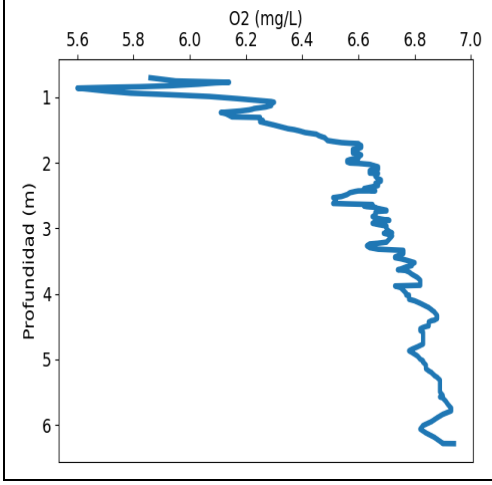



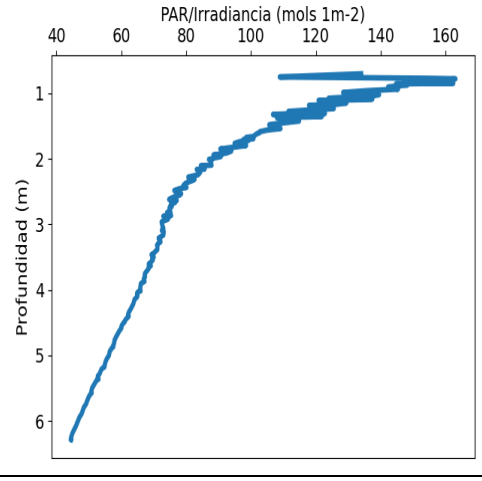




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 23.31 | 61.16 | 0.39 | 5.6 | 44.4 | 1.06 | 42.68 |
| **PROF (metros)** | 0.701 | 0.701 | 0.769 | 0.858 | 6.284 | 0.701 | 0.701 |
| **MÁXIMO** | 23.32 | 23.32 | 0.46 | 6.94 | 163.05 | 1.34 | 42.69 |
| **PROF (metros)** | 1.942 | 4.807 | 6.188 | 6.285 | 0.778 | 6.284 | 1.306 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD N03 - Punto 009 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 23.31 | 61.16 | 0.4 | 5.86 | 144.53 | 1.11 | 42.68 |
| 1 - 2m | 23.31 | 61.17 | 0.41 | 6.38 | 109.03 | 1.16 | 42.68 |
| 2 - 3m | 23.32 | 61.17 | 0.43 | 6.64 | 78.37 | 1.21 | 42.68 |
| 3 - 4m | 23.32 | 61.17 | 0.43 | 6.75 | 69.72 | 1.24 | 42.68 |
| 4 - 5m | 23.32 | 61.17 | 0.42 | 6.82 | 61.12 | 1.25 | 42.68 |
| 5 - 6m | 23.32 | 61.18 | 0.43 | 6.88 | 51.82 | 1.29 | 42.68 |
| 6 - 7m | 23.32 | 61.18 | 0.46 | 6.88 | 45.09 | 1.3 | 42.68 |

| OBSERVACIONES GENERALES |
|---|
| |

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.701 | 23.31 | 61.16 | 0.44 | 5.86 | 133.97 | 1.06 | 42.68 |
| 0.749 | 23.31 | 61.16 | 0.42 | 5.95 | 108.86 | 1.06 | 42.68 |
| 0.769 | 23.31 | 61.16 | 0.39 | 6.14 | 154.24 | 1.1 | 42.68 |
| 0.778 | 23.31 | 61.16 | 0.39 | 6.09 | 163.05 | 1.1 | 42.68 |
| 0.798 | 23.31 | 61.16 | 0.39 | 6.03 | 153.87 | 1.1 | 42.68 |
| 0.822 | 23.31 | 61.16 | 0.39 | 5.93 | 147.31 | 1.1 | 42.68 |
| 0.837 | 23.31 | 61.16 | 0.42 | 5.82 | 154.58 | 1.15 | 42.68 |
| 0.845 | 23.31 | 61.16 | 0.42 | 5.72 | 162.38 | 1.15 | 42.68 |
| 0.854 | 23.31 | 61.16 | 0.42 | 5.63 | 144.71 | 1.15 | 42.68 |
| 0.858 | 23.31 | 61.16 | 0.42 | 5.6 | 145.09 | 1.15 | 42.68 |
| 0.87 | 23.31 | 61.16 | 0.39 | 5.63 | 148.25 | 1.11 | 42.68 |
| 0.902 | 23.31 | 61.16 | 0.39 | 5.7 | 142.27 | 1.11 | 42.68 |
| 0.935 | 23.31 | 61.16 | 0.39 | 5.79 | 145.34 | 1.11 | 42.68 |
| 0.959 | 23.31 | 61.16 | 0.39 | 5.93 | 135.67 | 1.11 | 42.68 |
| 0.986 | 23.31 | 61.16 | 0.39 | 6.07 | 128.4 | 1.13 | 42.68 |
| 1.019 | 23.31 | 61.16 | 0.39 | 6.17 | 139.51 | 1.13 | 42.68 |
| 1.045 | 23.31 | 61.16 | 0.39 | 6.24 | 136.83 | 1.13 | 42.68 |
| 1.064 | 23.31 | 61.17 | 0.39 | 6.29 | 127.2 | 1.13 | 42.68 |
| 1.074 | 23.31 | 61.17 | 0.39 | 6.3 | 123.92 | 1.13 | 42.68 |
| 1.086 | 23.31 | 61.17 | 0.39 | 6.29 | 137.43 | 1.13 | 42.68 |
| 1.097 | 23.31 | 61.17 | 0.39 | 6.28 | 132.26 | 1.13 | 42.68 |
| 1.108 | 23.31 | 61.17 | 0.39 | 6.29 | 120.81 | 1.13 | 42.68 |
| 1.123 | 23.31 | 61.17 | 0.39 | 6.29 | 123.36 | 1.13 | 42.68 |
| 1.146 | 23.31 | 61.17 | 0.42 | 6.27 | 129.41 | 1.16 | 42.68 |
| 1.169 | 23.31 | 61.17 | 0.42 | 6.23 | 125.83 | 1.16 | 42.68 |
| 1.182 | 23.31 | 61.17 | 0.42 | 6.22 | 117.87 | 1.16 | 42.68 |
| 1.191 | 23.31 | 61.17 | 0.42 | 6.21 | 118.8 | 1.16 | 42.68 |
| 1.207 | 23.31 | 61.17 | 0.39 | 6.18 | 124.06 | 1.14 | 42.68 |
| 1.223 | 23.31 | 61.17 | 0.39 | 6.13 | 119.03 | 1.14 | 42.68 |
| 1.231 | 23.31 | 61.17 | 0.39 | 6.11 | 125.55 | 1.14 | 42.68 |
| 1.239 | 23.31 | 61.17 | 0.39 | 6.12 | 123.41 | 1.14 | 42.68 |
| 1.252 | 23.31 | 61.17 | 0.39 | 6.13 | 118.36 | 1.14 | 42.68 |
| 1.274 | 23.31 | 61.17 | 0.42 | 6.14 | 111.55 | 1.11 | 42.68 |
| 1.297 | 23.31 | 61.17 | 0.42 | 6.15 | 113.51 | 1.11 | 42.68 |
| 1.305 | 23.31 | 61.17 | 0.42 | 6.24 | 122.82 | 1.11 | 42.68 |

| 1.306 | 23.31 | 61.17 | 0.42 | 6.25 | 114.35 | 1.17 | 42.69 |
|---|---|---|---|---|---|---|---|
| 1.321 | 23.31 | 61.17 | 0.42 | 6.25 | 106.77 | 1.17 | 42.69 |
| 1.339 | 23.31 | 61.17 | 0.42 | 6.25 | 112.11 | 1.17 | 42.68 |
| 1.351 | 23.31 | 61.17 | 0.42 | 6.26 | 121.86 | 1.17 | 42.68 |
| 1.359 | 23.31 | 61.17 | 0.42 | 6.26 | 117.28 | 1.17 | 42.68 |
| 1.365 | 23.31 | 61.17 | 0.42 | 6.25 | 108.65 | 1.19 | 42.68 |
| 1.371 | 23.31 | 61.17 | 0.42 | 6.25 | 107.99 | 1.19 | 42.68 |
| 1.391 | 23.31 | 61.17 | 0.42 | 6.27 | 114.4 | 1.19 | 42.68 |
| 1.422 | 23.31 | 61.17 | 0.42 | 6.3 | 114.83 | 1.19 | 42.68 |
| 1.455 | 23.31 | 61.17 | 0.42 | 6.33 | 109.0 | 1.15 | 42.68 |
| 1.478 | 23.31 | 61.17 | 0.42 | 6.35 | 105.62 | 1.15 | 42.68 |
| 1.491 | 23.31 | 61.17 | 0.42 | 6.37 | 105.71 | 1.15 | 42.68 |
| 1.511 | 23.31 | 61.17 | 0.42 | 6.39 | 107.17 | 1.15 | 42.68 |
| 1.536 | 23.31 | 61.17 | 0.44 | 6.41 | 109.12 | 1.13 | 42.68 |
| 1.561 | 23.31 | 61.17 | 0.44 | 6.45 | 104.81 | 1.13 | 42.68 |
| 1.585 | 23.31 | 61.17 | 0.44 | 6.46 | 102.69 | 1.13 | 42.68 |
| 1.601 | 23.31 | 61.17 | 0.44 | 6.47 | 102.6 | 1.13 | 42.68 |
| 1.615 | 23.31 | 61.17 | 0.44 | 6.48 | 101.8 | 1.13 | 42.68 |
| 1.658 | 23.31 | 61.17 | 0.42 | 6.49 | 100.72 | 1.19 | 42.68 |
| 1.672 | 23.31 | 61.17 | 0.42 | 6.51 | 98.49 | 1.19 | 42.68 |
| 1.69 | 23.31 | 61.17 | 0.42 | 6.54 | 100.76 | 1.19 | 42.68 |
| 1.699 | 23.31 | 61.17 | 0.42 | 6.57 | 99.39 | 1.19 | 42.68 |
| 1.703 | 23.31 | 61.17 | 0.42 | 6.59 | 97.67 | 1.19 | 42.68 |
| 1.705 | 23.31 | 61.17 | 0.42 | 6.6 | 97.99 | 1.19 | 42.68 |
| 1.714 | 23.31 | 61.17 | 0.42 | 6.6 | 99.33 | 1.19 | 42.68 |
| 1.735 | 23.31 | 61.17 | 0.42 | 6.61 | 96.64 | 1.19 | 42.68 |
| 1.762 | 23.31 | 61.17 | 0.42 | 6.61 | 94.93 | 1.19 | 42.68 |
| 1.782 | 23.31 | 61.17 | 0.44 | 6.6 | 96.91 | 1.2 | 42.68 |
| 1.794 | 23.31 | 61.17 | 0.44 | 6.58 | 98.53 | 1.2 | 42.68 |
| 1.818 | 23.31 | 61.17 | 0.44 | 6.58 | 95.13 | 1.2 | 42.68 |
| 1.848 | 23.31 | 61.17 | 0.44 | 6.58 | 90.53 | 1.2 | 42.68 |
| 1.86 | 23.31 | 61.17 | 0.39 | 6.6 | 92.06 | 1.15 | 42.68 |
| 1.879 | 23.31 | 61.17 | 0.39 | 6.61 | 93.94 | 1.15 | 42.68 |
| 1.909 | 23.31 | 61.17 | 0.39 | 6.6 | 92.46 | 1.15 | 42.68 |
| 1.931 | 23.31 | 61.17 | 0.39 | 6.6 | 89.45 | 1.15 | 42.68 |
| 1.94 | 23.31 | 61.17 | 0.39 | 6.58 | 88.42 | 1.15 | 42.68 |
| 1.942 | 23.32 | 61.17 | 0.42 | 6.58 | 89.82 | 1.15 | 42.68 |
| 1.949 | 23.32 | 61.17 | 0.42 | 6.57 | 90.84 | 1.15 | 42.68 |
| 1.964 | 23.32 | 61.17 | 0.42 | 6.56 | 90.66 | 1.15 | 42.68 |
| 1.985 | 23.32 | 61.17 | 0.42 | 6.56 | 88.58 | 1.15 | 42.68 |
| 2.001 | 23.32 | 61.17 | 0.42 | 6.57 | 87.71 | 1.14 | 42.68 |
| 2.007 | 23.32 | 61.17 | 0.42 | 6.6 | 87.01 | 1.14 | 42.68 |
| 2.022 | 23.32 | 61.17 | 0.42 | 6.64 | 87.86 | 1.14 | 42.68 |
| 2.06 | 23.32 | 61.17 | 0.42 | 6.67 | 87.62 | 1.14 | 42.68 |
| 2.095 | 23.32 | 61.17 | 0.42 | 6.67 | 87.85 | 1.14 | 42.68 |
| 2.103 | 23.32 | 61.17 | 0.39 | 6.65 | 84.52 | 1.21 | 42.68 |
| 2.118 | 23.32 | 61.17 | 0.39 | 6.64 | 85.73 | 1.21 | 42.68 |
| 2.155 | 23.32 | 61.17 | 0.39 | 6.64 | 85.69 | 1.21 | 42.68 |
| 2.161 | 23.32 | 61.17 | 0.44 | 6.67 | 83.25 | 1.23 | 42.68 |
| 2.17 | 23.32 | 61.17 | 0.44 | 6.66 | 84.03 | 1.23 | 42.68 |
| 2.204 | 23.32 | 61.17 | 0.44 | 6.66 | 84.34 | 1.19 | 42.68 |
| 2.24 | 23.32 | 61.17 | 0.44 | 6.67 | 83.72 | 1.19 | 42.68 |
| 2.259 | 23.32 | 61.17 | 0.44 | 6.68 | 82.26 | 1.19 | 42.68 |
| 2.277 | 23.32 | 61.17 | 0.44 | 6.68 | 80.66 | 1.19 | 42.68 |
| 2.296 | 23.32 | 61.17 | 0.44 | 6.67 | 80.8 | 1.19 | 42.68 |
| 2.311 | 23.32 | 61.17 | 0.44 | 6.66 | 82.61 | 1.2 | 42.68 |
| 2.325 | 23.32 | 61.17 | 0.44 | 6.67 | 82.15 | 1.2 | 42.68 |
| 2.345 | 23.32 | 61.17 | 0.44 | 6.67 | 81.06 | 1.2 | 42.68 |

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|---|---|---|---|---|---|---|---|
| 2.372 | 23.32 | 61.17 | 0.44 | 6.64 | 79.82 | 1.2 | 42.68 |
| 2.391 | 23.32 | 61.17 | 0.42 | 6.62 | 79.44 | 1.23 | 42.68 |
| 2.407 | 23.32 | 61.17 | 0.42 | 6.63 | 79.13 | 1.23 | 42.68 |
| 2.42 | 23.32 | 61.17 | 0.42 | 6.65 | 79.77 | 1.23 | 42.68 |
| 2.426 | 23.32 | 61.17 | 0.42 | 6.66 | 79.63 | 1.23 | 42.68 |
| 2.427 | 23.32 | 61.17 | 0.42 | 6.6 | 79.47 | 1.21 | 42.68 |
| 2.434 | 23.32 | 61.17 | 0.42 | 6.59 | 80.12 | 1.21 | 42.68 |
| 2.454 | 23.31 | 61.17 | 0.42 | 6.57 | 78.0 | 1.21 | 42.68 |
| 2.482 | 23.31 | 61.17 | 0.42 | 6.56 | 76.35 | 1.21 | 42.68 |
| 2.512 | 23.31 | 61.17 | 0.42 | 6.54 | 77.09 | 1.21 | 42.68 |
| 2.525 | 23.32 | 61.17 | 0.42 | 6.52 | 78.13 | 1.21 | 42.68 |
| 2.53 | 23.32 | 61.17 | 0.42 | 6.51 | 78.48 | 1.21 | 42.68 |
| 2.55 | 23.32 | 61.17 | 0.42 | 6.52 | 78.05 | 1.21 | 42.68 |
| 2.585 | 23.32 | 61.17 | 0.42 | 6.52 | 76.05 | 1.23 | 42.68 |
| 2.618 | 23.32 | 61.17 | 0.42 | 6.51 | 74.74 | 1.23 | 42.68 |
| 2.624 | 23.32 | 61.17 | 0.42 | 6.55 | 76.62 | 1.23 | 42.68 |
| 2.625 | 23.32 | 61.17 | 0.42 | 6.56 | 76.08 | 1.23 | 42.68 |
| 2.635 | 23.31 | 61.17 | 0.44 | 6.65 | 77.12 | 1.22 | 42.68 |
| 2.644 | 23.31 | 61.17 | 0.42 | 6.65 | 76.27 | 1.23 | 42.68 |
| 2.651 | 23.31 | 61.17 | 0.44 | 6.65 | 76.12 | 1.19 | 42.68 |
| 2.652 | 23.32 | 61.17 | 0.44 | 6.64 | 75.33 | 1.19 | 42.68 |
| 2.654 | 23.31 | 61.17 | 0.44 | 6.62 | 75.85 | 1.19 | 42.68 |
| 2.659 | 23.31 | 61.17 | 0.44 | 6.62 | 76.47 | 1.19 | 42.68 |
| 2.667 | 23.32 | 61.17 | 0.42 | 6.63 | 76.57 | 1.23 | 42.68 |
| 2.671 | 23.32 | 61.17 | 0.42 | 6.64 | 75.7 | 1.23 | 42.68 |
| 2.677 | 23.32 | 61.17 | 0.42 | 6.66 | 75.43 | 1.23 | 42.68 |
| 2.686 | 23.32 | 61.17 | 0.42 | 6.66 | 75.43 | 1.23 | 42.68 |
| 2.705 | 23.32 | 61.17 | 0.42 | 6.68 | 75.67 | 1.23 | 42.68 |
| 2.723 | 23.32 | 61.17 | 0.44 | 6.7 | 75.57 | 1.22 | 42.68 |
| 2.731 | 23.32 | 61.17 | 0.44 | 6.7 | 74.95 | 1.22 | 42.68 |
| 2.736 | 23.32 | 61.17 | 0.44 | 6.68 | 75.33 | 1.22 | 42.68 |
| 2.74 | 23.32 | 61.17 | 0.44 | 6.67 | 75.28 | 1.22 | 42.68 |
| 2.757 | 23.32 | 61.17 | 0.44 | 6.66 | 74.92 | 1.21 | 42.68 |
| 2.784 | 23.32 | 61.17 | 0.44 | 6.66 | 74.74 | 1.21 | 42.68 |
| 2.804 | 23.32 | 61.17 | 0.44 | 6.66 | 75.15 | 1.21 | 42.68 |
| 2.819 | 23.32 | 61.17 | 0.44 | 6.65 | 74.11 | 1.21 | 42.68 |
| 2.831 | 23.32 | 61.17 | 0.44 | 6.66 | 75.13 | 1.21 | 42.68 |
| 2.848 | 23.32 | 61.17 | 0.44 | 6.67 | 75.23 | 1.21 | 42.68 |
| 2.864 | 23.32 | 61.17 | 0.44 | 6.69 | 75.38 | 1.21 | 42.68 |
| 2.876 | 23.32 | 61.17 | 0.42 | 6.71 | 72.95 | 1.22 | 42.68 |
| 2.881 | 23.32 | 61.17 | 0.42 | 6.69 | 73.88 | 1.22 | 42.68 |
| 2.9 | 23.32 | 61.17 | 0.42 | 6.66 | 74.58 | 1.22 | 42.68 |
| 2.921 | 23.32 | 61.17 | 0.42 | 6.65 | 74.35 | 1.22 | 42.68 |
| 2.94 | 23.31 | 61.17 | 0.44 | 6.67 | 73.38 | 1.23 | 42.68 |
| 2.956 | 23.31 | 61.17 | 0.44 | 6.69 | 72.57 | 1.23 | 42.68 |
| 2.963 | 23.32 | 61.17 | 0.44 | 6.7 | 72.43 | 1.23 | 42.68 |
| 2.976 | 23.32 | 61.17 | 0.44 | 6.7 | 72.6 | 1.23 | 42.68 |
| 3.009 | 23.32 | 61.17 | 0.44 | 6.7 | 72.62 | 1.23 | 42.68 |
| 3.047 | 23.32 | 61.17 | 0.44 | 6.71 | 72.89 | 1.22 | 42.68 |
| 3.068 | 23.32 | 61.17 | 0.44 | 6.72 | 73.0 | 1.22 | 42.68 |
| 3.071 | 23.32 | 61.17 | 0.44 | 6.71 | 72.65 | 1.22 | 42.68 |
| 3.073 | 23.32 | 61.17 | 0.44 | 6.69 | 72.62 | 1.22 | 42.68 |
| 3.094 | 23.32 | 61.17 | 0.42 | 6.71 | 72.53 | 1.26 | 42.68 |
| 3.112 | 23.32 | 61.17 | 0.44 | 6.72 | 73.11 | 1.26 | 42.68 |
| 3.161 | 23.32 | 61.17 | 0.44 | 6.71 | 72.99 | 1.26 | 42.68 |
| 3.209 | 23.32 | 61.17 | 0.44 | 6.7 | 71.54 | 1.26 | 42.68 |
| 3.226 | 23.32 | 61.17 | 0.42 | 6.67 | 71.6 | 1.23 | 42.68 |
| 3.237 | 23.32 | 61.17 | 0.42 | 6.64 | 72.01 | 1.23 | 42.68 |

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|---|---|---|---|---|---|---|---|
| 3.265 | 23.32 | 61.17 | 0.42 | 6.63 | 72.1 | 1.23 | 42.68 |
| 3.293 | 23.32 | 61.17 | 0.42 | 6.64 | 71.37 | 1.23 | 42.68 |
| 3.317 | 23.32 | 61.17 | 0.44 | 6.67 | 71.01 | 1.26 | 42.68 |
| 3.335 | 23.32 | 61.17 | 0.44 | 6.76 | 71.16 | 1.26 | 42.68 |
| 3.346 | 23.32 | 61.17 | 0.42 | 6.76 | 71.1 | 1.22 | 42.68 |
| 3.382 | 23.31 | 61.17 | 0.42 | 6.76 | 71.15 | 1.22 | 42.68 |
| 3.419 | 23.31 | 61.17 | 0.42 | 6.74 | 70.38 | 1.22 | 42.68 |
| 3.436 | 23.32 | 61.17 | 0.42 | 6.73 | 70.13 | 1.22 | 42.68 |
| 3.446 | 23.32 | 61.17 | 0.42 | 6.73 | 69.77 | 1.23 | 42.68 |
| 3.462 | 23.32 | 61.17 | 0.42 | 6.75 | 69.31 | 1.23 | 42.68 |
| 3.484 | 23.32 | 61.17 | 0.42 | 6.77 | 69.91 | 1.23 | 42.68 |
| 3.497 | 23.32 | 61.17 | 0.42 | 6.78 | 70.0 | 1.23 | 42.68 |
| 3.51 | 23.32 | 61.17 | 0.42 | 6.79 | 69.66 | 1.23 | 42.68 |
| 3.523 | 23.32 | 61.17 | 0.44 | 6.8 | 69.51 | 1.25 | 42.68 |
| 3.542 | 23.32 | 61.17 | 0.44 | 6.79 | 69.74 | 1.25 | 42.68 |
| 3.567 | 23.32 | 61.17 | 0.44 | 6.79 | 69.25 | 1.25 | 42.68 |
| 3.587 | 23.32 | 61.17 | 0.44 | 6.77 | 68.89 | 1.25 | 42.68 |
| 3.604 | 23.32 | 61.17 | 0.44 | 6.76 | 68.46 | 1.26 | 42.68 |
| 3.62 | 23.32 | 61.17 | 0.44 | 6.75 | 68.73 | 1.26 | 42.68 |
| 3.631 | 23.32 | 61.17 | 0.44 | 6.74 | 69.12 | 1.26 | 42.68 |
| 3.635 | 23.32 | 61.17 | 0.44 | 6.75 | 68.82 | 1.26 | 42.68 |
| 3.64 | 23.32 | 61.17 | 0.42 | 6.76 | 68.5 | 1.23 | 42.68 |
| 3.642 | 23.32 | 61.17 | 0.42 | 6.77 | 68.65 | 1.23 | 42.68 |
| 3.646 | 23.32 | 61.17 | 0.42 | 6.77 | 68.49 | 1.23 | 42.68 |
| 3.666 | 23.32 | 61.17 | 0.42 | 6.78 | 68.52 | 1.23 | 42.68 |
| 3.699 | 23.32 | 61.17 | 0.42 | 6.79 | 68.07 | 1.23 | 42.68 |
| 3.749 | 23.31 | 61.17 | 0.42 | 6.81 | 67.29 | 1.23 | 42.68 |
| 3.79 | 23.31 | 61.17 | 0.42 | 6.82 | 67.2 | 1.23 | 42.68 |
| 3.803 | 23.32 | 61.17 | 0.42 | 6.82 | 67.31 | 1.23 | 42.68 |
| 3.815 | 23.32 | 61.17 | 0.42 | 6.82 | 67.07 | 1.23 | 42.68 |
| 3.84 | 23.32 | 61.17 | 0.44 | 6.82 | 66.91 | 1.27 | 42.68 |
| 3.868 | 23.32 | 61.17 | 0.44 | 6.82 | 67.18 | 1.27 | 42.68 |
| 3.878 | 23.32 | 61.17 | 0.42 | 6.73 | 66.88 | 1.25 | 42.68 |
| 3.903 | 23.31 | 61.17 | 0.42 | 6.75 | 66.04 | 1.25 | 42.68 |
| 3.947 | 23.31 | 61.17 | 0.42 | 6.76 | 65.91 | 1.25 | 42.68 |
| 3.99 | 23.31 | 61.17 | 0.42 | 6.77 | 65.83 | 1.25 | 42.68 |
| 4.016 | 23.31 | 61.17 | 0.42 | 6.77 | 65.96 | 1.25 | 42.68 |
| 4.018 | 23.32 | 61.17 | 0.42 | 6.78 | 65.5 | 1.25 | 42.68 |
| 4.029 | 23.32 | 61.17 | 0.42 | 6.78 | 65.17 | 1.21 | 42.68 |
| 4.054 | 23.31 | 61.17 | 0.42 | 6.78 | 64.83 | 1.21 | 42.68 |
| 4.081 | 23.32 | 61.17 | 0.42 | 6.78 | 65.02 | 1.21 | 42.68 |
| 4.105 | 23.32 | 61.17 | 0.42 | 6.8 | 64.9 | 1.21 | 42.68 |
| 4.143 | 23.32 | 61.17 | 0.42 | 6.82 | 64.12 | 1.21 | 42.68 |
| 4.208 | 23.32 | 61.17 | 0.42 | 6.85 | 63.74 | 1.25 | 42.68 |
| 4.275 | 23.32 | 61.17 | 0.42 | 6.87 | 63.09 | 1.25 | 42.68 |
| 4.33 | 23.32 | 61.17 | 0.42 | 6.88 | 62.44 | 1.25 | 42.68 |
| 4.376 | 23.32 | 61.17 | 0.42 | 6.88 | 62.08 | 1.25 | 42.68 |
| 4.4 | 23.32 | 61.17 | 0.42 | 6.87 | 62.31 | 1.25 | 42.68 |
| 4.408 | 23.32 | 61.17 | 0.42 | 6.86 | 62.23 | 1.25 | 42.68 |
| 4.429 | 23.32 | 61.17 | 0.42 | 6.85 | 61.73 | 1.25 | 42.68 |
| 4.463 | 23.32 | 61.17 | 0.42 | 6.85 | 61.21 | 1.25 | 42.68 |
| 4.487 | 23.32 | 61.17 | 0.42 | 6.85 | 61.06 | 1.25 | 42.68 |
| 4.497 | 23.32 | 61.17 | 0.44 | 6.84 | 60.76 | 1.27 | 42.68 |
| 4.511 | 23.32 | 61.17 | 0.44 | 6.83 | 60.57 | 1.27 | 42.68 |
| 4.532 | 23.32 | 61.17 | 0.44 | 6.82 | 60.3 | 1.27 | 42.68 |
| 4.559 | 23.32 | 61.17 | 0.44 | 6.82 | 60.01 | 1.27 | 42.68 |
| 4.583 | 23.32 | 61.17 | 0.42 | 6.83 | 60.04 | 1.25 | 42.68 |
| 4.609 | 23.32 | 61.17 | 0.42 | 6.83 | 59.63 | 1.25 | 42.68 |

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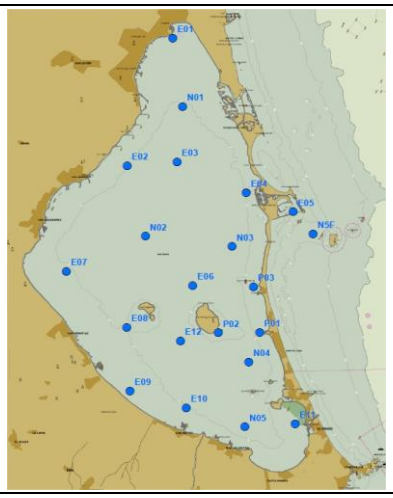
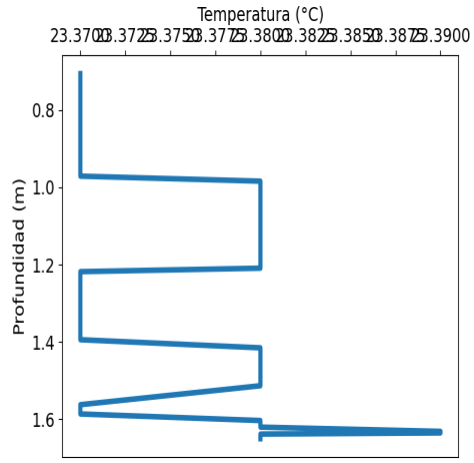
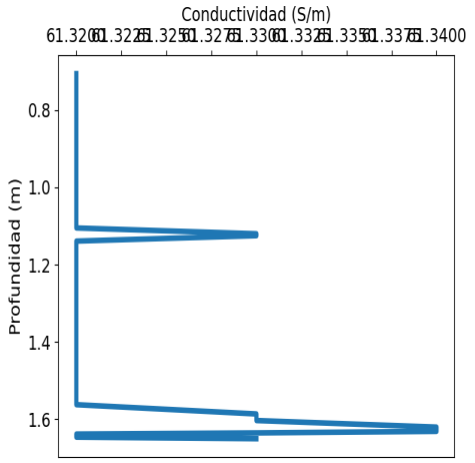
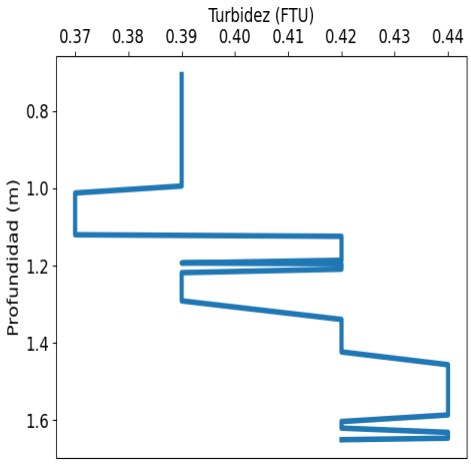
|---|---|---|---|---|---|---|---|
| 4.653 | 23.32 | 61.17 | 0.42 | 6.83 | 59.1 | 1.25 | 42.68 |
| 4.708 | 23.32 | 61.17 | 0.42 | 6.83 | 58.5 | 1.25 | 42.68 |
| 4.765 | 23.32 | 61.17 | 0.42 | 6.83 | 57.92 | 1.26 | 42.68 |
| 4.807 | 23.32 | 61.18 | 0.42 | 6.81 | 57.83 | 1.26 | 42.68 |
| 4.844 | 23.32 | 61.18 | 0.42 | 6.79 | 57.56 | 1.26 | 42.68 |
| 4.868 | 23.32 | 61.18 | 0.42 | 6.78 | 57.55 | 1.26 | 42.68 |
| 4.892 | 23.32 | 61.17 | 0.42 | 6.79 | 57.0 | 1.26 | 42.68 |
| 4.947 | 23.32 | 61.18 | 0.42 | 6.81 | 56.38 | 1.29 | 42.68 |
| 4.996 | 23.32 | 61.18 | 0.42 | 6.82 | 56.23 | 1.29 | 42.68 |
| 5.021 | 23.32 | 61.18 | 0.42 | 6.83 | 55.93 | 1.29 | 42.68 |
| 5.041 | 23.32 | 61.18 | 0.42 | 6.83 | 55.65 | 1.29 | 42.68 |
| 5.085 | 23.32 | 61.17 | 0.44 | 6.84 | 55.22 | 1.28 | 42.68 |
| 5.141 | 23.32 | 61.17 | 0.44 | 6.84 | 54.91 | 1.28 | 42.68 |
| 5.174 | 23.32 | 61.18 | 0.44 | 6.85 | 54.85 | 1.28 | 42.68 |
| 5.2 | 23.32 | 61.18 | 0.44 | 6.86 | 54.03 | 1.28 | 42.68 |
| 5.244 | 23.32 | 61.18 | 0.44 | 6.87 | 53.6 | 1.28 | 42.68 |
| 5.273 | 23.32 | 61.18 | 0.42 | 6.88 | 53.4 | 1.27 | 42.68 |
| 5.315 | 23.32 | 61.18 | 0.42 | 6.89 | 52.77 | 1.27 | 42.68 |
| 5.36 | 23.32 | 61.18 | 0.42 | 6.89 | 52.75 | 1.27 | 42.68 |
| 5.363 | 23.32 | 61.18 | 0.42 | 6.89 | 53.0 | 1.27 | 42.68 |
| 5.37 | 23.32 | 61.17 | 0.44 | 6.89 | 52.5 | 1.31 | 42.68 |
| 5.422 | 23.32 | 61.17 | 0.44 | 6.89 | 51.88 | 1.31 | 42.68 |
| 5.495 | 23.32 | 61.18 | 0.44 | 6.89 | 51.04 | 1.31 | 42.68 |
| 5.55 | 23.32 | 61.18 | 0.44 | 6.9 | 50.73 | 1.31 | 42.68 |
| 5.572 | 23.32 | 61.18 | 0.42 | 6.89 | 50.91 | 1.28 | 42.68 |
| 5.587 | 23.32 | 61.17 | 0.42 | 6.9 | 50.5 | 1.28 | 42.68 |
| 5.634 | 23.32 | 61.17 | 0.42 | 6.91 | 49.97 | 1.28 | 42.68 |
| 5.695 | 23.32 | 61.18 | 0.42 | 6.92 | 49.45 | 1.28 | 42.68 |
| 5.742 | 23.32 | 61.18 | 0.44 | 6.93 | 49.16 | 1.28 | 42.68 |
| 5.785 | 23.32 | 61.18 | 0.44 | 6.93 | 48.53 | 1.28 | 42.68 |
| 5.838 | 23.32 | 61.18 | 0.44 | 6.9 | 48.15 | 1.28 | 42.69 |
| 5.89 | 23.32 | 61.18 | 0.44 | 6.88 | 47.77 | 1.28 | 42.69 |
| 5.948 | 23.32 | 61.18 | 0.44 | 6.86 | 47.05 | 1.29 | 42.69 |
| 6.008 | 23.32 | 61.18 | 0.44 | 6.83 | 46.57 | 1.29 | 42.69 |
| 6.063 | 23.32 | 61.18 | 0.44 | 6.82 | 46.15 | 1.29 | 42.68 |
| 6.121 | 23.32 | 61.18 | 0.44 | 6.84 | 45.58 | 1.29 | 42.69 |
| 6.188 | 23.32 | 61.18 | 0.46 | 6.87 | 44.93 | 1.28 | 42.69 |
| 6.249 | 23.32 | 61.18 | 0.46 | 6.89 | 44.55 | 1.28 | 42.68 |
| 6.279 | 23.32 | 61.18 | 0.46 | 6.9 | 44.64 | 1.28 | 42.68 |
| 6.283 | 23.32 | 61.18 | 0.46 | 6.9 | 44.55 | 1.28 | 42.68 |
| 6.284 | 23.32 | 61.18 | 0.46 | 6.92 | 44.4 | 1.34 | 42.68 |
| 6.285 | 23.32 | 61.18 | 0.46 | 6.94 | 44.47 | 1.34 | 42.68 |

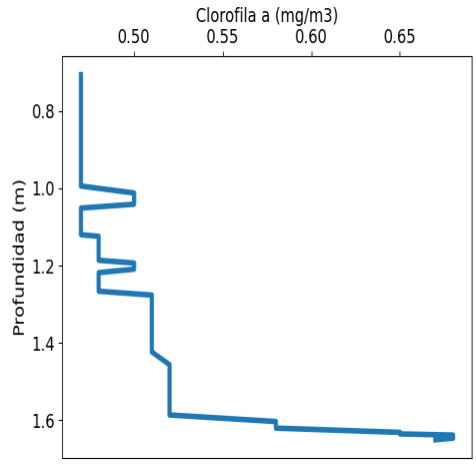
**Nombre: CTD P03 - Punto 010** **Fecha: 19/10/2022** **Hora: 10:10:53**

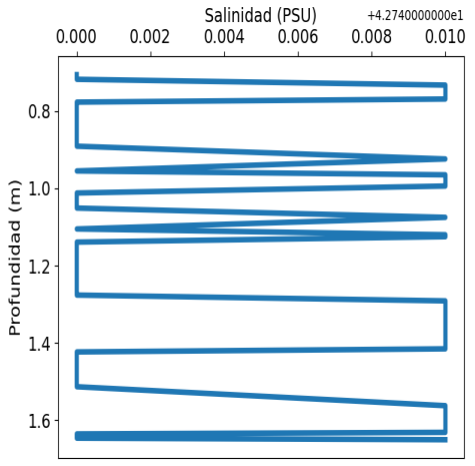


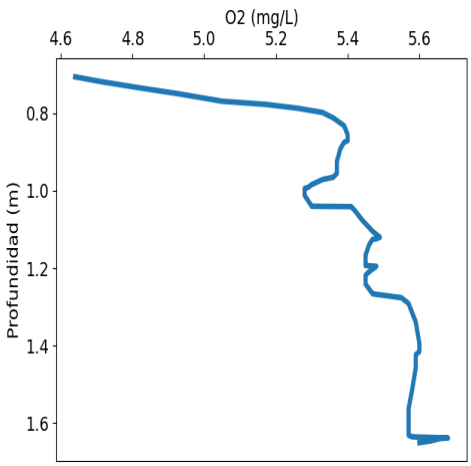



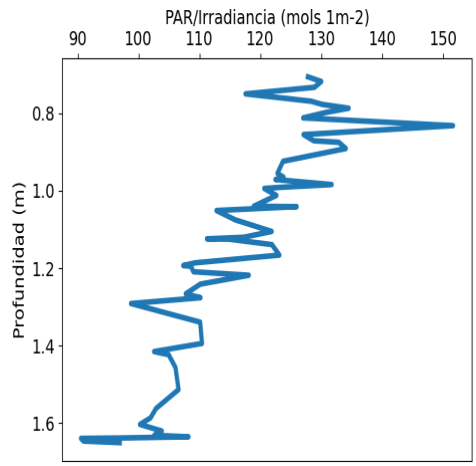




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 23.37 | 61.32 | 0.37 | 4.64 | 90.53 | 0.47 | 42.74 |
| **PROF (metros)** | 0.706 | 0.706 | 1.012 | 0.706 | 1.639 | 0.706 | 0.706 |
| **MÁXIMO** | 23.39 | 23.39 | 0.44 | 5.68 | 151.64 | 0.68 | 42.75 |
| **PROF (metros)** | 1.631 | 1.62 | 1.456 | 1.638 | 0.832 | 1.638 | 0.733 |

