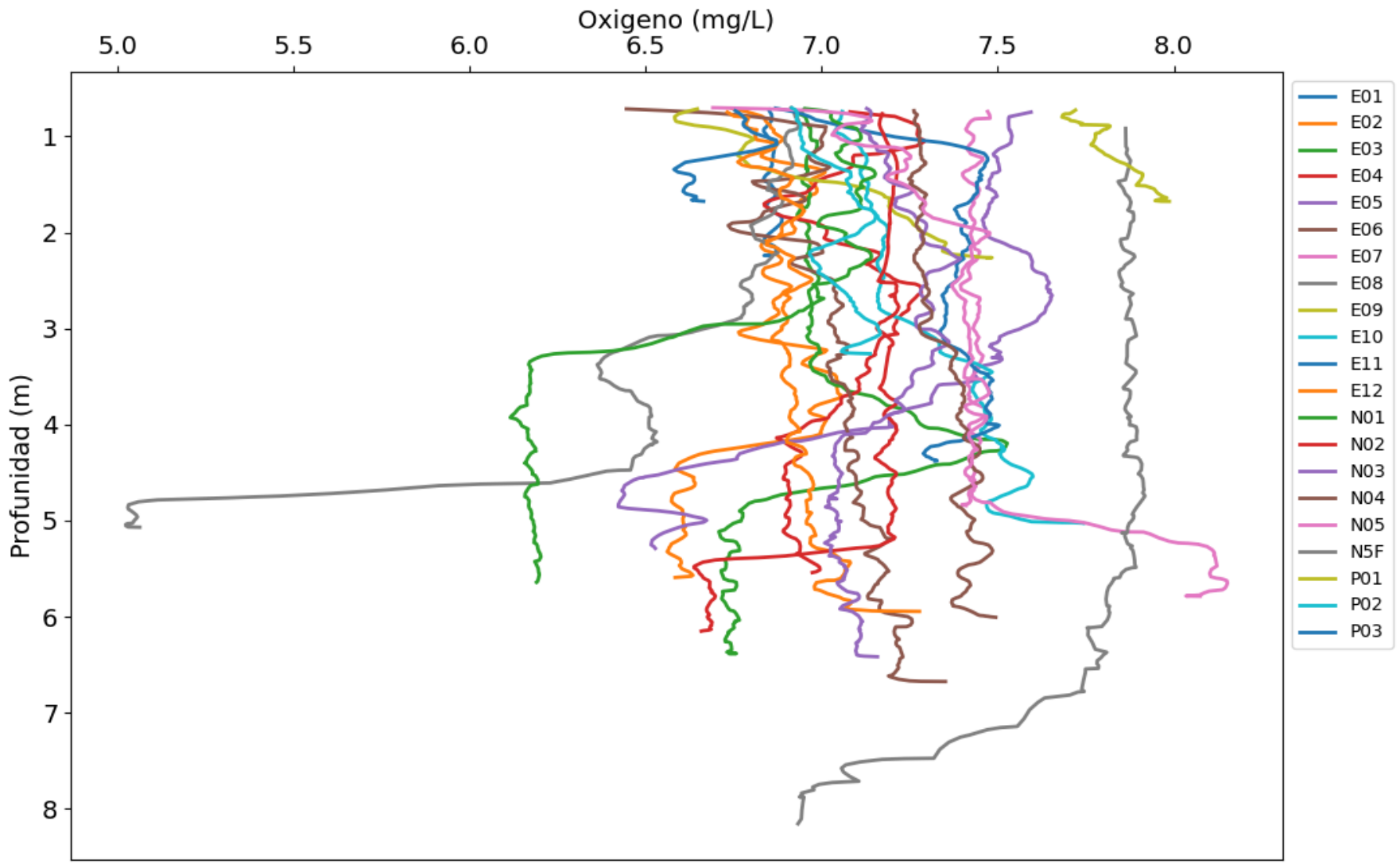
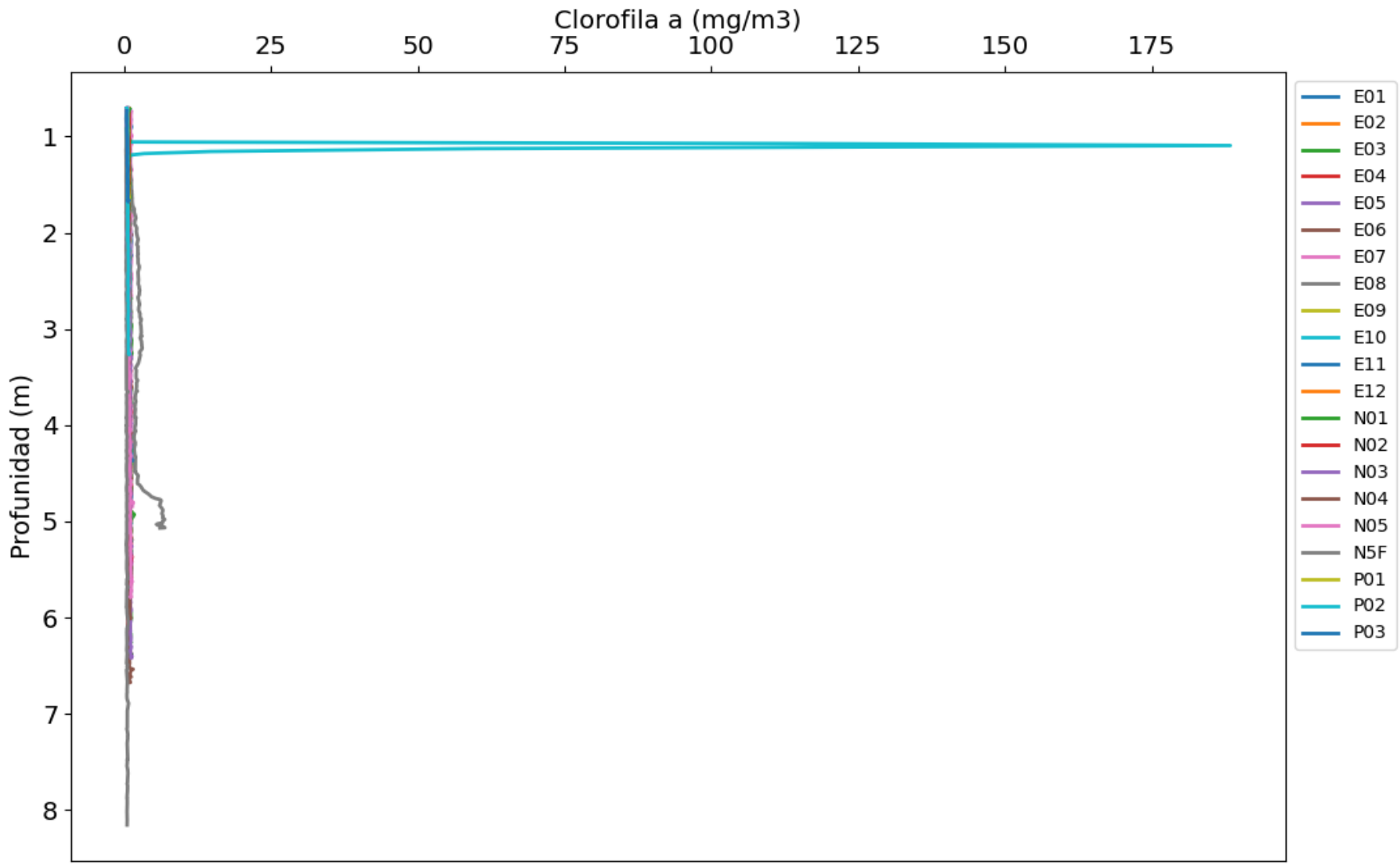
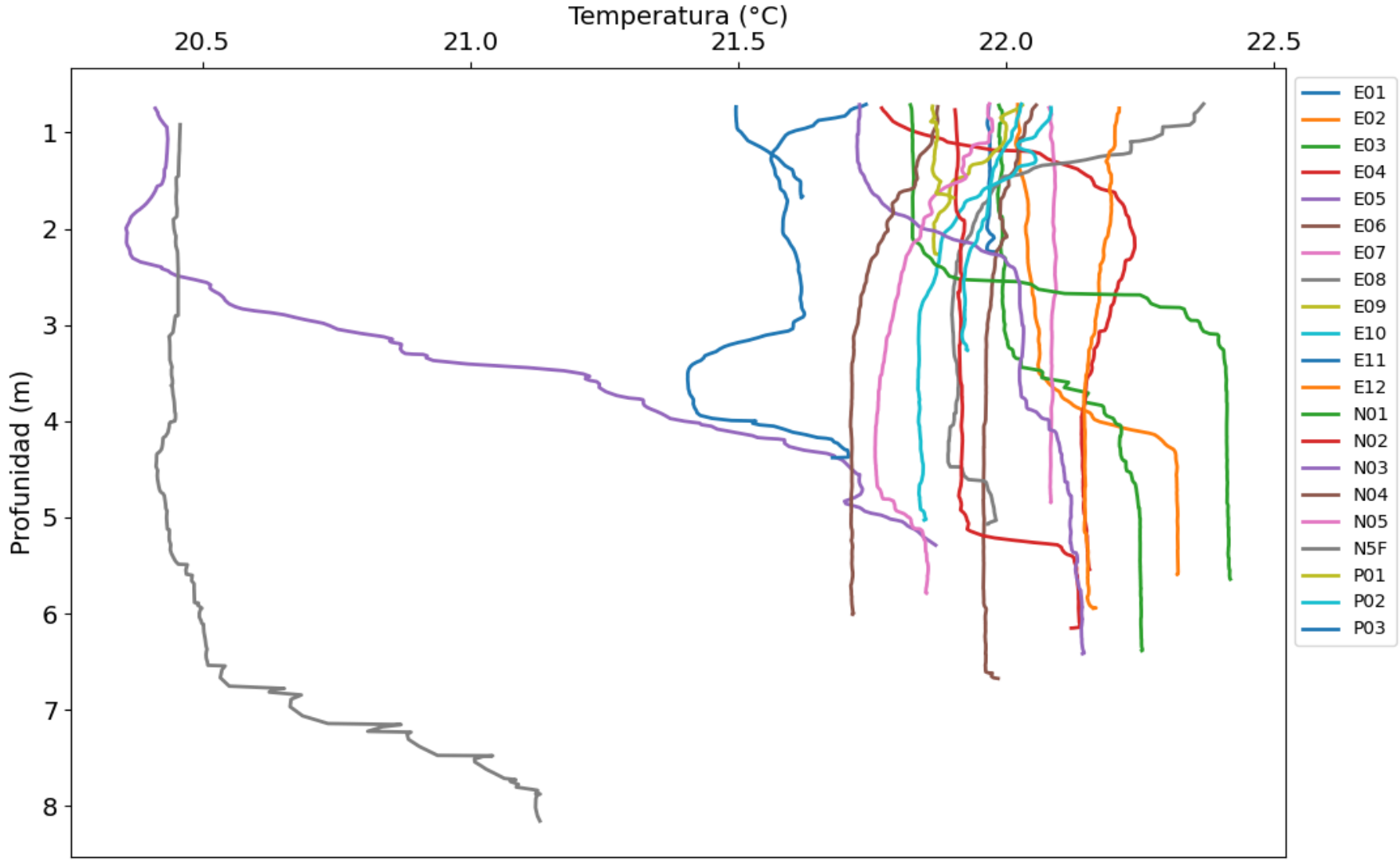
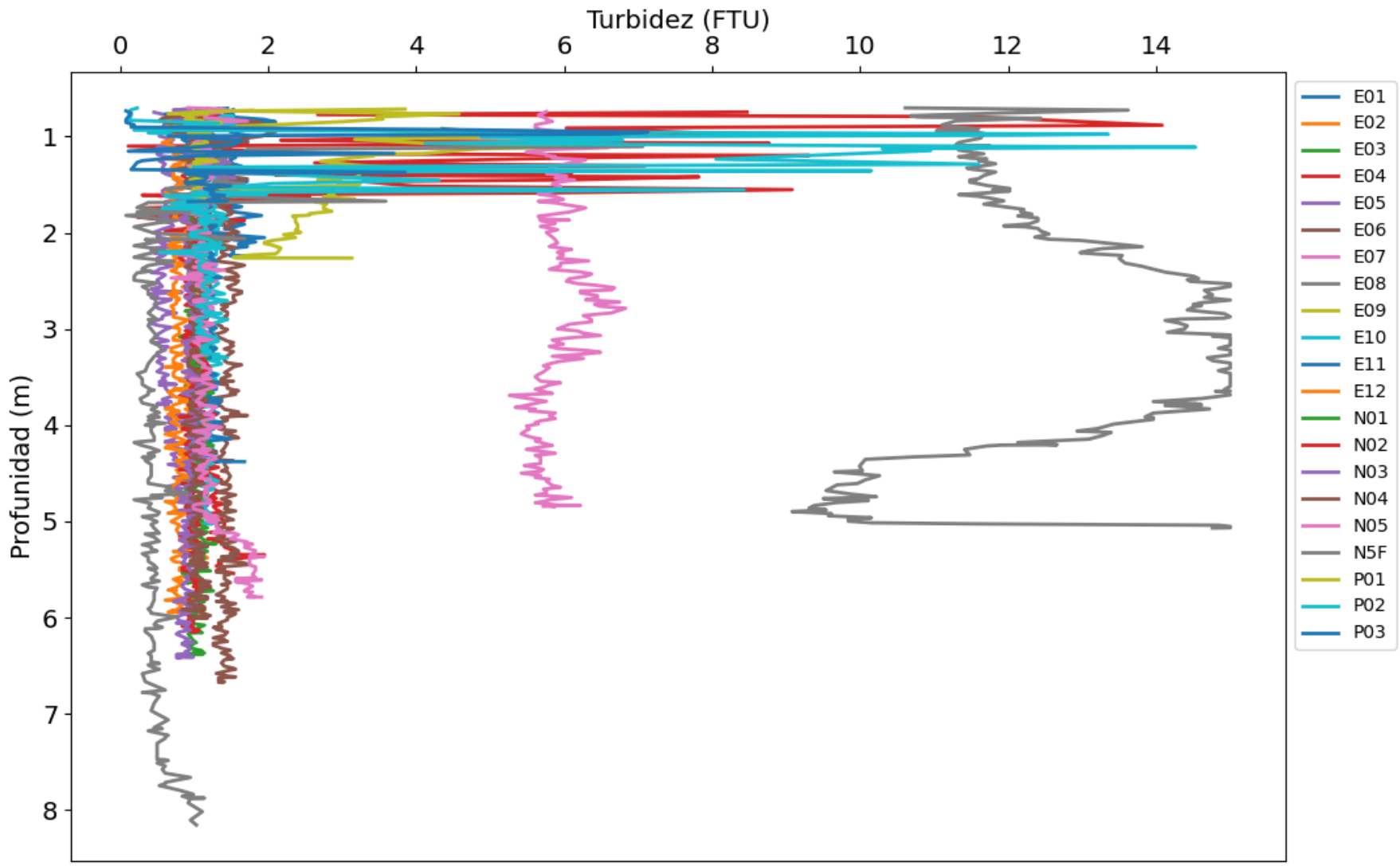
**FICHA GENERAL DE MUESTREOS PARA OXÍGENO, TURBIDEZ, CLOROFILA Y TEMPERATURA** **FECHA: 20241022**