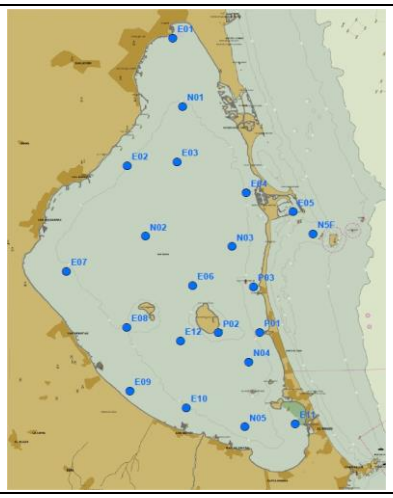
| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD P03 - Punto 010 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 23.37 | 61.32 | 0.39 | 5.22 | 128.47 | 0.47 | 42.74 |
| 1 - 2m | 23.38 | 61.32 | 0.41 | 5.52 | 108.91 | 0.53 | 42.75 |

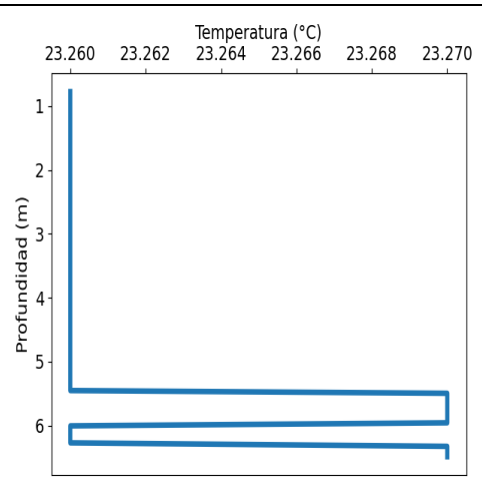
| OBSERVACIONES GENERALES |
|---|
| |

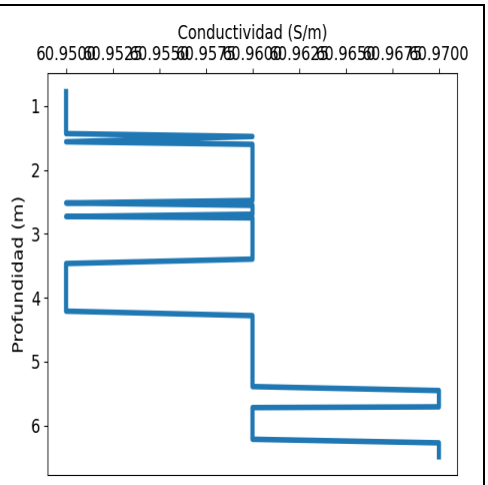
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.706 | 23.37 | 61.32 | 0.39 | 4.64 | 127.79 | 0.47 | 42.74 |
| 0.718 | 23.37 | 61.32 | 0.39 | 4.71 | 130.0 | 0.47 | 42.74 |
| 0.733 | 23.37 | 61.32 | 0.39 | 4.81 | 128.88 | 0.47 | 42.75 |
| 0.75 | 23.37 | 61.32 | 0.39 | 4.93 | 117.54 | 0.47 | 42.75 |
| 0.769 | 23.37 | 61.32 | 0.39 | 5.05 | 128.34 | 0.47 | 42.75 |
| 0.777 | 23.37 | 61.32 | 0.39 | 5.17 | 130.09 | 0.47 | 42.74 |
| 0.787 | 23.37 | 61.32 | 0.39 | 5.26 | 134.5 | 0.47 | 42.74 |
| 0.798 | 23.37 | 61.32 | 0.39 | 5.33 | 130.74 | 0.47 | 42.74 |
| 0.812 | 23.37 | 61.32 | 0.39 | 5.36 | 127.01 | 0.47 | 42.74 |
| 0.832 | 23.37 | 61.32 | 0.39 | 5.39 | 151.64 | 0.47 | 42.74 |
| 0.855 | 23.37 | 61.32 | 0.39 | 5.4 | 127.07 | 0.47 | 42.74 |
| 0.871 | 23.37 | 61.32 | 0.39 | 5.4 | 128.76 | 0.47 | 42.74 |
| 0.875 | 23.37 | 61.32 | 0.39 | 5.39 | 132.87 | 0.47 | 42.74 |
| 0.891 | 23.37 | 61.32 | 0.39 | 5.38 | 134.03 | 0.47 | 42.74 |
| 0.924 | 23.37 | 61.32 | 0.39 | 5.37 | 123.71 | 0.47 | 42.75 |
| 0.955 | 23.37 | 61.32 | 0.39 | 5.37 | 122.79 | 0.47 | 42.74 |
| 0.965 | 23.37 | 61.32 | 0.39 | 5.36 | 123.81 | 0.47 | 42.75 |
| 0.971 | 23.37 | 61.32 | 0.39 | 5.33 | 122.45 | 0.47 | 42.75 |
| 0.984 | 23.38 | 61.32 | 0.39 | 5.3 | 131.71 | 0.47 | 42.75 |
| 0.991 | 23.38 | 61.32 | 0.39 | 5.29 | 123.46 | 0.47 | 42.75 |
| 0.994 | 23.38 | 61.32 | 0.39 | 5.28 | 120.62 | 0.47 | 42.75 |
| 1.012 | 23.38 | 61.32 | 0.37 | 5.28 | 122.63 | 0.5 | 42.74 |
| 1.04 | 23.38 | 61.32 | 0.37 | 5.3 | 118.9 | 0.5 | 42.74 |
| 1.041 | 23.38 | 61.32 | 0.37 | 5.41 | 125.96 | 0.5 | 42.74 |
| 1.051 | 23.38 | 61.32 | 0.37 | 5.42 | 112.77 | 0.47 | 42.74 |
| 1.075 | 23.38 | 61.32 | 0.37 | 5.44 | 115.86 | 0.47 | 42.75 |
| 1.105 | 23.38 | 61.32 | 0.37 | 5.47 | 121.86 | 0.47 | 42.74 |
| 1.12 | 23.38 | 61.33 | 0.37 | 5.49 | 117.25 | 0.47 | 42.75 |
| 1.124 | 23.38 | 61.33 | 0.42 | 5.48 | 111.21 | 0.48 | 42.75 |
| 1.125 | 23.38 | 61.33 | 0.42 | 5.47 | 114.88 | 0.48 | 42.75 |
| 1.139 | 23.38 | 61.32 | 0.42 | 5.46 | 121.89 | 0.48 | 42.74 |
| 1.166 | 23.38 | 61.32 | 0.42 | 5.45 | 123.12 | 0.48 | 42.74 |
| 1.186 | 23.38 | 61.32 | 0.42 | 5.45 | 109.27 | 0.48 | 42.74 |
| 1.193 | 23.38 | 61.32 | 0.39 | 5.45 | 107.31 | 0.5 | 42.74 |
| 1.195 | 23.38 | 61.32 | 0.42 | 5.48 | 108.6 | 0.5 | 42.74 |
| 1.209 | 23.38 | 61.32 | 0.42 | 5.46 | 109.0 | 0.5 | 42.74 |
| 1.218 | 23.37 | 61.32 | 0.39 | 5.45 | 118.1 | 0.48 | 42.74 |
| 1.241 | 23.37 | 61.32 | 0.39 | 5.45 | 110.13 | 0.48 | 42.74 |
| 1.266 | 23.37 | 61.32 | 0.39 | 5.47 | 107.73 | 0.48 | 42.74 |
| 1.276 | 23.37 | 61.32 | 0.39 | 5.55 | 110.17 | 0.51 | 42.74 |

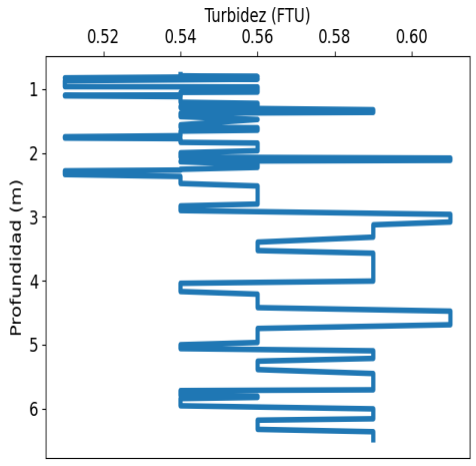
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.291 | 23.37 | 61.32 | 0.39 | 5.57 | 98.74 | 0.51 | 42.75 |
| 1.339 | 23.37 | 61.32 | 0.42 | 5.59 | 110.1 | 0.51 | 42.75 |
| 1.394 | 23.37 | 61.32 | 0.42 | 5.6 | 110.41 | 0.51 | 42.75 |
| 1.415 | 23.38 | 61.32 | 0.42 | 5.6 | 102.53 | 0.51 | 42.75 |
| 1.423 | 23.38 | 61.32 | 0.42 | 5.59 | 104.93 | 0.51 | 42.74 |
| 1.456 | 23.38 | 61.32 | 0.44 | 5.59 | 106.05 | 0.52 | 42.74 |
| 1.513 | 23.38 | 61.32 | 0.44 | 5.58 | 106.56 | 0.52 | 42.74 |
| 1.562 | 23.37 | 61.32 | 0.44 | 5.57 | 102.85 | 0.52 | 42.75 |
| 1.586 | 23.37 | 61.33 | 0.44 | 5.57 | 101.96 | 0.52 | 42.75 |
| 1.603 | 23.38 | 61.33 | 0.42 | 5.57 | 100.22 | 0.58 | 42.75 |
| 1.62 | 23.38 | 61.34 | 0.42 | 5.57 | 103.82 | 0.58 | 42.75 |
| 1.631 | 23.39 | 61.34 | 0.44 | 5.57 | 102.56 | 0.65 | 42.75 |
| 1.635 | 23.39 | 61.33 | 0.44 | 5.58 | 108.2 | 0.65 | 42.74 |
| 1.638 | 23.38 | 61.32 | 0.44 | 5.68 | 96.95 | 0.68 | 42.74 |
| 1.639 | 23.38 | 61.32 | 0.44 | 5.66 | 90.53 | 0.68 | 42.74 |
| 1.646 | 23.38 | 61.32 | 0.44 | 5.63 | 90.96 | 0.68 | 42.74 |
| 1.65 | 23.38 | 61.33 | 0.42 | 5.6 | 96.91 | 0.67 | 42.75 |

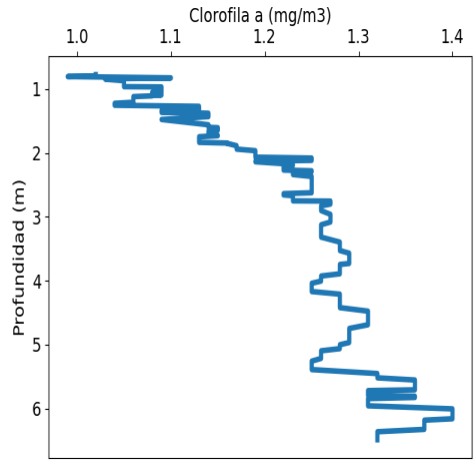
**Nombre: CTD E06 - Punto 011** **Fecha: 19/10/2022** **Hora: 10:10:19**

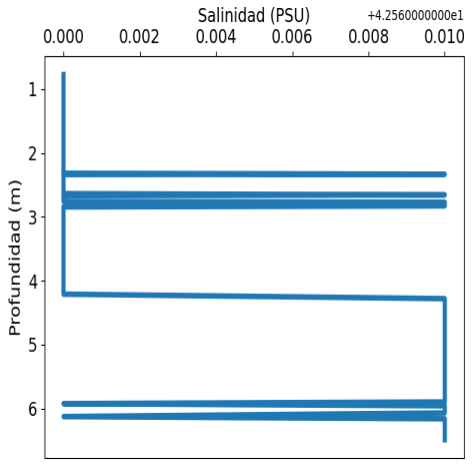


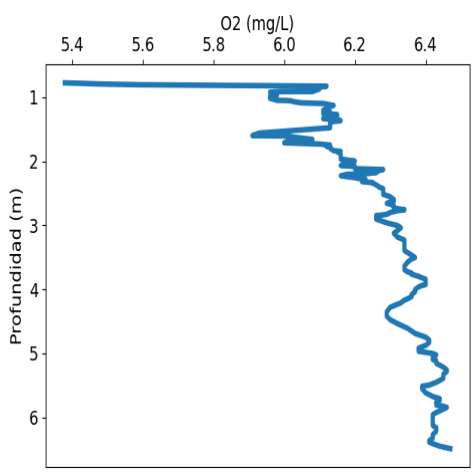



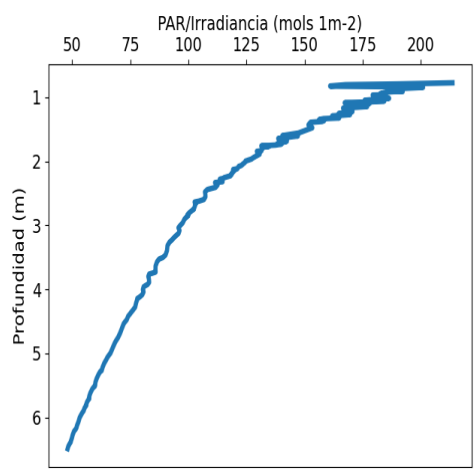




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 23.26 | 60.95 | 0.51 | 5.38 | 48.1 | 0.99 | 42.56 |
| **PROF (metros)** | 0.773 | 0.773 | 0.823 | 0.773 | 6.489 | 0.803 | 0.773 |
| **MÁXIMO** | 23.27 | 23.27 | 0.61 | 6.47 | 213.55 | 1.4 | 42.57 |
| **PROF (metros)** | 5.002 | 5.453 | 2.079 | 6.489 | 0.773 | 6.006 | 2.317 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E06 - Punto 011 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 23.26 | 60.95 | 0.53 | 5.92 | 185.17 | 1.05 | 42.56 |
| 1 - 2m | 23.26 | 60.95 | 0.54 | 6.09 | 153.52 | 1.11 | 42.56 |
| 2 - 3m | 23.26 | 60.96 | 0.55 | 6.26 | 109.33 | 1.24 | 42.56 |
| 3 - 4m | 23.26 | 60.95 | 0.58 | 6.35 | 88.21 | 1.28 | 42.56 |
| 4 - 5m | 23.26 | 60.96 | 0.57 | 6.35 | 73.9 | 1.28 | 42.57 |
| 5 - 6m | 23.27 | 60.96 | 0.56 | 6.43 | 59.45 | 1.3 | 42.57 |
| 6 - 7m | 23.27 | 60.97 | 0.58 | 6.43 | 50.54 | 1.36 | 42.57 |

| OBSERVACIONES GENERALES |
|---|
| |

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.773 | 23.26 | 60.95 | 0.54 | 5.38 | 213.55 | 1.02 | 42.56 |
| 0.791 | 23.26 | 60.95 | 0.54 | 5.48 | 190.1 | 1.02 | 42.56 |
| 0.803 | 23.26 | 60.95 | 0.56 | 5.59 | 167.55 | 0.99 | 42.56 |
| 0.823 | 23.26 | 60.95 | 0.51 | 6.1 | 160.93 | 1.1 | 42.56 |
| 0.825 | 23.26 | 60.95 | 0.51 | 6.12 | 161.28 | 1.1 | 42.56 |
| 0.838 | 23.26 | 60.95 | 0.56 | 6.1 | 200.13 | 1.03 | 42.56 |
| 0.844 | 23.26 | 60.95 | 0.56 | 6.1 | 200.92 | 1.03 | 42.56 |
| 0.868 | 23.26 | 60.95 | 0.51 | 6.1 | 188.05 | 1.05 | 42.56 |
| 0.909 | 23.26 | 60.95 | 0.51 | 6.08 | 192.19 | 1.05 | 42.56 |
| 0.91 | 23.26 | 60.95 | 0.51 | 5.99 | 188.29 | 1.05 | 42.56 |
| 0.919 | 23.26 | 60.95 | 0.51 | 5.96 | 185.04 | 1.05 | 42.56 |
| 0.942 | 23.26 | 60.95 | 0.51 | 5.97 | 182.52 | 1.05 | 42.56 |
| 0.961 | 23.26 | 60.95 | 0.51 | 5.98 | 184.16 | 1.05 | 42.56 |
| 0.965 | 23.26 | 60.95 | 0.56 | 5.98 | 179.21 | 1.09 | 42.56 |
| 0.981 | 23.26 | 60.95 | 0.56 | 5.96 | 183.67 | 1.09 | 42.56 |
| 1.015 | 23.26 | 60.95 | 0.56 | 5.96 | 186.33 | 1.09 | 42.56 |
| 1.046 | 23.26 | 60.95 | 0.56 | 5.98 | 175.77 | 1.09 | 42.56 |
| 1.05 | 23.26 | 60.95 | 0.54 | 6.01 | 176.85 | 1.08 | 42.56 |
| 1.056 | 23.26 | 60.95 | 0.54 | 6.02 | 184.28 | 1.08 | 42.56 |
| 1.071 | 23.26 | 60.95 | 0.54 | 6.03 | 178.28 | 1.08 | 42.56 |
| 1.086 | 23.26 | 60.95 | 0.54 | 6.05 | 167.18 | 1.08 | 42.56 |
| 1.089 | 23.26 | 60.95 | 0.54 | 6.07 | 170.34 | 1.09 | 42.56 |
| 1.091 | 23.26 | 60.95 | 0.54 | 6.08 | 178.0 | 1.09 | 42.56 |
| 1.094 | 23.26 | 60.95 | 0.51 | 6.11 | 176.46 | 1.08 | 42.56 |
| 1.096 | 23.26 | 60.95 | 0.51 | 6.11 | 177.54 | 1.08 | 42.56 |
| 1.105 | 23.26 | 60.95 | 0.51 | 6.12 | 173.38 | 1.08 | 42.56 |
| 1.117 | 23.26 | 60.95 | 0.54 | 6.13 | 170.08 | 1.06 | 42.56 |
| 1.126 | 23.26 | 60.95 | 0.54 | 6.14 | 174.47 | 1.06 | 42.56 |
| 1.143 | 23.26 | 60.95 | 0.54 | 6.13 | 176.88 | 1.06 | 42.56 |
| 1.169 | 23.26 | 60.95 | 0.54 | 6.12 | 166.49 | 1.06 | 42.56 |
| 1.205 | 23.26 | 60.95 | 0.54 | 6.11 | 167.11 | 1.06 | 42.56 |
| 1.222 | 23.26 | 60.95 | 0.56 | 6.12 | 170.57 | 1.04 | 42.56 |
| 1.227 | 23.26 | 60.95 | 0.56 | 6.13 | 169.94 | 1.04 | 42.56 |
| 1.252 | 23.26 | 60.95 | 0.56 | 6.11 | 164.62 | 1.04 | 42.56 |
| 1.269 | 23.26 | 60.95 | 0.54 | 6.15 | 169.53 | 1.13 | 42.56 |

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|---|---|---|---|---|---|---|---|
| 1.291 | 23.26 | 60.95 | 0.54 | 6.15 | 161.81 | 1.13 | 42.56 |
| 1.322 | 23.26 | 60.95 | 0.59 | 6.12 | 164.83 | 1.13 | 42.56 |
| 1.324 | 23.26 | 60.95 | 0.59 | 6.12 | 163.65 | 1.13 | 42.56 |
| 1.333 | 23.26 | 60.95 | 0.59 | 6.11 | 158.15 | 1.09 | 42.56 |
| 1.347 | 23.26 | 60.95 | 0.59 | 6.14 | 156.24 | 1.09 | 42.56 |
| 1.364 | 23.26 | 60.95 | 0.59 | 6.16 | 158.36 | 1.09 | 42.56 |
| 1.377 | 23.26 | 60.95 | 0.54 | 6.14 | 157.43 | 1.14 | 42.56 |
| 1.39 | 23.26 | 60.95 | 0.54 | 6.13 | 152.54 | 1.14 | 42.56 |
| 1.43 | 23.26 | 60.95 | 0.54 | 6.13 | 151.61 | 1.14 | 42.56 |
| 1.475 | 23.26 | 60.96 | 0.56 | 6.13 | 153.3 | 1.09 | 42.56 |
| 1.558 | 23.26 | 60.95 | 0.54 | 5.93 | 147.31 | 1.14 | 42.56 |
| 1.598 | 23.26 | 60.96 | 0.54 | 5.91 | 140.42 | 1.14 | 42.56 |
| 1.603 | 23.26 | 60.96 | 0.56 | 6.0 | 147.09 | 1.15 | 42.56 |
| 1.604 | 23.26 | 60.96 | 0.56 | 6.01 | 146.29 | 1.15 | 42.56 |
| 1.624 | 23.26 | 60.96 | 0.56 | 6.03 | 142.83 | 1.15 | 42.56 |
| 1.643 | 23.26 | 60.96 | 0.56 | 6.06 | 138.6 | 1.15 | 42.56 |
| 1.657 | 23.26 | 60.96 | 0.54 | 6.08 | 141.07 | 1.14 | 42.56 |
| 1.672 | 23.26 | 60.96 | 0.54 | 6.05 | 140.36 | 1.14 | 42.56 |
| 1.675 | 23.26 | 60.96 | 0.54 | 6.03 | 139.72 | 1.14 | 42.56 |
| 1.685 | 23.26 | 60.96 | 0.54 | 6.01 | 142.36 | 1.14 | 42.56 |
| 1.71 | 23.26 | 60.96 | 0.54 | 6.0 | 139.9 | 1.14 | 42.56 |
| 1.723 | 23.26 | 60.96 | 0.54 | 6.07 | 138.24 | 1.15 | 42.56 |
| 1.729 | 23.26 | 60.96 | 0.54 | 6.1 | 140.06 | 1.15 | 42.56 |
| 1.745 | 23.26 | 60.96 | 0.51 | 6.13 | 137.55 | 1.13 | 42.56 |
| 1.756 | 23.26 | 60.96 | 0.51 | 6.13 | 132.0 | 1.13 | 42.56 |
| 1.759 | 23.26 | 60.96 | 0.51 | 6.13 | 131.34 | 1.13 | 42.56 |
| 1.766 | 23.26 | 60.96 | 0.51 | 6.12 | 134.64 | 1.13 | 42.56 |
| 1.775 | 23.26 | 60.96 | 0.54 | 6.13 | 132.66 | 1.13 | 42.56 |
| 1.798 | 23.26 | 60.96 | 0.54 | 6.13 | 131.57 | 1.13 | 42.56 |
| 1.833 | 23.26 | 60.96 | 0.54 | 6.14 | 131.46 | 1.13 | 42.56 |
| 1.844 | 23.26 | 60.96 | 0.56 | 6.16 | 129.41 | 1.16 | 42.56 |
| 1.849 | 23.26 | 60.96 | 0.56 | 6.15 | 130.06 | 1.16 | 42.56 |
| 1.886 | 23.26 | 60.96 | 0.56 | 6.16 | 130.66 | 1.17 | 42.56 |
| 1.939 | 23.26 | 60.96 | 0.56 | 6.16 | 128.07 | 1.17 | 42.56 |
| 1.964 | 23.26 | 60.96 | 0.56 | 6.16 | 127.09 | 1.19 | 42.56 |
| 1.996 | 23.26 | 60.96 | 0.54 | 6.2 | 124.57 | 1.19 | 42.56 |
| 2.014 | 23.26 | 60.96 | 0.54 | 6.18 | 124.33 | 1.19 | 42.56 |
| 2.065 | 23.26 | 60.96 | 0.54 | 6.16 | 122.71 | 1.19 | 42.56 |
| 2.079 | 23.26 | 60.96 | 0.61 | 6.2 | 121.65 | 1.25 | 42.56 |
| 2.115 | 23.26 | 60.96 | 0.61 | 6.2 | 121.02 | 1.25 | 42.56 |
| 2.128 | 23.26 | 60.96 | 0.54 | 6.28 | 119.19 | 1.19 | 42.56 |
| 2.137 | 23.26 | 60.96 | 0.54 | 6.27 | 119.99 | 1.19 | 42.56 |
| 2.177 | 23.26 | 60.96 | 0.56 | 6.26 | 118.85 | 1.23 | 42.56 |
| 2.197 | 23.26 | 60.96 | 0.56 | 6.22 | 118.51 | 1.23 | 42.56 |
| 2.201 | 23.26 | 60.96 | 0.56 | 6.18 | 118.64 | 1.22 | 42.56 |
| 2.225 | 23.26 | 60.96 | 0.56 | 6.16 | 118.1 | 1.22 | 42.56 |
| 2.255 | 23.26 | 60.96 | 0.54 | 6.2 | 115.35 | 1.22 | 42.56 |
| 2.267 | 23.26 | 60.96 | 0.54 | 6.21 | 114.95 | 1.22 | 42.56 |
| 2.279 | 23.26 | 60.96 | 0.51 | 6.23 | 113.51 | 1.25 | 42.56 |
| 2.292 | 23.26 | 60.96 | 0.51 | 6.22 | 114.38 | 1.25 | 42.56 |
| 2.317 | 23.26 | 60.96 | 0.51 | 6.22 | 114.73 | 1.23 | 42.56 |
| 2.332 | 23.26 | 60.96 | 0.51 | 6.25 | 111.43 | 1.23 | 42.57 |
| 2.337 | 23.26 | 60.96 | 0.51 | 6.25 | 112.31 | 1.23 | 42.56 |
| 2.367 | 23.26 | 60.96 | 0.54 | 6.26 | 112.55 | 1.25 | 42.56 |
| 2.405 | 23.26 | 60.96 | 0.54 | 6.27 | 111.72 | 1.25 | 42.56 |
| 2.426 | 23.26 | 60.96 | 0.54 | 6.28 | 109.58 | 1.25 | 42.56 |
| 2.44 | 23.26 | 60.96 | 0.54 | 6.28 | 108.18 | 1.25 | 42.56 |
| 2.477 | 23.26 | 60.96 | 0.54 | 6.28 | 107.12 | 1.25 | 42.56 |

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|---|---|---|---|---|---|---|---|
| 2.516 | 23.26 | 60.95 | 0.56 | 6.28 | 107.29 | 1.25 | 42.56 |
| 2.553 | 23.26 | 60.96 | 0.56 | 6.3 | 107.33 | 1.25 | 42.56 |
| 2.595 | 23.26 | 60.96 | 0.56 | 6.31 | 106.7 | 1.25 | 42.56 |
| 2.622 | 23.26 | 60.96 | 0.56 | 6.31 | 104.5 | 1.25 | 42.56 |
| 2.636 | 23.26 | 60.96 | 0.56 | 6.3 | 102.67 | 1.22 | 42.56 |
| 2.656 | 23.26 | 60.96 | 0.56 | 6.29 | 103.27 | 1.22 | 42.57 |
| 2.668 | 23.26 | 60.96 | 0.56 | 6.3 | 102.96 | 1.23 | 42.56 |
| 2.692 | 23.26 | 60.96 | 0.56 | 6.31 | 102.85 | 1.23 | 42.56 |
| 2.728 | 23.26 | 60.95 | 0.56 | 6.31 | 102.53 | 1.23 | 42.56 |
| 2.749 | 23.26 | 60.96 | 0.56 | 6.33 | 102.18 | 1.23 | 42.56 |
| 2.753 | 23.26 | 60.96 | 0.56 | 6.34 | 102.24 | 1.27 | 42.56 |
| 2.758 | 23.26 | 60.96 | 0.56 | 6.34 | 101.93 | 1.27 | 42.56 |
| 2.771 | 23.26 | 60.96 | 0.56 | 6.32 | 101.49 | 1.27 | 42.57 |
| 2.799 | 23.26 | 60.96 | 0.56 | 6.3 | 100.52 | 1.27 | 42.57 |
| 2.828 | 23.26 | 60.96 | 0.54 | 6.29 | 99.76 | 1.26 | 42.57 |
| 2.844 | 23.26 | 60.96 | 0.54 | 6.27 | 99.98 | 1.26 | 42.56 |
| 2.846 | 23.26 | 60.96 | 0.54 | 6.26 | 99.48 | 1.26 | 42.56 |
| 2.856 | 23.26 | 60.96 | 0.54 | 6.26 | 99.65 | 1.26 | 42.56 |
| 2.901 | 23.26 | 60.96 | 0.54 | 6.26 | 98.34 | 1.26 | 42.56 |
| 2.961 | 23.26 | 60.96 | 0.61 | 6.29 | 97.55 | 1.27 | 42.56 |
| 3.002 | 23.26 | 60.96 | 0.61 | 6.32 | 96.49 | 1.27 | 42.56 |
| 3.038 | 23.26 | 60.96 | 0.61 | 6.33 | 95.72 | 1.27 | 42.56 |
| 3.08 | 23.26 | 60.96 | 0.61 | 6.32 | 96.2 | 1.27 | 42.56 |
| 3.124 | 23.26 | 60.96 | 0.59 | 6.31 | 95.8 | 1.26 | 42.56 |
| 3.183 | 23.26 | 60.96 | 0.59 | 6.32 | 94.04 | 1.26 | 42.56 |
| 3.23 | 23.26 | 60.96 | 0.59 | 6.34 | 92.86 | 1.26 | 42.56 |
| 3.264 | 23.26 | 60.96 | 0.59 | 6.34 | 91.86 | 1.26 | 42.56 |
| 3.317 | 23.26 | 60.96 | 0.59 | 6.34 | 91.02 | 1.26 | 42.56 |
| 3.395 | 23.26 | 60.96 | 0.56 | 6.34 | 90.8 | 1.28 | 42.56 |
| 3.464 | 23.26 | 60.95 | 0.56 | 6.36 | 90.15 | 1.28 | 42.56 |
| 3.503 | 23.26 | 60.95 | 0.56 | 6.37 | 88.98 | 1.28 | 42.56 |
| 3.527 | 23.26 | 60.95 | 0.56 | 6.36 | 87.43 | 1.28 | 42.56 |
| 3.569 | 23.26 | 60.95 | 0.59 | 6.35 | 86.52 | 1.29 | 42.56 |
| 3.637 | 23.26 | 60.95 | 0.59 | 6.34 | 85.88 | 1.29 | 42.56 |
| 3.695 | 23.26 | 60.95 | 0.59 | 6.34 | 85.86 | 1.29 | 42.56 |
| 3.729 | 23.26 | 60.95 | 0.59 | 6.35 | 85.92 | 1.29 | 42.56 |
| 3.745 | 23.26 | 60.95 | 0.59 | 6.36 | 84.69 | 1.28 | 42.56 |
| 3.762 | 23.26 | 60.95 | 0.59 | 6.36 | 83.14 | 1.28 | 42.56 |
| 3.798 | 23.26 | 60.95 | 0.59 | 6.38 | 82.76 | 1.28 | 42.56 |
| 3.842 | 23.26 | 60.95 | 0.59 | 6.4 | 83.05 | 1.28 | 42.56 |
| 3.891 | 23.26 | 60.95 | 0.59 | 6.4 | 83.14 | 1.28 | 42.56 |
| 3.926 | 23.26 | 60.95 | 0.59 | 6.4 | 82.4 | 1.26 | 42.56 |
| 3.939 | 23.26 | 60.95 | 0.59 | 6.39 | 81.67 | 1.26 | 42.56 |
| 3.961 | 23.26 | 60.95 | 0.59 | 6.38 | 80.75 | 1.26 | 42.56 |
| 4.005 | 23.26 | 60.95 | 0.59 | 6.37 | 80.41 | 1.26 | 42.56 |
| 4.04 | 23.26 | 60.95 | 0.54 | 6.37 | 80.73 | 1.25 | 42.56 |
| 4.081 | 23.26 | 60.95 | 0.54 | 6.36 | 80.22 | 1.25 | 42.56 |
| 4.116 | 23.26 | 60.95 | 0.54 | 6.36 | 79.21 | 1.25 | 42.56 |
| 4.144 | 23.26 | 60.95 | 0.54 | 6.35 | 78.03 | 1.25 | 42.56 |
| 4.169 | 23.26 | 60.95 | 0.54 | 6.34 | 77.9 | 1.25 | 42.56 |
| 4.21 | 23.26 | 60.95 | 0.56 | 6.33 | 77.54 | 1.28 | 42.56 |
| 4.28 | 23.26 | 60.96 | 0.56 | 6.3 | 77.09 | 1.28 | 42.57 |
| 4.35 | 23.26 | 60.96 | 0.56 | 6.29 | 75.59 | 1.28 | 42.57 |
| 4.421 | 23.26 | 60.96 | 0.56 | 6.29 | 74.11 | 1.28 | 42.57 |
| 4.476 | 23.26 | 60.96 | 0.61 | 6.3 | 73.46 | 1.31 | 42.57 |
| 4.534 | 23.26 | 60.96 | 0.61 | 6.32 | 72.21 | 1.31 | 42.57 |
| 4.612 | 23.26 | 60.96 | 0.61 | 6.35 | 71.38 | 1.31 | 42.57 |
| 4.689 | 23.26 | 60.96 | 0.61 | 6.37 | 70.59 | 1.31 | 42.57 |

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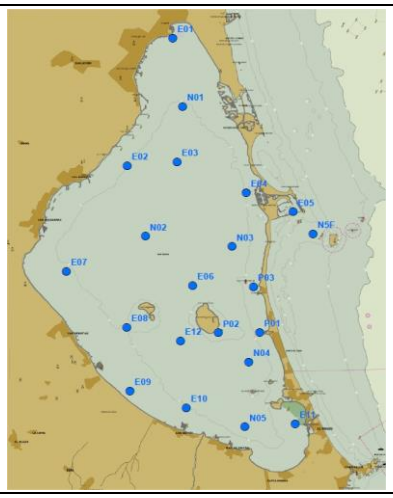
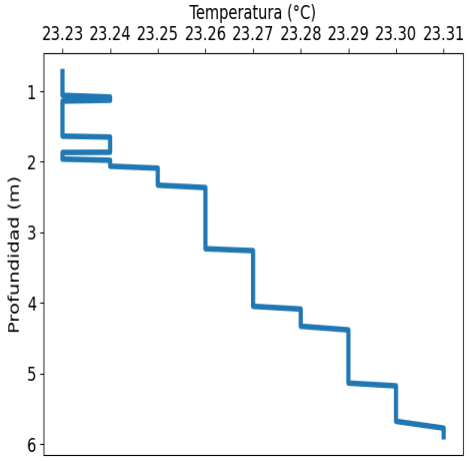
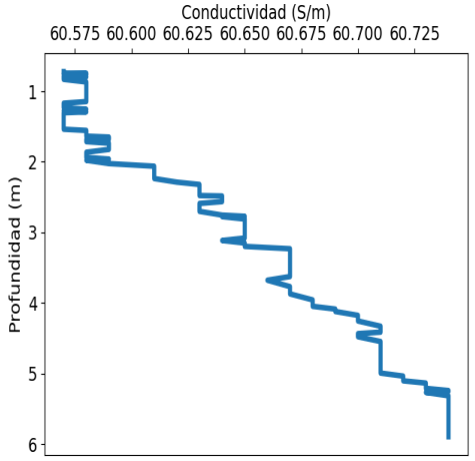
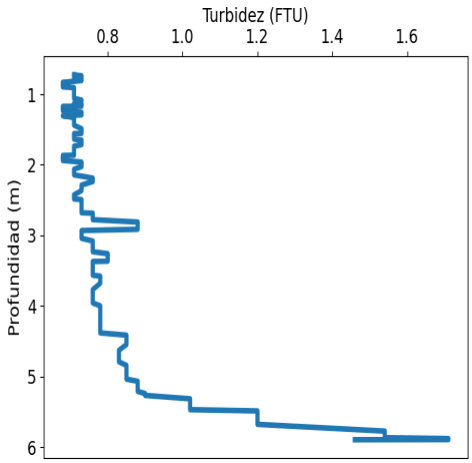
|---|---|---|---|---|---|---|---|
| 4.747 | 23.26 | 60.96 | 0.56 | 6.4 | 69.84 | 1.29 | 42.57 |
| 4.791 | 23.26 | 60.96 | 0.56 | 6.41 | 69.13 | 1.29 | 42.57 |
| 4.831 | 23.26 | 60.96 | 0.56 | 6.41 | 68.44 | 1.29 | 42.57 |
| 4.876 | 23.26 | 60.96 | 0.56 | 6.4 | 67.91 | 1.29 | 42.57 |
| 4.917 | 23.26 | 60.96 | 0.56 | 6.38 | 67.41 | 1.29 | 42.57 |
| 4.967 | 23.26 | 60.96 | 0.56 | 6.38 | 66.8 | 1.29 | 42.57 |
| 5.002 | 23.26 | 60.96 | 0.54 | 6.42 | 66.43 | 1.28 | 42.57 |
| 5.024 | 23.26 | 60.96 | 0.54 | 6.43 | 65.91 | 1.28 | 42.57 |
| 5.063 | 23.26 | 60.96 | 0.54 | 6.42 | 65.19 | 1.28 | 42.57 |
| 5.097 | 23.26 | 60.96 | 0.59 | 6.42 | 64.72 | 1.26 | 42.57 |
| 5.115 | 23.26 | 60.96 | 0.59 | 6.43 | 64.42 | 1.26 | 42.57 |
| 5.156 | 23.26 | 60.96 | 0.59 | 6.43 | 63.81 | 1.26 | 42.57 |
| 5.216 | 23.26 | 60.96 | 0.59 | 6.45 | 63.13 | 1.26 | 42.57 |
| 5.259 | 23.26 | 60.96 | 0.56 | 6.46 | 62.8 | 1.25 | 42.57 |
| 5.27 | 23.26 | 60.96 | 0.56 | 6.46 | 62.72 | 1.25 | 42.57 |
| 5.283 | 23.26 | 60.96 | 0.56 | 6.46 | 62.11 | 1.25 | 42.57 |
| 5.327 | 23.26 | 60.96 | 0.56 | 6.45 | 61.42 | 1.25 | 42.57 |
| 5.391 | 23.26 | 60.96 | 0.56 | 6.45 | 60.59 | 1.25 | 42.57 |
| 5.453 | 23.26 | 60.97 | 0.59 | 6.43 | 60.02 | 1.32 | 42.57 |
| 5.496 | 23.27 | 60.97 | 0.59 | 6.41 | 59.94 | 1.32 | 42.57 |
| 5.514 | 23.27 | 60.97 | 0.59 | 6.39 | 59.79 | 1.32 | 42.57 |
| 5.52 | 23.27 | 60.97 | 0.59 | 6.39 | 59.44 | 1.32 | 42.57 |
| 5.554 | 23.27 | 60.97 | 0.59 | 6.39 | 58.74 | 1.36 | 42.57 |
| 5.616 | 23.27 | 60.97 | 0.59 | 6.4 | 57.89 | 1.36 | 42.57 |
| 5.674 | 23.27 | 60.97 | 0.59 | 6.42 | 57.36 | 1.36 | 42.57 |
| 5.708 | 23.27 | 60.97 | 0.59 | 6.44 | 57.41 | 1.36 | 42.57 |
| 5.72 | 23.27 | 60.96 | 0.54 | 6.44 | 57.1 | 1.31 | 42.57 |
| 5.73 | 23.27 | 60.96 | 0.54 | 6.44 | 56.89 | 1.31 | 42.57 |
| 5.759 | 23.27 | 60.96 | 0.54 | 6.43 | 56.45 | 1.31 | 42.57 |
| 5.795 | 23.27 | 60.96 | 0.54 | 6.43 | 56.1 | 1.31 | 42.57 |
| 5.808 | 23.27 | 60.96 | 0.56 | 6.43 | 56.18 | 1.36 | 42.57 |
| 5.815 | 23.27 | 60.96 | 0.56 | 6.44 | 56.07 | 1.36 | 42.57 |
| 5.827 | 23.27 | 60.96 | 0.56 | 6.45 | 55.85 | 1.36 | 42.57 |
| 5.845 | 23.27 | 60.96 | 0.54 | 6.46 | 55.47 | 1.31 | 42.57 |
| 5.872 | 23.27 | 60.96 | 0.54 | 6.45 | 55.18 | 1.31 | 42.57 |
| 5.898 | 23.27 | 60.96 | 0.54 | 6.44 | 54.97 | 1.31 | 42.57 |
| 5.924 | 23.27 | 60.96 | 0.54 | 6.43 | 54.44 | 1.31 | 42.56 |
| 5.958 | 23.27 | 60.96 | 0.54 | 6.42 | 53.91 | 1.31 | 42.57 |
| 6.006 | 23.26 | 60.96 | 0.59 | 6.42 | 53.24 | 1.4 | 42.57 |
| 6.07 | 23.26 | 60.96 | 0.59 | 6.42 | 52.73 | 1.4 | 42.57 |
| 6.127 | 23.26 | 60.96 | 0.59 | 6.42 | 52.13 | 1.4 | 42.56 |
| 6.161 | 23.26 | 60.96 | 0.59 | 6.43 | 51.9 | 1.4 | 42.57 |
| 6.183 | 23.26 | 60.96 | 0.56 | 6.43 | 51.57 | 1.37 | 42.57 |
| 6.216 | 23.26 | 60.96 | 0.56 | 6.43 | 50.86 | 1.37 | 42.57 |
| 6.272 | 23.26 | 60.97 | 0.56 | 6.42 | 50.27 | 1.37 | 42.57 |
| 6.327 | 23.27 | 60.97 | 0.56 | 6.42 | 49.89 | 1.37 | 42.57 |
| 6.364 | 23.27 | 60.97 | 0.59 | 6.41 | 49.55 | 1.32 | 42.57 |
| 6.387 | 23.27 | 60.97 | 0.59 | 6.41 | 49.41 | 1.32 | 42.57 |
| 6.411 | 23.27 | 60.97 | 0.59 | 6.42 | 48.96 | 1.32 | 42.57 |
| 6.451 | 23.27 | 60.97 | 0.59 | 6.44 | 48.4 | 1.32 | 42.57 |
| 6.489 | 23.27 | 60.97 | 0.59 | 6.47 | 48.1 | 1.32 | 42.57 |

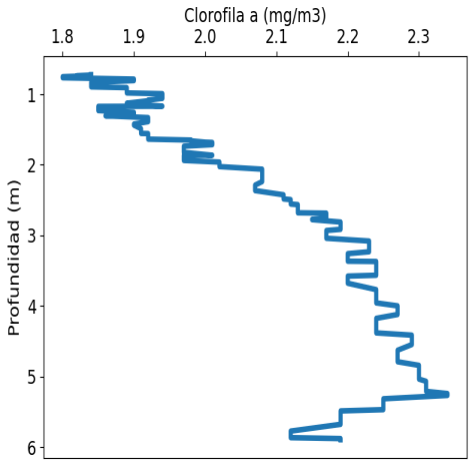
**Nombre: CTD E12 - Punto 012** **Fecha: 19/10/2022** **Hora: 10:10:25**

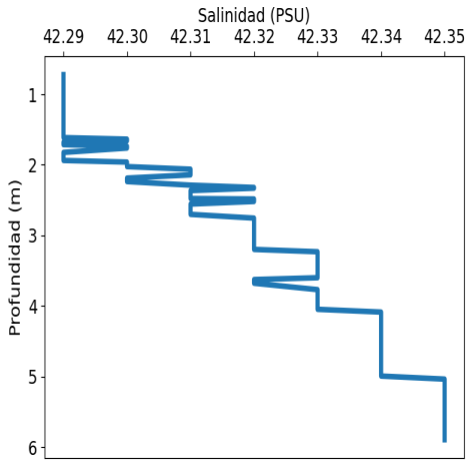


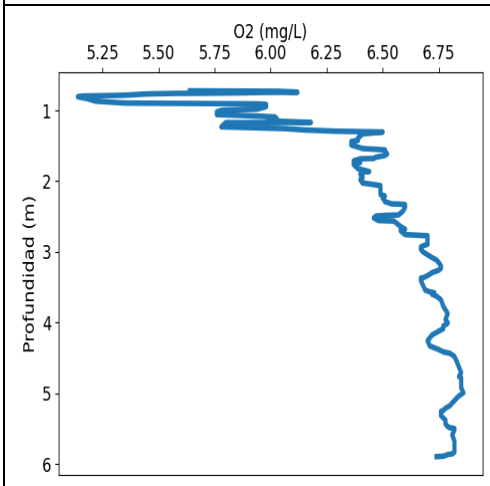



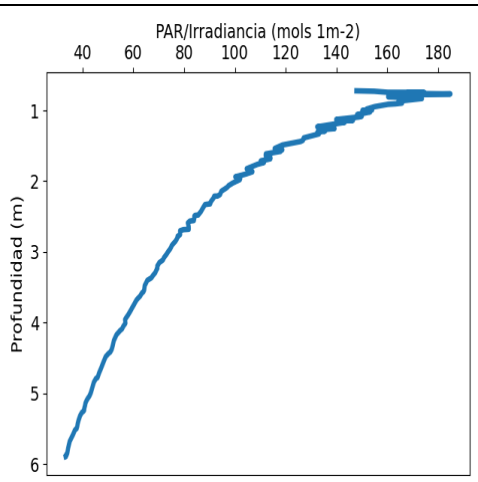




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 23.23 | 60.57 | 0.68 | 5.14 | 33.35 | 1.8 | 42.29 |
| **PROF (metros)** | 0.722 | 0.722 | 0.831 | 0.806 | 5.896 | 0.751 | 0.722 |
| **MÁXIMO** | 23.31 | 23.31 | 1.71 | 6.86 | 184.88 | 2.34 | 42.35 |
| **PROF (metros)** | 5.774 | 5.242 | 5.88 | 4.994 | 0.766 | 5.242 | 5.037 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E12 - Punto 012 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 23.23 | 60.58 | 0.71 | 5.68 | 162.64 | 1.86 | 42.29 |
| 1 - 2m | 23.23 | 60.58 | 0.72 | 6.28 | 123.72 | 1.94 | 42.29 |
| 2 - 3m | 23.25 | 60.63 | 0.75 | 6.57 | 84.88 | 2.12 | 42.31 |
| 3 - 4m | 23.27 | 60.66 | 0.77 | 6.73 | 65.8 | 2.22 | 42.33 |
| 4 - 5m | 23.28 | 60.7 | 0.82 | 6.8 | 49.68 | 2.27 | 42.34 |
| 5 - 6m | 23.3 | 60.74 | 1.18 | 6.79 | 37.57 | 2.23 | 42.35 |

| OBSERVACIONES GENERALES |
|---|
| CLOROFILA elevada en la(s) columna(s) de agua 2 - 3m, 3 - 4m, 4 - 5m, 5 - 6m con los valores 2.12, 2.22, 2.27, 2.23 respectivamente |

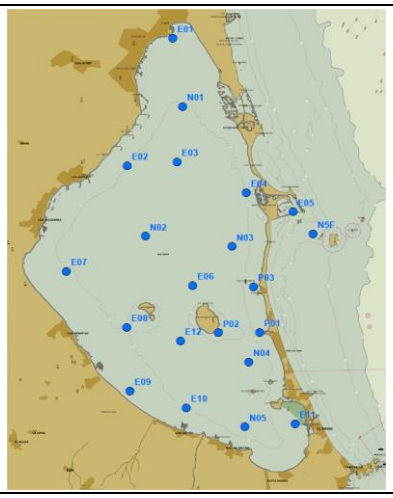
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.722 | 23.23 | 60.57 | 0.71 | 5.64 | 147.83 | 1.84 | 42.29 |
| 0.728 | 23.23 | 60.57 | 0.71 | 6.03 | 154.88 | 1.84 | 42.29 |
| 0.737 | 23.23 | 60.57 | 0.73 | 6.1 | 158.39 | 1.82 | 42.29 |
| 0.743 | 23.23 | 60.57 | 0.73 | 6.12 | 160.16 | 1.82 | 42.29 |
| 0.744 | 23.23 | 60.58 | 0.73 | 5.98 | 174.51 | 1.82 | 42.29 |
| 0.751 | 23.23 | 60.58 | 0.71 | 5.86 | 167.73 | 1.8 | 42.29 |
| 0.756 | 23.23 | 60.57 | 0.71 | 5.71 | 172.17 | 1.8 | 42.29 |
| 0.758 | 23.23 | 60.57 | 0.71 | 5.58 | 165.44 | 1.8 | 42.29 |
| 0.766 | 23.23 | 60.58 | 0.71 | 5.45 | 184.88 | 1.8 | 42.29 |
| 0.785 | 23.23 | 60.57 | 0.73 | 5.34 | 161.81 | 1.9 | 42.29 |
| 0.796 | 23.23 | 60.58 | 0.73 | 5.16 | 168.98 | 1.9 | 42.29 |
| 0.806 | 23.23 | 60.57 | 0.73 | 5.14 | 160.3 | 1.9 | 42.29 |
| 0.831 | 23.23 | 60.57 | 0.68 | 5.18 | 173.68 | 1.84 | 42.29 |
| 0.868 | 23.23 | 60.58 | 0.68 | 5.22 | 164.44 | 1.84 | 42.29 |
| 0.895 | 23.23 | 60.58 | 0.68 | 5.35 | 165.84 | 1.84 | 42.29 |
| 0.906 | 23.23 | 60.58 | 0.71 | 5.93 | 163.19 | 1.89 | 42.29 |
| 0.913 | 23.23 | 60.58 | 0.71 | 5.98 | 160.23 | 1.89 | 42.29 |
| 0.946 | 23.23 | 60.58 | 0.71 | 5.98 | 155.02 | 1.89 | 42.29 |
| 0.981 | 23.23 | 60.58 | 0.71 | 5.94 | 151.78 | 1.89 | 42.29 |
| 0.992 | 23.23 | 60.58 | 0.71 | 5.82 | 154.04 | 1.94 | 42.29 |
| 0.998 | 23.23 | 60.58 | 0.71 | 5.78 | 150.2 | 1.94 | 42.29 |
| 1.02 | 23.23 | 60.58 | 0.71 | 5.76 | 153.27 | 1.94 | 42.29 |
| 1.058 | 23.23 | 60.58 | 0.71 | 5.76 | 148.09 | 1.94 | 42.29 |
| 1.082 | 23.24 | 60.58 | 0.73 | 5.96 | 149.97 | 1.92 | 42.29 |
| 1.092 | 23.24 | 60.58 | 0.73 | 6.02 | 148.76 | 1.92 | 42.29 |
| 1.127 | 23.24 | 60.58 | 0.71 | 6.03 | 139.87 | 1.89 | 42.29 |
| 1.139 | 23.23 | 60.58 | 0.73 | 6.02 | 146.51 | 1.91 | 42.29 |
| 1.146 | 23.23 | 60.58 | 0.73 | 5.99 | 140.76 | 1.91 | 42.29 |
| 1.169 | 23.23 | 60.57 | 0.73 | 6.18 | 143.23 | 1.94 | 42.29 |
| 1.172 | 23.23 | 60.57 | 0.68 | 5.8 | 142.46 | 1.85 | 42.29 |
| 1.231 | 23.23 | 60.57 | 0.68 | 5.78 | 132.38 | 1.85 | 42.29 |
| 1.256 | 23.23 | 60.58 | 0.73 | 6.06 | 139.27 | 1.9 | 42.29 |
| 1.275 | 23.23 | 60.57 | 0.73 | 6.15 | 133.04 | 1.9 | 42.29 |
| 1.292 | 23.23 | 60.58 | 0.73 | 6.28 | 135.5 | 1.89 | 42.29 |

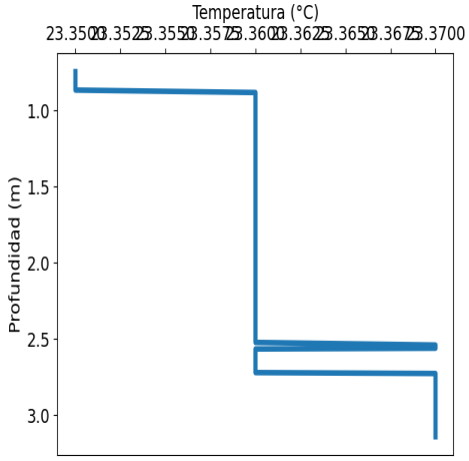
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.305 | 23.23 | 60.57 | 0.68 | 6.5 | 132.49 | 1.86 | 42.29 |
| 1.331 | 23.23 | 60.57 | 0.71 | 6.41 | 133.1 | 1.92 | 42.29 |
| 1.388 | 23.23 | 60.57 | 0.71 | 6.39 | 127.07 | 1.92 | 42.29 |
| 1.422 | 23.23 | 60.57 | 0.71 | 6.39 | 126.79 | 1.9 | 42.29 |
| 1.438 | 23.23 | 60.57 | 0.71 | 6.36 | 125.88 | 1.9 | 42.29 |
| 1.488 | 23.23 | 60.57 | 0.73 | 6.36 | 118.72 | 1.91 | 42.29 |
| 1.538 | 23.23 | 60.57 | 0.73 | 6.41 | 115.63 | 1.91 | 42.29 |
| 1.555 | 23.23 | 60.58 | 0.73 | 6.5 | 118.69 | 1.91 | 42.29 |
| 1.557 | 23.23 | 60.58 | 0.71 | 6.51 | 118.36 | 1.92 | 42.29 |
| 1.578 | 23.23 | 60.58 | 0.71 | 6.51 | 117.97 | 1.92 | 42.29 |
| 1.614 | 23.23 | 60.58 | 0.71 | 6.52 | 112.16 | 1.92 | 42.29 |
| 1.636 | 23.23 | 60.58 | 0.71 | 6.51 | 112.11 | 1.92 | 42.3 |
| 1.649 | 23.24 | 60.59 | 0.73 | 6.49 | 113.88 | 1.98 | 42.3 |
| 1.66 | 23.24 | 60.59 | 0.73 | 6.47 | 113.96 | 1.98 | 42.3 |
| 1.679 | 23.24 | 60.59 | 0.73 | 6.46 | 113.88 | 2.0 | 42.29 |
| 1.683 | 23.24 | 60.58 | 0.73 | 6.4 | 113.98 | 2.01 | 42.29 |
| 1.714 | 23.24 | 60.58 | 0.73 | 6.37 | 110.13 | 2.01 | 42.29 |
| 1.736 | 23.24 | 60.59 | 0.71 | 6.4 | 111.43 | 1.97 | 42.3 |
| 1.762 | 23.24 | 60.59 | 0.71 | 6.37 | 108.82 | 1.97 | 42.3 |
| 1.824 | 23.24 | 60.59 | 0.71 | 6.39 | 104.61 | 1.97 | 42.29 |
| 1.864 | 23.24 | 60.58 | 0.71 | 6.44 | 106.91 | 2.01 | 42.29 |
| 1.867 | 23.23 | 60.58 | 0.68 | 6.42 | 106.89 | 1.97 | 42.29 |
| 1.9 | 23.23 | 60.58 | 0.68 | 6.4 | 104.2 | 1.97 | 42.29 |
| 1.938 | 23.23 | 60.58 | 0.68 | 6.41 | 100.13 | 1.97 | 42.29 |
| 1.961 | 23.23 | 60.59 | 0.73 | 6.41 | 102.11 | 2.02 | 42.3 |
| 1.978 | 23.24 | 60.58 | 0.73 | 6.4 | 101.93 | 2.02 | 42.3 |
| 2.025 | 23.24 | 60.59 | 0.73 | 6.41 | 99.2 | 2.02 | 42.3 |
| 2.062 | 23.24 | 60.61 | 0.71 | 6.49 | 97.55 | 2.08 | 42.31 |
| 2.09 | 23.25 | 60.61 | 0.71 | 6.49 | 96.83 | 2.08 | 42.31 |
| 2.142 | 23.25 | 60.61 | 0.71 | 6.49 | 94.64 | 2.08 | 42.31 |
| 2.188 | 23.25 | 60.61 | 0.76 | 6.49 | 94.16 | 2.08 | 42.3 |
| 2.21 | 23.25 | 60.61 | 0.76 | 6.51 | 93.17 | 2.08 | 42.3 |
| 2.212 | 23.25 | 60.61 | 0.76 | 6.5 | 91.84 | 2.08 | 42.3 |
| 2.237 | 23.25 | 60.61 | 0.76 | 6.5 | 91.58 | 2.08 | 42.3 |
| 2.288 | 23.25 | 60.62 | 0.73 | 6.51 | 90.55 | 2.07 | 42.31 |
| 2.321 | 23.25 | 60.63 | 0.73 | 6.54 | 90.27 | 2.07 | 42.32 |
| 2.325 | 23.25 | 60.63 | 0.73 | 6.58 | 89.18 | 2.07 | 42.32 |
| 2.331 | 23.25 | 60.63 | 0.73 | 6.6 | 88.21 | 2.07 | 42.32 |
| 2.365 | 23.26 | 60.63 | 0.73 | 6.6 | 87.62 | 2.07 | 42.31 |
| 2.425 | 23.26 | 60.63 | 0.71 | 6.59 | 86.69 | 2.11 | 42.31 |
| 2.478 | 23.26 | 60.63 | 0.71 | 6.57 | 85.56 | 2.11 | 42.31 |
| 2.484 | 23.26 | 60.64 | 0.71 | 6.51 | 84.27 | 2.11 | 42.32 |
| 2.493 | 23.26 | 60.64 | 0.73 | 6.47 | 84.01 | 2.12 | 42.32 |
| 2.519 | 23.26 | 60.64 | 0.73 | 6.46 | 84.01 | 2.12 | 42.32 |
| 2.556 | 23.26 | 60.64 | 0.73 | 6.48 | 83.83 | 2.12 | 42.31 |
| 2.564 | 23.26 | 60.64 | 0.73 | 6.55 | 82.24 | 2.13 | 42.31 |
| 2.59 | 23.26 | 60.63 | 0.73 | 6.56 | 81.45 | 2.13 | 42.31 |
| 2.641 | 23.26 | 60.63 | 0.73 | 6.58 | 81.81 | 2.13 | 42.31 |
| 2.68 | 23.26 | 60.63 | 0.73 | 6.6 | 81.84 | 2.13 | 42.31 |
| 2.685 | 23.26 | 60.63 | 0.76 | 6.58 | 79.7 | 2.17 | 42.31 |
| 2.702 | 23.26 | 60.63 | 0.76 | 6.58 | 78.39 | 2.17 | 42.31 |
| 2.755 | 23.26 | 60.64 | 0.76 | 6.6 | 78.44 | 2.17 | 42.32 |
| 2.772 | 23.26 | 60.65 | 0.76 | 6.7 | 77.81 | 2.15 | 42.32 |
| 2.777 | 23.26 | 60.64 | 0.76 | 6.7 | 77.46 | 2.15 | 42.32 |
| 2.811 | 23.26 | 60.65 | 0.88 | 6.7 | 77.22 | 2.19 | 42.32 |
| 2.852 | 23.26 | 60.65 | 0.88 | 6.7 | 76.52 | 2.19 | 42.32 |
| 2.892 | 23.26 | 60.65 | 0.88 | 6.7 | 75.51 | 2.19 | 42.32 |
| 2.914 | 23.26 | 60.65 | 0.88 | 6.68 | 75.08 | 2.19 | 42.32 |

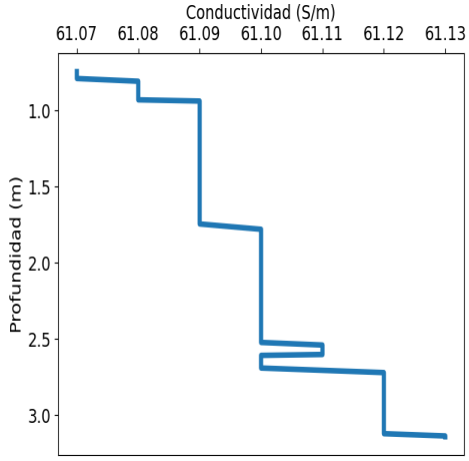
| 2.931 | 23.26 | 60.65 | 0.73 | 6.67 | 74.9 | 2.17 | 42.32 |
|---|---|---|---|---|---|---|---|
| 2.962 | 23.26 | 60.65 | 0.73 | 6.67 | 74.41 | 2.17 | 42.32 |
| 3.001 | 23.26 | 60.65 | 0.73 | 6.68 | 73.62 | 2.17 | 42.32 |
| 3.041 | 23.26 | 60.65 | 0.73 | 6.7 | 72.92 | 2.17 | 42.32 |
| 3.08 | 23.26 | 60.65 | 0.76 | 6.72 | 72.08 | 2.23 | 42.32 |
| 3.115 | 23.26 | 60.64 | 0.76 | 6.74 | 71.63 | 2.23 | 42.32 |
| 3.151 | 23.26 | 60.65 | 0.76 | 6.75 | 70.26 | 2.23 | 42.32 |
| 3.199 | 23.26 | 60.65 | 0.76 | 6.76 | 69.44 | 2.23 | 42.32 |
| 3.232 | 23.26 | 60.67 | 0.76 | 6.76 | 69.46 | 2.23 | 42.33 |
| 3.259 | 23.27 | 60.67 | 0.8 | 6.75 | 69.06 | 2.2 | 42.33 |
| 3.294 | 23.27 | 60.67 | 0.8 | 6.72 | 68.62 | 2.2 | 42.33 |
| 3.336 | 23.27 | 60.67 | 0.8 | 6.7 | 67.69 | 2.2 | 42.33 |
| 3.366 | 23.27 | 60.67 | 0.8 | 6.68 | 67.1 | 2.2 | 42.33 |
| 3.37 | 23.27 | 60.67 | 0.76 | 6.67 | 66.97 | 2.24 | 42.33 |
| 3.402 | 23.27 | 60.67 | 0.76 | 6.67 | 65.51 | 2.24 | 42.33 |
| 3.477 | 23.27 | 60.67 | 0.76 | 6.68 | 64.48 | 2.24 | 42.33 |
| 3.542 | 23.27 | 60.67 | 0.76 | 6.69 | 64.26 | 2.24 | 42.33 |
| 3.565 | 23.27 | 60.67 | 0.76 | 6.71 | 63.96 | 2.24 | 42.33 |
| 3.577 | 23.27 | 60.67 | 0.78 | 6.73 | 63.49 | 2.2 | 42.33 |
| 3.6 | 23.27 | 60.67 | 0.78 | 6.72 | 63.08 | 2.2 | 42.33 |
| 3.626 | 23.27 | 60.67 | 0.78 | 6.74 | 62.64 | 2.2 | 42.32 |
| 3.678 | 23.27 | 60.66 | 0.78 | 6.76 | 61.29 | 2.2 | 42.32 |
| 3.769 | 23.27 | 60.67 | 0.76 | 6.77 | 59.88 | 2.24 | 42.33 |
| 3.872 | 23.27 | 60.67 | 0.76 | 6.79 | 58.28 | 2.24 | 42.33 |
| 3.957 | 23.27 | 60.68 | 0.76 | 6.78 | 56.73 | 2.24 | 42.33 |
| 3.999 | 23.27 | 60.68 | 0.78 | 6.79 | 56.84 | 2.27 | 42.33 |
| 4.009 | 23.27 | 60.68 | 0.78 | 6.79 | 56.89 | 2.27 | 42.33 |
| 4.048 | 23.27 | 60.68 | 0.78 | 6.77 | 56.13 | 2.27 | 42.33 |
| 4.087 | 23.28 | 60.69 | 0.78 | 6.77 | 55.58 | 2.27 | 42.34 |
| 4.121 | 23.28 | 60.69 | 0.78 | 6.75 | 54.58 | 2.27 | 42.34 |
| 4.176 | 23.28 | 60.7 | 0.78 | 6.72 | 53.29 | 2.24 | 42.34 |
| 4.256 | 23.28 | 60.7 | 0.78 | 6.7 | 52.32 | 2.24 | 42.34 |
| 4.33 | 23.28 | 60.71 | 0.78 | 6.71 | 51.85 | 2.24 | 42.34 |
| 4.382 | 23.29 | 60.71 | 0.78 | 6.75 | 51.45 | 2.24 | 42.34 |
| 4.414 | 23.29 | 60.71 | 0.85 | 6.77 | 50.98 | 2.29 | 42.34 |
| 4.435 | 23.29 | 60.7 | 0.85 | 6.8 | 50.29 | 2.29 | 42.34 |
| 4.479 | 23.29 | 60.7 | 0.85 | 6.82 | 49.16 | 2.29 | 42.34 |
| 4.547 | 23.29 | 60.71 | 0.85 | 6.83 | 48.35 | 2.29 | 42.34 |
| 4.628 | 23.29 | 60.71 | 0.83 | 6.84 | 47.49 | 2.27 | 42.34 |
| 4.709 | 23.29 | 60.71 | 0.83 | 6.85 | 46.56 | 2.27 | 42.34 |
| 4.764 | 23.29 | 60.71 | 0.83 | 6.84 | 46.04 | 2.27 | 42.34 |
| 4.78 | 23.29 | 60.71 | 0.83 | 6.85 | 45.84 | 2.27 | 42.34 |
| 4.791 | 23.29 | 60.71 | 0.83 | 6.85 | 45.26 | 2.27 | 42.34 |
| 4.842 | 23.29 | 60.71 | 0.85 | 6.85 | 44.47 | 2.3 | 42.34 |
| 4.92 | 23.29 | 60.71 | 0.85 | 6.85 | 43.85 | 2.3 | 42.34 |
| 4.994 | 23.29 | 60.71 | 0.85 | 6.86 | 43.24 | 2.3 | 42.34 |
| 5.037 | 23.29 | 60.72 | 0.85 | 6.84 | 42.73 | 2.3 | 42.35 |
| 5.068 | 23.29 | 60.72 | 0.88 | 6.83 | 42.13 | 2.31 | 42.35 |
| 5.104 | 23.29 | 60.72 | 0.88 | 6.82 | 41.56 | 2.31 | 42.35 |
| 5.136 | 23.29 | 60.73 | 0.88 | 6.81 | 41.17 | 2.31 | 42.35 |
| 5.175 | 23.3 | 60.73 | 0.88 | 6.8 | 40.96 | 2.31 | 42.35 |
| 5.211 | 23.3 | 60.73 | 0.88 | 6.78 | 40.7 | 2.31 | 42.35 |
| 5.242 | 23.3 | 60.74 | 0.9 | 6.77 | 40.62 | 2.34 | 42.35 |
| 5.254 | 23.3 | 60.74 | 0.9 | 6.76 | 40.35 | 2.34 | 42.35 |
| 5.268 | 23.3 | 60.73 | 0.9 | 6.76 | 39.8 | 2.34 | 42.35 |
| 5.316 | 23.3 | 60.74 | 1.02 | 6.76 | 39.04 | 2.25 | 42.35 |
| 5.379 | 23.3 | 60.74 | 1.02 | 6.78 | 38.45 | 2.25 | 42.35 |
| 5.434 | 23.3 | 60.74 | 1.02 | 6.78 | 38.07 | 2.25 | 42.35 |

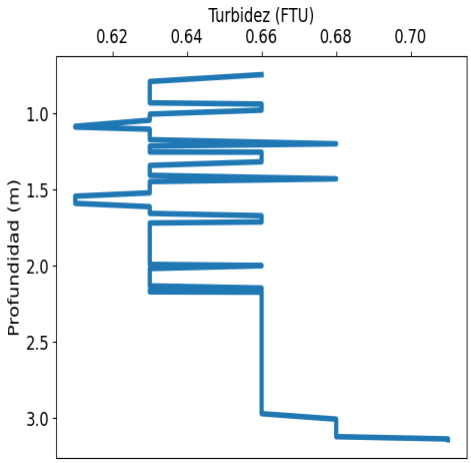
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5.47 | 23.3 | 60.74 | 1.02 | 6.79 | 37.91 | 2.25 | 42.35 |
| 5.488 | 23.3 | 60.74 | 1.2 | 6.8 | 37.74 | 2.19 | 42.35 |
| 5.497 | 23.3 | 60.74 | 1.2 | 6.82 | 37.7 | 2.19 | 42.35 |
| 5.52 | 23.3 | 60.74 | 1.2 | 6.82 | 37.0 | 2.19 | 42.35 |
| 5.588 | 23.3 | 60.74 | 1.2 | 6.81 | 36.19 | 2.19 | 42.35 |
| 5.678 | 23.3 | 60.74 | 1.2 | 6.82 | 34.96 | 2.19 | 42.35 |
| 5.774 | 23.31 | 60.74 | 1.54 | 6.82 | 34.33 | 2.12 | 42.35 |
| 5.833 | 23.31 | 60.74 | 1.54 | 6.82 | 34.05 | 2.12 | 42.35 |
| 5.856 | 23.31 | 60.74 | 1.54 | 6.81 | 33.9 | 2.12 | 42.35 |
| 5.867 | 23.31 | 60.74 | 1.54 | 6.79 | 33.57 | 2.12 | 42.35 |
| 5.88 | 23.31 | 60.74 | 1.71 | 6.78 | 33.51 | 2.19 | 42.35 |
| 5.89 | 23.31 | 60.74 | 1.71 | 6.77 | 33.51 | 2.19 | 42.35 |
| 5.894 | 23.31 | 60.74 | 1.71 | 6.75 | 33.48 | 2.19 | 42.35 |
| 5.896 | 23.31 | 60.74 | 1.46 | 6.74 | 33.35 | 2.19 | 42.35 |

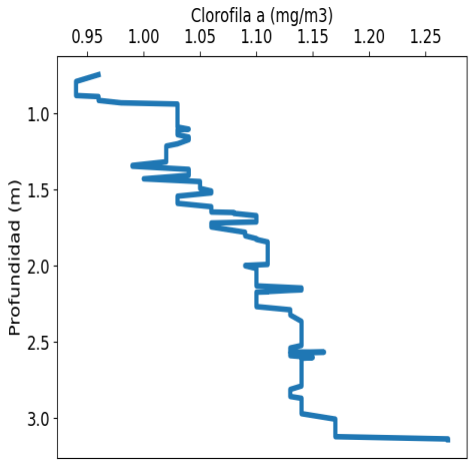
**Nombre: CTD P02 - Punto 013** **Fecha: 19/10/2022** **Hora: 10:10:03**

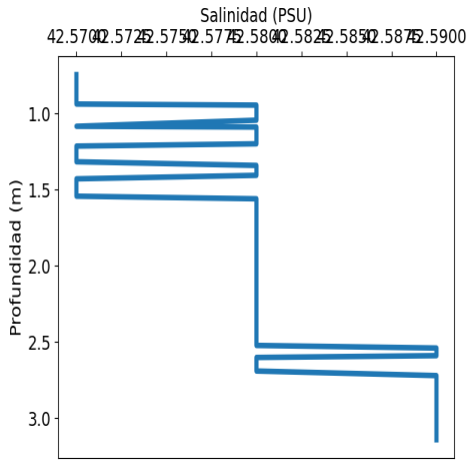


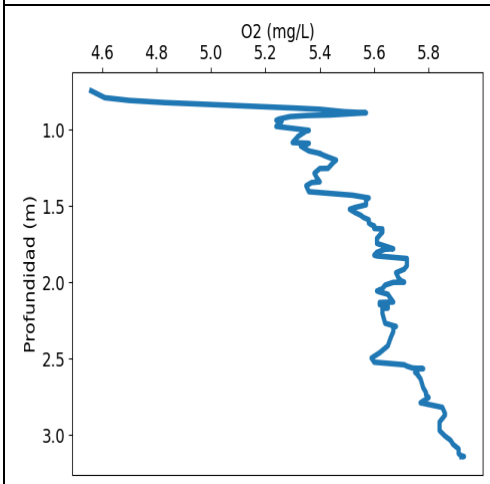



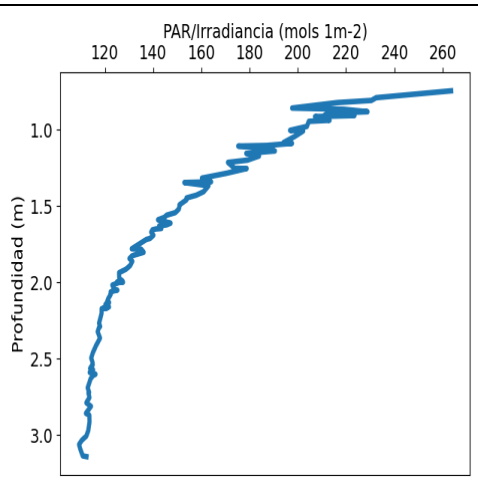




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 23.35 | 61.07 | 0.61 | 4.56 | 109.29 | 0.94 | 42.57 |
| **PROF (metros)** | 0.744 | 0.744 | 1.083 | 0.744 | 3.061 | 0.789 | 0.744 |
| **MÁXIMO** | 23.37 | 23.37 | 0.71 | 5.93 | 263.55 | 1.27 | 42.59 |
| **PROF (metros)** | 2.539 | 3.136 | 3.136 | 3.14 | 0.744 | 3.136 | 2.539 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD P02 - Punto 013 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 23.36 | 61.08 | 0.64 | 5.19 | 218.39 | 0.97 | 42.57 |
| 1 - 2m | 23.36 | 61.09 | 0.64 | 5.53 | 153.94 | 1.06 | 42.58 |
| 2 - 3m | 23.36 | 61.11 | 0.65 | 5.71 | 117.12 | 1.12 | 42.58 |
| 3 - 4m | 23.37 | 61.12 | 0.69 | 5.9 | 110.97 | 1.21 | 42.59 |

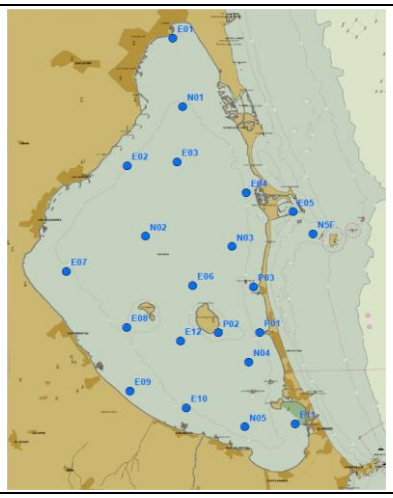
| OBSERVACIONES GENERALES |
|---|
| |

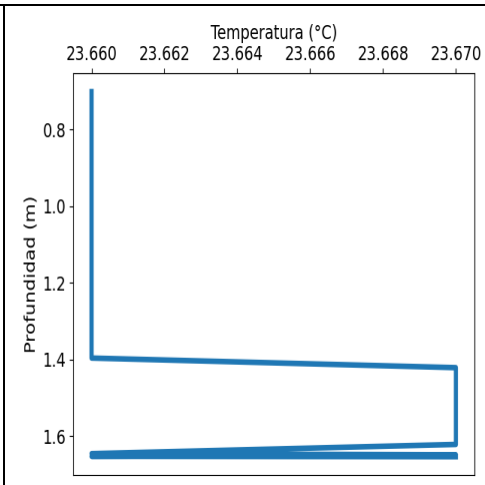
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.744 | 23.35 | 61.07 | 0.66 | 4.56 | 263.55 | 0.96 | 42.57 |
| 0.789 | 23.35 | 61.07 | 0.63 | 4.61 | 232.48 | 0.94 | 42.57 |
| 0.807 | 23.35 | 61.08 | 0.63 | 4.7 | 230.51 | 0.94 | 42.57 |
| 0.821 | 23.35 | 61.08 | 0.63 | 4.83 | 216.45 | 0.94 | 42.57 |
| 0.857 | 23.35 | 61.08 | 0.63 | 5.31 | 197.62 | 0.94 | 42.57 |
| 0.865 | 23.35 | 61.08 | 0.63 | 5.4 | 219.06 | 0.94 | 42.57 |
| 0.881 | 23.36 | 61.08 | 0.63 | 5.49 | 228.91 | 0.94 | 42.57 |
| 0.888 | 23.36 | 61.08 | 0.63 | 5.57 | 217.21 | 0.96 | 42.57 |
| 0.892 | 23.36 | 61.08 | 0.63 | 5.53 | 213.41 | 0.96 | 42.57 |
| 0.902 | 23.36 | 61.08 | 0.63 | 5.44 | 211.19 | 0.96 | 42.57 |
| 0.906 | 23.36 | 61.08 | 0.63 | 5.35 | 223.49 | 0.96 | 42.57 |
| 0.913 | 23.36 | 61.08 | 0.63 | 5.29 | 207.09 | 0.96 | 42.57 |
| 0.929 | 23.36 | 61.08 | 0.63 | 5.25 | 211.7 | 0.98 | 42.57 |
| 0.937 | 23.36 | 61.09 | 0.66 | 5.24 | 213.18 | 1.03 | 42.57 |
| 0.944 | 23.36 | 61.09 | 0.66 | 5.26 | 204.54 | 1.03 | 42.58 |
| 0.977 | 23.36 | 61.09 | 0.66 | 5.24 | 203.78 | 1.03 | 42.58 |
| 1.003 | 23.36 | 61.09 | 0.63 | 5.36 | 196.76 | 1.03 | 42.58 |
| 1.007 | 23.36 | 61.09 | 0.63 | 5.35 | 202.23 | 1.03 | 42.58 |
| 1.043 | 23.36 | 61.09 | 0.63 | 5.32 | 198.7 | 1.03 | 42.58 |
| 1.083 | 23.36 | 61.09 | 0.61 | 5.3 | 194.08 | 1.03 | 42.57 |
| 1.088 | 23.36 | 61.09 | 0.61 | 5.36 | 197.62 | 1.03 | 42.58 |
| 1.102 | 23.36 | 61.09 | 0.63 | 5.34 | 187.15 | 1.04 | 42.58 |
| 1.106 | 23.36 | 61.09 | 0.63 | 5.33 | 175.27 | 1.03 | 42.58 |
| 1.117 | 23.36 | 61.09 | 0.63 | 5.34 | 183.43 | 1.03 | 42.58 |
| 1.138 | 23.36 | 61.09 | 0.63 | 5.36 | 190.52 | 1.03 | 42.58 |
| 1.154 | 23.36 | 61.09 | 0.63 | 5.4 | 178.59 | 1.04 | 42.58 |
| 1.155 | 23.36 | 61.09 | 0.63 | 5.4 | 183.63 | 1.04 | 42.58 |
| 1.171 | 23.36 | 61.09 | 0.63 | 5.42 | 183.95 | 1.04 | 42.58 |
| 1.198 | 23.36 | 61.09 | 0.68 | 5.46 | 179.13 | 1.03 | 42.58 |
| 1.213 | 23.36 | 61.09 | 0.63 | 5.45 | 171.01 | 1.02 | 42.57 |
| 1.252 | 23.36 | 61.09 | 0.63 | 5.43 | 173.83 | 1.02 | 42.57 |
| 1.253 | 23.36 | 61.09 | 0.66 | 5.4 | 178.82 | 1.02 | 42.57 |
| 1.284 | 23.36 | 61.09 | 0.66 | 5.38 | 170.46 | 1.02 | 42.57 |
| 1.316 | 23.36 | 61.09 | 0.66 | 5.39 | 160.23 | 1.02 | 42.57 |
| 1.34 | 23.36 | 61.09 | 0.63 | 5.4 | 164.08 | 0.99 | 42.58 |
| 1.345 | 23.36 | 61.09 | 0.63 | 5.37 | 152.94 | 0.99 | 42.58 |
| 1.366 | 23.36 | 61.09 | 0.63 | 5.35 | 162.98 | 1.04 | 42.58 |
| 1.405 | 23.36 | 61.09 | 0.63 | 5.36 | 160.93 | 1.04 | 42.58 |