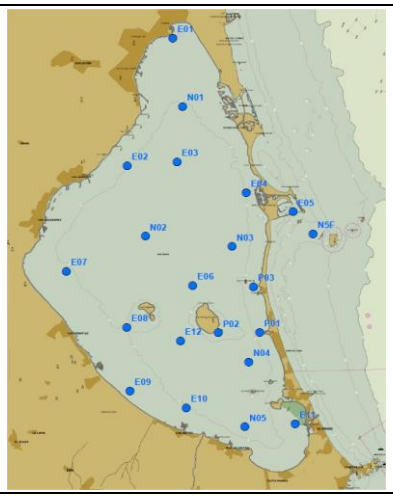


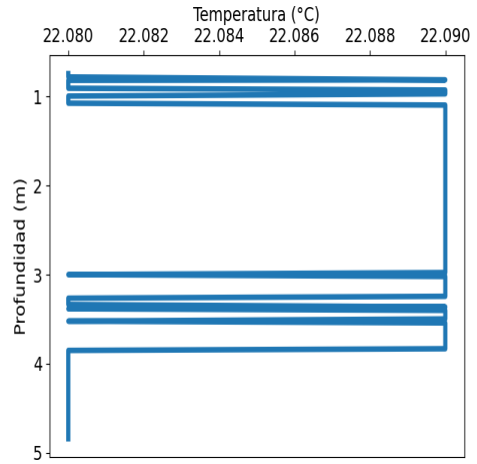

Clorofila a (mg/m3)
0
25
50
75
100
125
150
175
Profunidad (m)
1
2
3
4
5
6
7
8
E01
E02
E03
E04
E05
E06
E07
E08
E09
E10
E11
E12
N01
N02
N03
N04
N05
N5F
P01
P02
P03

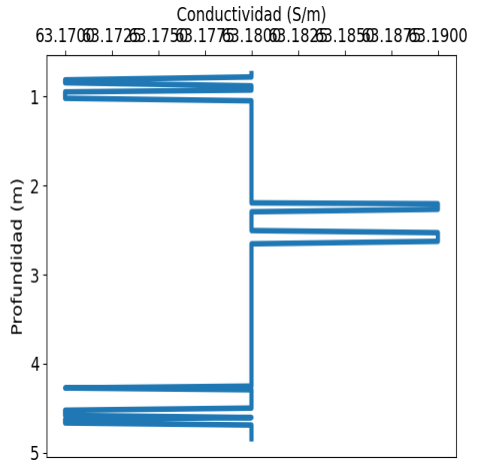

Temperatura (°C)
20.5
21.0
21.5
22.0
22.5
Profunidad (m)
1
2
3
4
5
6
7
8
E01
E02
E03
E04
E05
E06
E07
E08
E09
E10
E11
E12
N01
N02
N03
N04
N05
N5F
P01
P02
P03

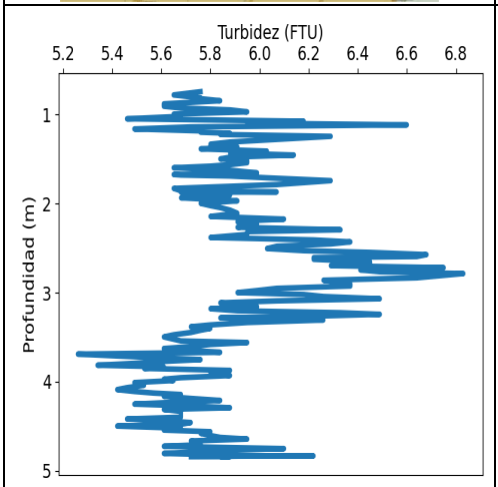

Turbidez (FTU)
0
2
4
6
8
10
12
14
Profunidad (m)
1
2
3
4
5
6
7
8
E01
E02
E03
E04
E05
E06
E07
E08
E09
E10
E11
E12
N01
N02
N03
N04
N05
N5F
P01
P02
P03

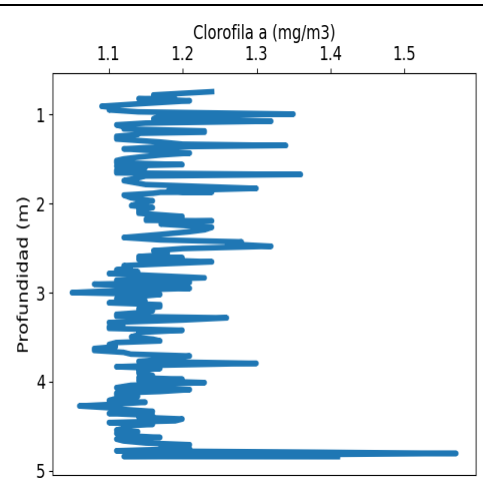
**Nombre: CTD E07 - Punto 001** **Fecha: 22/10/2024** **Hora: 08:10:02**

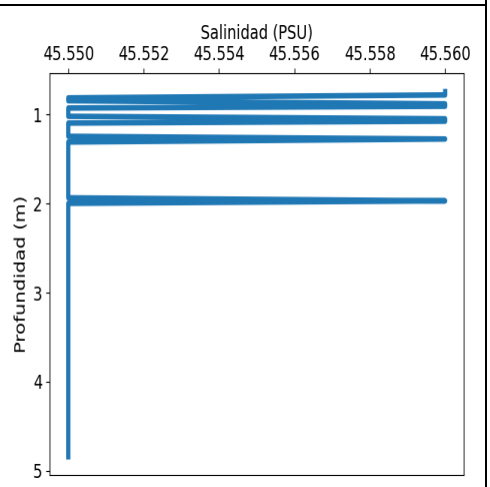


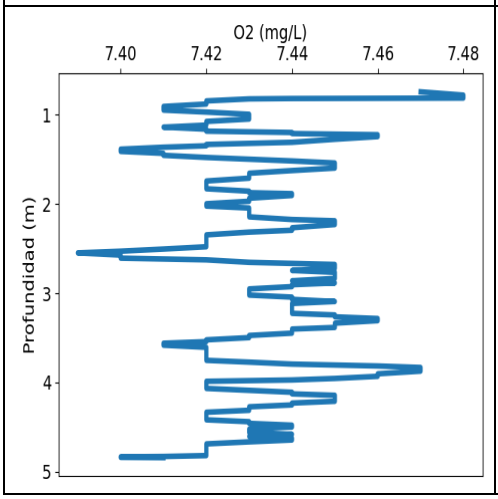



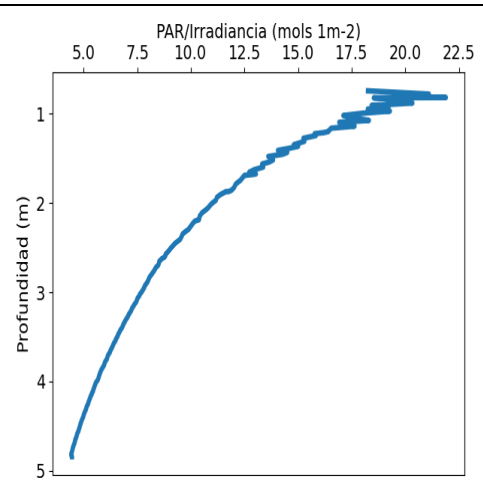




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 22.08 | 63.17 | 5.26 | 7.39 | 4.42 | 1.05 | 45.55 |
| **PROF (metros)** | 0.741 | 0.811 | 3.69 | 2.547 | 4.82 | 2.999 | 0.811 |
| **MÁXIMO** | 22.09 | 22.09 | 6.83 | 7.48 | 21.9 | 1.57 | 45.56 |
| **PROF (metros)** | 0.811 | 2.203 | 2.785 | 0.778 | 0.816 | 4.806 | 0.741 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E07 - Punto 001 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 22.08 | 63.17 | 5.74 | 7.44 | 19.5 | 1.17 | 45.55 |
| 1 - 2m | 22.09 | 63.18 | 5.88 | 7.43 | 14.05 | 1.17 | 45.55 |
| 2 - 3m | 22.09 | 63.18 | 6.2 | 7.43 | 9.14 | 1.17 | 45.55 |
| 3 - 4m | 22.09 | 63.18 | 5.82 | 7.44 | 6.57 | 1.15 | 45.55 |
| 4 - 5m | 22.08 | 63.18 | 5.71 | 7.43 | 4.88 | 1.17 | 45.55 |

| OBSERVACIONES GENERALES |
|---|
| |

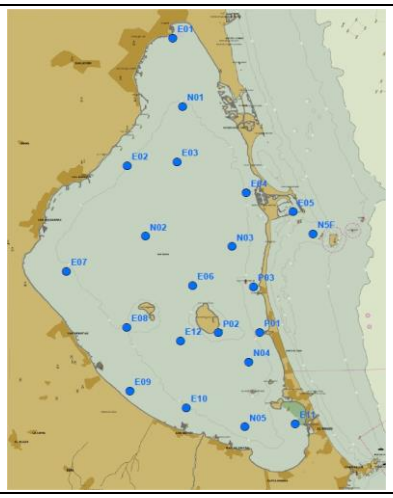
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.741 | 22.08 | 63.18 | 5.76 | 7.47 | 18.26 | 1.24 | 45.56 |
| 0.778 | 22.08 | 63.18 | 5.65 | 7.48 | 21.11 | 1.16 | 45.56 |
| 0.811 | 22.09 | 63.17 | 5.76 | 7.48 | 21.0 | 1.18 | 45.55 |
| 0.816 | 22.08 | 63.17 | 5.76 | 7.44 | 21.9 | 1.19 | 45.55 |
| 0.82 | 22.08 | 63.17 | 5.76 | 7.43 | 18.53 | 1.14 | 45.55 |
| 0.843 | 22.08 | 63.17 | 5.84 | 7.42 | 19.74 | 1.21 | 45.55 |
| 0.878 | 22.08 | 63.18 | 5.61 | 7.42 | 20.34 | 1.14 | 45.56 |
| 0.905 | 22.08 | 63.18 | 5.61 | 7.41 | 18.43 | 1.09 | 45.56 |
| 0.925 | 22.09 | 63.18 | 5.68 | 7.41 | 19.22 | 1.11 | 45.55 |
| 0.946 | 22.09 | 63.17 | 5.88 | 7.41 | 18.25 | 1.1 | 45.55 |
| 0.968 | 22.09 | 63.17 | 5.95 | 7.42 | 19.29 | 1.14 | 45.55 |
| 0.993 | 22.08 | 63.17 | 5.65 | 7.43 | 17.98 | 1.35 | 45.55 |
| 1.018 | 22.08 | 63.17 | 5.68 | 7.43 | 17.11 | 1.17 | 45.55 |
| 1.046 | 22.08 | 63.18 | 5.46 | 7.43 | 17.63 | 1.16 | 45.56 |
| 1.073 | 22.08 | 63.18 | 6.18 | 7.42 | 18.31 | 1.32 | 45.56 |
| 1.094 | 22.09 | 63.18 | 5.95 | 7.42 | 16.92 | 1.15 | 45.55 |
| 1.114 | 22.09 | 63.18 | 6.6 | 7.42 | 17.0 | 1.11 | 45.55 |
| 1.137 | 22.09 | 63.18 | 5.72 | 7.41 | 17.64 | 1.12 | 45.55 |
| 1.16 | 22.09 | 63.18 | 5.49 | 7.42 | 16.55 | 1.12 | 45.55 |
| 1.182 | 22.09 | 63.18 | 5.76 | 7.42 | 16.46 | 1.23 | 45.55 |
| 1.197 | 22.09 | 63.18 | 5.76 | 7.44 | 16.42 | 1.23 | 45.55 |
| 1.209 | 22.09 | 63.18 | 5.88 | 7.44 | 16.22 | 1.14 | 45.55 |
| 1.222 | 22.09 | 63.18 | 5.84 | 7.46 | 15.77 | 1.14 | 45.55 |
| 1.243 | 22.09 | 63.18 | 6.29 | 7.46 | 15.83 | 1.11 | 45.55 |
| 1.273 | 22.09 | 63.18 | 6.1 | 7.45 | 15.25 | 1.11 | 45.56 |
| 1.307 | 22.09 | 63.18 | 5.88 | 7.44 | 15.3 | 1.17 | 45.55 |
| 1.331 | 22.09 | 63.18 | 5.8 | 7.42 | 14.99 | 1.2 | 45.55 |
| 1.346 | 22.09 | 63.18 | 5.8 | 7.42 | 14.8 | 1.34 | 45.55 |
| 1.362 | 22.09 | 63.18 | 5.91 | 7.41 | 15.01 | 1.17 | 45.55 |
| 1.384 | 22.09 | 63.18 | 5.76 | 7.4 | 14.62 | 1.12 | 45.55 |
| 1.409 | 22.09 | 63.18 | 6.03 | 7.4 | 14.06 | 1.17 | 45.55 |
| 1.431 | 22.09 | 63.18 | 5.88 | 7.41 | 14.5 | 1.21 | 45.55 |
| 1.453 | 22.09 | 63.18 | 6.14 | 7.41 | 14.27 | 1.17 | 45.55 |
| 1.477 | 22.09 | 63.18 | 5.88 | 7.42 | 13.61 | 1.14 | 45.55 |
| 1.497 | 22.09 | 63.18 | 5.84 | 7.43 | 13.82 | 1.12 | 45.55 |
| 1.516 | 22.09 | 63.18 | 5.95 | 7.44 | 13.84 | 1.11 | 45.55 |
| 1.539 | 22.09 | 63.18 | 5.95 | 7.45 | 13.66 | 1.11 | 45.55 |

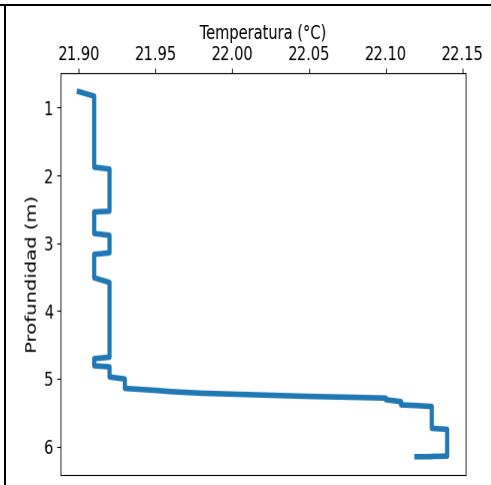
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.561 | 22.09 | 63.18 | 5.88 | 7.45 | 13.33 | 1.2 | 45.55 |
| 1.578 | 22.09 | 63.18 | 5.8 | 7.45 | 13.32 | 1.11 | 45.55 |
| 1.596 | 22.09 | 63.18 | 5.65 | 7.45 | 13.38 | 1.15 | 45.55 |
| 1.624 | 22.09 | 63.18 | 5.88 | 7.44 | 12.97 | 1.11 | 45.55 |
| 1.654 | 22.09 | 63.18 | 5.99 | 7.43 | 12.72 | 1.11 | 45.55 |
| 1.672 | 22.09 | 63.18 | 5.65 | 7.43 | 13.04 | 1.36 | 45.55 |
| 1.678 | 22.09 | 63.18 | 5.68 | 7.43 | 12.92 | 1.28 | 45.55 |
| 1.689 | 22.09 | 63.18 | 5.88 | 7.43 | 12.5 | 1.15 | 45.55 |
| 1.709 | 22.09 | 63.18 | 6.03 | 7.43 | 12.43 | 1.14 | 45.55 |
| 1.741 | 22.09 | 63.18 | 6.29 | 7.42 | 12.33 | 1.12 | 45.55 |
| 1.785 | 22.09 | 63.18 | 6.07 | 7.42 | 12.1 | 1.15 | 45.55 |
| 1.828 | 22.09 | 63.18 | 5.65 | 7.42 | 12.01 | 1.3 | 45.55 |
| 1.855 | 22.09 | 63.18 | 5.68 | 7.43 | 11.9 | 1.18 | 45.55 |
| 1.868 | 22.09 | 63.18 | 6.07 | 7.43 | 11.79 | 1.2 | 45.55 |
| 1.87 | 22.09 | 63.18 | 5.84 | 7.43 | 11.76 | 1.24 | 45.55 |
| 1.872 | 22.09 | 63.18 | 5.68 | 7.43 | 11.62 | 1.17 | 45.55 |
| 1.883 | 22.09 | 63.18 | 5.84 | 7.44 | 11.55 | 1.16 | 45.55 |
| 1.903 | 22.09 | 63.18 | 5.88 | 7.44 | 11.39 | 1.12 | 45.55 |
| 1.934 | 22.09 | 63.18 | 5.68 | 7.43 | 11.22 | 1.13 | 45.55 |
| 1.968 | 22.09 | 63.18 | 5.91 | 7.43 | 11.17 | 1.16 | 45.56 |
| 1.996 | 22.09 | 63.18 | 5.76 | 7.42 | 11.02 | 1.14 | 45.55 |
| 2.022 | 22.09 | 63.18 | 5.8 | 7.42 | 10.91 | 1.13 | 45.55 |
| 2.044 | 22.09 | 63.18 | 5.84 | 7.43 | 10.84 | 1.16 | 45.55 |
| 2.072 | 22.09 | 63.18 | 5.88 | 7.43 | 10.72 | 1.14 | 45.55 |
| 2.107 | 22.09 | 63.18 | 5.91 | 7.43 | 10.53 | 1.14 | 45.55 |
| 2.143 | 22.09 | 63.18 | 5.8 | 7.43 | 10.42 | 1.2 | 45.55 |
| 2.173 | 22.09 | 63.18 | 6.1 | 7.44 | 10.39 | 1.15 | 45.55 |
| 2.187 | 22.09 | 63.18 | 5.99 | 7.45 | 10.38 | 1.15 | 45.55 |
| 2.193 | 22.09 | 63.18 | 5.99 | 7.45 | 10.29 | 1.24 | 45.55 |
| 2.203 | 22.09 | 63.19 | 5.91 | 7.45 | 10.18 | 1.18 | 45.55 |
| 2.229 | 22.09 | 63.19 | 5.99 | 7.45 | 10.09 | 1.17 | 45.55 |
| 2.265 | 22.09 | 63.19 | 5.91 | 7.44 | 9.98 | 1.24 | 45.55 |
| 2.293 | 22.09 | 63.18 | 6.33 | 7.44 | 9.9 | 1.23 | 45.55 |
| 2.314 | 22.09 | 63.18 | 5.95 | 7.43 | 9.78 | 1.21 | 45.55 |
| 2.345 | 22.09 | 63.18 | 5.95 | 7.42 | 9.62 | 1.17 | 45.55 |
| 2.38 | 22.09 | 63.18 | 5.8 | 7.42 | 9.56 | 1.12 | 45.55 |
| 2.407 | 22.09 | 63.18 | 6.22 | 7.42 | 9.5 | 1.17 | 45.55 |
| 2.429 | 22.09 | 63.18 | 6.37 | 7.42 | 9.38 | 1.28 | 45.55 |
| 2.452 | 22.09 | 63.18 | 6.29 | 7.42 | 9.26 | 1.26 | 45.55 |
| 2.478 | 22.09 | 63.18 | 6.07 | 7.42 | 9.17 | 1.32 | 45.55 |
| 2.504 | 22.09 | 63.18 | 6.03 | 7.41 | 9.07 | 1.2 | 45.55 |
| 2.528 | 22.09 | 63.19 | 6.18 | 7.4 | 8.99 | 1.16 | 45.55 |
| 2.547 | 22.09 | 63.19 | 6.45 | 7.39 | 8.93 | 1.18 | 45.55 |
| 2.572 | 22.09 | 63.19 | 6.68 | 7.4 | 8.83 | 1.18 | 45.55 |
| 2.594 | 22.09 | 63.19 | 6.64 | 7.4 | 8.81 | 1.14 | 45.55 |
| 2.606 | 22.09 | 63.19 | 6.22 | 7.4 | 8.77 | 1.2 | 45.55 |
| 2.625 | 22.09 | 63.19 | 6.22 | 7.42 | 8.64 | 1.14 | 45.55 |
| 2.653 | 22.09 | 63.18 | 6.45 | 7.43 | 8.53 | 1.24 | 45.55 |
| 2.677 | 22.09 | 63.18 | 6.45 | 7.45 | 8.51 | 1.17 | 45.55 |
| 2.696 | 22.09 | 63.18 | 6.29 | 7.45 | 8.48 | 1.12 | 45.55 |
| 2.719 | 22.09 | 63.18 | 6.75 | 7.45 | 8.38 | 1.13 | 45.55 |
| 2.744 | 22.09 | 63.18 | 6.41 | 7.44 | 8.32 | 1.11 | 45.55 |
| 2.765 | 22.09 | 63.18 | 6.49 | 7.45 | 8.27 | 1.14 | 45.55 |
| 2.785 | 22.09 | 63.18 | 6.83 | 7.45 | 8.21 | 1.1 | 45.55 |
| 2.833 | 22.09 | 63.18 | 6.64 | 7.45 | 8.07 | 1.23 | 45.55 |
| 2.86 | 22.09 | 63.18 | 6.26 | 7.44 | 8.02 | 1.11 | 45.55 |
| 2.884 | 22.09 | 63.18 | 6.33 | 7.45 | 7.98 | 1.21 | 45.55 |
| 2.904 | 22.09 | 63.18 | 6.37 | 7.44 | 7.92 | 1.08 | 45.55 |

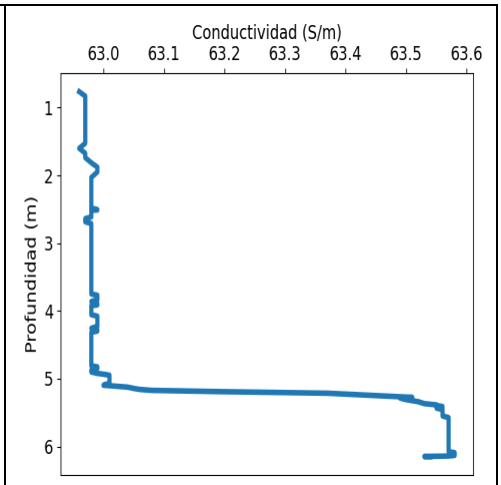
| 2.925 | 22.09 | 63.18 | 6.37 | 7.44 | 7.86 | 1.14 | 45.55 |
|---|---|---|---|---|---|---|---|
| 2.951 | 22.09 | 63.18 | 6.07 | 7.43 | 7.82 | 1.21 | 45.55 |
| 2.976 | 22.09 | 63.18 | 5.99 | 7.43 | 7.76 | 1.11 | 45.55 |
| 2.999 | 22.08 | 63.18 | 5.91 | 7.43 | 7.7 | 1.05 | 45.55 |
| 3.02 | 22.09 | 63.18 | 6.18 | 7.43 | 7.63 | 1.17 | 45.55 |
| 3.043 | 22.09 | 63.18 | 6.26 | 7.44 | 7.59 | 1.14 | 45.55 |
| 3.068 | 22.09 | 63.18 | 6.49 | 7.44 | 7.51 | 1.11 | 45.55 |
| 3.092 | 22.09 | 63.18 | 6.07 | 7.45 | 7.48 | 1.15 | 45.55 |
| 3.114 | 22.09 | 63.18 | 5.84 | 7.44 | 7.44 | 1.1 | 45.55 |
| 3.135 | 22.09 | 63.18 | 5.91 | 7.44 | 7.37 | 1.17 | 45.55 |
| 3.157 | 22.09 | 63.18 | 5.99 | 7.44 | 7.32 | 1.17 | 45.55 |
| 3.18 | 22.09 | 63.18 | 5.8 | 7.44 | 7.26 | 1.14 | 45.55 |
| 3.203 | 22.09 | 63.18 | 5.91 | 7.44 | 7.22 | 1.16 | 45.55 |
| 3.225 | 22.09 | 63.18 | 6.33 | 7.44 | 7.17 | 1.14 | 45.55 |
| 3.243 | 22.09 | 63.18 | 6.49 | 7.45 | 7.12 | 1.11 | 45.55 |
| 3.264 | 22.08 | 63.18 | 6.22 | 7.45 | 7.08 | 1.11 | 45.55 |
| 3.283 | 22.08 | 63.18 | 5.84 | 7.46 | 7.04 | 1.26 | 45.55 |
| 3.307 | 22.08 | 63.18 | 6.26 | 7.46 | 6.97 | 1.2 | 45.55 |
| 3.335 | 22.08 | 63.18 | 5.95 | 7.45 | 6.91 | 1.1 | 45.55 |
| 3.362 | 22.09 | 63.18 | 5.8 | 7.45 | 6.85 | 1.12 | 45.55 |
| 3.383 | 22.08 | 63.18 | 5.72 | 7.45 | 6.82 | 1.1 | 45.55 |
| 3.401 | 22.09 | 63.18 | 5.8 | 7.44 | 6.78 | 1.1 | 45.55 |
| 3.422 | 22.09 | 63.18 | 5.76 | 7.44 | 6.72 | 1.2 | 45.55 |
| 3.447 | 22.09 | 63.18 | 5.72 | 7.44 | 6.67 | 1.14 | 45.55 |
| 3.473 | 22.09 | 63.18 | 5.65 | 7.43 | 6.61 | 1.14 | 45.55 |
| 3.497 | 22.09 | 63.18 | 5.61 | 7.43 | 6.58 | 1.13 | 45.55 |
| 3.522 | 22.08 | 63.18 | 5.65 | 7.42 | 6.51 | 1.16 | 45.55 |
| 3.542 | 22.09 | 63.18 | 5.68 | 7.42 | 6.49 | 1.17 | 45.55 |
| 3.56 | 22.09 | 63.18 | 5.95 | 7.41 | 6.44 | 1.11 | 45.55 |
| 3.582 | 22.09 | 63.18 | 5.8 | 7.41 | 6.39 | 1.1 | 45.55 |
| 3.606 | 22.09 | 63.18 | 5.72 | 7.42 | 6.35 | 1.11 | 45.55 |
| 3.627 | 22.09 | 63.18 | 5.61 | 7.42 | 6.31 | 1.08 | 45.55 |
| 3.649 | 22.09 | 63.18 | 5.72 | 7.42 | 6.26 | 1.08 | 45.55 |
| 3.67 | 22.09 | 63.18 | 5.84 | 7.42 | 6.23 | 1.12 | 45.55 |
| 3.69 | 22.09 | 63.18 | 5.26 | 7.42 | 6.18 | 1.13 | 45.55 |
| 3.711 | 22.09 | 63.18 | 5.42 | 7.42 | 6.13 | 1.21 | 45.55 |
| 3.734 | 22.09 | 63.18 | 5.61 | 7.42 | 6.1 | 1.19 | 45.55 |
| 3.752 | 22.09 | 63.18 | 5.76 | 7.42 | 6.08 | 1.17 | 45.55 |
| 3.772 | 22.09 | 63.18 | 5.61 | 7.43 | 6.02 | 1.14 | 45.55 |
| 3.794 | 22.09 | 63.18 | 5.49 | 7.44 | 5.98 | 1.3 | 45.55 |
| 3.815 | 22.09 | 63.18 | 5.34 | 7.46 | 5.96 | 1.17 | 45.55 |
| 3.832 | 22.09 | 63.18 | 5.61 | 7.47 | 5.92 | 1.11 | 45.55 |
| 3.851 | 22.08 | 63.18 | 5.53 | 7.47 | 5.88 | 1.17 | 45.55 |
| 3.873 | 22.08 | 63.18 | 5.88 | 7.47 | 5.82 | 1.14 | 45.55 |
| 3.903 | 22.08 | 63.18 | 5.8 | 7.46 | 5.77 | 1.14 | 45.55 |
| 3.931 | 22.08 | 63.18 | 5.88 | 7.46 | 5.73 | 1.16 | 45.55 |
| 3.955 | 22.08 | 63.18 | 5.68 | 7.45 | 5.7 | 1.14 | 45.55 |
| 3.972 | 22.08 | 63.18 | 5.61 | 7.44 | 5.68 | 1.2 | 45.55 |
| 3.987 | 22.08 | 63.18 | 5.65 | 7.42 | 5.65 | 1.14 | 45.55 |
| 4.01 | 22.08 | 63.18 | 5.49 | 7.42 | 5.58 | 1.23 | 45.55 |
| 4.04 | 22.08 | 63.18 | 5.53 | 7.42 | 5.53 | 1.13 | 45.55 |
| 4.067 | 22.08 | 63.18 | 5.46 | 7.42 | 5.49 | 1.11 | 45.55 |
| 4.089 | 22.08 | 63.18 | 5.42 | 7.43 | 5.46 | 1.21 | 45.55 |
| 4.11 | 22.08 | 63.18 | 5.49 | 7.44 | 5.44 | 1.17 | 45.55 |
| 4.128 | 22.08 | 63.18 | 5.57 | 7.44 | 5.39 | 1.11 | 45.55 |
| 4.144 | 22.08 | 63.18 | 5.68 | 7.45 | 5.38 | 1.11 | 45.55 |
| 4.164 | 22.08 | 63.18 | 5.61 | 7.45 | 5.33 | 1.14 | 45.55 |
| 4.188 | 22.08 | 63.18 | 5.72 | 7.45 | 5.3 | 1.11 | 45.55 |