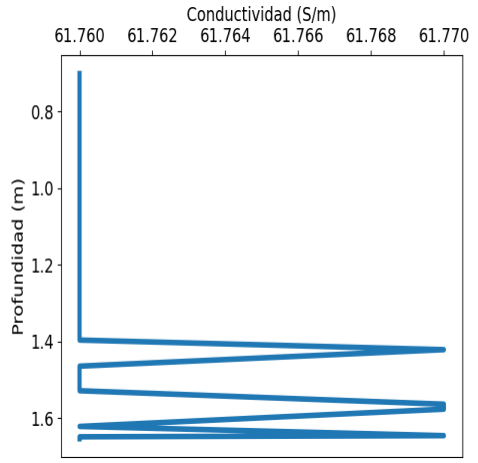
| 1.428 | 23.36 | 61.09 | 0.68 | 5.52 | 157.88 | 1.0 | 42.57 |
|---|---|---|---|---|---|---|---|
| 1.446 | 23.36 | 61.09 | 0.63 | 5.58 | 153.84 | 1.05 | 42.57 |
| 1.458 | 23.36 | 61.09 | 0.63 | 5.57 | 153.84 | 1.05 | 42.57 |
| 1.491 | 23.36 | 61.09 | 0.63 | 5.57 | 150.92 | 1.05 | 42.57 |
| 1.508 | 23.36 | 61.09 | 0.63 | 5.53 | 150.85 | 1.06 | 42.57 |
| 1.52 | 23.36 | 61.09 | 0.63 | 5.51 | 150.62 | 1.06 | 42.57 |
| 1.542 | 23.36 | 61.09 | 0.61 | 5.53 | 149.19 | 1.03 | 42.57 |
| 1.559 | 23.36 | 61.09 | 0.61 | 5.55 | 145.59 | 1.03 | 42.58 |
| 1.573 | 23.36 | 61.09 | 0.61 | 5.56 | 144.68 | 1.03 | 42.58 |
| 1.589 | 23.36 | 61.09 | 0.61 | 5.58 | 142.02 | 1.03 | 42.58 |
| 1.611 | 23.36 | 61.09 | 0.63 | 5.58 | 147.25 | 1.06 | 42.58 |
| 1.622 | 23.36 | 61.09 | 0.63 | 5.59 | 145.62 | 1.06 | 42.58 |
| 1.629 | 23.36 | 61.09 | 0.63 | 5.6 | 142.49 | 1.06 | 42.58 |
| 1.638 | 23.36 | 61.09 | 0.63 | 5.6 | 142.89 | 1.06 | 42.58 |
| 1.646 | 23.36 | 61.09 | 0.63 | 5.6 | 143.42 | 1.06 | 42.58 |
| 1.649 | 23.36 | 61.09 | 0.63 | 5.63 | 141.16 | 1.08 | 42.58 |
| 1.655 | 23.36 | 61.09 | 0.63 | 5.63 | 139.72 | 1.08 | 42.58 |
| 1.67 | 23.36 | 61.09 | 0.66 | 5.63 | 139.2 | 1.1 | 42.58 |
| 1.69 | 23.36 | 61.09 | 0.66 | 5.62 | 140.15 | 1.1 | 42.58 |
| 1.711 | 23.36 | 61.09 | 0.66 | 5.61 | 138.75 | 1.1 | 42.58 |
| 1.718 | 23.36 | 61.09 | 0.63 | 5.61 | 137.19 | 1.06 | 42.58 |
| 1.744 | 23.36 | 61.09 | 0.63 | 5.61 | 134.61 | 1.06 | 42.58 |
| 1.779 | 23.36 | 61.1 | 0.63 | 5.67 | 131.14 | 1.09 | 42.58 |
| 1.782 | 23.36 | 61.1 | 0.63 | 5.64 | 135.08 | 1.09 | 42.58 |
| 1.802 | 23.36 | 61.1 | 0.63 | 5.61 | 136.09 | 1.09 | 42.58 |
| 1.821 | 23.36 | 61.1 | 0.63 | 5.6 | 132.09 | 1.1 | 42.58 |
| 1.826 | 23.36 | 61.1 | 0.63 | 5.61 | 131.23 | 1.1 | 42.58 |
| 1.843 | 23.36 | 61.1 | 0.63 | 5.72 | 130.2 | 1.11 | 42.58 |
| 1.861 | 23.36 | 61.1 | 0.63 | 5.72 | 131.4 | 1.11 | 42.58 |
| 1.89 | 23.36 | 61.1 | 0.63 | 5.72 | 130.43 | 1.11 | 42.58 |
| 1.913 | 23.36 | 61.1 | 0.63 | 5.71 | 128.74 | 1.11 | 42.58 |
| 1.936 | 23.36 | 61.1 | 0.63 | 5.68 | 125.88 | 1.11 | 42.58 |
| 1.973 | 23.36 | 61.1 | 0.63 | 5.69 | 125.96 | 1.11 | 42.58 |
| 1.99 | 23.36 | 61.1 | 0.63 | 5.7 | 127.31 | 1.11 | 42.58 |
| 1.997 | 23.36 | 61.1 | 0.66 | 5.71 | 125.03 | 1.09 | 42.58 |
| 1.998 | 23.36 | 61.1 | 0.66 | 5.71 | 127.56 | 1.09 | 42.58 |
| 1.999 | 23.36 | 61.1 | 0.66 | 5.67 | 125.99 | 1.09 | 42.58 |
| 2.017 | 23.36 | 61.1 | 0.63 | 5.64 | 123.09 | 1.1 | 42.58 |
| 2.04 | 23.36 | 61.1 | 0.63 | 5.63 | 123.79 | 1.1 | 42.58 |
| 2.048 | 23.36 | 61.1 | 0.63 | 5.62 | 123.41 | 1.1 | 42.58 |
| 2.05 | 23.36 | 61.1 | 0.63 | 5.62 | 125.22 | 1.1 | 42.58 |
| 2.055 | 23.36 | 61.1 | 0.63 | 5.61 | 123.65 | 1.1 | 42.58 |
| 2.062 | 23.36 | 61.1 | 0.63 | 5.62 | 122.37 | 1.1 | 42.58 |
| 2.077 | 23.36 | 61.1 | 0.63 | 5.65 | 122.45 | 1.1 | 42.58 |
| 2.104 | 23.36 | 61.1 | 0.63 | 5.66 | 121.46 | 1.1 | 42.58 |
| 2.128 | 23.36 | 61.1 | 0.63 | 5.67 | 120.86 | 1.1 | 42.58 |
| 2.131 | 23.36 | 61.1 | 0.63 | 5.62 | 121.76 | 1.1 | 42.58 |
| 2.145 | 23.36 | 61.1 | 0.66 | 5.62 | 120.2 | 1.14 | 42.58 |
| 2.157 | 23.36 | 61.1 | 0.66 | 5.65 | 120.31 | 1.14 | 42.58 |
| 2.16 | 23.36 | 61.1 | 0.63 | 5.65 | 121.73 | 1.13 | 42.58 |
| 2.168 | 23.36 | 61.1 | 0.63 | 5.65 | 119.31 | 1.11 | 42.58 |
| 2.17 | 23.36 | 61.1 | 0.63 | 5.63 | 120.7 | 1.11 | 42.58 |
| 2.172 | 23.36 | 61.1 | 0.66 | 5.63 | 118.64 | 1.1 | 42.58 |
| 2.202 | 23.36 | 61.1 | 0.66 | 5.63 | 118.64 | 1.1 | 42.58 |
| 2.267 | 23.36 | 61.1 | 0.66 | 5.64 | 117.59 | 1.1 | 42.58 |
| 2.288 | 23.36 | 61.1 | 0.66 | 5.68 | 118.05 | 1.13 | 42.58 |
| 2.295 | 23.36 | 61.1 | 0.66 | 5.67 | 117.56 | 1.13 | 42.58 |
| 2.322 | 23.36 | 61.1 | 0.66 | 5.67 | 117.0 | 1.13 | 42.58 |

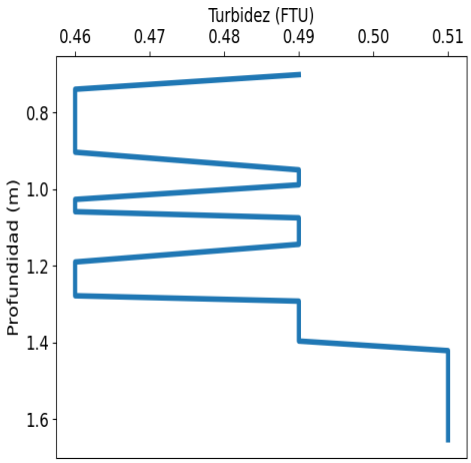
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2.364 | 23.36 | 61.1 | 0.66 | 5.66 | 118.0 | 1.14 | 42.58 |
| 2.415 | 23.36 | 61.1 | 0.66 | 5.65 | 116.29 | 1.14 | 42.58 |
| 2.46 | 23.36 | 61.1 | 0.66 | 5.62 | 115.03 | 1.14 | 42.58 |
| 2.495 | 23.36 | 61.1 | 0.66 | 5.59 | 114.33 | 1.14 | 42.58 |
| 2.522 | 23.36 | 61.1 | 0.66 | 5.6 | 114.88 | 1.14 | 42.58 |
| 2.539 | 23.37 | 61.11 | 0.66 | 5.71 | 115.0 | 1.13 | 42.59 |
| 2.548 | 23.37 | 61.11 | 0.66 | 5.72 | 114.48 | 1.13 | 42.59 |
| 2.56 | 23.37 | 61.11 | 0.66 | 5.74 | 113.98 | 1.13 | 42.59 |
| 2.565 | 23.36 | 61.11 | 0.66 | 5.78 | 114.11 | 1.13 | 42.59 |
| 2.566 | 23.36 | 61.11 | 0.66 | 5.76 | 113.98 | 1.16 | 42.59 |
| 2.572 | 23.36 | 61.11 | 0.66 | 5.76 | 115.15 | 1.13 | 42.59 |
| 2.589 | 23.36 | 61.11 | 0.66 | 5.75 | 113.71 | 1.13 | 42.59 |
| 2.601 | 23.36 | 61.11 | 0.66 | 5.76 | 116.14 | 1.15 | 42.58 |
| 2.607 | 23.36 | 61.1 | 0.66 | 5.76 | 115.25 | 1.14 | 42.58 |
| 2.63 | 23.36 | 61.1 | 0.66 | 5.77 | 114.11 | 1.14 | 42.58 |
| 2.69 | 23.36 | 61.1 | 0.66 | 5.78 | 112.87 | 1.14 | 42.58 |
| 2.72 | 23.36 | 61.12 | 0.66 | 5.79 | 113.49 | 1.14 | 42.59 |
| 2.726 | 23.37 | 61.12 | 0.66 | 5.79 | 113.19 | 1.14 | 42.59 |
| 2.735 | 23.37 | 61.12 | 0.66 | 5.79 | 113.36 | 1.14 | 42.59 |
| 2.754 | 23.37 | 61.12 | 0.66 | 5.8 | 113.61 | 1.14 | 42.59 |
| 2.788 | 23.37 | 61.12 | 0.66 | 5.77 | 112.31 | 1.14 | 42.59 |
| 2.811 | 23.37 | 61.12 | 0.66 | 5.83 | 114.25 | 1.13 | 42.59 |
| 2.818 | 23.37 | 61.12 | 0.66 | 5.85 | 113.93 | 1.13 | 42.59 |
| 2.857 | 23.37 | 61.12 | 0.66 | 5.86 | 112.13 | 1.13 | 42.59 |
| 2.869 | 23.37 | 61.12 | 0.66 | 5.86 | 113.58 | 1.14 | 42.59 |
| 2.914 | 23.37 | 61.12 | 0.66 | 5.84 | 113.63 | 1.14 | 42.59 |
| 2.97 | 23.37 | 61.12 | 0.66 | 5.84 | 113.12 | 1.14 | 42.59 |
| 3.006 | 23.37 | 61.12 | 0.68 | 5.86 | 112.33 | 1.17 | 42.59 |
| 3.033 | 23.37 | 61.12 | 0.68 | 5.88 | 110.49 | 1.17 | 42.59 |
| 3.061 | 23.37 | 61.12 | 0.68 | 5.89 | 109.29 | 1.17 | 42.59 |
| 3.09 | 23.37 | 61.12 | 0.68 | 5.91 | 109.79 | 1.17 | 42.59 |
| 3.121 | 23.37 | 61.12 | 0.68 | 5.91 | 110.49 | 1.17 | 42.59 |
| 3.136 | 23.37 | 61.13 | 0.71 | 5.92 | 110.82 | 1.27 | 42.59 |
| 3.14 | 23.37 | 61.13 | 0.71 | 5.93 | 112.13 | 1.27 | 42.59 |
| 3.141 | 23.37 | 61.13 | 0.71 | 5.92 | 112.4 | 1.27 | 42.59 |

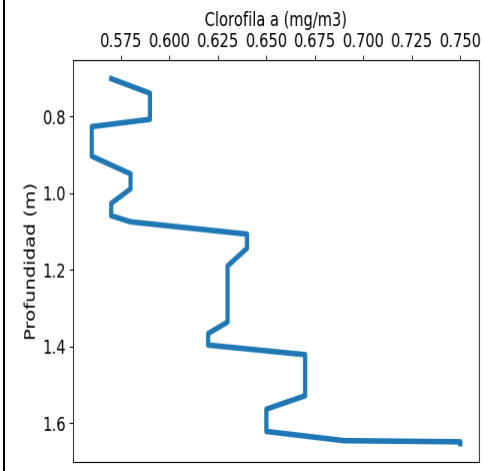
**Nombre: CTD P01 - Punto 014** **Fecha: 19/10/2022** **Hora: 11:10:14**

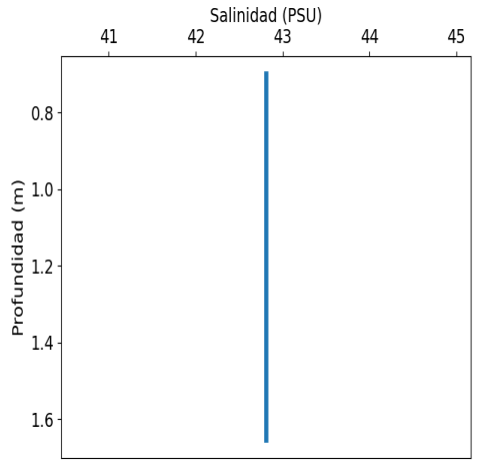


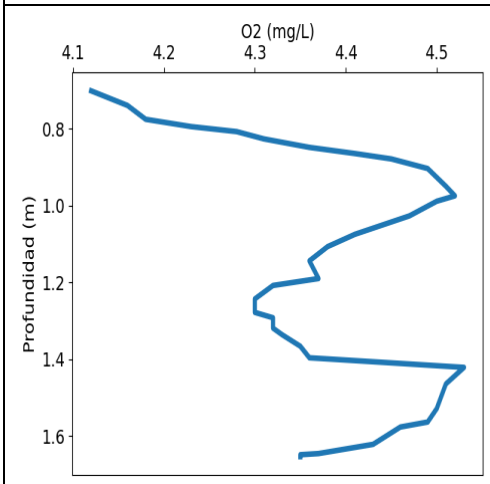



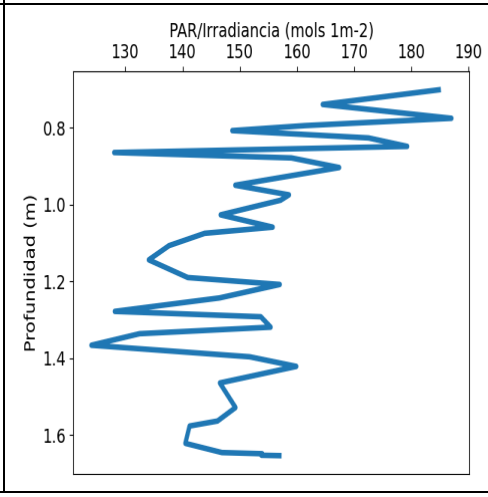




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 23.66 | 61.76 | 0.46 | 4.12 | 124.06 | 0.56 | 42.81 |
| **PROF (metros)** | 0.702 | 0.702 | 0.74 | 0.702 | 1.366 | 0.827 | 0.702 |
| **MÁXIMO** | 23.67 | 23.67 | 0.51 | 4.53 | 186.98 | 0.75 | 42.81 |
| **PROF (metros)** | 1.421 | 1.421 | 1.421 | 1.421 | 0.776 | 1.648 | 0.702 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD P01 - Punto 014 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 23.66 | 61.76 | 0.47 | 4.35 | 162.87 | 0.57 | 42.81 |
| 1 - 2m | 23.66 | 61.76 | 0.49 | 4.39 | 145.95 | 0.65 | 42.81 |

| OBSERVACIONES GENERALES |
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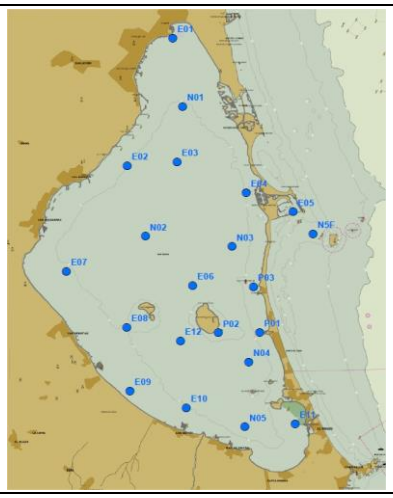
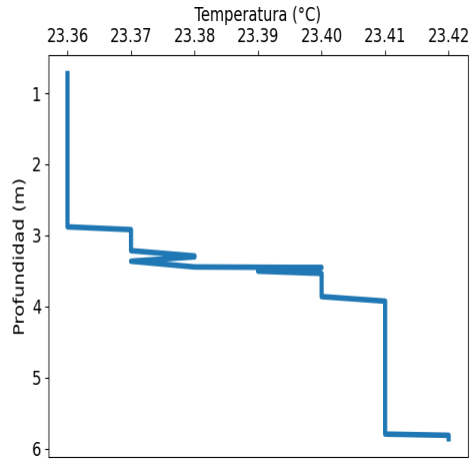
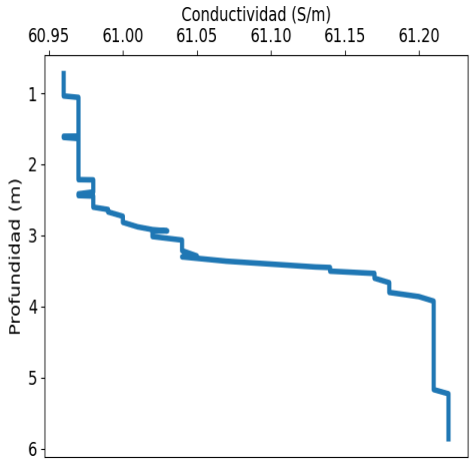
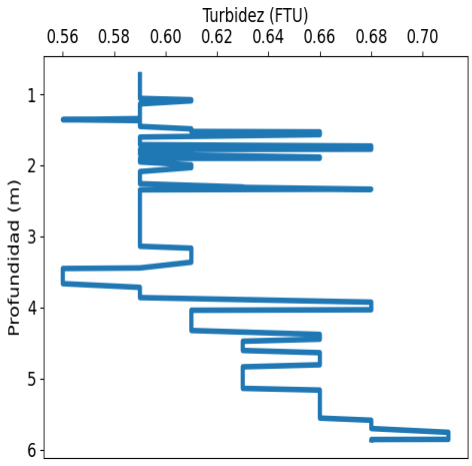
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.702 | 23.66 | 61.76 | 0.49 | 4.12 | 184.76 | 0.57 | 42.81 |
| 0.74 | 23.66 | 61.76 | 0.46 | 4.16 | 164.47 | 0.59 | 42.81 |
| 0.776 | 23.66 | 61.76 | 0.46 | 4.18 | 186.98 | 0.59 | 42.81 |
| 0.795 | 23.66 | 61.76 | 0.46 | 4.23 | 161.39 | 0.59 | 42.81 |
| 0.808 | 23.66 | 61.76 | 0.46 | 4.28 | 148.67 | 0.59 | 42.81 |
| 0.827 | 23.66 | 61.76 | 0.46 | 4.31 | 172.47 | 0.56 | 42.81 |
| 0.849 | 23.66 | 61.76 | 0.46 | 4.36 | 179.25 | 0.56 | 42.81 |
| 0.865 | 23.66 | 61.76 | 0.46 | 4.41 | 128.04 | 0.56 | 42.81 |
| 0.879 | 23.66 | 61.76 | 0.46 | 4.45 | 159.02 | 0.56 | 42.81 |
| 0.904 | 23.66 | 61.76 | 0.46 | 4.49 | 167.37 | 0.56 | 42.81 |
| 0.95 | 23.66 | 61.76 | 0.49 | 4.51 | 149.19 | 0.58 | 42.81 |
| 0.975 | 23.66 | 61.76 | 0.49 | 4.52 | 158.6 | 0.58 | 42.81 |
| 0.989 | 23.66 | 61.76 | 0.49 | 4.5 | 157.12 | 0.58 | 42.81 |
| 1.027 | 23.66 | 61.76 | 0.46 | 4.47 | 146.64 | 0.57 | 42.81 |
| 1.059 | 23.66 | 61.76 | 0.46 | 4.43 | 155.76 | 0.57 | 42.81 |
| 1.075 | 23.66 | 61.76 | 0.49 | 4.41 | 143.86 | 0.58 | 42.81 |
| 1.107 | 23.66 | 61.76 | 0.49 | 4.38 | 137.64 | 0.64 | 42.81 |
| 1.144 | 23.66 | 61.76 | 0.49 | 4.36 | 134.09 | 0.64 | 42.81 |
| 1.19 | 23.66 | 61.76 | 0.46 | 4.37 | 140.91 | 0.63 | 42.81 |
| 1.208 | 23.66 | 61.76 | 0.46 | 4.32 | 156.99 | 0.63 | 42.81 |
| 1.243 | 23.66 | 61.76 | 0.46 | 4.3 | 146.45 | 0.63 | 42.81 |
| 1.278 | 23.66 | 61.76 | 0.46 | 4.3 | 128.15 | 0.63 | 42.81 |
| 1.292 | 23.66 | 61.76 | 0.49 | 4.32 | 153.67 | 0.63 | 42.81 |
| 1.319 | 23.66 | 61.76 | 0.49 | 4.32 | 155.39 | 0.63 | 42.81 |
| 1.336 | 23.66 | 61.76 | 0.49 | 4.33 | 132.49 | 0.63 | 42.81 |
| 1.366 | 23.66 | 61.76 | 0.49 | 4.35 | 124.06 | 0.62 | 42.81 |
| 1.396 | 23.66 | 61.76 | 0.49 | 4.36 | 151.71 | 0.62 | 42.81 |
| 1.421 | 23.67 | 61.77 | 0.51 | 4.53 | 159.88 | 0.67 | 42.81 |
| 1.464 | 23.67 | 61.76 | 0.51 | 4.51 | 146.51 | 0.67 | 42.81 |
| 1.528 | 23.67 | 61.76 | 0.51 | 4.5 | 149.25 | 0.67 | 42.81 |
| 1.563 | 23.67 | 61.77 | 0.51 | 4.49 | 146.1 | 0.65 | 42.81 |
| 1.576 | 23.67 | 61.77 | 0.51 | 4.46 | 141.22 | 0.65 | 42.81 |
| 1.621 | 23.67 | 61.76 | 0.51 | 4.43 | 140.48 | 0.65 | 42.81 |
| 1.645 | 23.66 | 61.77 | 0.51 | 4.37 | 146.87 | 0.69 | 42.81 |
| 1.648 | 23.67 | 61.76 | 0.51 | 4.35 | 153.91 | 0.75 | 42.81 |
| 1.652 | 23.66 | 61.76 | 0.51 | 4.35 | 153.77 | 0.75 | 42.81 |
| 1.653 | 23.67 | 61.76 | 0.51 | 4.35 | 156.92 | 0.75 | 42.81 |

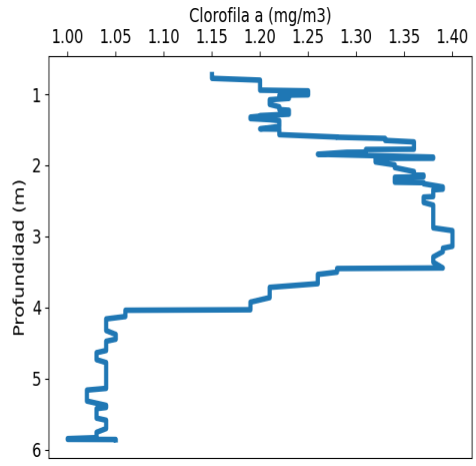
**Nombre: CTD N04 - Punto 015** **Fecha: 19/10/2022** **Hora: 11:10:25**

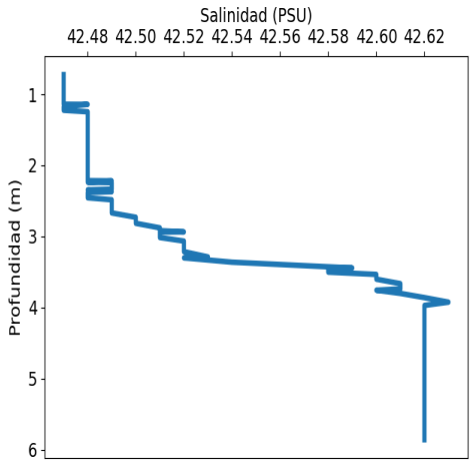


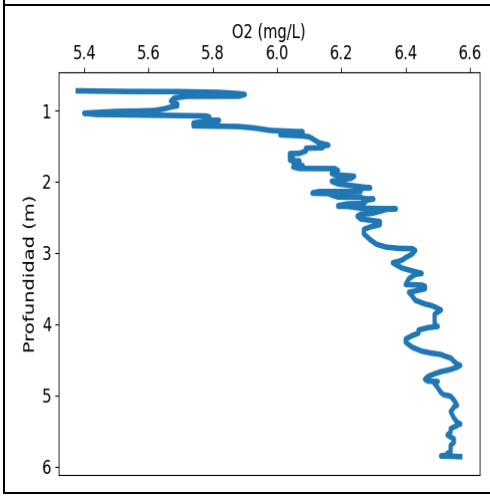



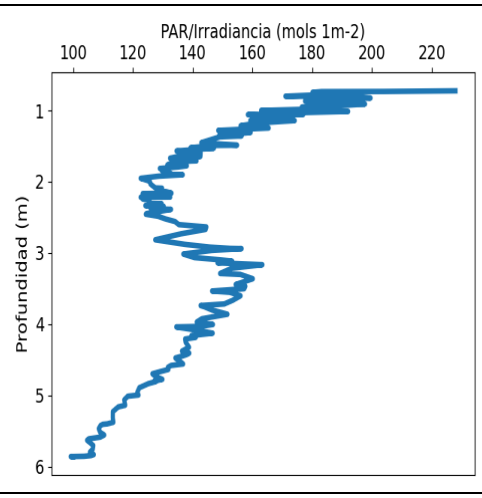




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 23.36 | 60.96 | 0.56 | 5.38 | 99.13 | 1.0 | 42.47 |
| **PROF (metros)** | 0.725 | 0.725 | 1.358 | 0.725 | 5.859 | 5.845 | 0.725 |
| **MÁXIMO** | 23.42 | 23.42 | 0.71 | 6.57 | 227.97 | 1.4 | 42.63 |
| **PROF (metros)** | 5.812 | 5.228 | 5.756 | 4.58 | 0.725 | 2.919 | 3.925 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD N04 - Punto 015 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 23.36 | 60.96 | 0.59 | 5.7 | 189.48 | 1.18 | 42.47 |
| 1 - 2m | 23.36 | 60.97 | 0.6 | 5.98 | 147.91 | 1.27 | 42.48 |
| 2 - 3m | 23.36 | 60.98 | 0.59 | 6.27 | 131.61 | 1.37 | 42.49 |
| 3 - 4m | 23.39 | 61.12 | 0.59 | 6.43 | 150.49 | 1.31 | 42.57 |
| 4 - 5m | 23.41 | 61.21 | 0.64 | 6.49 | 133.76 | 1.05 | 42.62 |
| 5 - 6m | 23.41 | 61.22 | 0.68 | 6.55 | 108.83 | 1.03 | 42.62 |

| OBSERVACIONES GENERALES |
|---|
| |

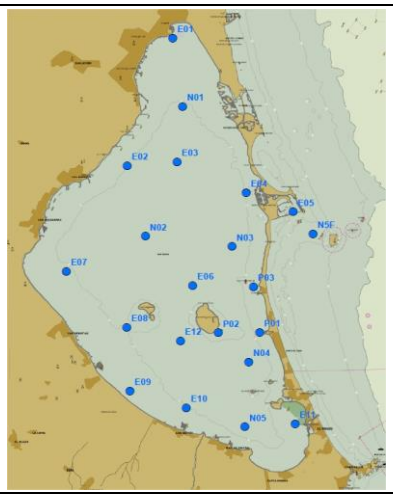
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.725 | 23.36 | 60.96 | 0.59 | 5.38 | 227.97 | 1.15 | 42.47 |
| 0.734 | 23.36 | 60.96 | 0.59 | 5.53 | 203.87 | 1.15 | 42.47 |
| 0.736 | 23.36 | 60.96 | 0.59 | 5.69 | 183.12 | 1.15 | 42.47 |
| 0.747 | 23.36 | 60.96 | 0.59 | 5.82 | 180.07 | 1.15 | 42.47 |
| 0.764 | 23.36 | 60.96 | 0.59 | 5.88 | 193.82 | 1.15 | 42.47 |
| 0.777 | 23.36 | 60.96 | 0.59 | 5.9 | 184.28 | 1.15 | 42.47 |
| 0.801 | 23.36 | 60.96 | 0.59 | 5.88 | 171.01 | 1.2 | 42.47 |
| 0.802 | 23.36 | 60.96 | 0.59 | 5.72 | 194.93 | 1.2 | 42.47 |
| 0.826 | 23.36 | 60.96 | 0.59 | 5.68 | 199.56 | 1.2 | 42.47 |
| 0.869 | 23.36 | 60.96 | 0.59 | 5.67 | 177.58 | 1.2 | 42.47 |
| 0.91 | 23.36 | 60.96 | 0.59 | 5.69 | 197.7 | 1.2 | 42.47 |
| 0.936 | 23.36 | 60.96 | 0.59 | 5.69 | 188.46 | 1.2 | 42.47 |
| 0.943 | 23.36 | 60.96 | 0.59 | 5.68 | 179.6 | 1.2 | 42.47 |
| 0.953 | 23.36 | 60.96 | 0.59 | 5.67 | 176.5 | 1.25 | 42.47 |
| 0.977 | 23.36 | 60.96 | 0.59 | 5.65 | 183.71 | 1.25 | 42.47 |
| 1.001 | 23.36 | 60.96 | 0.59 | 5.62 | 162.87 | 1.25 | 42.47 |
| 1.009 | 23.36 | 60.96 | 0.59 | 5.57 | 180.19 | 1.25 | 42.47 |
| 1.014 | 23.36 | 60.96 | 0.59 | 5.5 | 192.06 | 1.22 | 42.47 |
| 1.039 | 23.36 | 60.96 | 0.59 | 5.4 | 168.98 | 1.22 | 42.47 |
| 1.058 | 23.36 | 60.97 | 0.59 | 5.44 | 177.0 | 1.23 | 42.47 |
| 1.059 | 23.36 | 60.97 | 0.59 | 5.49 | 158.43 | 1.23 | 42.47 |
| 1.078 | 23.36 | 60.97 | 0.61 | 5.78 | 172.7 | 1.21 | 42.47 |
| 1.093 | 23.36 | 60.97 | 0.61 | 5.79 | 169.64 | 1.21 | 42.47 |
| 1.136 | 23.36 | 60.97 | 0.59 | 5.78 | 162.98 | 1.21 | 42.47 |
| 1.141 | 23.36 | 60.97 | 0.59 | 5.82 | 159.26 | 1.21 | 42.47 |
| 1.143 | 23.36 | 60.97 | 0.59 | 5.79 | 174.17 | 1.21 | 42.48 |
| 1.177 | 23.36 | 60.97 | 0.59 | 5.74 | 161.53 | 1.22 | 42.47 |
| 1.216 | 23.36 | 60.97 | 0.59 | 5.74 | 156.0 | 1.22 | 42.47 |
| 1.226 | 23.36 | 60.97 | 0.59 | 5.88 | 164.51 | 1.23 | 42.47 |
| 1.247 | 23.36 | 60.97 | 0.59 | 5.93 | 165.44 | 1.23 | 42.48 |
| 1.281 | 23.36 | 60.97 | 0.59 | 5.98 | 148.51 | 1.23 | 42.48 |
| 1.301 | 23.36 | 60.97 | 0.59 | 6.08 | 155.18 | 1.2 | 42.48 |
| 1.309 | 23.36 | 60.97 | 0.59 | 6.06 | 159.4 | 1.2 | 42.48 |
| 1.322 | 23.36 | 60.97 | 0.59 | 6.03 | 156.24 | 1.19 | 42.48 |
| 1.343 | 23.36 | 60.97 | 0.59 | 6.01 | 148.96 | 1.19 | 42.48 |
| 1.358 | 23.36 | 60.97 | 0.56 | 6.08 | 156.37 | 1.21 | 42.48 |

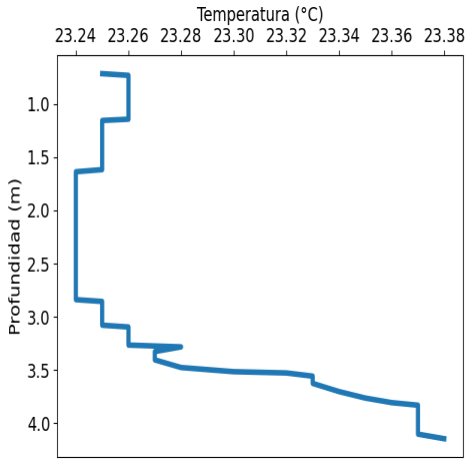
| 1.371 | 23.36 | 60.97 | 0.59 | 6.1 | 149.12 | 1.22 | 42.48 |
|---|---|---|---|---|---|---|---|
| 1.397 | 23.36 | 60.97 | 0.59 | 6.11 | 147.09 | 1.22 | 42.48 |
| 1.453 | 23.36 | 60.97 | 0.59 | 6.13 | 142.86 | 1.22 | 42.48 |
| 1.488 | 23.36 | 60.97 | 0.61 | 6.16 | 154.88 | 1.2 | 42.48 |
| 1.491 | 23.36 | 60.97 | 0.61 | 6.15 | 147.19 | 1.22 | 42.48 |
| 1.524 | 23.36 | 60.97 | 0.61 | 6.14 | 139.27 | 1.22 | 42.48 |
| 1.53 | 23.36 | 60.97 | 0.66 | 6.09 | 147.09 | 1.22 | 42.48 |
| 1.569 | 23.36 | 60.97 | 0.66 | 6.09 | 134.56 | 1.22 | 42.48 |
| 1.603 | 23.36 | 60.97 | 0.59 | 6.07 | 142.67 | 1.28 | 42.48 |
| 1.605 | 23.36 | 60.96 | 0.59 | 6.04 | 138.48 | 1.28 | 42.48 |
| 1.622 | 23.36 | 60.96 | 0.59 | 6.04 | 139.93 | 1.33 | 42.48 |
| 1.638 | 23.36 | 60.97 | 0.59 | 6.05 | 139.81 | 1.33 | 42.48 |
| 1.645 | 23.36 | 60.97 | 0.59 | 6.04 | 142.61 | 1.33 | 42.48 |
| 1.65 | 23.36 | 60.97 | 0.59 | 6.04 | 134.7 | 1.33 | 42.48 |
| 1.671 | 23.36 | 60.97 | 0.59 | 6.04 | 132.38 | 1.36 | 42.48 |
| 1.697 | 23.36 | 60.97 | 0.59 | 6.04 | 135.53 | 1.36 | 42.48 |
| 1.708 | 23.36 | 60.97 | 0.59 | 6.06 | 141.28 | 1.36 | 42.48 |
| 1.71 | 23.36 | 60.97 | 0.59 | 6.07 | 139.51 | 1.36 | 42.48 |
| 1.729 | 23.36 | 60.97 | 0.68 | 6.05 | 133.39 | 1.36 | 42.48 |
| 1.766 | 23.36 | 60.97 | 0.68 | 6.06 | 131.48 | 1.36 | 42.48 |
| 1.774 | 23.36 | 60.97 | 0.68 | 6.08 | 136.92 | 1.36 | 42.48 |
| 1.777 | 23.36 | 60.97 | 0.59 | 6.06 | 138.03 | 1.31 | 42.48 |
| 1.794 | 23.36 | 60.97 | 0.59 | 6.05 | 135.05 | 1.31 | 42.48 |
| 1.815 | 23.36 | 60.97 | 0.59 | 6.07 | 128.96 | 1.31 | 42.48 |
| 1.817 | 23.36 | 60.97 | 0.61 | 6.18 | 129.86 | 1.29 | 42.48 |
| 1.844 | 23.36 | 60.97 | 0.59 | 6.19 | 129.64 | 1.26 | 42.48 |
| 1.885 | 23.36 | 60.97 | 0.66 | 6.17 | 132.75 | 1.38 | 42.48 |
| 1.901 | 23.36 | 60.97 | 0.66 | 6.18 | 130.49 | 1.38 | 42.48 |
| 1.903 | 23.36 | 60.97 | 0.59 | 6.18 | 136.68 | 1.32 | 42.48 |
| 1.923 | 23.36 | 60.97 | 0.59 | 6.24 | 128.57 | 1.32 | 42.48 |
| 1.953 | 23.36 | 60.97 | 0.59 | 6.23 | 122.55 | 1.32 | 42.48 |
| 1.994 | 23.36 | 60.97 | 0.61 | 6.17 | 125.63 | 1.34 | 42.48 |
| 2.032 | 23.36 | 60.97 | 0.61 | 6.19 | 125.83 | 1.34 | 42.48 |
| 2.088 | 23.36 | 60.97 | 0.59 | 6.29 | 127.48 | 1.36 | 42.48 |
| 2.092 | 23.36 | 60.97 | 0.59 | 6.26 | 129.75 | 1.36 | 42.48 |
| 2.138 | 23.36 | 60.97 | 0.59 | 6.26 | 128.43 | 1.36 | 42.48 |
| 2.139 | 23.36 | 60.97 | 0.59 | 6.13 | 131.0 | 1.37 | 42.48 |
| 2.161 | 23.36 | 60.97 | 0.59 | 6.11 | 132.9 | 1.37 | 42.48 |
| 2.168 | 23.36 | 60.97 | 0.59 | 6.16 | 123.22 | 1.34 | 42.48 |
| 2.188 | 23.36 | 60.97 | 0.59 | 6.17 | 128.21 | 1.34 | 42.48 |
| 2.216 | 23.36 | 60.97 | 0.59 | 6.19 | 132.49 | 1.34 | 42.48 |
| 2.219 | 23.36 | 60.98 | 0.59 | 6.26 | 122.55 | 1.34 | 42.49 |
| 2.238 | 23.36 | 60.98 | 0.59 | 6.27 | 124.84 | 1.34 | 42.48 |
| 2.244 | 23.36 | 60.98 | 0.59 | 6.3 | 123.28 | 1.37 | 42.49 |
| 2.259 | 23.36 | 60.98 | 0.59 | 6.28 | 125.55 | 1.37 | 42.49 |
| 2.305 | 23.36 | 60.98 | 0.63 | 6.27 | 125.39 | 1.39 | 42.49 |
| 2.309 | 23.36 | 60.98 | 0.63 | 6.25 | 129.61 | 1.39 | 42.49 |
| 2.311 | 23.36 | 60.98 | 0.63 | 6.22 | 128.9 | 1.39 | 42.49 |
| 2.336 | 23.36 | 60.98 | 0.68 | 6.19 | 124.11 | 1.39 | 42.49 |
| 2.345 | 23.36 | 60.98 | 0.59 | 6.19 | 128.62 | 1.38 | 42.48 |
| 2.347 | 23.36 | 60.98 | 0.59 | 6.22 | 130.32 | 1.38 | 42.48 |
| 2.372 | 23.36 | 60.98 | 0.59 | 6.26 | 125.85 | 1.38 | 42.49 |
| 2.382 | 23.36 | 60.98 | 0.59 | 6.37 | 128.65 | 1.38 | 42.48 |
| 2.389 | 23.36 | 60.98 | 0.59 | 6.34 | 132.75 | 1.38 | 42.48 |
| 2.416 | 23.36 | 60.97 | 0.59 | 6.32 | 129.1 | 1.38 | 42.48 |
| 2.44 | 23.36 | 60.97 | 0.59 | 6.3 | 125.61 | 1.38 | 42.48 |
| 2.447 | 23.36 | 60.98 | 0.59 | 6.29 | 124.57 | 1.37 | 42.48 |
| 2.457 | 23.36 | 60.98 | 0.59 | 6.26 | 124.27 | 1.37 | 42.48 |