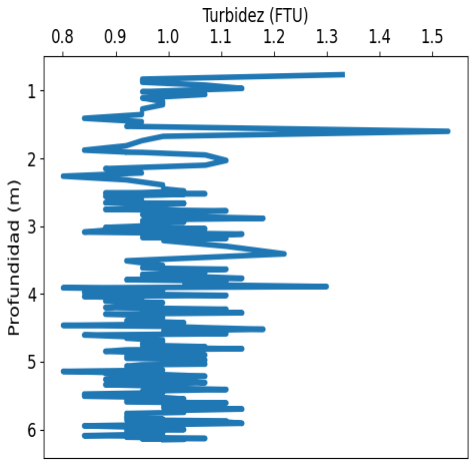
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4.211 | 22.08 | 63.18 | 5.84 | 7.45 | 5.26 | 1.1 | 45.55 |
| 4.231 | 22.08 | 63.18 | 5.65 | 7.44 | 5.23 | 1.15 | 45.55 |
| 4.252 | 22.08 | 63.18 | 5.49 | 7.44 | 5.21 | 1.11 | 45.55 |
| 4.273 | 22.08 | 63.17 | 5.72 | 7.43 | 5.16 | 1.06 | 45.55 |
| 4.293 | 22.08 | 63.18 | 5.88 | 7.43 | 5.13 | 1.1 | 45.55 |
| 4.312 | 22.08 | 63.18 | 5.61 | 7.43 | 5.11 | 1.12 | 45.55 |
| 4.334 | 22.08 | 63.18 | 5.68 | 7.42 | 5.07 | 1.16 | 45.55 |
| 4.357 | 22.08 | 63.18 | 5.68 | 7.42 | 5.03 | 1.1 | 45.55 |
| 4.379 | 22.08 | 63.18 | 5.68 | 7.42 | 5.0 | 1.16 | 45.55 |
| 4.399 | 22.08 | 63.18 | 5.68 | 7.42 | 4.98 | 1.14 | 45.55 |
| 4.419 | 22.08 | 63.18 | 5.46 | 7.42 | 4.94 | 1.2 | 45.55 |
| 4.44 | 22.08 | 63.18 | 5.61 | 7.43 | 4.91 | 1.19 | 45.55 |
| 4.459 | 22.08 | 63.18 | 5.72 | 7.43 | 4.88 | 1.1 | 45.55 |
| 4.479 | 22.08 | 63.18 | 5.68 | 7.44 | 4.85 | 1.16 | 45.55 |
| 4.499 | 22.08 | 63.18 | 5.42 | 7.44 | 4.83 | 1.12 | 45.55 |
| 4.523 | 22.08 | 63.17 | 5.68 | 7.43 | 4.8 | 1.12 | 45.55 |
| 4.544 | 22.08 | 63.17 | 5.61 | 7.43 | 4.77 | 1.11 | 45.55 |
| 4.562 | 22.08 | 63.17 | 5.8 | 7.43 | 4.75 | 1.14 | 45.55 |
| 4.581 | 22.08 | 63.17 | 5.76 | 7.44 | 4.71 | 1.11 | 45.55 |
| 4.605 | 22.08 | 63.18 | 5.8 | 7.43 | 4.68 | 1.12 | 45.55 |
| 4.626 | 22.08 | 63.17 | 5.84 | 7.44 | 4.66 | 1.17 | 45.55 |
| 4.645 | 22.08 | 63.17 | 5.95 | 7.44 | 4.62 | 1.11 | 45.55 |
| 4.666 | 22.08 | 63.17 | 5.72 | 7.43 | 4.6 | 1.12 | 45.55 |
| 4.689 | 22.08 | 63.18 | 5.76 | 7.42 | 4.58 | 1.15 | 45.55 |
| 4.708 | 22.08 | 63.18 | 5.76 | 7.42 | 4.55 | 1.21 | 45.55 |
| 4.726 | 22.08 | 63.18 | 5.61 | 7.42 | 4.52 | 1.17 | 45.55 |
| 4.752 | 22.08 | 63.18 | 6.1 | 7.42 | 4.49 | 1.21 | 45.55 |
| 4.776 | 22.08 | 63.18 | 5.8 | 7.42 | 4.47 | 1.11 | 45.55 |
| 4.793 | 22.08 | 63.18 | 5.72 | 7.42 | 4.45 | 1.39 | 45.55 |
| 4.806 | 22.08 | 63.18 | 5.61 | 7.42 | 4.43 | 1.57 | 45.55 |
| 4.82 | 22.08 | 63.18 | 5.8 | 7.42 | 4.42 | 1.36 | 45.55 |
| 4.83 | 22.08 | 63.18 | 5.91 | 7.41 | 4.43 | 1.32 | 45.55 |
| 4.834 | 22.08 | 63.18 | 6.22 | 7.4 | 4.43 | 1.28 | 45.55 |
| 4.837 | 22.08 | 63.18 | 5.91 | 7.4 | 4.45 | 1.17 | 45.55 |
| 4.84 | 22.08 | 63.18 | 5.84 | 7.4 | 4.46 | 1.12 | 45.55 |
| 4.842 | 22.08 | 63.18 | 5.88 | 7.41 | 4.46 | 1.18 | 45.55 |
| 4.843 | 22.08 | 63.18 | 5.72 | 7.41 | 4.46 | 1.41 | 45.55 |

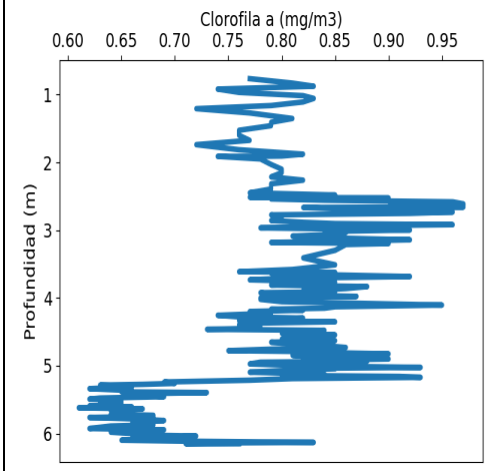
**Nombre: CTD N02 - Punto 002** **Fecha: 22/10/2024** **Hora: 08:10:39**

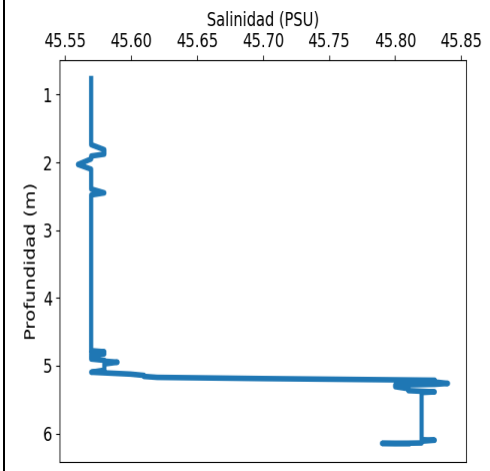


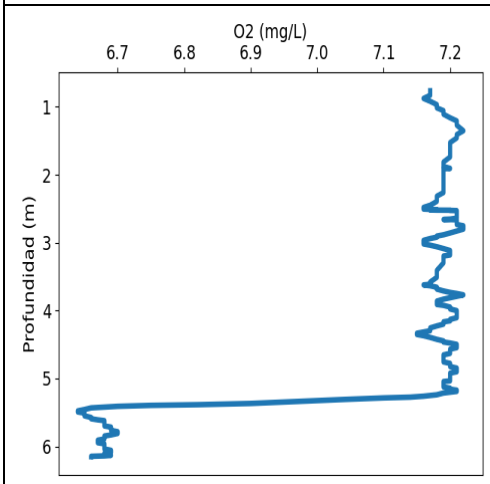



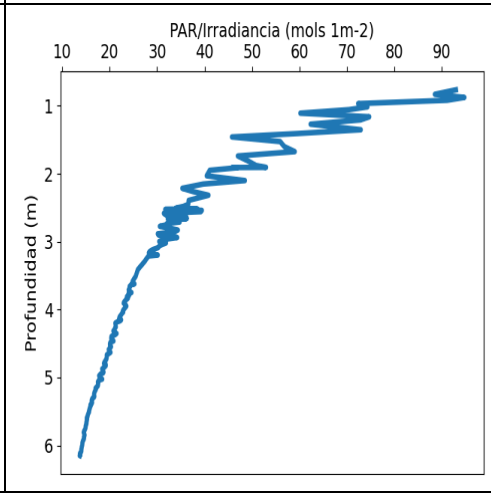




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 21.9 | 62.96 | 0.8 | 6.64 | 13.68 | 0.61 | 45.56 |
| **PROF (metros)** | 0.764 | 0.764 | 2.262 | 5.477 | 6.15 | 5.621 | 2.03 |
| **MÁXIMO** | 22.14 | 22.14 | 1.53 | 7.22 | 94.75 | 0.97 | 45.84 |
| **PROF (metros)** | 5.747 | 6.091 | 1.6 | 1.352 | 0.876 | 2.612 | 5.261 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD N02 - Punto 002 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 21.91 | 62.97 | 1.09 | 7.17 | 87.92 | 0.78 | 45.57 |
| 1 - 2m | 21.91 | 62.98 | 0.98 | 7.2 | 57.81 | 0.78 | 45.57 |
| 2 - 3m | 21.92 | 62.98 | 0.97 | 7.19 | 35.0 | 0.84 | 45.57 |
| 3 - 4m | 21.92 | 62.98 | 1.01 | 7.19 | 25.89 | 0.83 | 45.57 |
| 4 - 5m | 21.92 | 62.98 | 0.98 | 7.19 | 20.38 | 0.81 | 45.57 |
| 5 - 6m | 22.08 | 63.44 | 0.98 | 6.85 | 15.82 | 0.7 | 45.78 |
| 6 - 7m | 22.13 | 63.56 | 0.98 | 6.68 | 13.91 | 0.71 | 45.82 |