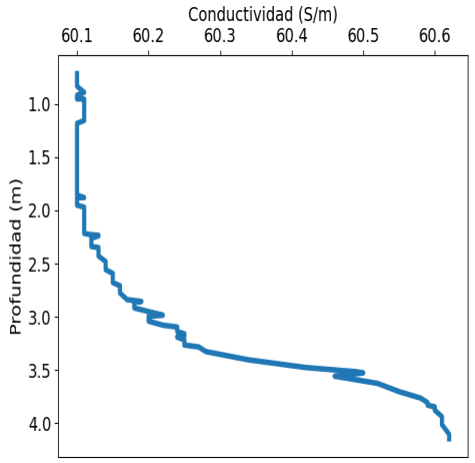
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2.485 | 23.36 | 60.98 | 0.59 | 6.25 | 128.34 | 1.37 | 42.49 |
| 2.523 | 23.36 | 60.98 | 0.59 | 6.26 | 130.86 | 1.37 | 42.49 |
| 2.56 | 23.36 | 60.98 | 0.59 | 6.32 | 134.09 | 1.38 | 42.49 |
| 2.603 | 23.36 | 60.98 | 0.59 | 6.32 | 135.35 | 1.38 | 42.49 |
| 2.636 | 23.36 | 60.99 | 0.59 | 6.29 | 144.58 | 1.38 | 42.49 |
| 2.67 | 23.36 | 60.99 | 0.59 | 6.27 | 144.33 | 1.38 | 42.49 |
| 2.731 | 23.36 | 61.0 | 0.59 | 6.27 | 136.18 | 1.38 | 42.5 |
| 2.816 | 23.36 | 61.0 | 0.59 | 6.29 | 127.43 | 1.38 | 42.5 |
| 2.88 | 23.36 | 61.01 | 0.59 | 6.31 | 137.37 | 1.38 | 42.51 |
| 2.919 | 23.37 | 61.02 | 0.59 | 6.34 | 145.72 | 1.4 | 42.51 |
| 2.937 | 23.37 | 61.03 | 0.59 | 6.38 | 152.5 | 1.4 | 42.52 |
| 2.94 | 23.37 | 61.02 | 0.59 | 6.42 | 156.37 | 1.4 | 42.51 |
| 2.965 | 23.37 | 61.02 | 0.59 | 6.43 | 146.39 | 1.4 | 42.51 |
| 3.016 | 23.37 | 61.02 | 0.59 | 6.42 | 136.83 | 1.4 | 42.51 |
| 3.066 | 23.37 | 61.04 | 0.59 | 6.4 | 140.61 | 1.4 | 42.52 |
| 3.098 | 23.37 | 61.04 | 0.59 | 6.39 | 149.32 | 1.4 | 42.52 |
| 3.116 | 23.37 | 61.04 | 0.59 | 6.38 | 153.2 | 1.4 | 42.52 |
| 3.139 | 23.37 | 61.04 | 0.59 | 6.36 | 148.28 | 1.4 | 42.52 |
| 3.166 | 23.37 | 61.04 | 0.61 | 6.37 | 163.33 | 1.39 | 42.52 |
| 3.215 | 23.37 | 61.04 | 0.61 | 6.39 | 153.14 | 1.39 | 42.52 |
| 3.289 | 23.38 | 61.05 | 0.61 | 6.45 | 149.15 | 1.38 | 42.53 |
| 3.302 | 23.38 | 61.04 | 0.61 | 6.43 | 155.93 | 1.38 | 42.52 |
| 3.363 | 23.37 | 61.07 | 0.61 | 6.41 | 160.13 | 1.38 | 42.54 |
| 3.444 | 23.38 | 61.13 | 0.59 | 6.4 | 154.34 | 1.39 | 42.59 |
| 3.452 | 23.4 | 61.14 | 0.56 | 6.45 | 155.29 | 1.28 | 42.58 |
| 3.468 | 23.39 | 61.14 | 0.56 | 6.46 | 157.64 | 1.28 | 42.58 |
| 3.503 | 23.39 | 61.14 | 0.56 | 6.46 | 157.23 | 1.28 | 42.58 |
| 3.535 | 23.4 | 61.17 | 0.56 | 6.43 | 146.45 | 1.26 | 42.6 |
| 3.553 | 23.4 | 61.17 | 0.56 | 6.41 | 152.4 | 1.26 | 42.6 |
| 3.602 | 23.4 | 61.17 | 0.56 | 6.42 | 156.03 | 1.26 | 42.6 |
| 3.665 | 23.4 | 61.18 | 0.56 | 6.43 | 153.4 | 1.26 | 42.61 |
| 3.717 | 23.4 | 61.18 | 0.59 | 6.46 | 150.56 | 1.21 | 42.61 |
| 3.739 | 23.4 | 61.18 | 0.59 | 6.48 | 142.61 | 1.21 | 42.61 |
| 3.757 | 23.4 | 61.18 | 0.59 | 6.49 | 143.95 | 1.21 | 42.6 |
| 3.802 | 23.4 | 61.18 | 0.59 | 6.51 | 146.48 | 1.21 | 42.61 |
| 3.861 | 23.4 | 61.2 | 0.59 | 6.49 | 151.64 | 1.21 | 42.62 |
| 3.925 | 23.41 | 61.21 | 0.68 | 6.49 | 143.05 | 1.19 | 42.63 |
| 3.971 | 23.41 | 61.21 | 0.68 | 6.49 | 141.31 | 1.19 | 42.62 |
| 4.005 | 23.41 | 61.21 | 0.68 | 6.49 | 146.8 | 1.19 | 42.62 |
| 4.032 | 23.41 | 61.21 | 0.68 | 6.5 | 142.67 | 1.19 | 42.62 |
| 4.039 | 23.41 | 61.21 | 0.61 | 6.49 | 134.47 | 1.06 | 42.62 |
| 4.049 | 23.41 | 61.21 | 0.61 | 6.47 | 135.82 | 1.06 | 42.62 |
| 4.083 | 23.41 | 61.21 | 0.61 | 6.44 | 141.04 | 1.06 | 42.62 |
| 4.127 | 23.41 | 61.21 | 0.61 | 6.44 | 146.71 | 1.06 | 42.62 |
| 4.161 | 23.41 | 61.21 | 0.61 | 6.42 | 139.54 | 1.04 | 42.62 |
| 4.186 | 23.41 | 61.21 | 0.61 | 6.41 | 141.01 | 1.04 | 42.62 |
| 4.209 | 23.41 | 61.21 | 0.61 | 6.4 | 137.43 | 1.04 | 42.62 |
| 4.253 | 23.41 | 61.21 | 0.61 | 6.4 | 137.61 | 1.04 | 42.62 |
| 4.324 | 23.41 | 61.21 | 0.61 | 6.42 | 138.78 | 1.04 | 42.62 |
| 4.379 | 23.41 | 61.21 | 0.66 | 6.45 | 136.38 | 1.05 | 42.62 |
| 4.407 | 23.41 | 61.21 | 0.66 | 6.48 | 138.87 | 1.05 | 42.62 |
| 4.426 | 23.41 | 61.21 | 0.66 | 6.51 | 138.03 | 1.05 | 42.62 |
| 4.446 | 23.41 | 61.21 | 0.66 | 6.52 | 136.65 | 1.05 | 42.62 |
| 4.475 | 23.41 | 61.21 | 0.63 | 6.54 | 134.17 | 1.04 | 42.62 |
| 4.521 | 23.41 | 61.21 | 0.63 | 6.55 | 135.67 | 1.04 | 42.62 |
| 4.559 | 23.41 | 61.21 | 0.63 | 6.56 | 136.8 | 1.04 | 42.62 |
| 4.58 | 23.41 | 61.21 | 0.63 | 6.57 | 132.75 | 1.04 | 42.62 |
| 4.605 | 23.41 | 61.21 | 0.63 | 6.56 | 131.69 | 1.04 | 42.62 |

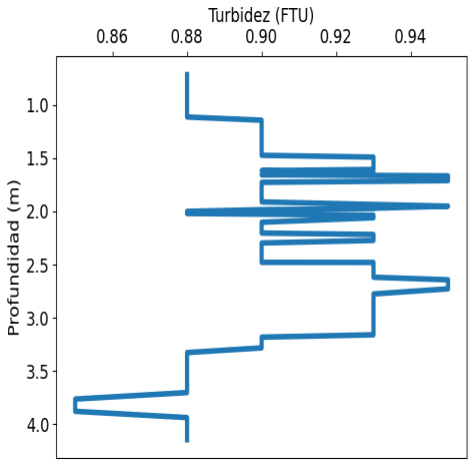
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4.636 | 23.41 | 61.21 | 0.66 | 6.54 | 131.86 | 1.03 | 42.62 |
| 4.667 | 23.41 | 61.21 | 0.66 | 6.51 | 129.05 | 1.03 | 42.62 |
| 4.697 | 23.41 | 61.21 | 0.66 | 6.49 | 126.49 | 1.03 | 42.62 |
| 4.734 | 23.41 | 61.21 | 0.66 | 6.47 | 127.51 | 1.03 | 42.62 |
| 4.775 | 23.41 | 61.21 | 0.66 | 6.46 | 129.86 | 1.04 | 42.62 |
| 4.8 | 23.41 | 61.21 | 0.66 | 6.47 | 127.09 | 1.04 | 42.62 |
| 4.804 | 23.41 | 61.21 | 0.66 | 6.49 | 127.2 | 1.04 | 42.62 |
| 4.806 | 23.41 | 61.21 | 0.66 | 6.5 | 127.7 | 1.04 | 42.62 |
| 4.835 | 23.41 | 61.21 | 0.63 | 6.49 | 125.17 | 1.04 | 42.62 |
| 4.893 | 23.41 | 61.21 | 0.63 | 6.5 | 122.1 | 1.04 | 42.62 |
| 4.961 | 23.41 | 61.21 | 0.63 | 6.51 | 121.41 | 1.04 | 42.62 |
| 4.995 | 23.41 | 61.21 | 0.63 | 6.52 | 121.86 | 1.04 | 42.62 |
| 5.0 | 23.41 | 61.21 | 0.63 | 6.53 | 120.81 | 1.04 | 42.62 |
| 5.012 | 23.41 | 61.21 | 0.63 | 6.54 | 118.25 | 1.04 | 42.62 |
| 5.064 | 23.41 | 61.21 | 0.63 | 6.55 | 117.05 | 1.04 | 42.62 |
| 5.138 | 23.41 | 61.21 | 0.63 | 6.56 | 117.41 | 1.04 | 42.62 |
| 5.162 | 23.41 | 61.21 | 0.66 | 6.55 | 115.05 | 1.02 | 42.62 |
| 5.169 | 23.41 | 61.21 | 0.66 | 6.55 | 114.88 | 1.02 | 42.62 |
| 5.228 | 23.41 | 61.22 | 0.66 | 6.54 | 113.26 | 1.02 | 42.62 |
| 5.316 | 23.41 | 61.22 | 0.66 | 6.55 | 113.24 | 1.02 | 42.62 |
| 5.377 | 23.41 | 61.22 | 0.66 | 6.56 | 113.44 | 1.04 | 42.62 |
| 5.4 | 23.41 | 61.22 | 0.66 | 6.57 | 111.38 | 1.04 | 42.62 |
| 5.404 | 23.41 | 61.22 | 0.66 | 6.57 | 110.17 | 1.04 | 42.62 |
| 5.406 | 23.41 | 61.22 | 0.66 | 6.56 | 109.91 | 1.04 | 42.62 |
| 5.423 | 23.41 | 61.22 | 0.66 | 6.56 | 109.12 | 1.03 | 42.62 |
| 5.467 | 23.41 | 61.22 | 0.66 | 6.54 | 108.53 | 1.03 | 42.62 |
| 5.517 | 23.41 | 61.22 | 0.66 | 6.54 | 108.98 | 1.03 | 42.62 |
| 5.556 | 23.41 | 61.22 | 0.66 | 6.53 | 110.39 | 1.03 | 42.62 |
| 5.586 | 23.41 | 61.22 | 0.68 | 6.54 | 109.03 | 1.04 | 42.62 |
| 5.61 | 23.41 | 61.22 | 0.68 | 6.55 | 105.2 | 1.04 | 42.62 |
| 5.63 | 23.41 | 61.22 | 0.68 | 6.55 | 104.61 | 1.04 | 42.62 |
| 5.66 | 23.41 | 61.22 | 0.68 | 6.55 | 105.5 | 1.04 | 42.62 |
| 5.703 | 23.41 | 61.22 | 0.68 | 6.54 | 106.7 | 1.04 | 42.62 |
| 5.756 | 23.41 | 61.22 | 0.71 | 6.54 | 106.52 | 1.03 | 42.62 |
| 5.795 | 23.41 | 61.22 | 0.71 | 6.54 | 105.57 | 1.03 | 42.62 |
| 5.812 | 23.42 | 61.22 | 0.71 | 6.53 | 106.22 | 1.03 | 42.62 |
| 5.831 | 23.42 | 61.22 | 0.71 | 6.53 | 106.89 | 1.03 | 42.62 |
| 5.845 | 23.42 | 61.22 | 0.71 | 6.52 | 105.92 | 1.0 | 42.62 |
| 5.851 | 23.42 | 61.22 | 0.71 | 6.51 | 104.66 | 1.0 | 42.62 |
| 5.853 | 23.42 | 61.22 | 0.71 | 6.53 | 104.18 | 1.0 | 42.62 |
| 5.854 | 23.42 | 61.22 | 0.71 | 6.54 | 104.22 | 1.0 | 42.62 |
| 5.855 | 23.42 | 61.22 | 0.71 | 6.55 | 103.66 | 1.0 | 42.62 |
| 5.857 | 23.42 | 61.22 | 0.68 | 6.56 | 101.67 | 1.05 | 42.62 |
| 5.859 | 23.42 | 61.22 | 0.68 | 6.56 | 99.13 | 1.05 | 42.62 |
| 5.86 | 23.42 | 61.22 | 0.68 | 6.57 | 100.0 | 1.05 | 42.62 |

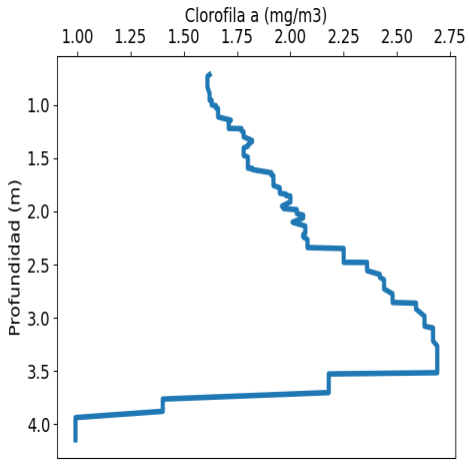
**Nombre: CTD E11 - Punto 016** **Fecha: 19/10/2022** **Hora: 11:10:22**

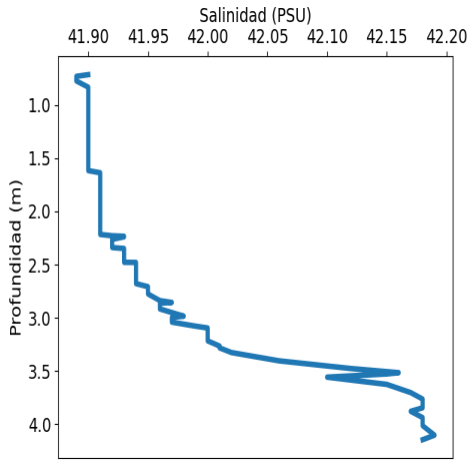


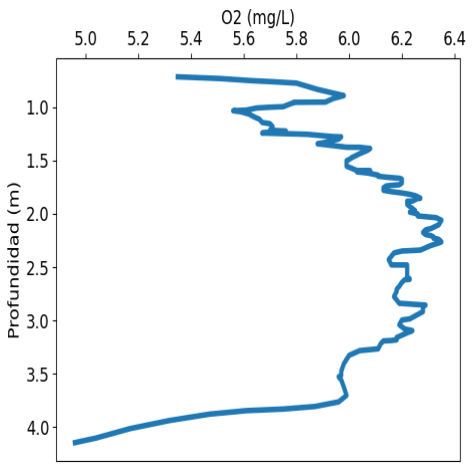



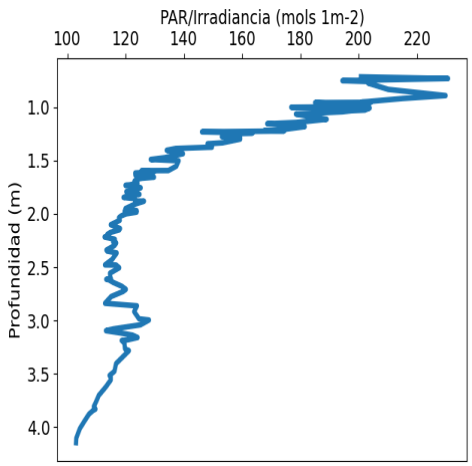




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 23.24 | 60.1 | 0.85 | 4.96 | 103.0 | 0.99 | 41.89 |
| **PROF (metros)** | 1.637 | 0.715 | 3.764 | 4.146 | 4.146 | 3.938 | 0.731 |
| **MÁXIMO** | 23.38 | 23.38 | 0.95 | 6.35 | 230.66 | 2.69 | 42.19 |
| **PROF (metros)** | 4.146 | 4.103 | 1.666 | 2.06 | 0.731 | 3.266 | 4.103 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E11 - Punto 016 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 23.26 | 60.1 | 0.88 | 5.76 | 205.79 | 1.62 | 41.9 |
| 1 - 2m | 23.25 | 60.1 | 0.91 | 6.0 | 143.25 | 1.84 | 41.9 |
| 2 - 3m | 23.24 | 60.14 | 0.92 | 6.26 | 116.92 | 2.26 | 41.93 |
| 3 - 4m | 23.3 | 60.39 | 0.89 | 5.99 | 115.74 | 2.29 | 42.08 |
| 4 - 5m | 23.38 | 60.62 | 0.88 | 5.06 | 103.47 | 0.99 | 42.18 |

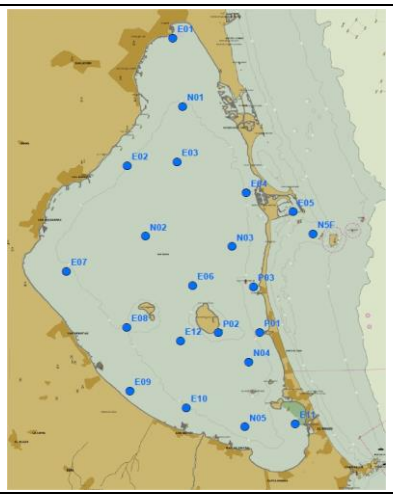
| OBSERVACIONES GENERALES |
|---|
| CLOROFILA elevada en la(s) columna(s) de agua 2 - 3m, 3 - 4m con los valores 2.26, 2.29 respectivamente |

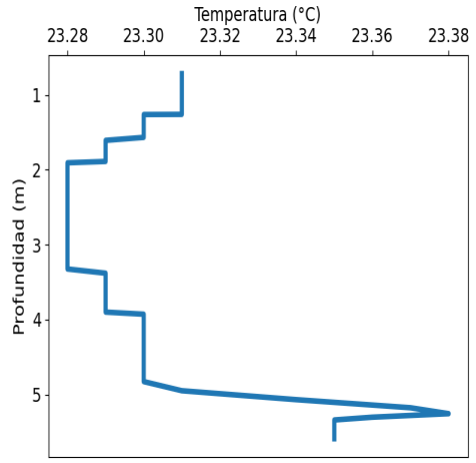
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.715 | 23.25 | 60.1 | 0.88 | 5.35 | 200.74 | 1.62 | 41.9 |
| 0.731 | 23.26 | 60.1 | 0.88 | 5.51 | 230.66 | 1.61 | 41.89 |
| 0.751 | 23.26 | 60.1 | 0.88 | 5.63 | 194.37 | 1.61 | 41.89 |
| 0.761 | 23.26 | 60.1 | 0.88 | 5.71 | 205.29 | 1.61 | 41.89 |
| 0.774 | 23.26 | 60.1 | 0.88 | 5.8 | 203.2 | 1.61 | 41.89 |
| 0.833 | 23.26 | 60.1 | 0.88 | 5.88 | 210.13 | 1.61 | 41.9 |
| 0.891 | 23.26 | 60.11 | 0.88 | 5.98 | 229.81 | 1.62 | 41.9 |
| 0.918 | 23.26 | 60.1 | 0.88 | 5.94 | 215.14 | 1.62 | 41.9 |
| 0.952 | 23.26 | 60.1 | 0.88 | 5.91 | 201.05 | 1.62 | 41.9 |
| 0.954 | 23.26 | 60.11 | 0.88 | 5.79 | 204.14 | 1.62 | 41.9 |
| 0.957 | 23.26 | 60.11 | 0.88 | 5.79 | 185.0 | 1.63 | 41.9 |
| 0.975 | 23.26 | 60.11 | 0.88 | 5.77 | 196.5 | 1.63 | 41.9 |
| 0.995 | 23.26 | 60.11 | 0.88 | 5.75 | 199.26 | 1.63 | 41.9 |
| 1.0 | 23.26 | 60.11 | 0.88 | 5.7 | 176.81 | 1.63 | 41.9 |
| 1.007 | 23.26 | 60.11 | 0.88 | 5.65 | 203.78 | 1.65 | 41.9 |
| 1.027 | 23.26 | 60.11 | 0.88 | 5.61 | 202.1 | 1.65 | 41.9 |
| 1.033 | 23.26 | 60.11 | 0.88 | 5.56 | 197.45 | 1.66 | 41.9 |
| 1.043 | 23.26 | 60.11 | 0.88 | 5.59 | 194.37 | 1.66 | 41.9 |
| 1.064 | 23.26 | 60.11 | 0.88 | 5.62 | 178.43 | 1.66 | 41.9 |
| 1.091 | 23.26 | 60.11 | 0.88 | 5.64 | 183.99 | 1.66 | 41.9 |
| 1.113 | 23.26 | 60.11 | 0.88 | 5.66 | 189.03 | 1.66 | 41.9 |
| 1.143 | 23.26 | 60.11 | 0.9 | 5.67 | 178.59 | 1.72 | 41.9 |
| 1.155 | 23.25 | 60.11 | 0.9 | 5.7 | 168.57 | 1.71 | 41.9 |
| 1.182 | 23.25 | 60.1 | 0.9 | 5.71 | 181.49 | 1.71 | 41.9 |
| 1.214 | 23.25 | 60.1 | 0.9 | 5.7 | 172.73 | 1.71 | 41.9 |
| 1.22 | 23.25 | 60.1 | 0.9 | 5.73 | 167.55 | 1.71 | 41.9 |
| 1.223 | 23.25 | 60.1 | 0.9 | 5.76 | 174.4 | 1.77 | 41.9 |
| 1.228 | 23.25 | 60.1 | 0.9 | 5.76 | 158.05 | 1.77 | 41.9 |
| 1.231 | 23.25 | 60.1 | 0.9 | 5.72 | 146.2 | 1.77 | 41.9 |
| 1.242 | 23.25 | 60.1 | 0.9 | 5.67 | 163.58 | 1.77 | 41.9 |
| 1.254 | 23.25 | 60.1 | 0.9 | 5.84 | 153.94 | 1.78 | 41.9 |
| 1.265 | 23.25 | 60.1 | 0.9 | 5.89 | 156.71 | 1.78 | 41.9 |
| 1.276 | 23.25 | 60.1 | 0.9 | 5.94 | 153.0 | 1.78 | 41.9 |
| 1.278 | 23.25 | 60.1 | 0.9 | 5.97 | 159.29 | 1.78 | 41.9 |
| 1.299 | 23.25 | 60.1 | 0.9 | 5.96 | 159.33 | 1.78 | 41.9 |
| 1.334 | 23.25 | 60.1 | 0.9 | 5.9 | 153.2 | 1.82 | 41.9 |

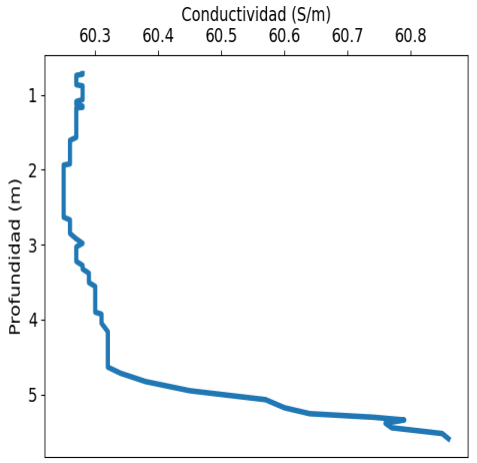
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.343 | 23.25 | 60.1 | 0.9 | 5.88 | 148.09 | 1.82 | 41.9 |
| 1.375 | 23.25 | 60.1 | 0.9 | 5.99 | 149.64 | 1.8 | 41.9 |
| 1.376 | 23.25 | 60.1 | 0.9 | 6.04 | 148.09 | 1.8 | 41.9 |
| 1.387 | 23.25 | 60.1 | 0.9 | 6.08 | 137.19 | 1.8 | 41.9 |
| 1.404 | 23.25 | 60.1 | 0.9 | 6.07 | 134.09 | 1.78 | 41.9 |
| 1.436 | 23.25 | 60.1 | 0.9 | 6.04 | 139.72 | 1.78 | 41.9 |
| 1.473 | 23.25 | 60.1 | 0.9 | 6.01 | 133.5 | 1.78 | 41.9 |
| 1.49 | 23.25 | 60.1 | 0.93 | 6.0 | 128.62 | 1.8 | 41.9 |
| 1.502 | 23.25 | 60.1 | 0.93 | 5.99 | 138.21 | 1.8 | 41.9 |
| 1.553 | 23.25 | 60.1 | 0.93 | 5.99 | 137.4 | 1.8 | 41.9 |
| 1.594 | 23.25 | 60.1 | 0.93 | 6.03 | 134.67 | 1.8 | 41.9 |
| 1.595 | 23.25 | 60.1 | 0.93 | 6.08 | 125.47 | 1.82 | 41.9 |
| 1.598 | 23.25 | 60.1 | 0.93 | 6.05 | 126.73 | 1.82 | 41.9 |
| 1.606 | 23.25 | 60.1 | 0.93 | 6.03 | 129.75 | 1.82 | 41.9 |
| 1.617 | 23.25 | 60.1 | 0.9 | 6.07 | 123.3 | 1.85 | 41.9 |
| 1.637 | 23.24 | 60.1 | 0.93 | 6.11 | 123.36 | 1.91 | 41.91 |
| 1.647 | 23.24 | 60.1 | 0.93 | 6.11 | 128.46 | 1.91 | 41.91 |
| 1.656 | 23.24 | 60.1 | 0.9 | 6.14 | 129.78 | 1.91 | 41.91 |
| 1.666 | 23.24 | 60.1 | 0.95 | 6.19 | 125.61 | 1.92 | 41.91 |
| 1.674 | 23.24 | 60.1 | 0.95 | 6.2 | 123.92 | 1.92 | 41.91 |
| 1.693 | 23.24 | 60.1 | 0.95 | 6.2 | 123.04 | 1.92 | 41.91 |
| 1.711 | 23.24 | 60.1 | 0.95 | 6.2 | 124.11 | 1.92 | 41.91 |
| 1.727 | 23.24 | 60.1 | 0.9 | 6.19 | 121.7 | 1.92 | 41.91 |
| 1.733 | 23.24 | 60.1 | 0.9 | 6.16 | 119.94 | 1.92 | 41.91 |
| 1.739 | 23.24 | 60.1 | 0.9 | 6.14 | 123.28 | 1.92 | 41.91 |
| 1.756 | 23.24 | 60.1 | 0.9 | 6.13 | 125.22 | 1.92 | 41.91 |
| 1.779 | 23.24 | 60.1 | 0.9 | 6.13 | 122.58 | 1.95 | 41.91 |
| 1.792 | 23.24 | 60.1 | 0.9 | 6.16 | 120.23 | 1.95 | 41.91 |
| 1.804 | 23.24 | 60.1 | 0.9 | 6.2 | 122.71 | 1.95 | 41.91 |
| 1.817 | 23.24 | 60.1 | 0.9 | 6.23 | 124.79 | 1.95 | 41.91 |
| 1.829 | 23.24 | 60.1 | 0.9 | 6.25 | 122.02 | 1.95 | 41.91 |
| 1.839 | 23.24 | 60.1 | 0.9 | 6.26 | 120.15 | 1.98 | 41.91 |
| 1.846 | 23.24 | 60.1 | 0.9 | 6.26 | 119.29 | 1.98 | 41.91 |
| 1.852 | 23.24 | 60.1 | 0.9 | 6.27 | 121.33 | 1.98 | 41.91 |
| 1.855 | 23.24 | 60.1 | 0.9 | 6.27 | 123.01 | 2.0 | 41.91 |
| 1.856 | 23.24 | 60.1 | 0.9 | 6.26 | 123.2 | 2.0 | 41.91 |
| 1.88 | 23.24 | 60.11 | 0.9 | 6.24 | 123.25 | 2.0 | 41.91 |
| 1.881 | 23.24 | 60.1 | 0.9 | 6.22 | 126.35 | 2.0 | 41.91 |
| 1.911 | 23.24 | 60.1 | 0.9 | 6.22 | 123.01 | 2.0 | 41.91 |
| 1.951 | 23.24 | 60.1 | 0.95 | 6.24 | 119.94 | 1.96 | 41.91 |
| 1.97 | 23.24 | 60.11 | 0.93 | 6.25 | 123.81 | 1.97 | 41.91 |
| 1.974 | 23.24 | 60.11 | 0.93 | 6.24 | 119.65 | 1.97 | 41.91 |
| 1.984 | 23.24 | 60.11 | 0.9 | 6.23 | 123.79 | 2.03 | 41.91 |
| 2.0 | 23.24 | 60.11 | 0.88 | 6.26 | 120.18 | 2.03 | 41.91 |
| 2.02 | 23.24 | 60.11 | 0.88 | 6.26 | 118.46 | 2.03 | 41.91 |
| 2.036 | 23.24 | 60.11 | 0.93 | 6.33 | 117.71 | 2.06 | 41.91 |
| 2.06 | 23.24 | 60.11 | 0.93 | 6.35 | 118.05 | 2.06 | 41.91 |
| 2.102 | 23.24 | 60.11 | 0.9 | 6.34 | 114.9 | 2.01 | 41.91 |
| 2.138 | 23.24 | 60.11 | 0.9 | 6.31 | 118.13 | 2.07 | 41.91 |
| 2.15 | 23.24 | 60.11 | 0.9 | 6.29 | 117.84 | 2.07 | 41.91 |
| 2.175 | 23.24 | 60.11 | 0.9 | 6.28 | 114.73 | 2.07 | 41.91 |
| 2.194 | 23.24 | 60.11 | 0.9 | 6.29 | 113.68 | 2.07 | 41.91 |
| 2.204 | 23.24 | 60.11 | 0.9 | 6.31 | 114.21 | 2.07 | 41.91 |
| 2.217 | 23.24 | 60.11 | 0.93 | 6.32 | 112.77 | 2.06 | 41.91 |
| 2.229 | 23.24 | 60.12 | 0.93 | 6.32 | 114.75 | 2.06 | 41.92 |
| 2.234 | 23.24 | 60.13 | 0.93 | 6.33 | 115.61 | 2.06 | 41.93 |
| 2.239 | 23.24 | 60.13 | 0.93 | 6.34 | 116.34 | 2.06 | 41.93 |
| 2.263 | 23.24 | 60.12 | 0.93 | 6.35 | 115.71 | 2.08 | 41.92 |

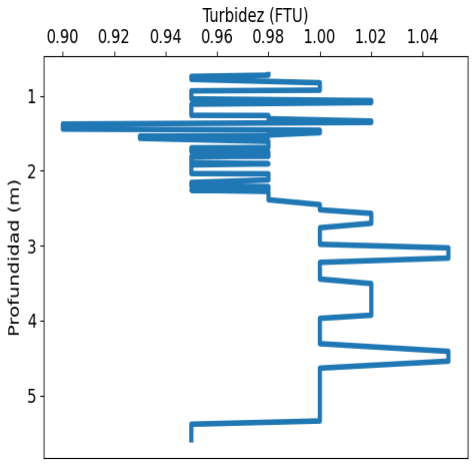
| 2.273 | 23.24 | 60.12 | 0.93 | 6.34 | 116.8 | 2.08 | 41.92 |
|---|---|---|---|---|---|---|---|
| 2.297 | 23.24 | 60.12 | 0.9 | 6.31 | 116.21 | 2.08 | 41.92 |
| 2.34 | 23.24 | 60.12 | 0.9 | 6.27 | 113.41 | 2.08 | 41.92 |
| 2.349 | 23.24 | 60.13 | 0.9 | 6.2 | 113.66 | 2.25 | 41.93 |
| 2.367 | 23.24 | 60.13 | 0.9 | 6.17 | 116.97 | 2.25 | 41.93 |
| 2.429 | 23.24 | 60.13 | 0.9 | 6.15 | 115.35 | 2.25 | 41.93 |
| 2.479 | 23.24 | 60.14 | 0.9 | 6.16 | 112.92 | 2.25 | 41.93 |
| 2.48 | 23.24 | 60.14 | 0.93 | 6.22 | 116.74 | 2.36 | 41.94 |
| 2.506 | 23.24 | 60.14 | 0.93 | 6.22 | 117.84 | 2.36 | 41.94 |
| 2.557 | 23.24 | 60.14 | 0.93 | 6.22 | 114.63 | 2.36 | 41.94 |
| 2.593 | 23.24 | 60.15 | 0.93 | 6.22 | 114.75 | 2.42 | 41.94 |
| 2.611 | 23.24 | 60.15 | 0.93 | 6.23 | 115.03 | 2.42 | 41.94 |
| 2.614 | 23.24 | 60.15 | 0.93 | 6.23 | 113.34 | 2.42 | 41.94 |
| 2.619 | 23.24 | 60.15 | 0.93 | 6.21 | 114.25 | 2.42 | 41.94 |
| 2.643 | 23.24 | 60.15 | 0.95 | 6.2 | 115.73 | 2.44 | 41.94 |
| 2.679 | 23.24 | 60.15 | 0.95 | 6.19 | 118.67 | 2.44 | 41.94 |
| 2.708 | 23.24 | 60.16 | 0.95 | 6.18 | 120.12 | 2.44 | 41.95 |
| 2.728 | 23.24 | 60.16 | 0.95 | 6.18 | 119.16 | 2.44 | 41.95 |
| 2.776 | 23.24 | 60.16 | 0.93 | 6.17 | 115.05 | 2.48 | 41.95 |
| 2.839 | 23.24 | 60.17 | 0.93 | 6.19 | 112.94 | 2.48 | 41.96 |
| 2.856 | 23.25 | 60.19 | 0.93 | 6.29 | 120.67 | 2.48 | 41.97 |
| 2.863 | 23.25 | 60.18 | 0.93 | 6.28 | 123.92 | 2.59 | 41.96 |
| 2.917 | 23.25 | 60.18 | 0.93 | 6.28 | 122.93 | 2.59 | 41.96 |
| 2.985 | 23.25 | 60.22 | 0.93 | 6.23 | 124.63 | 2.63 | 41.98 |
| 2.996 | 23.25 | 60.2 | 0.93 | 6.2 | 128.04 | 2.63 | 41.97 |
| 3.041 | 23.25 | 60.2 | 0.93 | 6.19 | 125.09 | 2.63 | 41.97 |
| 3.079 | 23.25 | 60.22 | 0.93 | 6.21 | 115.88 | 2.63 | 41.99 |
| 3.096 | 23.26 | 60.24 | 0.93 | 6.24 | 113.24 | 2.67 | 42.0 |
| 3.116 | 23.26 | 60.24 | 0.93 | 6.22 | 117.97 | 2.67 | 42.0 |
| 3.138 | 23.26 | 60.24 | 0.93 | 6.2 | 122.39 | 2.67 | 42.0 |
| 3.16 | 23.26 | 60.25 | 0.93 | 6.18 | 124.14 | 2.67 | 42.0 |
| 3.182 | 23.26 | 60.25 | 0.9 | 6.18 | 120.65 | 2.67 | 42.0 |
| 3.188 | 23.26 | 60.24 | 0.9 | 6.16 | 118.64 | 2.67 | 42.0 |
| 3.192 | 23.26 | 60.24 | 0.9 | 6.13 | 118.93 | 2.67 | 42.0 |
| 3.217 | 23.26 | 60.25 | 0.9 | 6.12 | 119.63 | 2.67 | 42.0 |
| 3.266 | 23.26 | 60.25 | 0.9 | 6.11 | 119.78 | 2.69 | 42.01 |
| 3.283 | 23.28 | 60.27 | 0.9 | 6.04 | 121.17 | 2.69 | 42.01 |
| 3.327 | 23.27 | 60.28 | 0.88 | 6.0 | 119.58 | 2.69 | 42.02 |
| 3.405 | 23.27 | 60.34 | 0.88 | 5.98 | 116.72 | 2.69 | 42.06 |
| 3.477 | 23.28 | 60.42 | 0.88 | 5.97 | 116.19 | 2.69 | 42.12 |
| 3.516 | 23.3 | 60.49 | 0.88 | 5.97 | 114.48 | 2.69 | 42.16 |
| 3.528 | 23.32 | 60.5 | 0.88 | 5.96 | 114.93 | 2.18 | 42.15 |
| 3.558 | 23.33 | 60.46 | 0.88 | 5.97 | 114.93 | 2.18 | 42.1 |
| 3.626 | 23.33 | 60.52 | 0.88 | 5.98 | 113.14 | 2.18 | 42.15 |
| 3.703 | 23.34 | 60.55 | 0.88 | 5.99 | 110.8 | 2.18 | 42.17 |
| 3.764 | 23.35 | 60.58 | 0.85 | 5.96 | 109.86 | 1.4 | 42.18 |
| 3.807 | 23.36 | 60.59 | 0.85 | 5.87 | 109.1 | 1.4 | 42.18 |
| 3.831 | 23.37 | 60.59 | 0.85 | 5.75 | 109.7 | 1.4 | 42.18 |
| 3.846 | 23.37 | 60.6 | 0.85 | 5.61 | 108.77 | 1.4 | 42.18 |
| 3.879 | 23.37 | 60.6 | 0.85 | 5.47 | 107.43 | 1.4 | 42.17 |
| 3.938 | 23.37 | 60.61 | 0.88 | 5.32 | 106.03 | 0.99 | 42.18 |
| 4.014 | 23.37 | 60.61 | 0.88 | 5.17 | 104.31 | 0.99 | 42.18 |
| 4.103 | 23.37 | 60.62 | 0.88 | 5.04 | 103.09 | 0.99 | 42.19 |
| 4.146 | 23.38 | 60.62 | 0.88 | 4.96 | 103.0 | 0.99 | 42.18 |

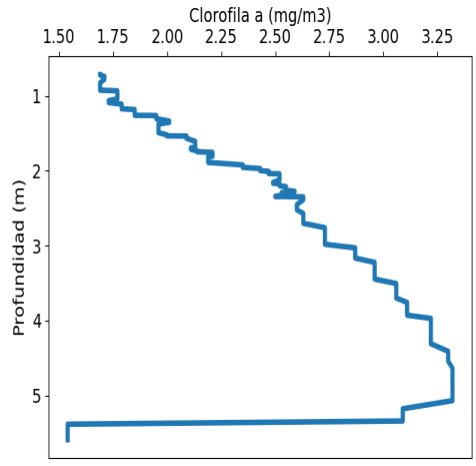
**Nombre: CTD N05 - Punto 017** **Fecha: 19/10/2022** **Hora: 11:10:30**