| 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) |
| 0.764 | 21.9 | 62.96 | 1.33 | 7.17 | 92.95 | 0.77 | 45.57 |
| 0.83 | 21.91 | 62.97 | 0.95 | 7.17 | 88.49 | 0.81 | 45.57 |
| 0.876 | 21.91 | 62.97 | 0.95 | 7.16 | 94.75 | 0.83 | 45.57 |
| 0.918 | 21.91 | 62.97 | 1.07 | 7.17 | 91.09 | 0.74 | 45.57 |
| 0.967 | 21.91 | 62.97 | 1.14 | 7.18 | 72.33 | 0.76 | 45.57 |
| 1.015 | 21.91 | 62.97 | 0.95 | 7.18 | 74.32 | 0.82 | 45.57 |
| 1.056 | 21.91 | 62.97 | 1.07 | 7.19 | 70.41 | 0.83 | 45.57 |
| 1.108 | 21.91 | 62.97 | 0.95 | 7.19 | 60.16 | 0.82 | 45.57 |
| 1.161 | 21.91 | 62.97 | 0.99 | 7.2 | 74.7 | 0.79 | 45.57 |
| 1.207 | 21.91 | 62.97 | 0.99 | 7.21 | 72.85 | 0.72 | 45.57 |
| 1.27 | 21.91 | 62.97 | 0.95 | 7.21 | 62.32 | 0.77 | 45.57 |
| 1.352 | 21.91 | 62.97 | 0.95 | 7.22 | 72.92 | 0.81 | 45.57 |
| 1.408 | 21.91 | 62.97 | 0.84 | 7.21 | 59.48 | 0.79 | 45.57 |
| 1.458 | 21.91 | 62.97 | 0.95 | 7.21 | 45.75 | 0.79 | 45.57 |
| 1.526 | 21.91 | 62.97 | 0.92 | 7.2 | 55.92 | 0.76 | 45.57 |
| 1.6 | 21.91 | 62.96 | 1.53 | 7.2 | 56.8 | 0.76 | 45.57 |
| 1.674 | 21.91 | 62.97 | 0.99 | 7.2 | 59.01 | 0.77 | 45.57 |
| 1.738 | 21.91 | 62.97 | 0.95 | 7.2 | 46.99 | 0.72 | 45.57 |
| 1.813 | 21.91 | 62.98 | 0.92 | 7.19 | 49.2 | 0.76 | 45.58 |
| 1.878 | 21.91 | 62.99 | 0.84 | 7.19 | 50.84 | 0.82 | 45.58 |
| 1.906 | 21.92 | 62.99 | 0.92 | 7.2 | 52.96 | 0.8 | 45.57 |
| 1.908 | 21.92 | 62.99 | 0.92 | 7.2 | 45.83 | 0.79 | 45.57 |
| 1.911 | 21.92 | 62.99 | 0.95 | 7.19 | 46.87 | 0.74 | 45.57 |
| 1.949 | 21.92 | 62.99 | 1.07 | 7.19 | 41.08 | 0.78 | 45.57 |
| 2.03 | 21.92 | 62.98 | 1.11 | 7.19 | 40.44 | 0.79 | 45.56 |
| 2.1 | 21.92 | 62.98 | 1.07 | 7.19 | 48.5 | 0.8 | 45.57 |
| 2.151 | 21.92 | 62.98 | 0.88 | 7.19 | 39.72 | 0.8 | 45.57 |
| 2.214 | 21.92 | 62.98 | 0.95 | 7.19 | 35.29 | 0.79 | 45.57 |
| 2.262 | 21.92 | 62.98 | 0.8 | 7.19 | 37.57 | 0.82 | 45.57 |
| 2.316 | 21.92 | 62.98 | 0.92 | 7.18 | 40.83 | 0.79 | 45.57 |
| 2.392 | 21.92 | 62.98 | 0.99 | 7.18 | 36.64 | 0.79 | 45.57 |
| 2.449 | 21.92 | 62.98 | 0.99 | 7.17 | 36.58 | 0.77 | 45.58 |
| 2.481 | 21.92 | 62.98 | 1.03 | 7.16 | 35.51 | 0.85 | 45.57 |
| 2.505 | 21.92 | 62.99 | 0.95 | 7.16 | 33.96 | 0.79 | 45.57 |
| 2.51 | 21.92 | 62.99 | 0.88 | 7.17 | 34.16 | 0.79 | 45.57 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2.514 | 21.92 | 62.98 | 0.95 | 7.18 | 36.31 | 0.77 | 45.57 |
| 2.519 | 21.92 | 62.98 | 0.99 | 7.17 | 38.5 | 0.79 | 45.57 |
| 2.521 | 21.92 | 62.98 | 0.99 | 7.18 | 36.66 | 0.83 | 45.57 |
| 2.522 | 21.92 | 62.98 | 1.07 | 7.2 | 34.09 | 0.83 | 45.57 |
| 2.525 | 21.92 | 62.98 | 0.95 | 7.2 | 31.7 | 0.9 | 45.57 |
| 2.528 | 21.92 | 62.98 | 1.03 | 7.21 | 34.96 | 0.79 | 45.57 |
| 2.539 | 21.91 | 62.98 | 0.99 | 7.21 | 39.43 | 0.79 | 45.57 |
| 2.558 | 21.91 | 62.98 | 0.88 | 7.21 | 39.22 | 0.84 | 45.57 |
| 2.582 | 21.91 | 62.98 | 0.92 | 7.21 | 31.4 | 0.96 | 45.57 |
| 2.612 | 21.91 | 62.98 | 0.95 | 7.21 | 31.97 | 0.97 | 45.57 |
| 2.638 | 21.91 | 62.97 | 0.95 | 7.21 | 36.17 | 0.97 | 45.57 |
| 2.654 | 21.91 | 62.97 | 0.88 | 7.2 | 36.24 | 0.9 | 45.57 |
| 2.659 | 21.91 | 62.97 | 0.92 | 7.19 | 33.26 | 0.97 | 45.57 |
| 2.66 | 21.91 | 62.97 | 1.03 | 7.2 | 36.2 | 0.89 | 45.57 |
| 2.663 | 21.91 | 62.97 | 0.95 | 7.21 | 32.23 | 0.85 | 45.57 |
| 2.665 | 21.91 | 62.97 | 1.03 | 7.21 | 33.11 | 0.82 | 45.57 |
| 2.684 | 21.91 | 62.97 | 0.99 | 7.21 | 34.4 | 0.85 | 45.57 |
| 2.711 | 21.91 | 62.98 | 0.95 | 7.21 | 34.76 | 0.85 | 45.57 |
| 2.732 | 21.91 | 62.98 | 0.95 | 7.21 | 32.07 | 0.96 | 45.57 |
| 2.752 | 21.91 | 62.98 | 0.88 | 7.22 | 31.94 | 0.92 | 45.57 |
| 2.774 | 21.91 | 62.98 | 1.11 | 7.22 | 30.55 | 0.79 | 45.57 |
| 2.8 | 21.91 | 62.98 | 0.99 | 7.22 | 32.6 | 0.8 | 45.57 |
| 2.829 | 21.91 | 62.98 | 0.95 | 7.21 | 34.37 | 0.8 | 45.57 |
| 2.857 | 21.91 | 62.98 | 1.03 | 7.2 | 33.54 | 0.79 | 45.57 |
| 2.884 | 21.92 | 62.98 | 1.18 | 7.19 | 30.12 | 0.82 | 45.57 |
| 2.903 | 21.92 | 62.98 | 0.99 | 7.18 | 30.32 | 0.85 | 45.57 |
| 2.919 | 21.92 | 62.98 | 0.95 | 7.18 | 33.3 | 0.96 | 45.57 |
| 2.939 | 21.92 | 62.98 | 1.03 | 7.17 | 34.24 | 0.85 | 45.57 |
| 2.966 | 21.92 | 62.98 | 0.95 | 7.16 | 31.64 | 0.78 | 45.57 |
| 2.997 | 21.92 | 62.98 | 0.95 | 7.16 | 30.43 | 0.92 | 45.57 |
| 3.019 | 21.92 | 62.98 | 0.88 | 7.16 | 31.87 | 0.84 | 45.57 |
| 3.037 | 21.92 | 62.98 | 1.07 | 7.17 | 31.21 | 0.86 | 45.57 |
| 3.06 | 21.92 | 62.98 | 0.88 | 7.18 | 30.51 | 0.85 | 45.57 |
| 3.087 | 21.92 | 62.98 | 0.84 | 7.19 | 30.22 | 0.81 | 45.57 |
| 3.116 | 21.92 | 62.98 | 1.14 | 7.2 | 29.12 | 0.85 | 45.57 |
| 3.142 | 21.92 | 62.98 | 1.07 | 7.2 | 28.48 | 0.92 | 45.57 |
| 3.165 | 21.91 | 62.98 | 0.95 | 7.2 | 28.24 | 0.85 | 45.57 |
| 3.181 | 21.91 | 62.98 | 1.11 | 7.2 | 29.06 | 0.79 | 45.57 |
| 3.197 | 21.91 | 62.98 | 0.99 | 7.19 | 30.15 | 0.9 | 45.57 |
| 3.212 | 21.91 | 62.98 | 0.99 | 7.19 | 28.16 | 0.86 | 45.57 |
| 3.297 | 21.91 | 62.98 | 1.11 | 7.19 | 27.3 | 0.85 | 45.57 |
| 3.409 | 21.91 | 62.98 | 1.22 | 7.18 | 25.96 | 0.82 | 45.57 |
| 3.511 | 21.91 | 62.98 | 0.92 | 7.18 | 25.47 | 0.85 | 45.57 |
| 3.58 | 21.92 | 62.98 | 0.99 | 7.17 | 24.86 | 0.81 | 45.57 |
| 3.613 | 21.92 | 62.98 | 0.95 | 7.17 | 24.73 | 0.76 | 45.57 |
| 3.622 | 21.92 | 62.98 | 0.99 | 7.16 | 25.24 | 0.85 | 45.57 |
| 3.635 | 21.92 | 62.98 | 1.11 | 7.17 | 24.57 | 0.79 | 45.57 |
| 3.657 | 21.92 | 62.98 | 1.03 | 7.18 | 24.2 | 0.84 | 45.57 |
| 3.684 | 21.92 | 62.98 | 1.07 | 7.18 | 24.19 | 0.92 | 45.57 |
| 3.711 | 21.92 | 62.98 | 0.95 | 7.19 | 24.0 | 0.8 | 45.57 |
| 3.733 | 21.92 | 62.98 | 0.95 | 7.2 | 24.14 | 0.77 | 45.57 |
| 3.749 | 21.92 | 62.98 | 1.07 | 7.21 | 24.61 | 0.81 | 45.57 |
| 3.769 | 21.92 | 62.99 | 1.14 | 7.22 | 23.96 | 0.85 | 45.57 |
| 3.79 | 21.92 | 62.99 | 0.92 | 7.21 | 24.1 | 0.82 | 45.57 |
| 3.81 | 21.92 | 62.99 | 1.11 | 7.2 | 23.61 | 0.79 | 45.57 |
| 3.832 | 21.92 | 62.99 | 1.07 | 7.19 | 23.86 | 0.88 | 45.57 |
| 3.861 | 21.92 | 62.98 | 1.03 | 7.18 | 23.39 | 0.86 | 45.57 |
| 3.891 | 21.92 | 62.99 | 1.3 | 7.18 | 23.01 | 0.82 | 45.57 |

| 3.907 | 21.92 | 62.99 | 0.92 | 7.18 | 22.94 | 0.83 | 45.57 |
|---|---|---|---|---|---|---|---|
| 3.91 | 21.92 | 62.99 | 0.8 | 7.18 | 23.09 | 0.85 | 45.57 |
| 3.923 | 21.92 | 62.98 | 0.92 | 7.19 | 23.3 | 0.78 | 45.57 |
| 3.949 | 21.92 | 62.98 | 0.99 | 7.2 | 23.52 | 0.79 | 45.57 |
| 3.977 | 21.92 | 62.98 | 0.84 | 7.2 | 23.22 | 0.87 | 45.57 |
| 4.001 | 21.92 | 62.98 | 0.92 | 7.21 | 22.92 | 0.78 | 45.57 |
| 4.021 | 21.92 | 62.98 | 1.11 | 7.21 | 22.77 | 0.78 | 45.57 |
| 4.038 | 21.92 | 62.98 | 0.84 | 7.21 | 22.85 | 0.79 | 45.57 |
| 4.055 | 21.92 | 62.98 | 0.92 | 7.21 | 22.63 | 0.8 | 45.57 |
| 4.078 | 21.92 | 62.99 | 0.95 | 7.21 | 22.4 | 0.87 | 45.57 |
| 4.105 | 21.92 | 62.99 | 0.88 | 7.21 | 22.12 | 0.95 | 45.57 |
| 4.13 | 21.92 | 62.99 | 0.99 | 7.2 | 22.0 | 0.85 | 45.57 |
| 4.151 | 21.92 | 62.99 | 0.95 | 7.2 | 22.43 | 0.84 | 45.57 |
| 4.166 | 21.92 | 62.99 | 0.92 | 7.19 | 22.2 | 0.79 | 45.57 |
| 4.181 | 21.92 | 62.99 | 0.92 | 7.19 | 21.59 | 0.82 | 45.57 |
| 4.2 | 21.92 | 62.99 | 0.88 | 7.19 | 21.18 | 0.77 | 45.57 |
| 4.226 | 21.92 | 62.99 | 1.11 | 7.18 | 21.25 | 0.79 | 45.57 |
| 4.256 | 21.92 | 62.98 | 0.95 | 7.17 | 21.31 | 0.74 | 45.57 |
| 4.279 | 21.92 | 62.99 | 1.14 | 7.17 | 21.1 | 0.76 | 45.57 |
| 4.297 | 21.92 | 62.99 | 0.88 | 7.17 | 21.0 | 0.82 | 45.57 |
| 4.315 | 21.92 | 62.98 | 0.95 | 7.16 | 20.78 | 0.8 | 45.57 |
| 4.334 | 21.92 | 62.98 | 0.95 | 7.15 | 20.94 | 0.76 | 45.57 |
| 4.352 | 21.92 | 62.98 | 0.99 | 7.15 | 21.47 | 0.85 | 45.57 |
| 4.37 | 21.92 | 62.98 | 0.95 | 7.16 | 21.13 | 0.78 | 45.57 |
| 4.395 | 21.92 | 62.98 | 0.92 | 7.17 | 20.37 | 0.76 | 45.57 |
| 4.424 | 21.92 | 62.98 | 1.03 | 7.18 | 20.32 | 0.78 | 45.57 |
| 4.447 | 21.92 | 62.98 | 0.99 | 7.19 | 20.63 | 0.78 | 45.57 |
| 4.463 | 21.92 | 62.98 | 0.8 | 7.19 | 20.82 | 0.73 | 45.57 |
| 4.478 | 21.92 | 62.98 | 0.99 | 7.2 | 20.2 | 0.84 | 45.57 |
| 4.498 | 21.92 | 62.98 | 1.07 | 7.21 | 20.07 | 0.81 | 45.57 |
| 4.521 | 21.92 | 62.98 | 1.18 | 7.21 | 20.07 | 0.8 | 45.57 |
| 4.546 | 21.92 | 62.98 | 0.99 | 7.21 | 20.3 | 0.85 | 45.57 |
| 4.568 | 21.92 | 62.98 | 1.03 | 7.2 | 20.08 | 0.81 | 45.57 |
| 4.587 | 21.92 | 62.98 | 1.11 | 7.2 | 19.79 | 0.82 | 45.57 |
| 4.606 | 21.92 | 62.98 | 0.84 | 7.2 | 19.85 | 0.8 | 45.57 |
| 4.63 | 21.92 | 62.98 | 0.92 | 7.2 | 20.19 | 0.85 | 45.57 |
| 4.653 | 21.92 | 62.98 | 0.92 | 7.19 | 19.69 | 0.79 | 45.57 |
| 4.667 | 21.92 | 62.98 | 0.95 | 7.19 | 19.38 | 0.8 | 45.57 |
| 4.682 | 21.92 | 62.98 | 0.99 | 7.19 | 19.39 | 0.84 | 45.57 |
| 4.704 | 21.91 | 62.98 | 0.99 | 7.19 | 19.38 | 0.84 | 45.57 |
| 4.731 | 21.91 | 62.98 | 0.95 | 7.19 | 19.32 | 0.86 | 45.57 |
| 4.756 | 21.91 | 62.98 | 0.95 | 7.19 | 19.06 | 0.79 | 45.57 |
| 4.778 | 21.91 | 62.98 | 1.07 | 7.2 | 18.88 | 0.75 | 45.57 |
| 4.794 | 21.91 | 62.98 | 0.99 | 7.2 | 18.79 | 0.84 | 45.58 |
| 4.809 | 21.91 | 62.98 | 1.14 | 7.2 | 19.18 | 0.85 | 45.57 |
| 4.825 | 21.92 | 62.99 | 0.92 | 7.2 | 19.19 | 0.9 | 45.58 |
| 4.847 | 21.92 | 62.99 | 0.88 | 7.21 | 18.92 | 0.81 | 45.57 |
| 4.874 | 21.92 | 62.98 | 0.99 | 7.21 | 18.41 | 0.83 | 45.57 |
| 4.901 | 21.92 | 62.98 | 1.07 | 7.21 | 18.58 | 0.9 | 45.57 |
| 4.921 | 21.92 | 62.99 | 0.92 | 7.2 | 18.72 | 0.82 | 45.58 |
| 4.933 | 21.92 | 63.0 | 1.03 | 7.2 | 18.62 | 0.88 | 45.58 |
| 4.948 | 21.92 | 63.01 | 0.92 | 7.2 | 18.1 | 0.78 | 45.59 |
| 4.974 | 21.92 | 63.01 | 1.07 | 7.2 | 17.77 | 0.77 | 45.58 |
| 5.004 | 21.93 | 63.01 | 1.03 | 7.2 | 18.03 | 0.83 | 45.58 |
| 5.025 | 21.93 | 63.01 | 0.99 | 7.2 | 18.43 | 0.93 | 45.58 |
| 5.035 | 21.93 | 63.01 | 1.07 | 7.2 | 17.92 | 0.85 | 45.58 |
| 5.045 | 21.93 | 63.01 | 0.95 | 7.19 | 17.69 | 0.85 | 45.58 |
| 5.065 | 21.93 | 63.01 | 0.92 | 7.19 | 17.52 | 0.81 | 45.58 |

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|---|---|---|---|---|---|---|---|
| 5.096 | 21.93 | 63.0 | 0.95 | 7.19 | 17.58 | 0.77 | 45.57 |
| 5.124 | 21.93 | 63.04 | 0.99 | 7.19 | 17.51 | 0.84 | 45.6 |
| 5.143 | 21.93 | 63.05 | 0.8 | 7.2 | 17.21 | 0.8 | 45.61 |
| 5.158 | 21.94 | 63.06 | 0.88 | 7.2 | 17.02 | 0.91 | 45.61 |
| 5.172 | 21.95 | 63.08 | 0.88 | 7.21 | 17.11 | 0.93 | 45.62 |
| 5.19 | 21.96 | 63.19 | 0.99 | 7.21 | 16.99 | 0.81 | 45.7 |
| 5.214 | 21.98 | 63.37 | 1.07 | 7.19 | 16.82 | 0.77 | 45.83 |
| 5.24 | 22.02 | 63.43 | 0.92 | 7.18 | 16.71 | 0.69 | 45.83 |
| 5.261 | 22.05 | 63.48 | 0.88 | 7.16 | 16.71 | 0.7 | 45.84 |
| 5.275 | 22.08 | 63.51 | 0.95 | 7.14 | 16.78 | 0.67 | 45.83 |
| 5.286 | 22.1 | 63.49 | 1.03 | 7.1 | 16.75 | 0.63 | 45.8 |
| 5.309 | 22.1 | 63.5 | 1.07 | 7.04 | 16.35 | 0.66 | 45.8 |
| 5.339 | 22.11 | 63.52 | 0.88 | 6.97 | 16.2 | 0.62 | 45.81 |
| 5.368 | 22.11 | 63.53 | 1.03 | 6.9 | 16.31 | 0.66 | 45.81 |
| 5.386 | 22.11 | 63.55 | 0.99 | 6.82 | 16.21 | 0.65 | 45.83 |
| 5.396 | 22.12 | 63.55 | 1.03 | 6.75 | 15.98 | 0.73 | 45.82 |
| 5.41 | 22.13 | 63.56 | 1.11 | 6.7 | 16.04 | 0.68 | 45.82 |
| 5.433 | 22.13 | 63.55 | 0.95 | 6.66 | 15.89 | 0.67 | 45.82 |
| 5.457 | 22.13 | 63.56 | 0.99 | 6.65 | 15.8 | 0.69 | 45.82 |
| 5.477 | 22.13 | 63.56 | 0.84 | 6.64 | 15.74 | 0.63 | 45.82 |
| 5.493 | 22.13 | 63.56 | 0.84 | 6.64 | 15.66 | 0.62 | 45.82 |
| 5.509 | 22.13 | 63.56 | 0.84 | 6.65 | 15.66 | 0.65 | 45.82 |
| 5.528 | 22.13 | 63.56 | 0.99 | 6.65 | 15.52 | 0.63 | 45.82 |
| 5.55 | 22.13 | 63.56 | 1.03 | 6.65 | 15.4 | 0.65 | 45.82 |
| 5.574 | 22.13 | 63.57 | 0.92 | 6.66 | 15.34 | 0.65 | 45.82 |
| 5.593 | 22.13 | 63.57 | 0.92 | 6.66 | 15.18 | 0.62 | 45.82 |
| 5.609 | 22.13 | 63.57 | 1.11 | 6.67 | 15.25 | 0.66 | 45.82 |
| 5.621 | 22.13 | 63.57 | 1.03 | 6.68 | 15.21 | 0.61 | 45.82 |
| 5.637 | 22.13 | 63.57 | 0.99 | 6.68 | 15.18 | 0.67 | 45.82 |
| 5.659 | 22.13 | 63.57 | 1.03 | 6.68 | 15.1 | 0.64 | 45.82 |
| 5.679 | 22.13 | 63.57 | 0.99 | 6.68 | 15.12 | 0.65 | 45.82 |
| 5.699 | 22.13 | 63.57 | 1.14 | 6.68 | 15.02 | 0.66 | 45.82 |
| 5.716 | 22.13 | 63.57 | 1.03 | 6.69 | 14.94 | 0.64 | 45.82 |
| 5.732 | 22.13 | 63.57 | 1.03 | 6.69 | 14.94 | 0.68 | 45.82 |
| 5.747 | 22.14 | 63.57 | 1.03 | 6.69 | 14.9 | 0.68 | 45.82 |
| 5.764 | 22.14 | 63.57 | 0.92 | 6.69 | 14.81 | 0.62 | 45.82 |
| 5.784 | 22.14 | 63.57 | 0.95 | 6.7 | 14.64 | 0.66 | 45.82 |
| 5.809 | 22.14 | 63.57 | 0.92 | 6.7 | 14.53 | 0.69 | 45.82 |
| 5.831 | 22.14 | 63.57 | 0.92 | 6.69 | 14.65 | 0.67 | 45.82 |
| 5.847 | 22.14 | 63.57 | 0.99 | 6.68 | 14.72 | 0.66 | 45.82 |
| 5.859 | 22.14 | 63.57 | 0.92 | 6.68 | 14.67 | 0.66 | 45.82 |
| 5.873 | 22.14 | 63.57 | 1.11 | 6.68 | 14.58 | 0.68 | 45.82 |
| 5.89 | 22.14 | 63.57 | 1.11 | 6.68 | 14.59 | 0.64 | 45.82 |
| 5.909 | 22.14 | 63.57 | 1.14 | 6.67 | 14.56 | 0.63 | 45.82 |
| 5.927 | 22.14 | 63.57 | 0.99 | 6.67 | 14.41 | 0.62 | 45.82 |
| 5.946 | 22.14 | 63.57 | 0.84 | 6.67 | 14.33 | 0.69 | 45.82 |
| 5.962 | 22.14 | 63.57 | 0.92 | 6.68 | 14.25 | 0.65 | 45.82 |
| 5.981 | 22.14 | 63.57 | 0.92 | 6.68 | 14.25 | 0.64 | 45.82 |
| 6.001 | 22.14 | 63.57 | 1.03 | 6.68 | 14.21 | 0.66 | 45.82 |
| 6.02 | 22.14 | 63.57 | 0.92 | 6.68 | 14.12 | 0.66 | 45.82 |
| 6.038 | 22.14 | 63.57 | 0.99 | 6.68 | 14.1 | 0.72 | 45.82 |
| 6.058 | 22.14 | 63.57 | 0.99 | 6.69 | 14.02 | 0.69 | 45.82 |
| 6.078 | 22.14 | 63.57 | 0.92 | 6.69 | 14.04 | 0.66 | 45.82 |
| 6.091 | 22.14 | 63.58 | 0.84 | 6.69 | 14.01 | 0.68 | 45.82 |
| 6.099 | 22.14 | 63.58 | 0.99 | 6.68 | 13.94 | 0.65 | 45.83 |
| 6.114 | 22.14 | 63.58 | 0.92 | 6.68 | 13.76 | 0.71 | 45.82 |
| 6.132 | 22.14 | 63.58 | 1.07 | 6.69 | 13.77 | 0.83 | 45.82 |
| 6.14 | 22.14 | 63.57 | 0.95 | 6.68 | 13.83 | 0.73 | 45.82 |

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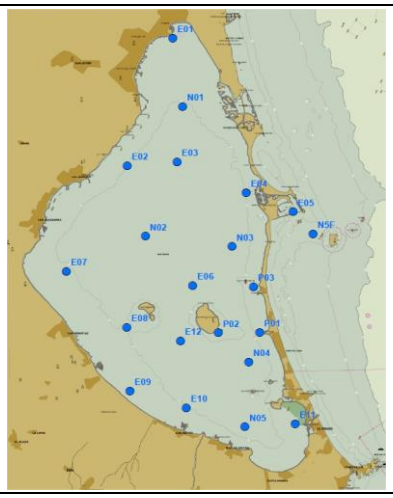
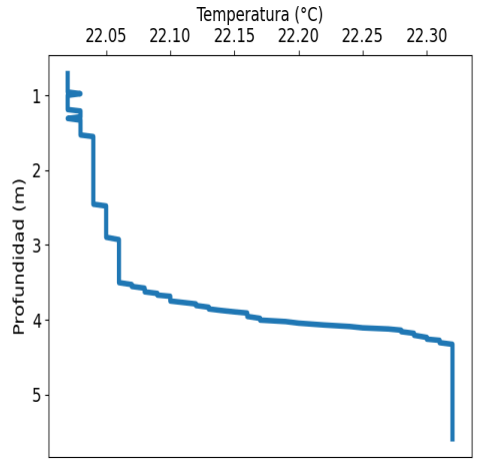
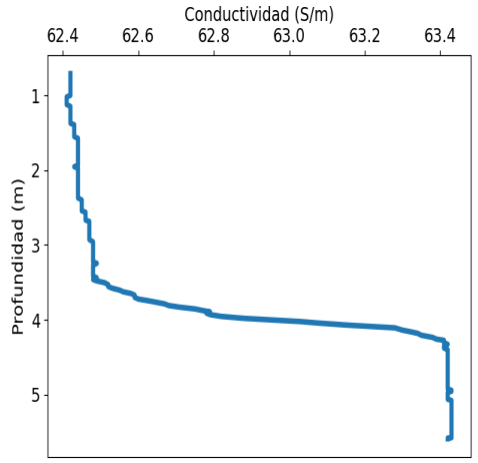
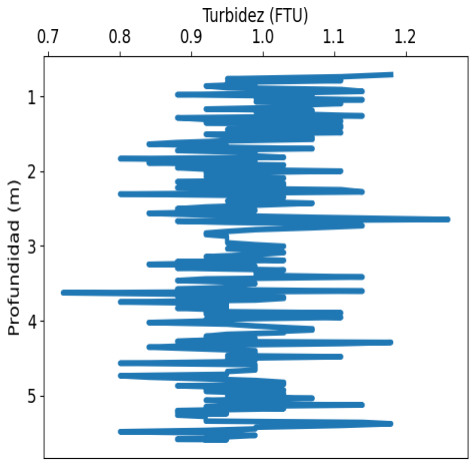
|---|---|---|---|---|---|---|---|
| 6.143 | 22.14 | 63.56 | 1.03 | 6.67 | 13.77 | 0.76 | 45.81 |
| 6.146 | 22.13 | 63.53 | 1.03 | 6.66 | 13.73 | 0.73 | 45.79 |
| 6.15 | 22.13 | 63.53 | 0.99 | 6.66 | 13.68 | 0.71 | 45.8 |
| 6.151 | 22.12 | 63.54 | 0.99 | 6.66 | 13.71 | 0.76 | 45.81 |

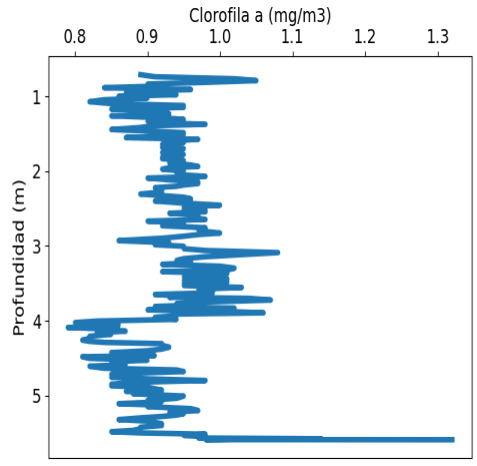
**Nombre: CTD E02 - Punto 003** **Fecha: 22/10/2024** **Hora: 09:10:11**

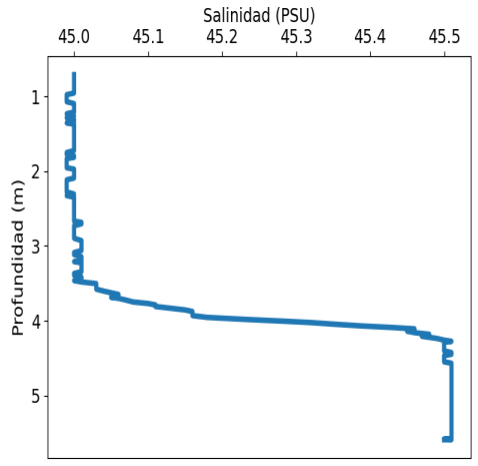


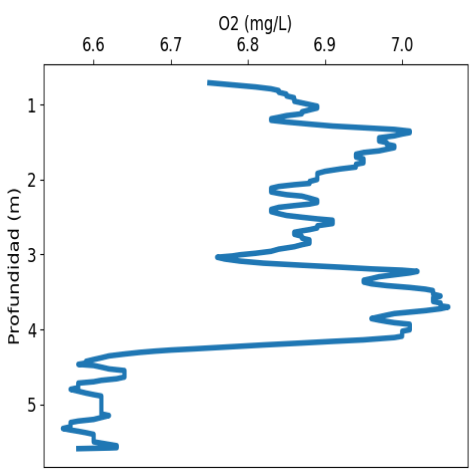



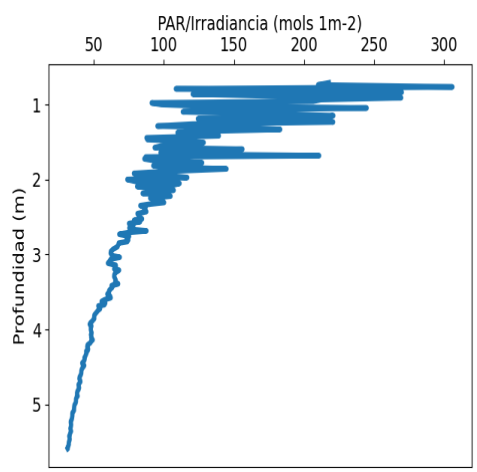




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 22.02 | 62.41 | 0.72 | 6.56 | 31.44 | 0.79 | 44.99 |
| **PROF (metros)** | 0.709 | 1.021 | 3.627 | 5.323 | 5.579 | 4.091 | 0.977 |
| **MÁXIMO** | 22.32 | 22.32 | 1.26 | 7.06 | 305.93 | 1.32 | 45.51 |
| **PROF (metros)** | 4.329 | 4.944 | 2.646 | 3.701 | 0.764 | 5.592 | 4.276 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E02 - Punto 003 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 22.02 | 62.42 | 1.03 | 6.84 | 194.01 | 0.92 | 45.0 |
| 1 - 2m | 22.03 | 62.43 | 0.99 | 6.93 | 129.6 | 0.92 | 45.0 |
| 2 - 3m | 22.05 | 62.45 | 0.98 | 6.86 | 83.12 | 0.94 | 45.0 |
| 3 - 4m | 22.09 | 62.57 | 0.96 | 6.97 | 58.9 | 0.97 | 45.05 |
| 4 - 5m | 22.3 | 63.37 | 0.97 | 6.7 | 42.66 | 0.87 | 45.48 |
| 5 - 6m | 22.32 | 63.43 | 0.96 | 6.6 | 33.47 | 0.94 | 45.51 |