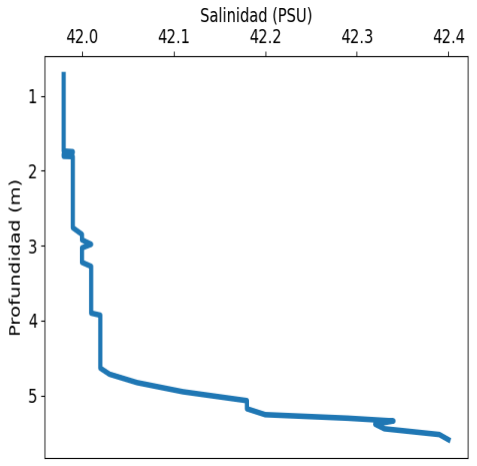


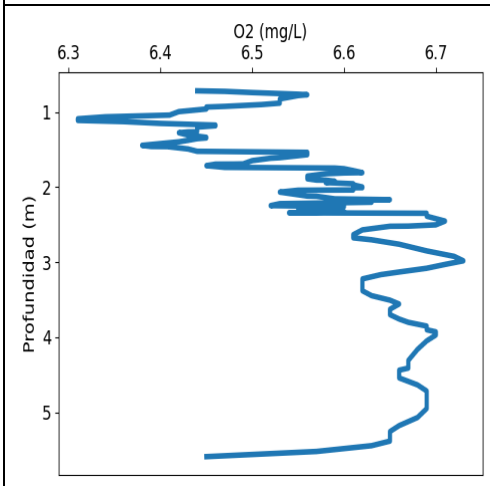



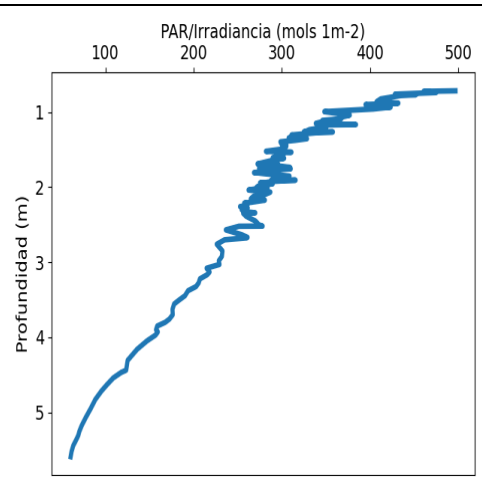




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 23.28 | 60.25 | 0.9 | 6.31 | 60.55 | 1.54 | 41.98 |
| **PROF (metros)** | 1.907 | 1.938 | 1.378 | 1.091 | 5.589 | 5.382 | 0.719 |
| **MÁXIMO** | 23.38 | 23.38 | 1.05 | 6.73 | 496.89 | 3.32 | 42.4 |
| **PROF (metros)** | 5.255 | 5.589 | 3.03 | 2.982 | 0.719 | 4.634 | 5.589 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD N05 - Punto 017 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 23.31 | 60.28 | 0.97 | 6.5 | 426.55 | 1.71 | 41.98 |
| 1 - 2m | 23.3 | 60.27 | 0.96 | 6.49 | 309.83 | 2.05 | 41.98 |
| 2 - 3m | 23.28 | 60.26 | 0.98 | 6.62 | 259.76 | 2.57 | 41.99 |
| 3 - 4m | 23.29 | 60.29 | 1.02 | 6.66 | 187.52 | 3.02 | 42.01 |
| 4 - 5m | 23.3 | 60.34 | 1.02 | 6.68 | 113.7 | 3.28 | 42.03 |
| 5 - 6m | 23.36 | 60.73 | 0.98 | 6.62 | 67.77 | 2.42 | 42.29 |

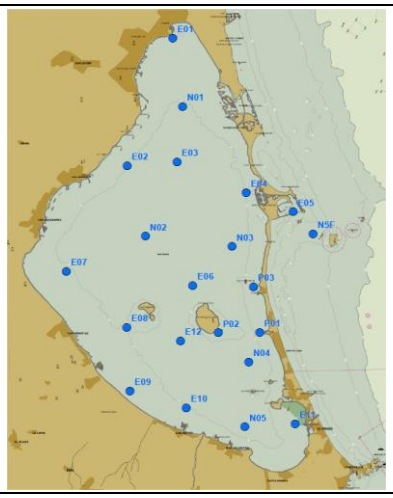
| OBSERVACIONES GENERALES |
|---|
| CLOROFILA elevada en la(s) columna(s) de agua 1 - 2m, 2 - 3m, 3 - 4m, 4 - 5m, 5 - 6m con los valores 2.05, 2.57, 3.02, 3.28, 2.42 respectivamente |

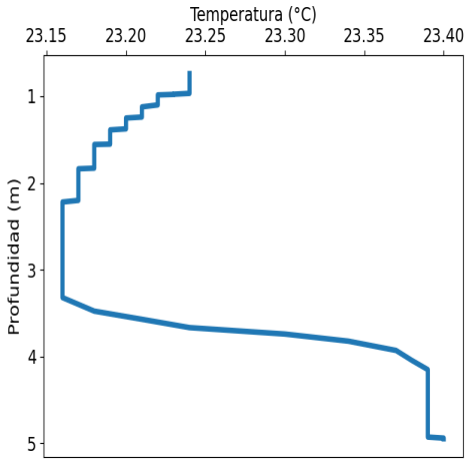
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.719 | 23.31 | 60.28 | 0.98 | 6.44 | 496.89 | 1.69 | 41.98 |
| 0.726 | 23.31 | 60.28 | 0.98 | 6.47 | 460.73 | 1.69 | 41.98 |
| 0.742 | 23.31 | 60.27 | 0.95 | 6.5 | 474.99 | 1.71 | 41.98 |
| 0.764 | 23.31 | 60.27 | 0.95 | 6.55 | 428.22 | 1.71 | 41.98 |
| 0.771 | 23.31 | 60.27 | 0.95 | 6.56 | 452.08 | 1.71 | 41.98 |
| 0.782 | 23.31 | 60.27 | 0.95 | 6.55 | 434.8 | 1.71 | 41.98 |
| 0.827 | 23.31 | 60.27 | 1.0 | 6.53 | 412.12 | 1.69 | 41.98 |
| 0.866 | 23.31 | 60.27 | 1.0 | 6.53 | 407.3 | 1.69 | 41.98 |
| 0.883 | 23.31 | 60.28 | 1.0 | 6.53 | 432.15 | 1.69 | 41.98 |
| 0.902 | 23.31 | 60.28 | 1.0 | 6.51 | 394.81 | 1.69 | 41.98 |
| 0.926 | 23.31 | 60.28 | 1.0 | 6.47 | 402.45 | 1.69 | 41.98 |
| 0.935 | 23.31 | 60.28 | 0.95 | 6.45 | 423.49 | 1.77 | 41.98 |
| 0.961 | 23.31 | 60.28 | 0.95 | 6.45 | 403.59 | 1.77 | 41.98 |
| 0.996 | 23.31 | 60.28 | 0.95 | 6.42 | 348.12 | 1.77 | 41.98 |
| 1.042 | 23.31 | 60.28 | 0.95 | 6.41 | 377.08 | 1.77 | 41.98 |
| 1.065 | 23.31 | 60.28 | 1.02 | 6.34 | 369.04 | 1.73 | 41.98 |
| 1.091 | 23.31 | 60.27 | 1.02 | 6.31 | 367.11 | 1.73 | 41.98 |
| 1.113 | 23.31 | 60.27 | 0.95 | 6.31 | 346.0 | 1.79 | 41.98 |
| 1.129 | 23.31 | 60.27 | 0.95 | 6.36 | 346.15 | 1.79 | 41.98 |
| 1.153 | 23.31 | 60.28 | 0.95 | 6.4 | 338.47 | 1.79 | 41.98 |
| 1.168 | 23.31 | 60.28 | 0.95 | 6.44 | 384.12 | 1.79 | 41.98 |
| 1.175 | 23.31 | 60.27 | 0.95 | 6.46 | 340.54 | 1.79 | 41.98 |
| 1.184 | 23.31 | 60.27 | 0.95 | 6.46 | 341.06 | 1.85 | 41.98 |
| 1.202 | 23.31 | 60.27 | 0.95 | 6.44 | 350.55 | 1.85 | 41.98 |
| 1.236 | 23.31 | 60.27 | 0.95 | 6.44 | 331.33 | 1.85 | 41.98 |
| 1.262 | 23.31 | 60.27 | 0.95 | 6.44 | 326.53 | 1.85 | 41.98 |
| 1.264 | 23.3 | 60.27 | 0.98 | 6.44 | 324.97 | 1.95 | 41.98 |
| 1.266 | 23.3 | 60.27 | 0.98 | 6.43 | 357.96 | 1.95 | 41.98 |
| 1.277 | 23.3 | 60.27 | 0.98 | 6.42 | 338.69 | 1.95 | 41.98 |
| 1.307 | 23.3 | 60.27 | 0.98 | 6.43 | 310.91 | 1.95 | 41.98 |
| 1.338 | 23.3 | 60.27 | 1.02 | 6.45 | 323.69 | 2.01 | 41.98 |
| 1.346 | 23.3 | 60.27 | 1.02 | 6.45 | 307.75 | 2.01 | 41.98 |
| 1.356 | 23.3 | 60.27 | 1.02 | 6.44 | 328.59 | 2.01 | 41.98 |
| 1.378 | 23.3 | 60.27 | 0.9 | 6.43 | 314.86 | 1.96 | 41.98 |

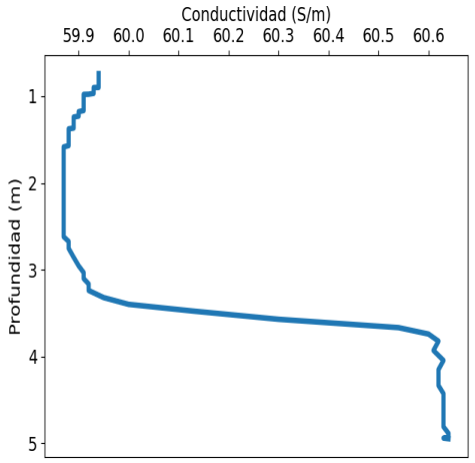
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.398 | 23.3 | 60.27 | 0.9 | 6.42 | 298.38 | 1.96 | 41.98 |
| 1.422 | 23.3 | 60.27 | 0.9 | 6.4 | 299.42 | 1.96 | 41.98 |
| 1.445 | 23.3 | 60.27 | 0.9 | 6.38 | 305.21 | 1.96 | 41.98 |
| 1.46 | 23.3 | 60.27 | 1.0 | 6.39 | 302.5 | 1.96 | 41.98 |
| 1.462 | 23.3 | 60.27 | 1.0 | 6.41 | 304.88 | 1.96 | 41.98 |
| 1.465 | 23.3 | 60.27 | 1.0 | 6.41 | 300.66 | 1.96 | 41.98 |
| 1.493 | 23.3 | 60.27 | 1.0 | 6.43 | 301.38 | 1.96 | 41.98 |
| 1.524 | 23.3 | 60.27 | 0.98 | 6.44 | 281.89 | 2.0 | 41.98 |
| 1.536 | 23.3 | 60.27 | 0.98 | 6.54 | 310.98 | 2.0 | 41.98 |
| 1.538 | 23.3 | 60.27 | 0.93 | 6.56 | 296.89 | 2.09 | 41.98 |
| 1.569 | 23.3 | 60.27 | 0.93 | 6.56 | 301.84 | 2.09 | 41.98 |
| 1.609 | 23.29 | 60.26 | 0.98 | 6.53 | 289.61 | 2.13 | 41.98 |
| 1.616 | 23.29 | 60.26 | 0.98 | 6.52 | 302.63 | 2.13 | 41.98 |
| 1.648 | 23.29 | 60.26 | 0.98 | 6.5 | 287.91 | 2.13 | 41.98 |
| 1.692 | 23.29 | 60.26 | 0.98 | 6.49 | 272.36 | 2.13 | 41.98 |
| 1.694 | 23.29 | 60.26 | 0.95 | 6.48 | 280.42 | 2.11 | 41.98 |
| 1.695 | 23.29 | 60.26 | 0.95 | 6.46 | 295.85 | 2.11 | 41.98 |
| 1.715 | 23.29 | 60.26 | 0.95 | 6.45 | 293.61 | 2.11 | 41.98 |
| 1.738 | 23.29 | 60.26 | 0.95 | 6.47 | 309.22 | 2.14 | 41.98 |
| 1.747 | 23.29 | 60.26 | 0.95 | 6.59 | 274.2 | 2.14 | 41.99 |
| 1.756 | 23.29 | 60.26 | 0.98 | 6.6 | 310.17 | 2.21 | 41.99 |
| 1.781 | 23.29 | 60.26 | 0.98 | 6.61 | 285.41 | 2.21 | 41.98 |
| 1.808 | 23.29 | 60.26 | 0.98 | 6.62 | 268.35 | 2.21 | 41.98 |
| 1.812 | 23.29 | 60.26 | 0.95 | 6.6 | 273.6 | 2.19 | 41.99 |
| 1.823 | 23.29 | 60.26 | 0.95 | 6.58 | 280.97 | 2.19 | 41.99 |
| 1.854 | 23.29 | 60.26 | 0.95 | 6.56 | 308.69 | 2.19 | 41.99 |
| 1.89 | 23.29 | 60.26 | 0.95 | 6.56 | 303.75 | 2.19 | 41.99 |
| 1.907 | 23.28 | 60.26 | 0.98 | 6.57 | 287.97 | 2.27 | 41.99 |
| 1.908 | 23.28 | 60.26 | 0.98 | 6.58 | 315.62 | 2.27 | 41.99 |
| 1.923 | 23.28 | 60.26 | 0.95 | 6.59 | 292.08 | 2.35 | 41.99 |
| 1.938 | 23.28 | 60.25 | 0.95 | 6.58 | 282.81 | 2.35 | 41.99 |
| 1.941 | 23.28 | 60.25 | 0.95 | 6.58 | 288.35 | 2.35 | 41.99 |
| 1.945 | 23.28 | 60.25 | 0.95 | 6.59 | 275.16 | 2.35 | 41.99 |
| 1.956 | 23.28 | 60.25 | 0.95 | 6.61 | 289.73 | 2.35 | 41.99 |
| 1.971 | 23.28 | 60.25 | 0.95 | 6.61 | 281.09 | 2.43 | 41.99 |
| 1.999 | 23.28 | 60.25 | 0.95 | 6.62 | 271.59 | 2.43 | 41.99 |
| 2.008 | 23.28 | 60.25 | 0.95 | 6.62 | 283.86 | 2.47 | 41.99 |
| 2.009 | 23.28 | 60.25 | 0.95 | 6.61 | 278.9 | 2.47 | 41.99 |
| 2.039 | 23.28 | 60.25 | 0.95 | 6.61 | 262.17 | 2.47 | 41.99 |
| 2.042 | 23.28 | 60.25 | 0.98 | 6.55 | 264.35 | 2.52 | 41.99 |
| 2.067 | 23.28 | 60.25 | 0.98 | 6.53 | 287.03 | 2.52 | 41.99 |
| 2.12 | 23.28 | 60.25 | 0.98 | 6.56 | 276.72 | 2.52 | 41.99 |
| 2.123 | 23.28 | 60.25 | 0.98 | 6.57 | 267.89 | 2.52 | 41.99 |
| 2.157 | 23.28 | 60.25 | 0.95 | 6.59 | 264.75 | 2.49 | 41.99 |
| 2.168 | 23.28 | 60.25 | 0.95 | 6.65 | 273.6 | 2.49 | 41.99 |
| 2.174 | 23.28 | 60.25 | 0.95 | 6.63 | 280.79 | 2.52 | 41.99 |
| 2.202 | 23.28 | 60.25 | 0.95 | 6.63 | 265.45 | 2.52 | 41.99 |
| 2.213 | 23.28 | 60.25 | 0.98 | 6.57 | 257.31 | 2.55 | 41.99 |
| 2.221 | 23.28 | 60.25 | 0.98 | 6.53 | 261.26 | 2.55 | 41.99 |
| 2.247 | 23.28 | 60.25 | 0.98 | 6.52 | 260.52 | 2.55 | 41.99 |
| 2.26 | 23.28 | 60.25 | 0.95 | 6.6 | 252.59 | 2.55 | 41.99 |
| 2.277 | 23.28 | 60.25 | 0.98 | 6.58 | 261.32 | 2.59 | 41.99 |
| 2.293 | 23.28 | 60.25 | 0.98 | 6.55 | 254.8 | 2.53 | 41.99 |
| 2.301 | 23.28 | 60.25 | 0.98 | 6.57 | 254.41 | 2.53 | 41.99 |
| 2.327 | 23.28 | 60.25 | 0.98 | 6.6 | 257.87 | 2.53 | 41.99 |
| 2.343 | 23.28 | 60.25 | 0.98 | 6.54 | 269.93 | 2.5 | 41.99 |
| 2.349 | 23.28 | 60.25 | 0.98 | 6.69 | 256.13 | 2.63 | 41.99 |
| 2.388 | 23.28 | 60.25 | 0.98 | 6.69 | 259.5 | 2.63 | 41.99 |

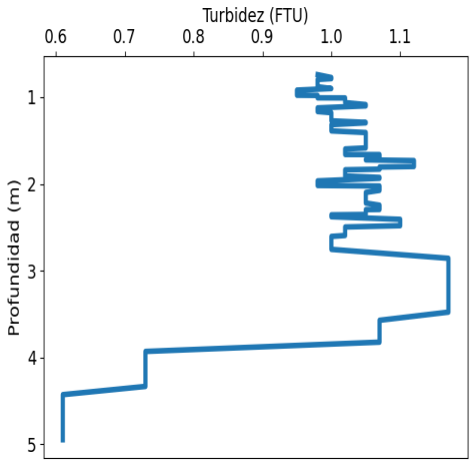
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2.453 | 23.28 | 60.25 | 1.0 | 6.71 | 270.17 | 2.6 | 41.99 |
| 2.503 | 23.28 | 60.25 | 1.0 | 6.7 | 274.02 | 2.6 | 41.99 |
| 2.52 | 23.28 | 60.25 | 1.0 | 6.67 | 278.23 | 2.6 | 41.99 |
| 2.522 | 23.28 | 60.25 | 1.0 | 6.65 | 251.38 | 2.6 | 41.99 |
| 2.57 | 23.28 | 60.25 | 1.02 | 6.62 | 236.46 | 2.63 | 41.99 |
| 2.634 | 23.28 | 60.25 | 1.02 | 6.61 | 254.35 | 2.63 | 41.99 |
| 2.67 | 23.28 | 60.26 | 1.02 | 6.61 | 261.09 | 2.63 | 41.99 |
| 2.676 | 23.28 | 60.26 | 1.02 | 6.61 | 260.12 | 2.63 | 41.99 |
| 2.702 | 23.28 | 60.26 | 1.02 | 6.63 | 235.12 | 2.63 | 41.99 |
| 2.761 | 23.28 | 60.26 | 1.0 | 6.66 | 226.18 | 2.73 | 41.99 |
| 2.85 | 23.28 | 60.26 | 1.0 | 6.69 | 232.68 | 2.73 | 42.0 |
| 2.923 | 23.28 | 60.27 | 1.0 | 6.72 | 232.02 | 2.73 | 42.0 |
| 2.982 | 23.28 | 60.28 | 1.0 | 6.73 | 228.51 | 2.73 | 42.01 |
| 3.03 | 23.28 | 60.27 | 1.05 | 6.71 | 229.31 | 2.87 | 42.0 |
| 3.081 | 23.28 | 60.27 | 1.05 | 6.69 | 214.67 | 2.87 | 42.0 |
| 3.131 | 23.28 | 60.27 | 1.05 | 6.66 | 218.11 | 2.87 | 42.0 |
| 3.166 | 23.28 | 60.27 | 1.05 | 6.64 | 215.46 | 2.87 | 42.0 |
| 3.223 | 23.28 | 60.27 | 1.0 | 6.62 | 207.05 | 2.96 | 42.0 |
| 3.277 | 23.28 | 60.28 | 1.0 | 6.62 | 205.65 | 2.96 | 42.01 |
| 3.325 | 23.28 | 60.28 | 1.0 | 6.62 | 202.67 | 2.96 | 42.01 |
| 3.381 | 23.29 | 60.29 | 1.0 | 6.62 | 193.57 | 2.96 | 42.01 |
| 3.446 | 23.29 | 60.29 | 1.0 | 6.63 | 190.23 | 2.96 | 42.01 |
| 3.506 | 23.29 | 60.29 | 1.02 | 6.65 | 183.35 | 3.06 | 42.01 |
| 3.557 | 23.29 | 60.3 | 1.02 | 6.66 | 177.85 | 3.06 | 42.01 |
| 3.627 | 23.29 | 60.3 | 1.02 | 6.65 | 176.0 | 3.06 | 42.01 |
| 3.699 | 23.29 | 60.3 | 1.02 | 6.65 | 176.31 | 3.06 | 42.01 |
| 3.757 | 23.29 | 60.3 | 1.02 | 6.66 | 172.58 | 3.11 | 42.01 |
| 3.801 | 23.29 | 60.3 | 1.02 | 6.67 | 167.73 | 3.11 | 42.01 |
| 3.851 | 23.29 | 60.3 | 1.02 | 6.69 | 158.64 | 3.11 | 42.01 |
| 3.9 | 23.29 | 60.3 | 1.02 | 6.69 | 157.36 | 3.11 | 42.01 |
| 3.928 | 23.3 | 60.31 | 1.02 | 6.7 | 159.43 | 3.11 | 42.02 |
| 3.97 | 23.3 | 60.31 | 1.0 | 6.7 | 156.85 | 3.22 | 42.02 |
| 4.048 | 23.3 | 60.31 | 1.0 | 6.69 | 147.09 | 3.22 | 42.02 |
| 4.161 | 23.3 | 60.32 | 1.0 | 6.68 | 135.79 | 3.22 | 42.02 |
| 4.308 | 23.3 | 60.32 | 1.0 | 6.67 | 125.12 | 3.22 | 42.02 |
| 4.41 | 23.3 | 60.32 | 1.05 | 6.67 | 123.81 | 3.3 | 42.02 |
| 4.438 | 23.3 | 60.32 | 1.05 | 6.66 | 123.46 | 3.3 | 42.02 |
| 4.468 | 23.3 | 60.32 | 1.05 | 6.66 | 117.84 | 3.3 | 42.02 |
| 4.541 | 23.3 | 60.32 | 1.05 | 6.66 | 108.86 | 3.3 | 42.02 |
| 4.634 | 23.3 | 60.32 | 1.0 | 6.68 | 101.47 | 3.32 | 42.02 |
| 4.715 | 23.3 | 60.34 | 1.0 | 6.69 | 95.49 | 3.32 | 42.03 |
| 4.827 | 23.3 | 60.38 | 1.0 | 6.69 | 88.56 | 3.32 | 42.06 |
| 4.949 | 23.31 | 60.45 | 1.0 | 6.69 | 83.25 | 3.32 | 42.11 |
| 5.068 | 23.34 | 60.57 | 1.0 | 6.68 | 77.66 | 3.32 | 42.18 |
| 5.176 | 23.37 | 60.6 | 1.0 | 6.66 | 73.03 | 3.09 | 42.18 |
| 5.255 | 23.38 | 60.64 | 1.0 | 6.65 | 70.35 | 3.09 | 42.2 |
| 5.302 | 23.36 | 60.74 | 1.0 | 6.65 | 69.28 | 3.09 | 42.29 |
| 5.339 | 23.35 | 60.79 | 1.0 | 6.65 | 67.92 | 3.09 | 42.34 |
| 5.382 | 23.35 | 60.76 | 0.95 | 6.65 | 66.07 | 1.54 | 42.32 |
| 5.443 | 23.35 | 60.77 | 0.95 | 6.63 | 63.46 | 1.54 | 42.33 |
| 5.52 | 23.35 | 60.85 | 0.95 | 6.57 | 61.58 | 1.54 | 42.39 |
| 5.589 | 23.35 | 60.86 | 0.95 | 6.45 | 60.55 | 1.54 | 42.4 |

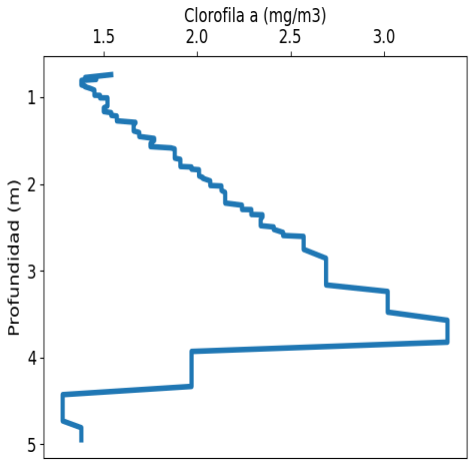
**Nombre: CTD E10 - Punto 018** **Fecha: 19/10/2022** **Hora: 11:10:01**

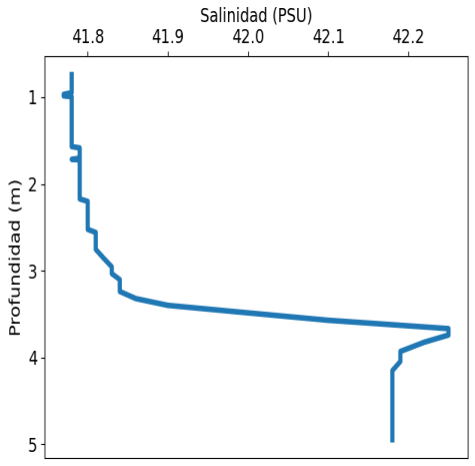


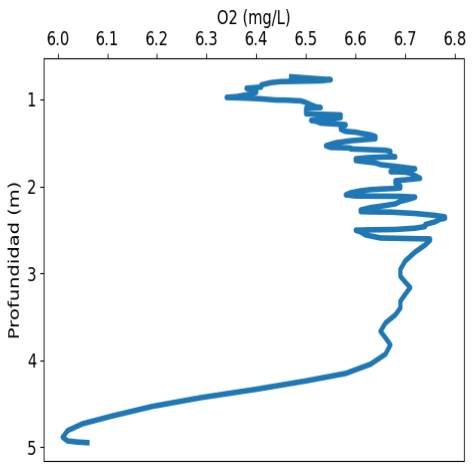



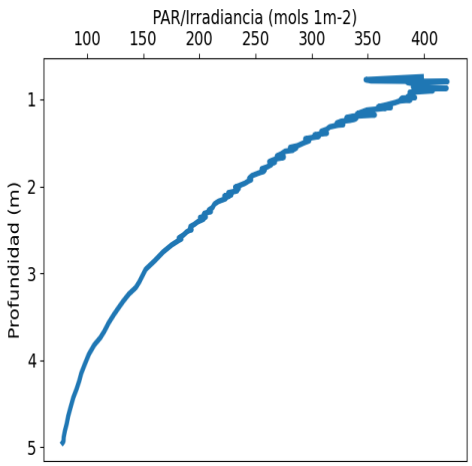




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 23.16 | 59.87 | 0.61 | 6.01 | 78.02 | 1.28 | 41.77 |
| **PROF (metros)** | 2.22 | 1.585 | 4.428 | 4.885 | 4.947 | 4.428 | 0.968 |
| **MÁXIMO** | 23.4 | 23.4 | 1.17 | 6.78 | 421.01 | 3.34 | 42.25 |
| **PROF (metros)** | 4.94 | 4.885 | 2.857 | 2.352 | 0.796 | 3.571 | 3.667 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E10 - Punto 018 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 23.24 | 59.93 | 0.98 | 6.41 | 391.04 | 1.44 | 41.78 |
| 1 - 2m | 23.19 | 59.89 | 1.04 | 6.6 | 301.07 | 1.75 | 41.78 |
| 2 - 3m | 23.16 | 59.87 | 1.05 | 6.69 | 204.99 | 2.3 | 41.8 |
| 3 - 4m | 23.22 | 60.2 | 1.1 | 6.68 | 125.99 | 2.96 | 42.01 |
| 4 - 5m | 23.39 | 60.63 | 0.65 | 6.22 | 85.16 | 1.53 | 42.18 |

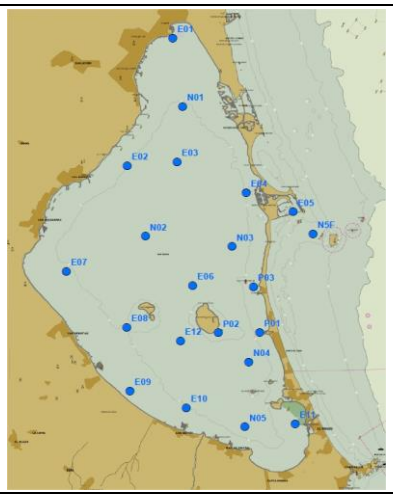
| OBSERVACIONES GENERALES |
|---|
| CLOROFILA elevada en la(s) columna(s) de agua 2 - 3m, 3 - 4m con los valores 2.3, 2.96 respectivamente |

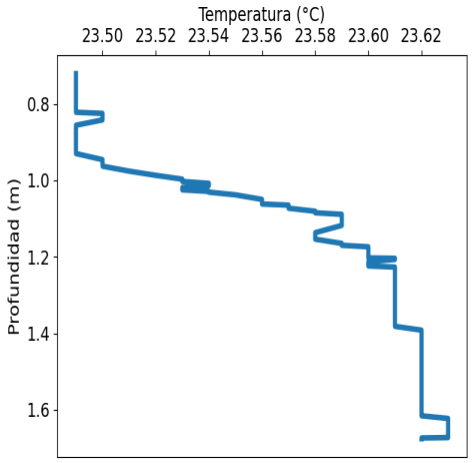
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.741 | 23.24 | 59.94 | 0.98 | 6.47 | 398.09 | 1.54 | 41.78 |
| 0.774 | 23.24 | 59.94 | 1.0 | 6.55 | 348.04 | 1.4 | 41.78 |
| 0.787 | 23.24 | 59.94 | 1.0 | 6.53 | 352.85 | 1.4 | 41.78 |
| 0.796 | 23.24 | 59.94 | 0.98 | 6.45 | 421.01 | 1.46 | 41.78 |
| 0.807 | 23.24 | 59.94 | 0.98 | 6.43 | 385.46 | 1.38 | 41.78 |
| 0.834 | 23.24 | 59.94 | 0.98 | 6.41 | 397.05 | 1.38 | 41.78 |
| 0.859 | 23.24 | 59.94 | 0.98 | 6.41 | 390.19 | 1.38 | 41.78 |
| 0.872 | 23.24 | 59.94 | 0.98 | 6.38 | 420.27 | 1.4 | 41.78 |
| 0.88 | 23.24 | 59.94 | 0.98 | 6.39 | 405.09 | 1.4 | 41.78 |
| 0.9 | 23.24 | 59.94 | 1.0 | 6.4 | 406.41 | 1.43 | 41.78 |
| 0.901 | 23.24 | 59.93 | 1.0 | 6.4 | 407.92 | 1.43 | 41.78 |
| 0.919 | 23.24 | 59.93 | 0.95 | 6.4 | 387.23 | 1.45 | 41.78 |
| 0.949 | 23.24 | 59.93 | 0.95 | 6.38 | 389.26 | 1.45 | 41.78 |
| 0.968 | 23.24 | 59.93 | 0.95 | 6.36 | 385.55 | 1.45 | 41.77 |
| 0.978 | 23.23 | 59.92 | 0.95 | 6.34 | 386.14 | 1.45 | 41.77 |
| 0.98 | 23.23 | 59.91 | 0.98 | 6.35 | 392.15 | 1.48 | 41.77 |
| 0.986 | 23.22 | 59.91 | 0.98 | 6.38 | 380.46 | 1.48 | 41.77 |
| 0.994 | 23.22 | 59.91 | 0.98 | 6.41 | 385.63 | 1.48 | 41.78 |
| 1.003 | 23.22 | 59.91 | 0.98 | 6.43 | 379.14 | 1.48 | 41.78 |
| 1.008 | 23.22 | 59.91 | 0.98 | 6.44 | 387.91 | 1.48 | 41.78 |
| 1.009 | 23.22 | 59.91 | 1.02 | 6.46 | 384.04 | 1.52 | 41.78 |
| 1.018 | 23.22 | 59.91 | 1.02 | 6.49 | 378.64 | 1.52 | 41.78 |
| 1.037 | 23.22 | 59.91 | 1.02 | 6.5 | 374.46 | 1.52 | 41.78 |
| 1.063 | 23.22 | 59.91 | 1.02 | 6.51 | 366.79 | 1.52 | 41.78 |
| 1.086 | 23.22 | 59.91 | 1.05 | 6.52 | 359.13 | 1.52 | 41.78 |
| 1.095 | 23.22 | 59.91 | 1.05 | 6.53 | 370.57 | 1.52 | 41.78 |
| 1.096 | 23.22 | 59.91 | 1.05 | 6.52 | 364.01 | 1.52 | 41.78 |
| 1.101 | 23.22 | 59.91 | 1.05 | 6.5 | 366.23 | 1.52 | 41.78 |
| 1.124 | 23.21 | 59.91 | 0.98 | 6.5 | 349.1 | 1.5 | 41.78 |
| 1.166 | 23.21 | 59.91 | 0.98 | 6.5 | 340.39 | 1.5 | 41.78 |
| 1.179 | 23.21 | 59.9 | 1.0 | 6.57 | 356.32 | 1.54 | 41.78 |
| 1.194 | 23.21 | 59.9 | 1.0 | 6.57 | 336.63 | 1.54 | 41.78 |
| 1.21 | 23.21 | 59.9 | 1.0 | 6.57 | 330.89 | 1.54 | 41.78 |
| 1.218 | 23.21 | 59.9 | 1.0 | 6.56 | 339.73 | 1.57 | 41.78 |
| 1.23 | 23.21 | 59.9 | 1.0 | 6.53 | 337.96 | 1.57 | 41.78 |
| 1.241 | 23.21 | 59.89 | 1.0 | 6.51 | 333.86 | 1.57 | 41.78 |

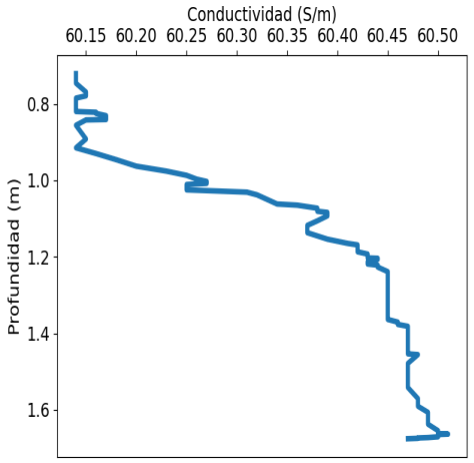
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.252 | 23.2 | 59.89 | 1.0 | 6.52 | 326.31 | 1.57 | 41.78 |
| 1.273 | 23.2 | 59.89 | 1.0 | 6.53 | 322.22 | 1.57 | 41.78 |
| 1.291 | 23.2 | 59.89 | 1.05 | 6.58 | 328.17 | 1.67 | 41.78 |
| 1.296 | 23.2 | 59.89 | 1.05 | 6.58 | 323.34 | 1.67 | 41.78 |
| 1.317 | 23.2 | 59.89 | 1.0 | 6.57 | 316.03 | 1.66 | 41.78 |
| 1.345 | 23.2 | 59.89 | 1.0 | 6.57 | 313.36 | 1.66 | 41.78 |
| 1.368 | 23.2 | 59.89 | 1.0 | 6.58 | 308.48 | 1.66 | 41.78 |
| 1.377 | 23.2 | 59.88 | 1.0 | 6.6 | 310.78 | 1.66 | 41.78 |
| 1.389 | 23.19 | 59.88 | 1.0 | 6.61 | 313.63 | 1.66 | 41.78 |
| 1.408 | 23.19 | 59.88 | 1.05 | 6.63 | 302.5 | 1.69 | 41.78 |
| 1.427 | 23.19 | 59.88 | 1.05 | 6.64 | 306.28 | 1.69 | 41.78 |
| 1.453 | 23.19 | 59.88 | 1.05 | 6.64 | 294.18 | 1.69 | 41.78 |
| 1.476 | 23.19 | 59.88 | 1.05 | 6.59 | 297.79 | 1.77 | 41.78 |
| 1.499 | 23.19 | 59.88 | 1.05 | 6.56 | 293.16 | 1.77 | 41.78 |
| 1.534 | 23.19 | 59.88 | 1.05 | 6.54 | 287.28 | 1.75 | 41.78 |
| 1.553 | 23.19 | 59.88 | 1.05 | 6.55 | 280.66 | 1.75 | 41.78 |
| 1.557 | 23.18 | 59.88 | 1.05 | 6.58 | 281.09 | 1.75 | 41.78 |
| 1.56 | 23.18 | 59.88 | 1.05 | 6.59 | 286.22 | 1.75 | 41.78 |
| 1.57 | 23.18 | 59.88 | 1.05 | 6.59 | 284.11 | 1.75 | 41.78 |
| 1.585 | 23.18 | 59.87 | 1.05 | 6.66 | 283.18 | 1.86 | 41.79 |
| 1.597 | 23.18 | 59.87 | 1.02 | 6.67 | 276.3 | 1.88 | 41.79 |
| 1.627 | 23.18 | 59.87 | 1.02 | 6.67 | 272.89 | 1.88 | 41.79 |
| 1.652 | 23.18 | 59.87 | 1.02 | 6.67 | 268.88 | 1.88 | 41.79 |
| 1.66 | 23.18 | 59.87 | 1.02 | 6.67 | 275.16 | 1.88 | 41.79 |
| 1.661 | 23.18 | 59.87 | 1.02 | 6.68 | 271.11 | 1.88 | 41.79 |
| 1.662 | 23.18 | 59.87 | 1.07 | 6.66 | 273.78 | 1.88 | 41.79 |
| 1.668 | 23.18 | 59.87 | 1.07 | 6.63 | 274.98 | 1.88 | 41.79 |
| 1.683 | 23.18 | 59.87 | 1.07 | 6.6 | 268.59 | 1.88 | 41.79 |
| 1.703 | 23.18 | 59.87 | 1.07 | 6.6 | 264.47 | 1.88 | 41.79 |
| 1.717 | 23.18 | 59.87 | 1.05 | 6.62 | 262.06 | 1.91 | 41.78 |
| 1.723 | 23.18 | 59.87 | 1.05 | 6.63 | 267.3 | 1.91 | 41.79 |
| 1.731 | 23.18 | 59.87 | 1.12 | 6.64 | 263.78 | 1.91 | 41.79 |
| 1.75 | 23.18 | 59.87 | 1.12 | 6.65 | 264.06 | 1.91 | 41.79 |
| 1.777 | 23.18 | 59.87 | 1.12 | 6.69 | 260.24 | 1.91 | 41.79 |
| 1.799 | 23.18 | 59.87 | 1.12 | 6.72 | 255.35 | 1.91 | 41.79 |
| 1.805 | 23.18 | 59.87 | 1.07 | 6.71 | 256.13 | 1.97 | 41.79 |
| 1.812 | 23.18 | 59.87 | 1.07 | 6.69 | 258.26 | 1.97 | 41.79 |
| 1.83 | 23.18 | 59.87 | 1.07 | 6.67 | 257.08 | 1.97 | 41.79 |
| 1.837 | 23.17 | 59.87 | 1.02 | 6.7 | 255.02 | 2.01 | 41.79 |
| 1.849 | 23.17 | 59.87 | 1.02 | 6.71 | 252.37 | 2.01 | 41.79 |
| 1.878 | 23.17 | 59.87 | 1.02 | 6.72 | 246.66 | 2.01 | 41.79 |
| 1.908 | 23.17 | 59.87 | 1.02 | 6.73 | 244.2 | 2.01 | 41.79 |
| 1.925 | 23.17 | 59.87 | 1.07 | 6.7 | 246.07 | 2.03 | 41.79 |
| 1.935 | 23.17 | 59.87 | 1.07 | 6.68 | 244.2 | 2.03 | 41.79 |
| 1.965 | 23.17 | 59.87 | 0.98 | 6.68 | 240.41 | 2.07 | 41.79 |
| 1.995 | 23.17 | 59.87 | 0.98 | 6.69 | 234.72 | 2.07 | 41.79 |
| 2.009 | 23.17 | 59.87 | 0.98 | 6.69 | 231.67 | 2.07 | 41.79 |
| 2.018 | 23.17 | 59.87 | 0.98 | 6.69 | 234.36 | 2.07 | 41.79 |
| 2.024 | 23.17 | 59.87 | 1.07 | 6.68 | 235.02 | 2.13 | 41.79 |
| 2.031 | 23.17 | 59.87 | 1.07 | 6.65 | 234.61 | 2.13 | 41.79 |
| 2.038 | 23.17 | 59.87 | 1.07 | 6.63 | 232.68 | 2.13 | 41.79 |
| 2.052 | 23.17 | 59.87 | 1.07 | 6.61 | 233.49 | 2.13 | 41.79 |
| 2.074 | 23.17 | 59.87 | 1.07 | 6.59 | 225.59 | 2.13 | 41.79 |
| 2.098 | 23.17 | 59.87 | 1.05 | 6.58 | 228.41 | 2.15 | 41.79 |
| 2.111 | 23.17 | 59.87 | 1.05 | 6.6 | 222.09 | 2.15 | 41.79 |
| 2.113 | 23.17 | 59.87 | 1.05 | 6.64 | 226.48 | 2.15 | 41.79 |
| 2.115 | 23.17 | 59.87 | 1.05 | 6.69 | 225.3 | 2.15 | 41.79 |
| 2.124 | 23.17 | 59.87 | 1.05 | 6.72 | 224.37 | 2.15 | 41.79 |