| 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 | 22.02 | 62.42 | 1.18 | 6.75 | 217.75 | 0.89 | 45.0 |
| 0.737 | 22.02 | 62.42 | 1.11 | 6.78 | 210.01 | 0.91 | 45.0 |
| 0.764 | 22.02 | 62.42 | 0.95 | 6.81 | 305.93 | 1.02 | 45.0 |
| 0.789 | 22.02 | 62.42 | 1.11 | 6.83 | 108.53 | 1.05 | 45.0 |
| 0.812 | 22.02 | 62.42 | 0.95 | 6.84 | 235.38 | 0.98 | 45.0 |
| 0.835 | 22.02 | 62.42 | 0.99 | 6.84 | 269.81 | 0.9 | 45.0 |
| 0.86 | 22.02 | 62.42 | 0.92 | 6.85 | 120.61 | 0.92 | 45.0 |
| 0.884 | 22.02 | 62.42 | 0.95 | 6.85 | 176.3 | 0.84 | 45.0 |
| 0.908 | 22.02 | 62.42 | 1.11 | 6.86 | 269.37 | 0.96 | 45.0 |
| 0.933 | 22.02 | 62.42 | 1.14 | 6.86 | 212.12 | 0.88 | 45.0 |
| 0.955 | 22.02 | 62.42 | 1.03 | 6.86 | 206.63 | 0.87 | 45.0 |
| 0.977 | 22.03 | 62.42 | 0.88 | 6.87 | 91.32 | 0.94 | 44.99 |
| 0.999 | 22.02 | 62.42 | 1.07 | 6.88 | 98.4 | 0.86 | 44.99 |
| 1.021 | 22.02 | 62.41 | 0.99 | 6.89 | 130.22 | 0.9 | 44.99 |
| 1.045 | 22.02 | 62.41 | 1.14 | 6.89 | 244.78 | 0.84 | 44.99 |
| 1.071 | 22.02 | 62.41 | 0.99 | 6.88 | 145.04 | 0.82 | 44.99 |
| 1.096 | 22.02 | 62.41 | 1.11 | 6.87 | 113.55 | 0.85 | 45.0 |
| 1.122 | 22.02 | 62.41 | 1.03 | 6.87 | 174.03 | 0.95 | 45.0 |
| 1.147 | 22.02 | 62.42 | 1.03 | 6.85 | 221.0 | 0.95 | 45.0 |
| 1.169 | 22.02 | 62.42 | 0.92 | 6.84 | 214.64 | 0.85 | 45.0 |
| 1.189 | 22.02 | 62.42 | 1.07 | 6.83 | 124.3 | 0.91 | 45.0 |
| 1.209 | 22.03 | 62.42 | 0.99 | 6.83 | 215.84 | 0.92 | 45.0 |
| 1.232 | 22.03 | 62.42 | 1.03 | 6.85 | 220.85 | 0.93 | 44.99 |
| 1.26 | 22.03 | 62.42 | 1.14 | 6.88 | 120.33 | 0.85 | 45.0 |
| 1.286 | 22.03 | 62.42 | 0.88 | 6.91 | 95.41 | 0.92 | 44.99 |
| 1.308 | 22.02 | 62.42 | 0.92 | 6.95 | 149.83 | 0.95 | 45.0 |
| 1.331 | 22.03 | 62.42 | 1.11 | 6.99 | 183.09 | 0.9 | 45.0 |
| 1.354 | 22.03 | 62.42 | 0.92 | 7.01 | 131.68 | 0.92 | 44.99 |
| 1.373 | 22.03 | 62.42 | 1.03 | 7.01 | 109.77 | 0.98 | 45.0 |
| 1.392 | 22.03 | 62.43 | 1.11 | 7.0 | 137.67 | 0.91 | 45.0 |
| 1.416 | 22.03 | 62.43 | 1.11 | 6.99 | 139.34 | 0.89 | 45.0 |
| 1.443 | 22.03 | 62.43 | 0.95 | 6.97 | 87.65 | 0.85 | 45.0 |
| 1.467 | 22.03 | 62.43 | 1.07 | 6.97 | 88.35 | 0.91 | 45.0 |
| 1.485 | 22.03 | 62.43 | 1.11 | 6.97 | 112.82 | 0.95 | 45.0 |
| 1.506 | 22.03 | 62.43 | 0.92 | 6.98 | 128.54 | 0.95 | 45.0 |
| 1.529 | 22.03 | 62.43 | 0.95 | 6.98 | 123.75 | 0.93 | 45.0 |

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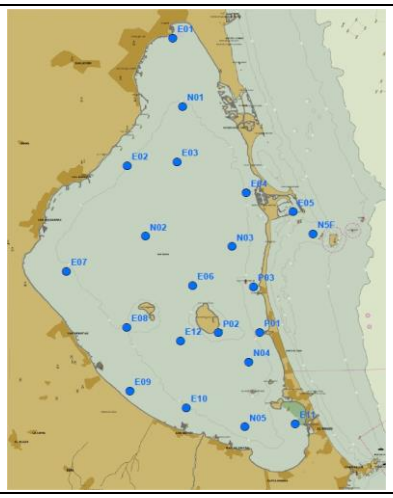
|---|---|---|---|---|---|---|---|
| 1.551 | 22.04 | 62.43 | 1.07 | 6.99 | 98.06 | 0.87 | 45.0 |
| 1.574 | 22.04 | 62.44 | 1.07 | 6.99 | 93.42 | 0.97 | 45.0 |
| 1.595 | 22.04 | 62.44 | 0.95 | 6.98 | 156.17 | 0.93 | 45.0 |
| 1.617 | 22.04 | 62.44 | 0.88 | 6.97 | 114.24 | 0.95 | 45.0 |
| 1.639 | 22.04 | 62.44 | 0.84 | 6.95 | 97.6 | 0.92 | 45.0 |
| 1.662 | 22.04 | 62.44 | 0.95 | 6.94 | 114.45 | 0.93 | 45.0 |
| 1.681 | 22.04 | 62.44 | 0.95 | 6.94 | 210.89 | 0.92 | 45.0 |
| 1.699 | 22.04 | 62.44 | 1.07 | 6.94 | 87.1 | 0.95 | 45.0 |
| 1.724 | 22.04 | 62.44 | 0.88 | 6.95 | 86.12 | 0.93 | 45.0 |
| 1.751 | 22.04 | 62.44 | 0.99 | 6.95 | 94.77 | 0.92 | 44.99 |
| 1.776 | 22.04 | 62.44 | 0.99 | 6.95 | 127.39 | 0.95 | 44.99 |
| 1.796 | 22.04 | 62.44 | 0.99 | 6.94 | 101.5 | 0.93 | 45.0 |
| 1.815 | 22.04 | 62.44 | 1.03 | 6.94 | 92.47 | 0.92 | 45.0 |
| 1.833 | 22.04 | 62.44 | 0.8 | 6.94 | 100.64 | 0.92 | 44.99 |
| 1.858 | 22.04 | 62.44 | 0.99 | 6.92 | 144.77 | 0.95 | 44.99 |
| 1.89 | 22.04 | 62.44 | 0.84 | 6.9 | 102.66 | 0.93 | 44.99 |
| 1.918 | 22.04 | 62.44 | 1.03 | 6.89 | 78.66 | 0.96 | 44.99 |
| 1.937 | 22.04 | 62.44 | 0.92 | 6.89 | 92.69 | 0.97 | 44.99 |
| 1.954 | 22.04 | 62.43 | 0.88 | 6.89 | 105.8 | 0.93 | 44.99 |
| 1.973 | 22.04 | 62.44 | 0.92 | 6.89 | 116.76 | 0.92 | 45.0 |
| 1.999 | 22.04 | 62.44 | 1.11 | 6.89 | 73.92 | 0.95 | 45.0 |
| 2.026 | 22.04 | 62.44 | 0.92 | 6.88 | 80.08 | 0.94 | 45.0 |
| 2.051 | 22.04 | 62.44 | 0.99 | 6.88 | 111.34 | 0.95 | 45.0 |
| 2.069 | 22.04 | 62.44 | 0.92 | 6.86 | 107.66 | 0.98 | 45.0 |
| 2.092 | 22.04 | 62.44 | 1.03 | 6.84 | 80.94 | 0.9 | 45.0 |
| 2.116 | 22.04 | 62.44 | 0.99 | 6.83 | 90.33 | 0.93 | 44.99 |
| 2.142 | 22.04 | 62.44 | 0.88 | 6.83 | 107.14 | 0.97 | 44.99 |
| 2.165 | 22.04 | 62.44 | 1.03 | 6.83 | 97.54 | 0.97 | 44.99 |
| 2.185 | 22.04 | 62.44 | 0.95 | 6.84 | 84.85 | 0.95 | 44.99 |
| 2.202 | 22.04 | 62.44 | 1.03 | 6.85 | 100.17 | 0.94 | 44.99 |
| 2.221 | 22.04 | 62.44 | 0.88 | 6.87 | 104.9 | 0.91 | 44.99 |
| 2.248 | 22.04 | 62.44 | 1.11 | 6.88 | 90.25 | 0.92 | 44.99 |
| 2.278 | 22.04 | 62.44 | 1.14 | 6.89 | 98.51 | 0.92 | 44.99 |
| 2.306 | 22.04 | 62.44 | 0.8 | 6.89 | 100.29 | 0.89 | 45.0 |
| 2.327 | 22.04 | 62.44 | 0.99 | 6.88 | 90.61 | 0.92 | 44.99 |
| 2.348 | 22.04 | 62.44 | 1.03 | 6.86 | 83.24 | 0.95 | 45.0 |
| 2.371 | 22.04 | 62.44 | 0.99 | 6.84 | 87.1 | 0.96 | 45.0 |
| 2.399 | 22.04 | 62.45 | 0.95 | 6.83 | 86.04 | 0.91 | 45.0 |
| 2.428 | 22.04 | 62.45 | 1.07 | 6.83 | 87.61 | 0.95 | 45.0 |
| 2.455 | 22.04 | 62.45 | 0.99 | 6.84 | 81.24 | 1.0 | 45.0 |
| 2.479 | 22.05 | 62.45 | 0.92 | 6.85 | 81.99 | 0.95 | 45.0 |
| 2.503 | 22.05 | 62.45 | 0.88 | 6.87 | 82.85 | 0.95 | 45.0 |
| 2.525 | 22.05 | 62.45 | 0.99 | 6.89 | 84.54 | 0.98 | 45.0 |
| 2.543 | 22.05 | 62.45 | 0.95 | 6.91 | 78.75 | 0.98 | 45.0 |
| 2.563 | 22.05 | 62.46 | 0.84 | 6.91 | 83.16 | 0.93 | 45.0 |
| 2.587 | 22.05 | 62.46 | 0.92 | 6.91 | 75.17 | 0.97 | 45.0 |
| 2.617 | 22.05 | 62.46 | 1.07 | 6.89 | 78.31 | 0.96 | 45.0 |
| 2.646 | 22.05 | 62.46 | 1.26 | 6.89 | 75.38 | 0.98 | 45.0 |
| 2.668 | 22.05 | 62.46 | 0.88 | 6.88 | 78.06 | 0.9 | 45.0 |
| 2.685 | 22.05 | 62.47 | 0.95 | 6.87 | 87.69 | 0.94 | 45.01 |
| 2.704 | 22.05 | 62.47 | 1.11 | 6.86 | 75.9 | 0.95 | 45.01 |
| 2.73 | 22.05 | 62.47 | 1.14 | 6.86 | 68.23 | 0.92 | 45.0 |
| 2.757 | 22.05 | 62.47 | 1.07 | 6.87 | 75.29 | 0.98 | 45.0 |
| 2.782 | 22.05 | 62.47 | 0.99 | 6.87 | 73.51 | 0.97 | 45.0 |
| 2.806 | 22.05 | 62.47 | 0.95 | 6.88 | 74.75 | 0.98 | 45.0 |
| 2.828 | 22.05 | 62.47 | 0.92 | 6.88 | 73.97 | 1.0 | 45.0 |
| 2.848 | 22.05 | 62.47 | 0.92 | 6.88 | 67.88 | 0.97 | 45.0 |
| 2.87 | 22.05 | 62.47 | 0.95 | 6.87 | 67.53 | 0.95 | 45.0 |