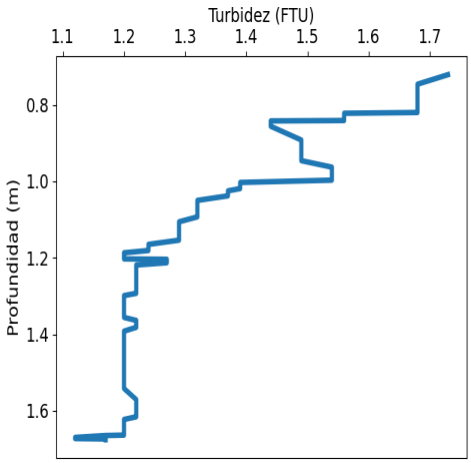
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2.143 | 23.17 | 59.87 | 1.05 | 6.71 | 223.1 | 2.15 | 41.79 |
| 2.173 | 23.17 | 59.87 | 1.05 | 6.69 | 216.88 | 2.15 | 41.79 |
| 2.201 | 23.17 | 59.87 | 1.05 | 6.68 | 213.55 | 2.15 | 41.8 |
| 2.22 | 23.16 | 59.87 | 1.05 | 6.66 | 212.57 | 2.15 | 41.8 |
| 2.245 | 23.16 | 59.87 | 1.07 | 6.63 | 211.6 | 2.24 | 41.8 |
| 2.272 | 23.16 | 59.87 | 1.07 | 6.61 | 208.27 | 2.24 | 41.8 |
| 2.29 | 23.16 | 59.87 | 1.07 | 6.61 | 210.18 | 2.24 | 41.8 |
| 2.294 | 23.16 | 59.87 | 1.07 | 6.63 | 209.36 | 2.24 | 41.8 |
| 2.296 | 23.16 | 59.87 | 1.05 | 6.67 | 208.18 | 2.29 | 41.8 |
| 2.312 | 23.16 | 59.87 | 1.05 | 6.72 | 204.18 | 2.29 | 41.8 |
| 2.334 | 23.16 | 59.87 | 1.05 | 6.76 | 203.43 | 2.29 | 41.8 |
| 2.352 | 23.16 | 59.87 | 1.05 | 6.78 | 205.65 | 2.29 | 41.8 |
| 2.356 | 23.16 | 59.87 | 1.0 | 6.78 | 203.69 | 2.35 | 41.8 |
| 2.358 | 23.16 | 59.87 | 1.0 | 6.78 | 200.39 | 2.35 | 41.8 |
| 2.363 | 23.16 | 59.87 | 1.0 | 6.78 | 202.32 | 2.35 | 41.8 |
| 2.367 | 23.16 | 59.87 | 1.0 | 6.78 | 204.14 | 2.35 | 41.8 |
| 2.378 | 23.16 | 59.87 | 1.0 | 6.77 | 203.47 | 2.35 | 41.8 |
| 2.408 | 23.16 | 59.87 | 1.1 | 6.76 | 198.35 | 2.34 | 41.8 |
| 2.439 | 23.16 | 59.87 | 1.1 | 6.74 | 195.14 | 2.34 | 41.8 |
| 2.462 | 23.16 | 59.87 | 1.1 | 6.74 | 191.85 | 2.34 | 41.8 |
| 2.481 | 23.16 | 59.87 | 1.1 | 6.72 | 191.56 | 2.34 | 41.8 |
| 2.496 | 23.16 | 59.87 | 1.02 | 6.68 | 192.94 | 2.41 | 41.8 |
| 2.501 | 23.16 | 59.87 | 1.02 | 6.62 | 192.86 | 2.41 | 41.8 |
| 2.505 | 23.16 | 59.87 | 1.02 | 6.6 | 191.06 | 2.41 | 41.8 |
| 2.524 | 23.16 | 59.87 | 1.02 | 6.61 | 188.58 | 2.41 | 41.8 |
| 2.559 | 23.16 | 59.87 | 1.02 | 6.62 | 185.69 | 2.46 | 41.81 |
| 2.594 | 23.16 | 59.87 | 1.02 | 6.65 | 181.45 | 2.46 | 41.81 |
| 2.605 | 23.16 | 59.87 | 1.0 | 6.75 | 183.87 | 2.57 | 41.81 |
| 2.62 | 23.16 | 59.87 | 1.0 | 6.75 | 181.69 | 2.57 | 41.81 |
| 2.674 | 23.16 | 59.88 | 1.0 | 6.74 | 175.16 | 2.57 | 41.81 |
| 2.754 | 23.16 | 59.88 | 1.0 | 6.72 | 167.62 | 2.57 | 41.81 |
| 2.857 | 23.16 | 59.89 | 1.17 | 6.7 | 159.95 | 2.69 | 41.82 |
| 2.955 | 23.16 | 59.9 | 1.17 | 6.69 | 151.97 | 2.69 | 41.83 |
| 3.033 | 23.16 | 59.91 | 1.17 | 6.69 | 148.89 | 2.69 | 41.83 |
| 3.102 | 23.16 | 59.91 | 1.17 | 6.7 | 146.2 | 2.69 | 41.84 |
| 3.164 | 23.16 | 59.92 | 1.17 | 6.71 | 143.17 | 2.69 | 41.84 |
| 3.239 | 23.16 | 59.92 | 1.17 | 6.7 | 137.01 | 3.02 | 41.84 |
| 3.321 | 23.16 | 59.95 | 1.17 | 6.69 | 132.0 | 3.02 | 41.86 |
| 3.399 | 23.17 | 60.0 | 1.17 | 6.69 | 127.7 | 3.02 | 41.9 |
| 3.477 | 23.18 | 60.13 | 1.17 | 6.68 | 123.55 | 3.02 | 41.99 |
| 3.571 | 23.21 | 60.3 | 1.07 | 6.66 | 118.98 | 3.34 | 42.1 |
| 3.667 | 23.24 | 60.54 | 1.07 | 6.65 | 115.13 | 3.34 | 42.25 |
| 3.741 | 23.3 | 60.6 | 1.07 | 6.66 | 111.57 | 3.34 | 42.25 |
| 3.823 | 23.34 | 60.62 | 1.07 | 6.67 | 106.22 | 3.34 | 42.22 |
| 3.93 | 23.37 | 60.61 | 0.73 | 6.66 | 101.42 | 1.97 | 42.19 |
| 4.045 | 23.38 | 60.63 | 0.73 | 6.63 | 97.76 | 1.97 | 42.19 |
| 4.151 | 23.39 | 60.62 | 0.73 | 6.58 | 94.56 | 1.97 | 42.18 |
| 4.237 | 23.39 | 60.62 | 0.73 | 6.5 | 92.8 | 1.97 | 42.18 |
| 4.333 | 23.39 | 60.62 | 0.73 | 6.4 | 90.35 | 1.97 | 42.18 |
| 4.428 | 23.39 | 60.63 | 0.61 | 6.29 | 87.52 | 1.28 | 42.18 |
| 4.531 | 23.39 | 60.63 | 0.61 | 6.19 | 85.28 | 1.28 | 42.18 |
| 4.64 | 23.39 | 60.63 | 0.61 | 6.11 | 82.99 | 1.28 | 42.18 |
| 4.73 | 23.39 | 60.63 | 0.61 | 6.05 | 81.63 | 1.28 | 42.18 |
| 4.809 | 23.39 | 60.63 | 0.61 | 6.02 | 80.06 | 1.38 | 42.18 |
| 4.885 | 23.39 | 60.64 | 0.61 | 6.01 | 78.94 | 1.38 | 42.18 |
| 4.928 | 23.39 | 60.64 | 0.61 | 6.02 | 78.77 | 1.38 | 42.18 |
| 4.94 | 23.4 | 60.63 | 0.61 | 6.04 | 78.42 | 1.38 | 42.18 |
| 4.947 | 23.4 | 60.64 | 0.61 | 6.06 | 78.02 | 1.38 | 42.18 |

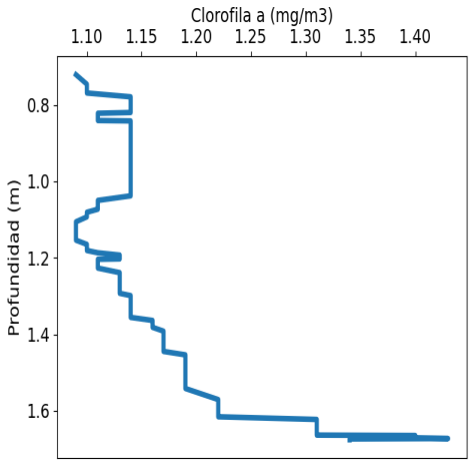
**Nombre: CTD E09 - Punto 019** **Fecha: 19/10/2022** **Hora: 11:10:22**

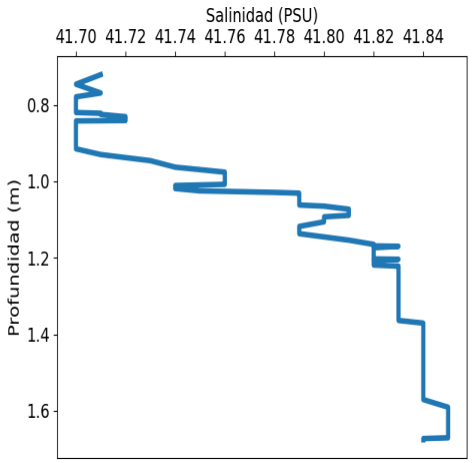


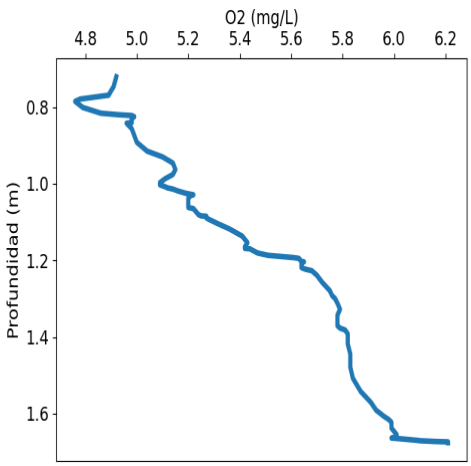



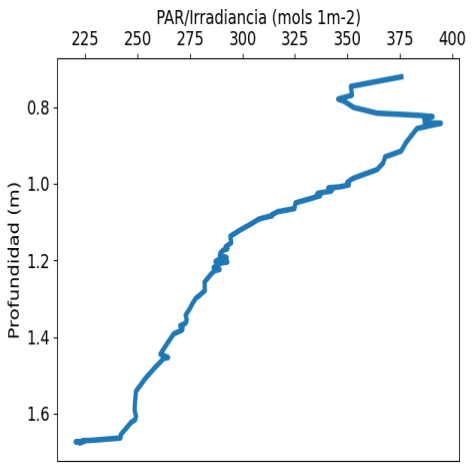




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 23.49 | 60.14 | 1.12 | 4.76 | 220.45 | 1.09 | 41.7 |
| **PROF (metros)** | 0.721 | 0.721 | 1.67 | 0.785 | 1.674 | 0.721 | 0.746 |
| **MÁXIMO** | 23.63 | 23.63 | 1.73 | 6.21 | 394.55 | 1.43 | 41.85 |
| **PROF (metros)** | 1.623 | 1.664 | 0.721 | 1.674 | 0.842 | 1.673 | 1.591 |

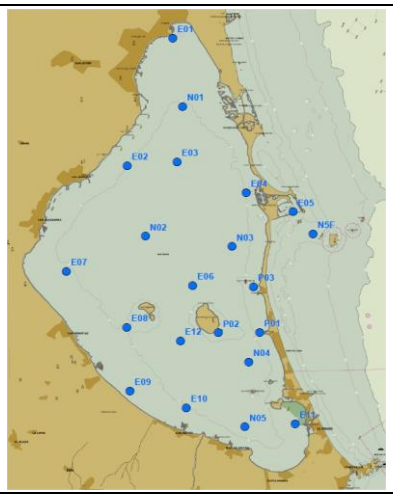
| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E09 - Punto 019 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 23.5 | 60.17 | 1.58 | 4.98 | 368.58 | 1.13 | 41.72 |
| 1 - 2m | 23.6 | 60.42 | 1.24 | 5.64 | 282.75 | 1.17 | 41.82 |

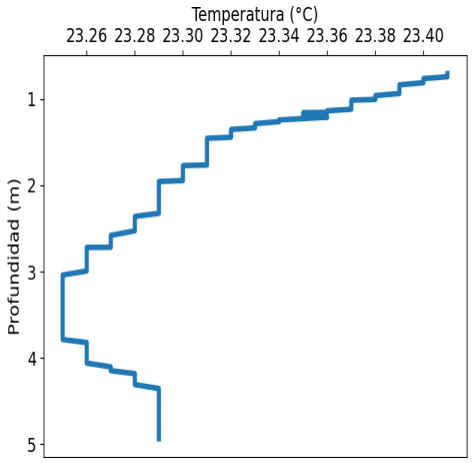
| OBSERVACIONES GENERALES |
|---|
| |

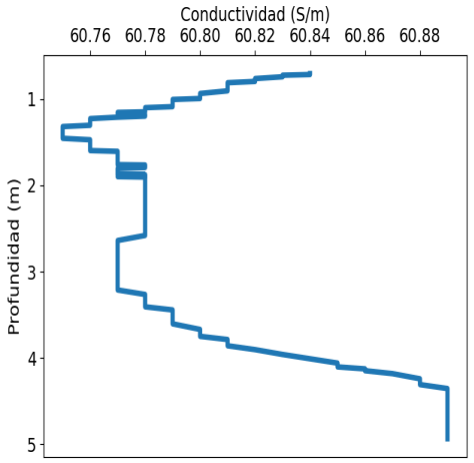
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.721 | 23.49 | 60.14 | 1.73 | 4.92 | 375.69 | 1.09 | 41.71 |
| 0.746 | 23.49 | 60.14 | 1.68 | 4.91 | 351.62 | 1.1 | 41.7 |
| 0.769 | 23.49 | 60.15 | 1.68 | 4.89 | 352.16 | 1.1 | 41.71 |
| 0.779 | 23.49 | 60.15 | 1.68 | 4.78 | 345.55 | 1.14 | 41.7 |
| 0.785 | 23.49 | 60.14 | 1.68 | 4.76 | 348.49 | 1.14 | 41.7 |
| 0.801 | 23.49 | 60.14 | 1.68 | 4.79 | 353.0 | 1.14 | 41.7 |
| 0.816 | 23.49 | 60.14 | 1.68 | 4.86 | 364.17 | 1.14 | 41.7 |
| 0.82 | 23.49 | 60.14 | 1.68 | 4.93 | 378.89 | 1.14 | 41.7 |
| 0.822 | 23.49 | 60.16 | 1.56 | 4.98 | 385.05 | 1.11 | 41.71 |
| 0.825 | 23.5 | 60.16 | 1.56 | 4.99 | 390.62 | 1.11 | 41.71 |
| 0.831 | 23.5 | 60.17 | 1.56 | 4.98 | 386.64 | 1.11 | 41.72 |
| 0.841 | 23.5 | 60.17 | 1.56 | 4.98 | 386.81 | 1.11 | 41.72 |
| 0.842 | 23.5 | 60.15 | 1.44 | 4.96 | 394.55 | 1.14 | 41.7 |
| 0.856 | 23.49 | 60.14 | 1.44 | 4.98 | 383.12 | 1.14 | 41.7 |
| 0.892 | 23.49 | 60.15 | 1.49 | 5.0 | 377.98 | 1.14 | 41.7 |
| 0.915 | 23.49 | 60.14 | 1.49 | 5.04 | 375.52 | 1.14 | 41.7 |
| 0.93 | 23.49 | 60.16 | 1.49 | 5.1 | 367.91 | 1.14 | 41.71 |
| 0.946 | 23.5 | 60.18 | 1.49 | 5.14 | 367.03 | 1.14 | 41.73 |
| 0.963 | 23.5 | 60.2 | 1.54 | 5.15 | 364.17 | 1.14 | 41.74 |
| 0.976 | 23.51 | 60.23 | 1.54 | 5.14 | 357.64 | 1.14 | 41.76 |
| 0.987 | 23.52 | 60.25 | 1.54 | 5.11 | 352.31 | 1.14 | 41.76 |
| 0.997 | 23.53 | 60.26 | 1.54 | 5.09 | 349.86 | 1.14 | 41.76 |
| 1.003 | 23.53 | 60.27 | 1.39 | 5.09 | 350.7 | 1.14 | 41.76 |
| 1.008 | 23.54 | 60.27 | 1.39 | 5.11 | 346.6 | 1.14 | 41.76 |
| 1.011 | 23.54 | 60.25 | 1.39 | 5.12 | 340.84 | 1.14 | 41.74 |
| 1.014 | 23.54 | 60.25 | 1.39 | 5.14 | 342.92 | 1.14 | 41.74 |
| 1.019 | 23.53 | 60.25 | 1.39 | 5.16 | 342.25 | 1.14 | 41.74 |
| 1.025 | 23.53 | 60.25 | 1.37 | 5.19 | 335.9 | 1.14 | 41.75 |
| 1.029 | 23.54 | 60.29 | 1.37 | 5.22 | 335.39 | 1.14 | 41.78 |
| 1.031 | 23.54 | 60.31 | 1.37 | 5.21 | 337.07 | 1.14 | 41.79 |
| 1.038 | 23.55 | 60.32 | 1.37 | 5.2 | 332.99 | 1.14 | 41.79 |
| 1.05 | 23.56 | 60.33 | 1.32 | 5.2 | 325.25 | 1.11 | 41.79 |
| 1.062 | 23.56 | 60.34 | 1.32 | 5.2 | 324.82 | 1.11 | 41.79 |
| 1.065 | 23.57 | 60.36 | 1.32 | 5.22 | 324.75 | 1.11 | 41.8 |
| 1.073 | 23.57 | 60.38 | 1.32 | 5.23 | 316.79 | 1.11 | 41.81 |
| 1.081 | 23.58 | 60.38 | 1.32 | 5.24 | 313.97 | 1.1 | 41.81 |
| 1.084 | 23.58 | 60.39 | 1.32 | 5.25 | 314.11 | 1.1 | 41.81 |
| 1.085 | 23.58 | 60.39 | 1.32 | 5.27 | 313.09 | 1.1 | 41.81 |
| 1.089 | 23.59 | 60.39 | 1.32 | 5.27 | 309.9 | 1.1 | 41.81 |
| 1.093 | 23.59 | 60.39 | 1.32 | 5.28 | 307.61 | 1.1 | 41.8 |

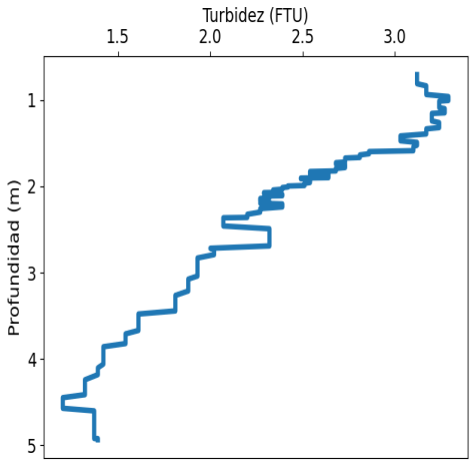
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.106 | 23.59 | 60.38 | 1.29 | 5.32 | 303.75 | 1.09 | 41.8 |
| 1.118 | 23.59 | 60.37 | 1.29 | 5.36 | 299.81 | 1.09 | 41.79 |
| 1.137 | 23.58 | 60.37 | 1.29 | 5.41 | 294.18 | 1.09 | 41.79 |
| 1.154 | 23.58 | 60.39 | 1.29 | 5.43 | 294.63 | 1.09 | 41.81 |
| 1.165 | 23.59 | 60.41 | 1.24 | 5.42 | 291.88 | 1.1 | 41.82 |
| 1.169 | 23.59 | 60.42 | 1.24 | 5.42 | 292.84 | 1.1 | 41.82 |
| 1.17 | 23.59 | 60.42 | 1.24 | 5.44 | 292.78 | 1.1 | 41.83 |
| 1.174 | 23.6 | 60.42 | 1.24 | 5.45 | 290.68 | 1.1 | 41.82 |
| 1.181 | 23.6 | 60.42 | 1.24 | 5.47 | 289.42 | 1.1 | 41.82 |
| 1.187 | 23.6 | 60.42 | 1.2 | 5.51 | 289.16 | 1.11 | 41.82 |
| 1.193 | 23.6 | 60.43 | 1.2 | 5.61 | 292.46 | 1.13 | 41.82 |
| 1.195 | 23.6 | 60.43 | 1.2 | 5.63 | 289.61 | 1.13 | 41.82 |
| 1.203 | 23.6 | 60.43 | 1.2 | 5.64 | 287.09 | 1.13 | 41.82 |
| 1.204 | 23.61 | 60.44 | 1.27 | 5.65 | 292.78 | 1.11 | 41.83 |
| 1.207 | 23.61 | 60.44 | 1.27 | 5.64 | 289.92 | 1.11 | 41.82 |
| 1.213 | 23.6 | 60.43 | 1.27 | 5.64 | 287.66 | 1.11 | 41.82 |
| 1.219 | 23.6 | 60.43 | 1.22 | 5.64 | 286.22 | 1.11 | 41.82 |
| 1.222 | 23.6 | 60.44 | 1.22 | 5.65 | 287.41 | 1.11 | 41.83 |
| 1.224 | 23.6 | 60.44 | 1.22 | 5.66 | 289.1 | 1.11 | 41.83 |
| 1.227 | 23.61 | 60.44 | 1.22 | 5.68 | 286.72 | 1.11 | 41.83 |
| 1.239 | 23.61 | 60.45 | 1.22 | 5.7 | 284.54 | 1.13 | 41.83 |
| 1.257 | 23.61 | 60.45 | 1.22 | 5.72 | 281.89 | 1.13 | 41.83 |
| 1.279 | 23.61 | 60.45 | 1.22 | 5.75 | 282.07 | 1.13 | 41.83 |
| 1.293 | 23.61 | 60.45 | 1.22 | 5.76 | 279.2 | 1.13 | 41.83 |
| 1.299 | 23.61 | 60.45 | 1.2 | 5.77 | 277.75 | 1.14 | 41.83 |
| 1.312 | 23.61 | 60.45 | 1.2 | 5.78 | 276.24 | 1.14 | 41.83 |
| 1.328 | 23.61 | 60.45 | 1.2 | 5.79 | 274.68 | 1.14 | 41.83 |
| 1.343 | 23.61 | 60.45 | 1.2 | 5.78 | 272.89 | 1.14 | 41.83 |
| 1.356 | 23.61 | 60.45 | 1.2 | 5.78 | 273.43 | 1.14 | 41.83 |
| 1.364 | 23.61 | 60.45 | 1.22 | 5.78 | 272.89 | 1.16 | 41.83 |
| 1.371 | 23.61 | 60.46 | 1.22 | 5.78 | 270.23 | 1.16 | 41.84 |
| 1.377 | 23.61 | 60.46 | 1.22 | 5.79 | 271.47 | 1.16 | 41.84 |
| 1.382 | 23.61 | 60.47 | 1.22 | 5.81 | 271.23 | 1.16 | 41.84 |
| 1.392 | 23.62 | 60.47 | 1.2 | 5.82 | 267.19 | 1.17 | 41.84 |
| 1.418 | 23.62 | 60.47 | 1.2 | 5.82 | 264.01 | 1.17 | 41.84 |
| 1.445 | 23.62 | 60.47 | 1.2 | 5.83 | 260.86 | 1.17 | 41.84 |
| 1.454 | 23.62 | 60.47 | 1.2 | 5.83 | 264.58 | 1.19 | 41.84 |
| 1.456 | 23.62 | 60.48 | 1.2 | 5.83 | 262.51 | 1.19 | 41.84 |
| 1.479 | 23.62 | 60.47 | 1.2 | 5.83 | 258.43 | 1.19 | 41.84 |
| 1.508 | 23.62 | 60.47 | 1.2 | 5.84 | 253.75 | 1.19 | 41.84 |
| 1.542 | 23.62 | 60.47 | 1.2 | 5.87 | 249.2 | 1.19 | 41.84 |
| 1.571 | 23.62 | 60.48 | 1.22 | 5.91 | 248.77 | 1.22 | 41.84 |
| 1.591 | 23.62 | 60.48 | 1.22 | 5.93 | 248.55 | 1.22 | 41.85 |
| 1.607 | 23.62 | 60.49 | 1.22 | 5.96 | 249.26 | 1.22 | 41.85 |
| 1.616 | 23.62 | 60.49 | 1.22 | 5.98 | 248.88 | 1.22 | 41.85 |
| 1.623 | 23.63 | 60.49 | 1.2 | 5.99 | 246.93 | 1.31 | 41.85 |
| 1.638 | 23.63 | 60.49 | 1.2 | 5.99 | 244.63 | 1.31 | 41.85 |
| 1.655 | 23.63 | 60.5 | 1.2 | 6.01 | 241.98 | 1.31 | 41.85 |
| 1.663 | 23.63 | 60.5 | 1.2 | 6.01 | 241.93 | 1.31 | 41.85 |
| 1.664 | 23.63 | 60.51 | 1.2 | 5.99 | 241.61 | 1.31 | 41.85 |
| 1.665 | 23.63 | 60.5 | 1.17 | 6.01 | 239.41 | 1.4 | 41.85 |
| 1.67 | 23.63 | 60.5 | 1.12 | 6.09 | 227.87 | 1.4 | 41.85 |
| 1.671 | 23.63 | 60.5 | 1.12 | 6.1 | 223.59 | 1.4 | 41.85 |
| 1.673 | 23.63 | 60.49 | 1.12 | 6.16 | 224.32 | 1.43 | 41.84 |
| 1.674 | 23.62 | 60.48 | 1.17 | 6.21 | 220.45 | 1.34 | 41.84 |
| 1.675 | 23.62 | 60.48 | 1.17 | 6.21 | 223.44 | 1.34 | 41.84 |
| 1.676 | 23.62 | 60.47 | 1.17 | 6.21 | 222.76 | 1.34 | 41.84 |

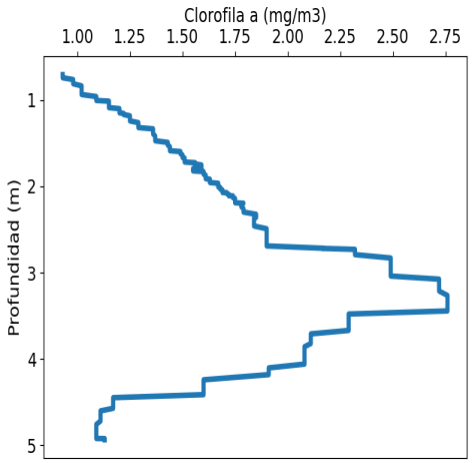
**Nombre: CTD E08 - Punto 020** **Fecha: 19/10/2022** **Hora: 11:10:32**

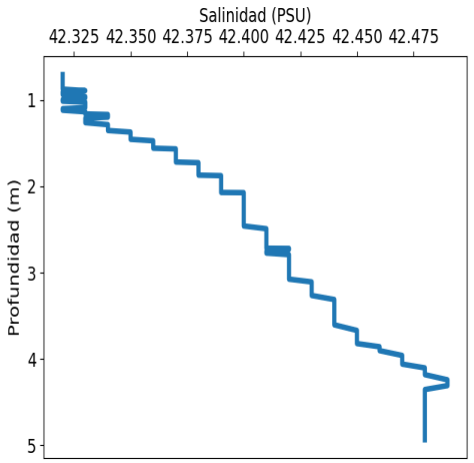


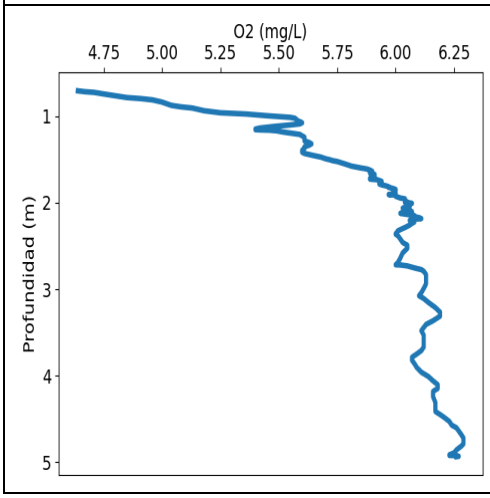



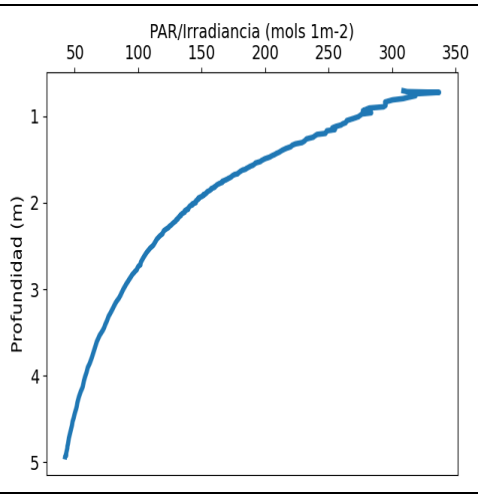




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 23.25 | 60.75 | 1.2 | 4.64 | 42.47 | 0.93 | 42.32 |
| **PROF (metros)** | 3.039 | 1.319 | 4.448 | 0.706 | 4.935 | 0.706 | 0.706 |
| **MÁXIMO** | 23.41 | 23.41 | 3.29 | 6.29 | 337.07 | 2.76 | 42.49 |
| **PROF (metros)** | 0.706 | 4.354 | 0.96 | 4.719 | 0.724 | 3.264 | 4.241 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E08 - Punto 020 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 23.4 | 60.82 | 3.17 | 4.99 | 299.38 | 1.0 | 42.32 |
| 1 - 2m | 23.32 | 60.77 | 2.88 | 5.8 | 192.44 | 1.45 | 42.36 |
| 2 - 3m | 23.28 | 60.78 | 2.26 | 6.06 | 125.11 | 1.85 | 42.4 |
| 3 - 4m | 23.25 | 60.79 | 1.68 | 6.12 | 71.96 | 2.43 | 42.44 |
| 4 - 5m | 23.29 | 60.88 | 1.35 | 6.22 | 48.46 | 1.36 | 42.48 |

| OBSERVACIONES GENERALES |
|---|
| CLOROFILA elevada en la(s) columna(s) de agua 3 - 4m con los valores 2.43 respectivamente |

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.706 | 23.41 | 60.84 | 3.12 | 4.64 | 308.89 | 0.93 | 42.32 |
| 0.716 | 23.41 | 60.84 | 3.12 | 4.67 | 311.86 | 0.93 | 42.32 |
| 0.724 | 23.41 | 60.83 | 3.12 | 4.71 | 337.07 | 0.93 | 42.32 |
| 0.742 | 23.41 | 60.83 | 3.12 | 4.75 | 316.65 | 0.93 | 42.32 |
| 0.763 | 23.4 | 60.82 | 3.12 | 4.8 | 318.45 | 0.98 | 42.32 |
| 0.784 | 23.4 | 60.82 | 3.12 | 4.85 | 312.0 | 0.98 | 42.32 |
| 0.796 | 23.4 | 60.82 | 3.12 | 4.91 | 308.75 | 0.98 | 42.32 |
| 0.811 | 23.4 | 60.81 | 3.12 | 4.96 | 300.4 | 0.98 | 42.32 |
| 0.836 | 23.39 | 60.81 | 3.17 | 5.0 | 294.44 | 1.02 | 42.32 |
| 0.874 | 23.39 | 60.81 | 3.17 | 5.04 | 294.95 | 1.02 | 42.32 |
| 0.891 | 23.39 | 60.81 | 3.17 | 5.08 | 293.35 | 1.02 | 42.33 |
| 0.905 | 23.39 | 60.81 | 3.17 | 5.13 | 282.07 | 1.02 | 42.32 |
| 0.936 | 23.39 | 60.8 | 3.17 | 5.18 | 276.96 | 1.02 | 42.32 |
| 0.96 | 23.38 | 60.8 | 3.29 | 5.25 | 283.61 | 1.09 | 42.33 |
| 0.974 | 23.38 | 60.8 | 3.29 | 5.36 | 276.24 | 1.09 | 42.33 |
| 0.994 | 23.38 | 60.8 | 3.29 | 5.45 | 274.44 | 1.09 | 42.32 |
| 1.005 | 23.38 | 60.79 | 3.29 | 5.51 | 273.54 | 1.09 | 42.32 |
| 1.013 | 23.37 | 60.79 | 3.24 | 5.55 | 272.06 | 1.15 | 42.32 |
| 1.024 | 23.37 | 60.79 | 3.24 | 5.57 | 269.88 | 1.15 | 42.33 |
| 1.05 | 23.37 | 60.79 | 3.24 | 5.58 | 264.35 | 1.15 | 42.33 |
| 1.075 | 23.37 | 60.79 | 3.24 | 5.6 | 263.43 | 1.15 | 42.33 |
| 1.088 | 23.37 | 60.79 | 3.24 | 5.59 | 260.98 | 1.15 | 42.33 |
| 1.1 | 23.37 | 60.78 | 3.27 | 5.55 | 260.01 | 1.2 | 42.32 |
| 1.118 | 23.37 | 60.78 | 3.27 | 5.48 | 255.63 | 1.2 | 42.32 |
| 1.136 | 23.36 | 60.78 | 3.27 | 5.42 | 252.81 | 1.2 | 42.33 |
| 1.148 | 23.36 | 60.78 | 3.27 | 5.4 | 255.08 | 1.2 | 42.33 |
| 1.155 | 23.36 | 60.77 | 3.2 | 5.4 | 254.96 | 1.22 | 42.33 |
| 1.158 | 23.35 | 60.77 | 3.2 | 5.42 | 253.03 | 1.22 | 42.33 |
| 1.161 | 23.35 | 60.77 | 3.2 | 5.46 | 252.04 | 1.22 | 42.33 |
| 1.168 | 23.35 | 60.77 | 3.2 | 5.49 | 248.5 | 1.22 | 42.34 |
| 1.183 | 23.35 | 60.78 | 3.2 | 5.52 | 248.17 | 1.25 | 42.34 |
| 1.198 | 23.35 | 60.78 | 3.2 | 5.56 | 247.52 | 1.25 | 42.34 |
| 1.21 | 23.36 | 60.77 | 3.2 | 5.59 | 240.93 | 1.25 | 42.33 |
| 1.227 | 23.35 | 60.76 | 3.2 | 5.6 | 239.15 | 1.25 | 42.33 |
| 1.242 | 23.34 | 60.76 | 3.2 | 5.61 | 237.91 | 1.25 | 42.33 |
| 1.262 | 23.34 | 60.76 | 3.24 | 5.61 | 232.58 | 1.29 | 42.33 |

| 1.285 | 23.33 | 60.76 | 3.24 | 5.61 | 231.11 | 1.29 | 42.34 |
|---|---|---|---|---|---|---|---|
| 1.304 | 23.33 | 60.76 | 3.24 | 5.63 | 229.11 | 1.29 | 42.34 |
| 1.319 | 23.33 | 60.75 | 3.24 | 5.64 | 223.93 | 1.29 | 42.34 |
| 1.334 | 23.33 | 60.75 | 3.17 | 5.63 | 221.46 | 1.36 | 42.34 |
| 1.353 | 23.32 | 60.75 | 3.17 | 5.61 | 220.11 | 1.36 | 42.34 |
| 1.371 | 23.32 | 60.75 | 3.17 | 5.61 | 216.59 | 1.36 | 42.35 |
| 1.393 | 23.32 | 60.75 | 3.17 | 5.6 | 213.46 | 1.36 | 42.35 |
| 1.416 | 23.32 | 60.75 | 3.03 | 5.6 | 211.01 | 1.37 | 42.35 |
| 1.43 | 23.32 | 60.75 | 3.03 | 5.61 | 208.9 | 1.37 | 42.35 |
| 1.443 | 23.32 | 60.75 | 3.03 | 5.63 | 207.45 | 1.37 | 42.35 |
| 1.455 | 23.31 | 60.75 | 3.03 | 5.65 | 205.56 | 1.37 | 42.35 |
| 1.472 | 23.31 | 60.76 | 3.03 | 5.68 | 203.6 | 1.37 | 42.36 |
| 1.491 | 23.31 | 60.76 | 3.12 | 5.7 | 199.83 | 1.43 | 42.36 |
| 1.504 | 23.31 | 60.76 | 3.12 | 5.72 | 198.18 | 1.43 | 42.36 |
| 1.513 | 23.31 | 60.76 | 3.12 | 5.73 | 197.06 | 1.43 | 42.36 |
| 1.523 | 23.31 | 60.76 | 3.12 | 5.75 | 196.37 | 1.43 | 42.36 |
| 1.54 | 23.31 | 60.76 | 3.1 | 5.77 | 192.48 | 1.44 | 42.36 |
| 1.558 | 23.31 | 60.76 | 3.1 | 5.79 | 191.18 | 1.44 | 42.36 |
| 1.566 | 23.31 | 60.76 | 3.1 | 5.8 | 190.39 | 1.44 | 42.37 |
| 1.576 | 23.31 | 60.76 | 3.1 | 5.81 | 188.62 | 1.44 | 42.37 |
| 1.587 | 23.31 | 60.76 | 3.1 | 5.83 | 187.31 | 1.44 | 42.37 |
| 1.597 | 23.31 | 60.76 | 2.86 | 5.85 | 185.97 | 1.49 | 42.37 |
| 1.606 | 23.31 | 60.77 | 2.86 | 5.87 | 184.96 | 1.49 | 42.37 |
| 1.612 | 23.31 | 60.77 | 2.86 | 5.88 | 184.64 | 1.49 | 42.37 |
| 1.622 | 23.31 | 60.77 | 2.86 | 5.89 | 182.2 | 1.49 | 42.37 |
| 1.636 | 23.31 | 60.77 | 2.81 | 5.9 | 180.62 | 1.5 | 42.37 |
| 1.648 | 23.31 | 60.77 | 2.81 | 5.89 | 179.48 | 1.5 | 42.37 |
| 1.658 | 23.31 | 60.77 | 2.81 | 5.89 | 178.86 | 1.5 | 42.37 |
| 1.665 | 23.31 | 60.77 | 2.81 | 5.9 | 178.35 | 1.5 | 42.37 |
| 1.672 | 23.31 | 60.77 | 2.73 | 5.91 | 176.19 | 1.51 | 42.37 |
| 1.684 | 23.31 | 60.77 | 2.73 | 5.91 | 174.59 | 1.51 | 42.37 |
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| 1.718 | 23.31 | 60.77 | 2.73 | 5.89 | 171.12 | 1.51 | 42.37 |
| 1.726 | 23.31 | 60.77 | 2.68 | 5.89 | 170.31 | 1.56 | 42.38 |
| 1.729 | 23.31 | 60.77 | 2.68 | 5.9 | 169.68 | 1.56 | 42.38 |
| 1.733 | 23.31 | 60.77 | 2.68 | 5.92 | 169.42 | 1.56 | 42.38 |
| 1.742 | 23.31 | 60.77 | 2.68 | 5.93 | 167.84 | 1.56 | 42.38 |
| 1.752 | 23.31 | 60.77 | 2.73 | 5.94 | 166.28 | 1.59 | 42.38 |
| 1.76 | 23.31 | 60.77 | 2.73 | 5.94 | 166.13 | 1.59 | 42.38 |
| 1.764 | 23.31 | 60.78 | 2.73 | 5.93 | 166.28 | 1.59 | 42.38 |
| 1.771 | 23.3 | 60.78 | 2.73 | 5.93 | 165.01 | 1.59 | 42.38 |
| 1.782 | 23.3 | 60.78 | 2.73 | 5.93 | 163.33 | 1.59 | 42.38 |
| 1.793 | 23.3 | 60.78 | 2.68 | 5.94 | 162.06 | 1.55 | 42.38 |
| 1.805 | 23.3 | 60.77 | 2.68 | 5.96 | 161.18 | 1.55 | 42.38 |
| 1.815 | 23.3 | 60.77 | 2.68 | 5.97 | 160.13 | 1.55 | 42.38 |
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| 1.828 | 23.3 | 60.77 | 2.54 | 5.98 | 158.98 | 1.6 | 42.38 |
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| 1.87 | 23.3 | 60.77 | 2.64 | 5.99 | 154.68 | 1.61 | 42.38 |
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| 1.904 | 23.3 | 60.78 | 2.49 | 5.97 | 151.64 | 1.61 | 42.39 |
| 1.906 | 23.3 | 60.78 | 2.49 | 5.97 | 151.64 | 1.61 | 42.39 |

| 1.907 | 23.3 | 60.78 | 2.49 | 5.99 | 152.14 | 1.61 | 42.39 |
|---|---|---|---|---|---|---|---|
| 1.911 | 23.3 | 60.78 | 2.49 | 6.0 | 151.35 | 1.61 | 42.39 |
| 1.917 | 23.3 | 60.78 | 2.54 | 6.0 | 151.21 | 1.63 | 42.39 |
| 1.925 | 23.3 | 60.78 | 2.54 | 6.0 | 150.49 | 1.63 | 42.39 |
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| 1.945 | 23.3 | 60.78 | 2.54 | 6.02 | 147.51 | 1.63 | 42.39 |
| 1.955 | 23.29 | 60.78 | 2.54 | 6.04 | 147.73 | 1.63 | 42.39 |
| 1.965 | 23.29 | 60.78 | 2.51 | 6.04 | 146.77 | 1.67 | 42.39 |
| 1.976 | 23.29 | 60.78 | 2.51 | 6.04 | 145.62 | 1.67 | 42.39 |
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| 1.996 | 23.29 | 60.78 | 2.42 | 6.04 | 144.86 | 1.67 | 42.39 |
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| 2.02 | 23.29 | 60.78 | 2.39 | 6.05 | 143.02 | 1.68 | 42.39 |
| 2.024 | 23.29 | 60.78 | 2.39 | 6.06 | 142.83 | 1.68 | 42.39 |
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| 2.042 | 23.29 | 60.78 | 2.34 | 6.06 | 140.48 | 1.69 | 42.39 |
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| 2.062 | 23.29 | 60.78 | 2.34 | 6.03 | 139.39 | 1.69 | 42.39 |
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| 2.073 | 23.29 | 60.78 | 2.29 | 6.05 | 139.2 | 1.71 | 42.4 |
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| 2.115 | 23.29 | 60.78 | 2.32 | 6.03 | 135.88 | 1.74 | 42.4 |
| 2.122 | 23.29 | 60.78 | 2.32 | 6.02 | 134.94 | 1.74 | 42.4 |
| 2.131 | 23.29 | 60.78 | 2.32 | 6.04 | 134.26 | 1.74 | 42.4 |
| 2.141 | 23.29 | 60.78 | 2.27 | 6.06 | 133.45 | 1.75 | 42.4 |
| 2.148 | 23.29 | 60.78 | 2.27 | 6.08 | 133.62 | 1.75 | 42.4 |
| 2.153 | 23.29 | 60.78 | 2.27 | 6.08 | 133.01 | 1.75 | 42.4 |
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| 2.172 | 23.29 | 60.78 | 2.27 | 6.1 | 131.66 | 1.75 | 42.4 |
| 2.183 | 23.29 | 60.78 | 2.32 | 6.11 | 131.2 | 1.75 | 42.4 |
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| 2.187 | 23.29 | 60.78 | 2.32 | 6.09 | 131.2 | 1.75 | 42.4 |
| 2.19 | 23.29 | 60.78 | 2.32 | 6.08 | 130.69 | 1.75 | 42.4 |
| 2.195 | 23.29 | 60.78 | 2.27 | 6.08 | 130.09 | 1.79 | 42.4 |
| 2.196 | 23.29 | 60.78 | 2.27 | 6.07 | 130.15 | 1.79 | 42.4 |
| 2.204 | 23.29 | 60.78 | 2.39 | 6.06 | 129.89 | 1.78 | 42.4 |
| 2.214 | 23.29 | 60.78 | 2.39 | 6.08 | 129.41 | 1.78 | 42.4 |
| 2.223 | 23.29 | 60.78 | 2.39 | 6.08 | 128.48 | 1.78 | 42.4 |
| 2.238 | 23.29 | 60.78 | 2.39 | 6.07 | 127.26 | 1.78 | 42.4 |
| 2.258 | 23.29 | 60.78 | 2.27 | 6.06 | 125.96 | 1.79 | 42.4 |
| 2.272 | 23.29 | 60.78 | 2.27 | 6.05 | 124.6 | 1.79 | 42.4 |
| 2.286 | 23.29 | 60.78 | 2.27 | 6.04 | 123.98 | 1.79 | 42.4 |
| 2.298 | 23.29 | 60.78 | 2.27 | 6.03 | 122.63 | 1.79 | 42.4 |
| 2.324 | 23.29 | 60.78 | 2.2 | 6.01 | 120.18 | 1.85 | 42.4 |
| 2.36 | 23.28 | 60.78 | 2.2 | 6.0 | 119.11 | 1.85 | 42.4 |

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| 2.364 | 23.28 | 60.78 | 2.07 | 6.0 | 118.64 | 1.84 | 42.4 |
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| 2.419 | 23.28 | 60.78 | 2.07 | 6.02 | 114.8 | 1.84 | 42.4 |
| 2.459 | 23.28 | 60.78 | 2.07 | 6.03 | 113.19 | 1.84 | 42.4 |
| 2.491 | 23.28 | 60.78 | 2.32 | 6.05 | 111.92 | 1.9 | 42.41 |
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| 2.639 | 23.27 | 60.77 | 2.32 | 6.02 | 103.91 | 1.9 | 42.41 |
| 2.69 | 23.27 | 60.77 | 2.32 | 6.01 | 102.04 | 1.9 | 42.41 |
| 2.717 | 23.27 | 60.77 | 2.0 | 6.0 | 101.82 | 2.17 | 42.41 |
| 2.719 | 23.26 | 60.77 | 2.0 | 6.02 | 101.65 | 2.17 | 42.42 |
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| 2.753 | 23.26 | 60.77 | 2.02 | 6.08 | 99.46 | 2.32 | 42.41 |
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| 2.791 | 23.26 | 60.77 | 2.02 | 6.12 | 97.72 | 2.32 | 42.42 |
| 2.83 | 23.26 | 60.77 | 1.93 | 6.13 | 95.4 | 2.49 | 42.42 |
| 2.885 | 23.26 | 60.77 | 1.93 | 6.13 | 92.98 | 2.49 | 42.42 |
| 2.938 | 23.26 | 60.77 | 1.93 | 6.13 | 90.7 | 2.49 | 42.42 |
| 2.992 | 23.26 | 60.77 | 1.93 | 6.12 | 88.6 | 2.49 | 42.42 |
| 3.039 | 23.25 | 60.77 | 1.93 | 6.11 | 87.01 | 2.49 | 42.42 |
| 3.075 | 23.25 | 60.77 | 1.88 | 6.1 | 85.9 | 2.72 | 42.42 |
| 3.107 | 23.25 | 60.77 | 1.88 | 6.12 | 84.62 | 2.72 | 42.43 |
| 3.152 | 23.25 | 60.77 | 1.88 | 6.14 | 82.43 | 2.72 | 42.43 |
| 3.212 | 23.25 | 60.77 | 1.88 | 6.17 | 80.34 | 2.72 | 42.43 |
| 3.264 | 23.25 | 60.78 | 1.81 | 6.19 | 78.58 | 2.76 | 42.43 |
| 3.311 | 23.25 | 60.78 | 1.81 | 6.19 | 76.77 | 2.76 | 42.44 |
| 3.364 | 23.25 | 60.78 | 1.81 | 6.16 | 75.41 | 2.76 | 42.44 |
| 3.407 | 23.25 | 60.78 | 1.81 | 6.13 | 74.12 | 2.76 | 42.44 |
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| 3.604 | 23.25 | 60.79 | 1.61 | 6.12 | 67.47 | 2.29 | 42.44 |
| 3.669 | 23.25 | 60.8 | 1.61 | 6.12 | 66.1 | 2.29 | 42.45 |
| 3.709 | 23.25 | 60.8 | 1.54 | 6.11 | 65.27 | 2.11 | 42.45 |
| 3.749 | 23.25 | 60.8 | 1.54 | 6.09 | 64.41 | 2.11 | 42.45 |
| 3.786 | 23.25 | 60.81 | 1.54 | 6.07 | 63.59 | 2.11 | 42.45 |
| 3.821 | 23.26 | 60.81 | 1.54 | 6.07 | 62.74 | 2.11 | 42.45 |
| 3.858 | 23.26 | 60.81 | 1.42 | 6.08 | 61.83 | 2.08 | 42.46 |
| 3.903 | 23.26 | 60.82 | 1.42 | 6.09 | 60.35 | 2.08 | 42.46 |
| 3.959 | 23.26 | 60.83 | 1.42 | 6.11 | 59.37 | 2.08 | 42.47 |
| 4.009 | 23.26 | 60.84 | 1.42 | 6.14 | 58.24 | 2.08 | 42.47 |
| 4.059 | 23.26 | 60.85 | 1.42 | 6.16 | 57.29 | 2.08 | 42.47 |
| 4.103 | 23.27 | 60.85 | 1.39 | 6.18 | 56.64 | 1.91 | 42.48 |
| 4.126 | 23.27 | 60.86 | 1.39 | 6.18 | 56.35 | 1.91 | 42.48 |
| 4.147 | 23.27 | 60.86 | 1.39 | 6.18 | 55.82 | 1.91 | 42.48 |
| 4.181 | 23.28 | 60.87 | 1.39 | 6.16 | 54.8 | 1.91 | 42.48 |
| 4.241 | 23.28 | 60.88 | 1.32 | 6.16 | 53.39 | 1.6 | 42.49 |
| 4.308 | 23.28 | 60.88 | 1.32 | 6.17 | 52.16 | 1.6 | 42.49 |
| 4.354 | 23.29 | 60.89 | 1.32 | 6.17 | 51.62 | 1.6 | 42.48 |
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| 4.413 | 23.29 | 60.89 | 1.32 | 6.17 | 50.5 | 1.6 | 42.48 |
| 4.448 | 23.29 | 60.89 | 1.2 | 6.19 | 49.84 | 1.17 | 42.48 |
| 4.486 | 23.29 | 60.89 | 1.2 | 6.21 | 49.24 | 1.17 | 42.48 |
| 4.529 | 23.29 | 60.89 | 1.2 | 6.23 | 48.34 | 1.17 | 42.48 |
| 4.571 | 23.29 | 60.89 | 1.2 | 6.24 | 47.89 | 1.17 | 42.48 |
| 4.601 | 23.29 | 60.89 | 1.37 | 6.26 | 47.41 | 1.11 | 42.48 |
| 4.638 | 23.29 | 60.89 | 1.37 | 6.27 | 46.85 | 1.11 | 42.48 |
| 4.677 | 23.29 | 60.89 | 1.37 | 6.28 | 46.23 | 1.11 | 42.48 |

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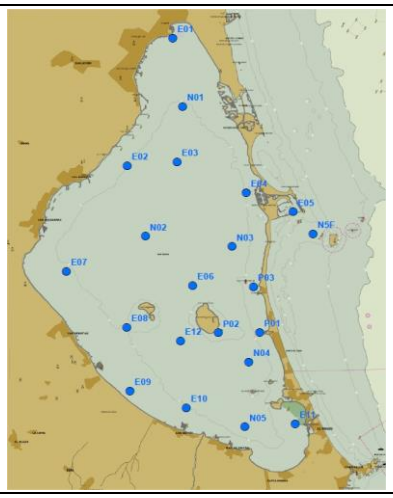
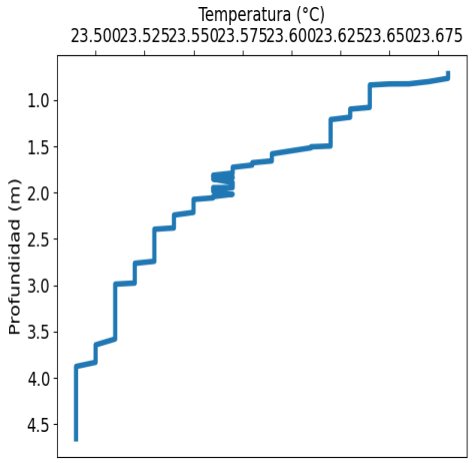
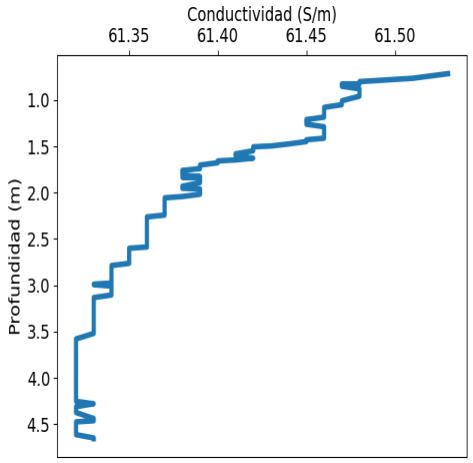
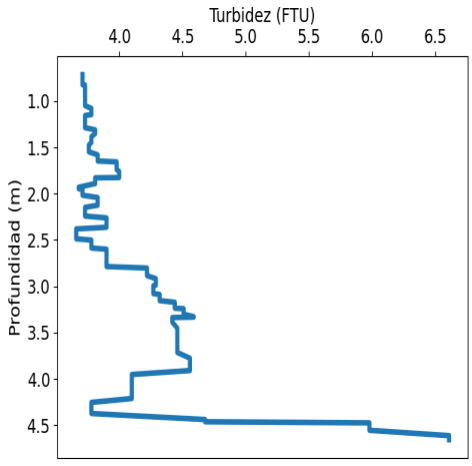
|---|---|---|---|---|---|---|---|
| 4.719 | 23.29 | 60.89 | 1.37 | 6.29 | 45.47 | 1.11 | 42.48 |
| 4.757 | 23.29 | 60.89 | 1.37 | 6.29 | 45.08 | 1.09 | 42.48 |
| 4.788 | 23.29 | 60.89 | 1.37 | 6.29 | 44.72 | 1.09 | 42.48 |
| 4.816 | 23.29 | 60.89 | 1.37 | 6.28 | 44.28 | 1.09 | 42.48 |
| 4.836 | 23.29 | 60.89 | 1.37 | 6.27 | 44.21 | 1.09 | 42.48 |
| 4.858 | 23.29 | 60.89 | 1.37 | 6.26 | 43.86 | 1.09 | 42.48 |
| 4.891 | 23.29 | 60.89 | 1.37 | 6.25 | 43.38 | 1.09 | 42.48 |
| 4.914 | 23.29 | 60.89 | 1.37 | 6.23 | 43.36 | 1.09 | 42.48 |
| 4.921 | 23.29 | 60.89 | 1.37 | 6.23 | 43.3 | 1.09 | 42.48 |
| 4.922 | 23.29 | 60.89 | 1.39 | 6.25 | 43.07 | 1.13 | 42.48 |
| 4.925 | 23.29 | 60.89 | 1.39 | 6.26 | 42.8 | 1.13 | 42.48 |
| 4.931 | 23.29 | 60.89 | 1.39 | 6.27 | 42.51 | 1.13 | 42.48 |
| 4.935 | 23.29 | 60.89 | 1.39 | 6.26 | 42.47 | 1.13 | 42.48 |

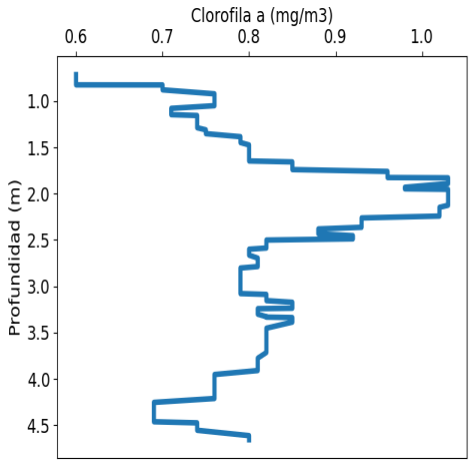
**Nombre: CTD E07 - Punto 021** **Fecha: 19/10/2022** **Hora: 12:10:51**

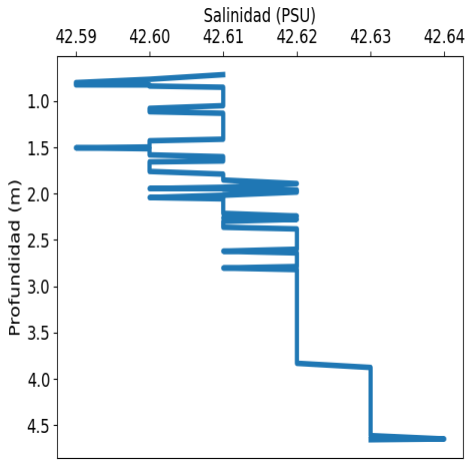


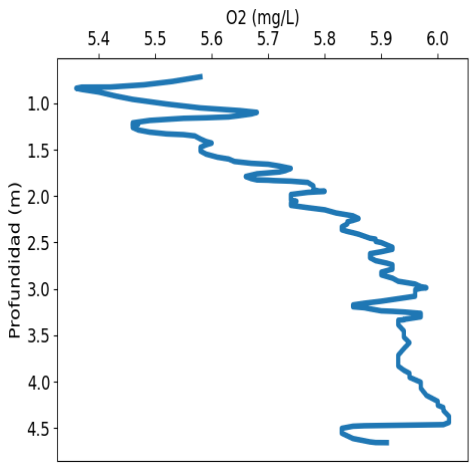



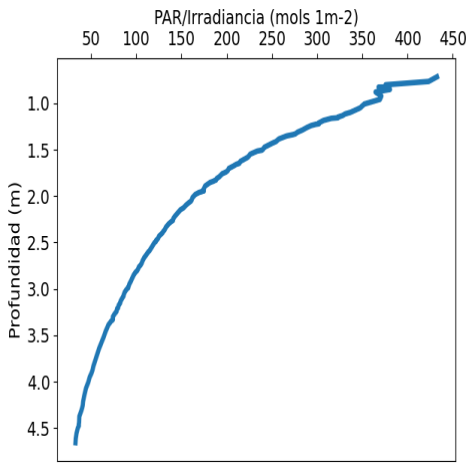



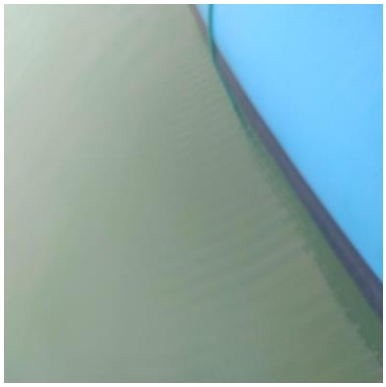



| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 23.49 | 61.32 | 3.66 | 5.36 | 32.76 | 0.61 | 42.59 |
| **PROF (metros)** | 3.877 | 3.58 | 2.381 | 0.838 | 4.657 | 0.715 | 0.801 |
| **MÁXIMO** | 23.68 | 23.68 | 6.61 | 6.02 | 432.72 | 1.03 | 42.64 |
| **PROF (metros)** | 0.715 | 0.715 | 4.613 | 4.374 | 0.715 | 1.829 | 4.649 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E07 - Punto 021 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 23.65 | 61.48 | 3.72 | 5.44 | 383.6 | 0.68 | 42.6 |
| 1 - 2m | 23.6 | 61.42 | 3.8 | 5.63 | 243.33 | 0.84 | 42.61 |
| 2 - 3m | 23.53 | 61.36 | 3.89 | 5.87 | 122.08 | 0.88 | 42.62 |
| 3 - 4m | 23.51 | 61.33 | 4.43 | 5.93 | 72.31 | 0.82 | 42.62 |
| 4 - 5m | 23.49 | 61.32 | 5.07 | 5.94 | 37.7 | 0.74 | 42.63 |

| OBSERVACIONES GENERALES |
|---|
| |

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.715 | 23.68 | 61.53 | 3.71 | 5.58 | 432.72 | 0.6 | 42.61 |
| 0.765 | 23.68 | 61.51 | 3.71 | 5.53 | 423.49 | 0.6 | 42.6 |
| 0.801 | 23.67 | 61.48 | 3.71 | 5.48 | 375.77 | 0.6 | 42.59 |
| 0.825 | 23.66 | 61.48 | 3.71 | 5.42 | 379.47 | 0.6 | 42.59 |
| 0.826 | 23.65 | 61.47 | 3.73 | 5.37 | 367.99 | 0.7 | 42.6 |
| 0.838 | 23.64 | 61.47 | 3.73 | 5.36 | 370.32 | 0.7 | 42.6 |
| 0.851 | 23.64 | 61.47 | 3.73 | 5.37 | 380.79 | 0.7 | 42.61 |
| 0.879 | 23.64 | 61.48 | 3.73 | 5.4 | 364.64 | 0.7 | 42.61 |
| 0.922 | 23.64 | 61.48 | 3.73 | 5.43 | 371.21 | 0.76 | 42.61 |
| 0.958 | 23.64 | 61.48 | 3.73 | 5.46 | 369.6 | 0.76 | 42.61 |
| 1.008 | 23.64 | 61.47 | 3.73 | 5.52 | 352.31 | 0.76 | 42.61 |
| 1.05 | 23.64 | 61.47 | 3.73 | 5.58 | 347.66 | 0.76 | 42.61 |
| 1.079 | 23.64 | 61.46 | 3.78 | 5.65 | 341.28 | 0.71 | 42.6 |
| 1.098 | 23.63 | 61.46 | 3.78 | 5.68 | 336.93 | 0.71 | 42.6 |
| 1.115 | 23.63 | 61.46 | 3.78 | 5.67 | 331.04 | 0.71 | 42.6 |
| 1.132 | 23.63 | 61.46 | 3.78 | 5.65 | 328.31 | 0.71 | 42.61 |
| 1.147 | 23.63 | 61.46 | 3.78 | 5.63 | 323.69 | 0.71 | 42.61 |
| 1.156 | 23.63 | 61.46 | 3.73 | 5.59 | 323.2 | 0.74 | 42.61 |
| 1.162 | 23.63 | 61.46 | 3.73 | 5.55 | 315.89 | 0.74 | 42.61 |
| 1.185 | 23.63 | 61.46 | 3.73 | 5.49 | 307.14 | 0.74 | 42.61 |
| 1.211 | 23.62 | 61.45 | 3.73 | 5.46 | 302.1 | 0.74 | 42.61 |
| 1.221 | 23.62 | 61.45 | 3.73 | 5.46 | 302.1 | 0.74 | 42.61 |
| 1.226 | 23.62 | 61.45 | 3.73 | 5.47 | 298.83 | 0.74 | 42.61 |
| 1.24 | 23.62 | 61.45 | 3.73 | 5.46 | 293.48 | 0.74 | 42.61 |
| 1.261 | 23.62 | 61.45 | 3.73 | 5.46 | 288.79 | 0.74 | 42.61 |
| 1.288 | 23.62 | 61.46 | 3.73 | 5.47 | 283.86 | 0.74 | 42.61 |
| 1.311 | 23.62 | 61.46 | 3.81 | 5.49 | 278.53 | 0.75 | 42.61 |
| 1.33 | 23.62 | 61.46 | 3.81 | 5.52 | 275.94 | 0.75 | 42.61 |
| 1.338 | 23.62 | 61.46 | 3.81 | 5.55 | 273.13 | 0.75 | 42.61 |
| 1.352 | 23.62 | 61.46 | 3.81 | 5.57 | 266.37 | 0.75 | 42.61 |
| 1.385 | 23.62 | 61.46 | 3.78 | 5.58 | 257.7 | 0.79 | 42.61 |
| 1.412 | 23.62 | 61.46 | 3.78 | 5.59 | 254.63 | 0.79 | 42.61 |
| 1.429 | 23.62 | 61.45 | 3.78 | 5.6 | 250.73 | 0.79 | 42.6 |
| 1.448 | 23.62 | 61.45 | 3.78 | 5.59 | 246.82 | 0.79 | 42.6 |
| 1.474 | 23.62 | 61.44 | 3.76 | 5.58 | 241.67 | 0.8 | 42.6 |
| 1.496 | 23.62 | 61.43 | 3.76 | 5.58 | 240.2 | 0.8 | 42.6 |
| 1.505 | 23.61 | 61.42 | 3.76 | 5.58 | 239.05 | 0.8 | 42.59 |

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|---|---|---|---|---|---|---|---|
| 1.515 | 23.61 | 61.42 | 3.76 | 5.58 | 233.85 | 0.8 | 42.6 |
| 1.548 | 23.6 | 61.42 | 3.76 | 5.59 | 226.18 | 0.8 | 42.6 |
| 1.581 | 23.59 | 61.41 | 3.83 | 5.61 | 223.44 | 0.8 | 42.6 |
| 1.601 | 23.59 | 61.41 | 3.83 | 5.63 | 219.87 | 0.8 | 42.61 |
| 1.627 | 23.59 | 61.42 | 3.83 | 5.64 | 215.04 | 0.8 | 42.61 |
| 1.647 | 23.59 | 61.41 | 3.83 | 5.67 | 214.01 | 0.8 | 42.61 |
| 1.657 | 23.59 | 61.4 | 3.98 | 5.7 | 210.73 | 0.85 | 42.6 |
| 1.677 | 23.58 | 61.4 | 3.98 | 5.72 | 207.32 | 0.85 | 42.6 |
| 1.702 | 23.58 | 61.39 | 3.98 | 5.74 | 202.41 | 0.85 | 42.6 |
| 1.726 | 23.57 | 61.39 | 3.98 | 5.73 | 201.13 | 0.85 | 42.6 |
| 1.74 | 23.57 | 61.39 | 3.98 | 5.72 | 199.39 | 0.85 | 42.6 |
| 1.76 | 23.57 | 61.38 | 4.0 | 5.68 | 194.93 | 0.96 | 42.6 |
| 1.789 | 23.57 | 61.38 | 4.0 | 5.66 | 192.19 | 0.96 | 42.61 |
| 1.812 | 23.56 | 61.38 | 4.0 | 5.67 | 188.87 | 0.96 | 42.61 |
| 1.826 | 23.56 | 61.39 | 4.0 | 5.68 | 188.29 | 0.96 | 42.61 |
| 1.829 | 23.56 | 61.39 | 3.81 | 5.7 | 187.84 | 1.03 | 42.61 |
| 1.833 | 23.57 | 61.38 | 3.81 | 5.71 | 186.41 | 1.03 | 42.61 |
| 1.839 | 23.57 | 61.39 | 3.81 | 5.74 | 185.56 | 1.03 | 42.61 |
| 1.853 | 23.56 | 61.39 | 3.81 | 5.77 | 181.69 | 1.03 | 42.61 |
| 1.891 | 23.57 | 61.39 | 3.81 | 5.78 | 176.19 | 1.03 | 42.62 |
| 1.931 | 23.57 | 61.38 | 3.68 | 5.78 | 174.25 | 0.98 | 42.61 |
| 1.945 | 23.57 | 61.38 | 3.68 | 5.79 | 174.82 | 0.98 | 42.6 |
| 1.946 | 23.56 | 61.38 | 3.68 | 5.79 | 174.25 | 0.98 | 42.61 |
| 1.948 | 23.56 | 61.38 | 3.68 | 5.8 | 172.92 | 0.98 | 42.61 |
| 1.953 | 23.56 | 61.38 | 3.71 | 5.79 | 172.21 | 1.03 | 42.61 |
| 1.96 | 23.56 | 61.39 | 3.71 | 5.77 | 169.6 | 1.03 | 42.62 |
| 1.983 | 23.56 | 61.39 | 3.71 | 5.74 | 165.23 | 1.03 | 42.62 |
| 2.017 | 23.57 | 61.39 | 3.71 | 5.74 | 162.13 | 1.03 | 42.61 |
| 2.042 | 23.56 | 61.38 | 3.83 | 5.74 | 161.28 | 1.03 | 42.6 |
| 2.056 | 23.56 | 61.37 | 3.83 | 5.75 | 160.3 | 1.03 | 42.61 |
| 2.073 | 23.55 | 61.37 | 3.83 | 5.74 | 157.91 | 1.03 | 42.61 |
| 2.1 | 23.55 | 61.37 | 3.83 | 5.74 | 154.75 | 1.03 | 42.61 |
| 2.125 | 23.55 | 61.37 | 3.83 | 5.77 | 152.47 | 1.03 | 42.61 |
| 2.148 | 23.55 | 61.37 | 3.73 | 5.8 | 148.83 | 1.02 | 42.61 |
| 2.182 | 23.55 | 61.37 | 3.73 | 5.82 | 145.78 | 1.02 | 42.61 |
| 2.213 | 23.55 | 61.37 | 3.73 | 5.85 | 143.08 | 1.02 | 42.61 |
| 2.242 | 23.54 | 61.37 | 3.73 | 5.86 | 140.94 | 1.02 | 42.62 |
| 2.262 | 23.54 | 61.36 | 3.9 | 5.85 | 140.64 | 0.93 | 42.61 |
| 2.277 | 23.54 | 61.36 | 3.9 | 5.84 | 138.42 | 0.93 | 42.62 |
| 2.299 | 23.54 | 61.36 | 3.9 | 5.84 | 135.91 | 0.93 | 42.61 |
| 2.332 | 23.54 | 61.36 | 3.9 | 5.83 | 133.04 | 0.93 | 42.61 |
| 2.363 | 23.54 | 61.36 | 3.9 | 5.83 | 131.4 | 0.93 | 42.61 |
| 2.381 | 23.54 | 61.36 | 3.66 | 5.84 | 129.89 | 0.88 | 42.62 |
| 2.395 | 23.53 | 61.36 | 3.66 | 5.85 | 129.1 | 0.88 | 42.62 |
| 2.411 | 23.53 | 61.36 | 3.66 | 5.86 | 127.43 | 0.88 | 42.62 |
| 2.433 | 23.53 | 61.36 | 3.66 | 5.87 | 125.09 | 0.88 | 42.62 |
| 2.454 | 23.53 | 61.36 | 3.66 | 5.88 | 124.19 | 0.92 | 42.62 |
| 2.464 | 23.53 | 61.36 | 3.66 | 5.89 | 123.38 | 0.92 | 42.62 |
| 2.476 | 23.53 | 61.36 | 3.66 | 5.89 | 122.1 | 0.92 | 42.62 |
| 2.488 | 23.53 | 61.36 | 3.66 | 5.89 | 121.81 | 0.92 | 42.62 |
| 2.501 | 23.53 | 61.36 | 3.78 | 5.9 | 120.2 | 0.82 | 42.62 |
| 2.527 | 23.53 | 61.36 | 3.78 | 5.91 | 118.54 | 0.82 | 42.62 |
| 2.552 | 23.53 | 61.36 | 3.78 | 5.92 | 117.0 | 0.82 | 42.62 |
| 2.573 | 23.53 | 61.36 | 3.78 | 5.92 | 115.53 | 0.82 | 42.62 |
| 2.587 | 23.53 | 61.36 | 3.78 | 5.91 | 114.78 | 0.82 | 42.62 |
| 2.6 | 23.53 | 61.35 | 3.9 | 5.9 | 113.46 | 0.8 | 42.62 |
| 2.621 | 23.53 | 61.35 | 3.9 | 5.88 | 111.96 | 0.8 | 42.61 |
| 2.64 | 23.53 | 61.35 | 3.9 | 5.88 | 110.63 | 0.8 | 42.62 |

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|---|---|---|---|---|---|---|---|
| 2.664 | 23.53 | 61.35 | 3.9 | 5.88 | 108.77 | 0.8 | 42.62 |
| 2.696 | 23.53 | 61.35 | 3.9 | 5.89 | 107.01 | 0.81 | 42.62 |
| 2.723 | 23.53 | 61.35 | 3.9 | 5.91 | 106.01 | 0.81 | 42.62 |
| 2.741 | 23.53 | 61.35 | 3.9 | 5.92 | 104.97 | 0.81 | 42.62 |
| 2.763 | 23.52 | 61.35 | 3.9 | 5.92 | 102.96 | 0.81 | 42.62 |
| 2.787 | 23.52 | 61.34 | 3.9 | 5.92 | 101.96 | 0.81 | 42.62 |
| 2.803 | 23.52 | 61.34 | 4.22 | 5.91 | 100.96 | 0.79 | 42.61 |
| 2.82 | 23.52 | 61.34 | 4.22 | 5.9 | 99.28 | 0.79 | 42.62 |
| 2.849 | 23.52 | 61.34 | 4.22 | 5.9 | 97.21 | 0.79 | 42.62 |
| 2.885 | 23.52 | 61.34 | 4.22 | 5.92 | 95.57 | 0.79 | 42.62 |
| 2.918 | 23.52 | 61.34 | 4.29 | 5.93 | 93.96 | 0.79 | 42.62 |
| 2.948 | 23.52 | 61.34 | 4.29 | 5.96 | 92.38 | 0.79 | 42.62 |
| 2.976 | 23.52 | 61.34 | 4.29 | 5.97 | 91.42 | 0.79 | 42.62 |
| 2.988 | 23.51 | 61.33 | 4.29 | 5.98 | 91.16 | 0.79 | 42.62 |
| 2.994 | 23.51 | 61.33 | 4.27 | 5.97 | 90.29 | 0.79 | 42.62 |
| 3.009 | 23.51 | 61.34 | 4.27 | 5.96 | 89.06 | 0.79 | 42.62 |
| 3.034 | 23.51 | 61.34 | 4.27 | 5.96 | 87.26 | 0.79 | 42.62 |
| 3.063 | 23.51 | 61.34 | 4.27 | 5.96 | 86.16 | 0.79 | 42.62 |
| 3.079 | 23.51 | 61.34 | 4.27 | 5.96 | 85.92 | 0.79 | 42.62 |
| 3.088 | 23.51 | 61.34 | 4.32 | 5.95 | 85.24 | 0.82 | 42.62 |
| 3.105 | 23.51 | 61.34 | 4.32 | 5.93 | 84.16 | 0.82 | 42.62 |
| 3.133 | 23.51 | 61.33 | 4.32 | 5.9 | 82.63 | 0.82 | 42.62 |
| 3.155 | 23.51 | 61.33 | 4.32 | 5.87 | 82.18 | 0.82 | 42.62 |
| 3.173 | 23.51 | 61.33 | 4.44 | 5.85 | 80.64 | 0.85 | 42.62 |
| 3.193 | 23.51 | 61.33 | 4.44 | 5.85 | 80.08 | 0.85 | 42.62 |
| 3.203 | 23.51 | 61.33 | 4.44 | 5.87 | 79.98 | 0.85 | 42.62 |
| 3.215 | 23.51 | 61.33 | 4.44 | 5.88 | 78.68 | 0.85 | 42.62 |
| 3.237 | 23.51 | 61.33 | 4.44 | 5.9 | 78.3 | 0.85 | 42.62 |
| 3.242 | 23.51 | 61.33 | 4.51 | 5.92 | 78.27 | 0.81 | 42.62 |
| 3.249 | 23.51 | 61.33 | 4.51 | 5.94 | 77.71 | 0.81 | 42.62 |
| 3.264 | 23.51 | 61.33 | 4.51 | 5.97 | 76.42 | 0.81 | 42.62 |
| 3.301 | 23.51 | 61.33 | 4.51 | 5.97 | 74.04 | 0.81 | 42.62 |
| 3.329 | 23.51 | 61.33 | 4.59 | 5.94 | 74.25 | 0.82 | 42.62 |
| 3.333 | 23.51 | 61.33 | 4.59 | 5.94 | 73.95 | 0.82 | 42.62 |
| 3.338 | 23.51 | 61.33 | 4.42 | 5.93 | 73.5 | 0.85 | 42.62 |
| 3.348 | 23.51 | 61.33 | 4.42 | 5.93 | 72.18 | 0.85 | 42.62 |
| 3.387 | 23.51 | 61.33 | 4.42 | 5.93 | 69.22 | 0.85 | 42.62 |
| 3.453 | 23.51 | 61.33 | 4.46 | 5.94 | 66.3 | 0.82 | 42.62 |
| 3.52 | 23.51 | 61.33 | 4.46 | 5.94 | 63.86 | 0.82 | 42.62 |
| 3.58 | 23.51 | 61.32 | 4.46 | 5.95 | 61.4 | 0.82 | 42.62 |
| 3.644 | 23.5 | 61.32 | 4.46 | 5.94 | 58.81 | 0.82 | 42.62 |
| 3.715 | 23.5 | 61.32 | 4.46 | 5.93 | 56.47 | 0.82 | 42.62 |
| 3.777 | 23.5 | 61.32 | 4.56 | 5.93 | 54.47 | 0.81 | 42.62 |
| 3.832 | 23.5 | 61.32 | 4.56 | 5.93 | 52.59 | 0.81 | 42.62 |
| 3.877 | 23.49 | 61.32 | 4.56 | 5.94 | 51.55 | 0.81 | 42.63 |
| 3.91 | 23.49 | 61.32 | 4.56 | 5.95 | 50.36 | 0.81 | 42.63 |
| 3.953 | 23.49 | 61.32 | 4.1 | 5.95 | 48.38 | 0.76 | 42.63 |
| 4.006 | 23.49 | 61.32 | 4.1 | 5.97 | 46.9 | 0.76 | 42.63 |
| 4.071 | 23.49 | 61.32 | 4.1 | 5.97 | 44.34 | 0.76 | 42.63 |
| 4.148 | 23.49 | 61.32 | 4.1 | 5.98 | 42.52 | 0.76 | 42.63 |
| 4.212 | 23.49 | 61.32 | 4.1 | 6.0 | 41.21 | 0.76 | 42.63 |
| 4.254 | 23.49 | 61.32 | 3.78 | 6.0 | 40.78 | 0.69 | 42.63 |
| 4.279 | 23.49 | 61.33 | 3.78 | 6.01 | 40.21 | 0.69 | 42.63 |
| 4.311 | 23.49 | 61.32 | 3.78 | 6.01 | 39.28 | 0.69 | 42.63 |
| 4.374 | 23.49 | 61.32 | 3.78 | 6.02 | 37.0 | 0.69 | 42.63 |
| 4.439 | 23.49 | 61.33 | 4.68 | 6.02 | 36.72 | 0.69 | 42.63 |
| 4.463 | 23.49 | 61.33 | 4.68 | 6.01 | 36.32 | 0.69 | 42.63 |
| 4.475 | 23.49 | 61.32 | 5.98 | 5.87 | 36.54 | 0.74 | 42.63 |

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|---|---|---|---|---|---|---|---|
| 4.48 | 23.49 | 61.32 | 5.98 | 5.85 | 36.19 | 0.74 | 42.63 |
| 4.503 | 23.49 | 61.32 | 5.98 | 5.83 | 35.22 | 0.74 | 42.63 |
| 4.555 | 23.49 | 61.32 | 5.98 | 5.83 | 33.91 | 0.74 | 42.63 |
| 4.613 | 23.49 | 61.32 | 6.61 | 5.85 | 33.03 | 0.8 | 42.63 |
| 4.649 | 23.49 | 61.33 | 6.61 | 5.88 | 32.83 | 0.8 | 42.64 |
| 4.656 | 23.49 | 61.33 | 6.61 | 5.89 | 32.8 | 0.8 | 42.63 |
| 4.657 | 23.49 | 61.33 | 6.61 | 5.91 | 32.76 | 0.8 | 42.63 |