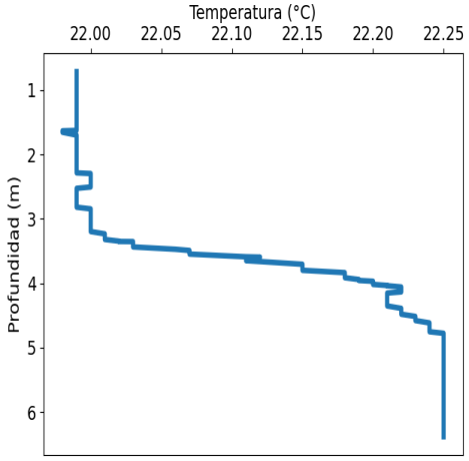
| 2.897 | 22.05 | 62.47 | 0.95 | 6.86 | 66.94 | 0.92 | 45.0 |
|---|---|---|---|---|---|---|---|
| 2.929 | 22.06 | 62.47 | 0.95 | 6.84 | 63.94 | 0.86 | 45.01 |
| 2.958 | 22.06 | 62.48 | 0.95 | 6.83 | 62.29 | 0.93 | 45.01 |
| 2.984 | 22.06 | 62.48 | 0.99 | 6.81 | 62.1 | 0.91 | 45.01 |
| 3.004 | 22.06 | 62.48 | 1.03 | 6.79 | 62.84 | 0.95 | 45.01 |
| 3.02 | 22.06 | 62.48 | 0.99 | 6.78 | 64.03 | 0.95 | 45.01 |
| 3.037 | 22.06 | 62.48 | 0.95 | 6.76 | 68.65 | 0.95 | 45.01 |
| 3.061 | 22.06 | 62.48 | 0.99 | 6.77 | 62.29 | 0.98 | 45.01 |
| 3.089 | 22.06 | 62.48 | 1.03 | 6.79 | 61.34 | 1.08 | 45.0 |
| 3.116 | 22.06 | 62.48 | 0.99 | 6.82 | 60.13 | 1.03 | 45.0 |
| 3.144 | 22.06 | 62.48 | 0.92 | 6.87 | 65.82 | 0.98 | 45.01 |
| 3.17 | 22.06 | 62.48 | 0.95 | 6.92 | 65.86 | 0.95 | 45.01 |
| 3.193 | 22.06 | 62.48 | 1.03 | 6.96 | 64.59 | 0.94 | 45.01 |
| 3.21 | 22.06 | 62.48 | 0.88 | 7.0 | 68.18 | 0.96 | 45.0 |
| 3.226 | 22.06 | 62.48 | 0.95 | 7.02 | 66.91 | 0.96 | 45.01 |
| 3.246 | 22.06 | 62.49 | 0.84 | 7.01 | 65.3 | 0.92 | 45.01 |
| 3.271 | 22.06 | 62.48 | 0.99 | 6.99 | 64.7 | 1.0 | 45.01 |
| 3.297 | 22.06 | 62.48 | 0.88 | 6.97 | 64.61 | 1.02 | 45.01 |
| 3.322 | 22.06 | 62.48 | 1.03 | 6.96 | 65.23 | 1.01 | 45.01 |
| 3.344 | 22.06 | 62.48 | 0.99 | 6.95 | 65.8 | 0.92 | 45.01 |
| 3.368 | 22.06 | 62.48 | 0.99 | 6.95 | 65.21 | 1.01 | 45.0 |
| 3.392 | 22.06 | 62.48 | 0.99 | 6.96 | 67.52 | 0.98 | 45.0 |
| 3.416 | 22.06 | 62.48 | 1.14 | 6.98 | 62.71 | 0.95 | 45.01 |
| 3.441 | 22.06 | 62.49 | 0.92 | 7.01 | 63.22 | 1.01 | 45.01 |
| 3.463 | 22.06 | 62.48 | 0.88 | 7.03 | 61.91 | 0.95 | 45.0 |
| 3.482 | 22.06 | 62.49 | 0.95 | 7.04 | 60.99 | 1.01 | 45.01 |
| 3.504 | 22.06 | 62.51 | 0.99 | 7.04 | 60.96 | 0.95 | 45.03 |
| 3.53 | 22.07 | 62.52 | 0.95 | 7.04 | 59.71 | 0.95 | 45.03 |
| 3.555 | 22.07 | 62.52 | 0.95 | 7.05 | 61.73 | 1.03 | 45.03 |
| 3.578 | 22.08 | 62.53 | 0.88 | 7.04 | 62.16 | 0.97 | 45.03 |
| 3.604 | 22.08 | 62.55 | 1.14 | 7.04 | 57.87 | 0.99 | 45.04 |
| 3.627 | 22.08 | 62.56 | 0.72 | 7.04 | 55.65 | 0.99 | 45.05 |
| 3.649 | 22.09 | 62.58 | 0.92 | 7.05 | 58.28 | 0.91 | 45.06 |
| 3.671 | 22.09 | 62.59 | 0.88 | 7.05 | 57.66 | 0.95 | 45.06 |
| 3.687 | 22.1 | 62.59 | 1.03 | 7.05 | 53.29 | 0.93 | 45.05 |
| 3.701 | 22.1 | 62.59 | 1.03 | 7.06 | 53.58 | 1.04 | 45.06 |
| 3.724 | 22.1 | 62.6 | 0.99 | 7.05 | 54.62 | 1.07 | 45.07 |
| 3.75 | 22.1 | 62.63 | 0.8 | 7.03 | 52.97 | 0.98 | 45.08 |
| 3.77 | 22.11 | 62.65 | 0.95 | 7.01 | 52.11 | 0.94 | 45.1 |
| 3.789 | 22.12 | 62.67 | 0.92 | 6.99 | 51.32 | 0.97 | 45.11 |
| 3.81 | 22.12 | 62.68 | 0.95 | 6.98 | 50.45 | 0.91 | 45.11 |
| 3.833 | 22.13 | 62.71 | 0.88 | 6.97 | 50.29 | 1.02 | 45.13 |
| 3.856 | 22.13 | 62.75 | 0.95 | 6.96 | 50.49 | 0.9 | 45.15 |
| 3.877 | 22.14 | 62.77 | 0.92 | 6.97 | 49.48 | 1.01 | 45.16 |
| 3.895 | 22.15 | 62.79 | 1.11 | 6.98 | 48.83 | 1.06 | 45.16 |
| 3.911 | 22.16 | 62.78 | 0.92 | 6.99 | 47.72 | 0.94 | 45.16 |
| 3.932 | 22.16 | 62.79 | 1.03 | 7.01 | 47.15 | 0.94 | 45.16 |
| 3.956 | 22.16 | 62.82 | 1.11 | 7.01 | 48.43 | 0.91 | 45.18 |
| 3.982 | 22.17 | 62.88 | 0.92 | 7.01 | 47.94 | 0.94 | 45.23 |
| 4.005 | 22.17 | 62.96 | 0.92 | 7.01 | 47.92 | 0.83 | 45.28 |
| 4.025 | 22.19 | 63.03 | 0.84 | 7.0 | 48.18 | 0.8 | 45.32 |
| 4.046 | 22.2 | 63.08 | 0.95 | 7.0 | 48.58 | 0.86 | 45.35 |
| 4.071 | 22.22 | 63.15 | 0.99 | 7.0 | 47.96 | 0.86 | 45.39 |
| 4.091 | 22.24 | 63.22 | 1.03 | 7.0 | 48.36 | 0.79 | 45.43 |
| 4.109 | 22.25 | 63.28 | 1.07 | 6.99 | 48.16 | 0.84 | 45.46 |
| 4.124 | 22.27 | 63.29 | 1.07 | 6.97 | 48.52 | 0.85 | 45.46 |
| 4.14 | 22.28 | 63.3 | 1.03 | 6.95 | 49.34 | 0.87 | 45.45 |
| 4.16 | 22.28 | 63.32 | 1.03 | 6.91 | 48.21 | 0.83 | 45.46 |

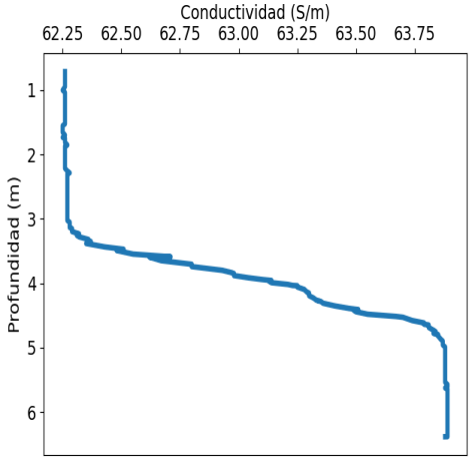
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4.182 | 22.29 | 63.34 | 0.95 | 6.87 | 47.51 | 0.85 | 45.48 |
| 4.208 | 22.29 | 63.35 | 0.92 | 6.82 | 45.62 | 0.82 | 45.47 |
| 4.237 | 22.3 | 63.38 | 0.99 | 6.77 | 45.38 | 0.82 | 45.49 |
| 4.26 | 22.3 | 63.39 | 0.92 | 6.73 | 46.07 | 0.81 | 45.5 |
| 4.276 | 22.31 | 63.41 | 0.88 | 6.7 | 45.95 | 0.82 | 45.51 |
| 4.29 | 22.31 | 63.41 | 1.18 | 6.68 | 44.63 | 0.84 | 45.5 |
| 4.307 | 22.31 | 63.41 | 1.11 | 6.66 | 45.03 | 0.92 | 45.5 |
| 4.329 | 22.32 | 63.42 | 0.92 | 6.64 | 44.65 | 0.92 | 45.5 |
| 4.354 | 22.32 | 63.41 | 0.84 | 6.62 | 44.1 | 0.93 | 45.5 |
| 4.379 | 22.32 | 63.41 | 0.92 | 6.61 | 43.37 | 0.92 | 45.5 |
| 4.402 | 22.32 | 63.42 | 0.99 | 6.6 | 43.53 | 0.9 | 45.5 |
| 4.427 | 22.32 | 63.42 | 0.99 | 6.59 | 42.97 | 0.85 | 45.51 |
| 4.449 | 22.32 | 63.42 | 0.99 | 6.59 | 41.76 | 0.89 | 45.51 |
| 4.467 | 22.32 | 63.42 | 0.95 | 6.58 | 42.08 | 0.91 | 45.5 |
| 4.482 | 22.32 | 63.42 | 1.11 | 6.6 | 43.27 | 0.81 | 45.5 |
| 4.504 | 22.32 | 63.42 | 0.95 | 6.61 | 42.5 | 0.82 | 45.5 |
| 4.528 | 22.32 | 63.42 | 0.99 | 6.62 | 41.54 | 0.9 | 45.5 |
| 4.55 | 22.32 | 63.42 | 0.95 | 6.64 | 41.22 | 0.85 | 45.5 |
| 4.569 | 22.32 | 63.42 | 0.8 | 6.64 | 41.18 | 0.86 | 45.51 |
| 4.588 | 22.32 | 63.42 | 0.99 | 6.64 | 41.12 | 0.87 | 45.51 |
| 4.609 | 22.32 | 63.42 | 0.99 | 6.64 | 40.73 | 0.82 | 45.51 |
| 4.636 | 22.32 | 63.42 | 0.99 | 6.64 | 39.97 | 0.84 | 45.51 |
| 4.659 | 22.32 | 63.42 | 0.99 | 6.63 | 39.75 | 0.94 | 45.51 |
| 4.68 | 22.32 | 63.42 | 0.95 | 6.61 | 40.38 | 0.95 | 45.51 |
| 4.699 | 22.32 | 63.42 | 0.95 | 6.6 | 40.56 | 0.89 | 45.51 |
| 4.717 | 22.32 | 63.42 | 0.95 | 6.58 | 39.84 | 0.85 | 45.51 |
| 4.736 | 22.32 | 63.42 | 0.8 | 6.58 | 39.16 | 0.89 | 45.51 |
| 4.756 | 22.32 | 63.42 | 0.84 | 6.58 | 39.27 | 0.85 | 45.51 |
| 4.778 | 22.32 | 63.42 | 0.92 | 6.58 | 39.63 | 0.9 | 45.51 |
| 4.8 | 22.32 | 63.42 | 0.99 | 6.57 | 39.28 | 0.98 | 45.51 |
| 4.825 | 22.32 | 63.42 | 1.03 | 6.58 | 38.42 | 0.88 | 45.51 |
| 4.85 | 22.32 | 63.42 | 1.03 | 6.59 | 38.13 | 0.85 | 45.51 |
| 4.871 | 22.32 | 63.42 | 0.88 | 6.6 | 38.2 | 0.85 | 45.51 |
| 4.89 | 22.32 | 63.42 | 0.95 | 6.61 | 38.59 | 0.9 | 45.51 |
| 4.909 | 22.32 | 63.42 | 0.92 | 6.61 | 37.74 | 0.91 | 45.51 |
| 4.929 | 22.32 | 63.42 | 1.03 | 6.61 | 37.34 | 0.92 | 45.51 |
| 4.944 | 22.32 | 63.43 | 0.92 | 6.61 | 37.34 | 0.87 | 45.51 |
| 4.957 | 22.32 | 63.43 | 0.95 | 6.61 | 37.42 | 0.9 | 45.51 |
| 4.977 | 22.32 | 63.42 | 1.03 | 6.61 | 37.23 | 0.88 | 45.51 |
| 5.008 | 22.32 | 63.42 | 0.95 | 6.61 | 36.3 | 0.95 | 45.51 |
| 5.038 | 22.32 | 63.42 | 1.07 | 6.61 | 36.08 | 0.94 | 45.51 |
| 5.064 | 22.32 | 63.42 | 0.92 | 6.61 | 35.99 | 0.9 | 45.51 |
| 5.08 | 22.32 | 63.43 | 0.95 | 6.61 | 36.0 | 0.92 | 45.51 |
| 5.093 | 22.32 | 63.43 | 1.03 | 6.61 | 35.64 | 0.9 | 45.51 |
| 5.11 | 22.32 | 63.43 | 0.95 | 6.61 | 34.89 | 0.86 | 45.51 |
| 5.128 | 22.32 | 63.43 | 1.14 | 6.61 | 34.74 | 0.91 | 45.51 |
| 5.15 | 22.32 | 63.43 | 0.92 | 6.62 | 34.81 | 0.9 | 45.51 |
| 5.176 | 22.32 | 63.43 | 1.03 | 6.61 | 34.57 | 0.96 | 45.51 |
| 5.202 | 22.32 | 63.43 | 0.88 | 6.6 | 34.37 | 0.97 | 45.51 |
| 5.224 | 22.32 | 63.43 | 0.88 | 6.58 | 33.7 | 0.93 | 45.51 |
| 5.243 | 22.32 | 63.43 | 0.95 | 6.57 | 33.62 | 0.95 | 45.51 |
| 5.263 | 22.32 | 63.43 | 0.88 | 6.57 | 33.91 | 0.94 | 45.51 |
| 5.281 | 22.32 | 63.43 | 0.92 | 6.57 | 33.87 | 0.92 | 45.51 |
| 5.3 | 22.32 | 63.43 | 0.92 | 6.57 | 33.72 | 0.89 | 45.51 |
| 5.323 | 22.32 | 63.43 | 0.92 | 6.56 | 33.32 | 0.86 | 45.51 |
| 5.343 | 22.32 | 63.43 | 0.92 | 6.57 | 33.61 | 0.9 | 45.51 |
| 5.36 | 22.32 | 63.43 | 1.14 | 6.58 | 33.9 | 0.91 | 45.51 |
| 5.379 | 22.32 | 63.43 | 1.18 | 6.59 | 33.36 | 0.92 | 45.51 |

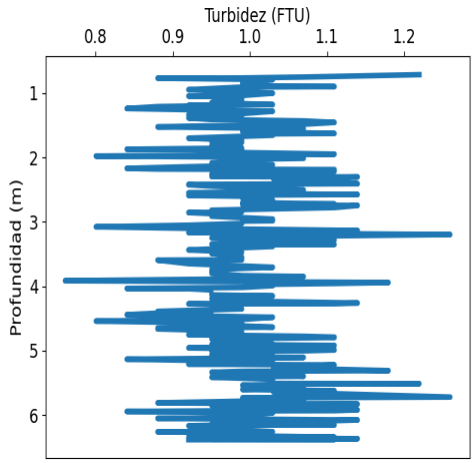
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5.401 | 22.32 | 63.43 | 1.11 | 6.6 | 33.03 | 0.92 | 45.51 |
| 5.425 | 22.32 | 63.43 | 0.99 | 6.6 | 32.54 | 0.89 | 45.51 |
| 5.447 | 22.32 | 63.43 | 0.99 | 6.6 | 32.78 | 0.89 | 45.51 |
| 5.467 | 22.32 | 63.43 | 0.92 | 6.6 | 32.92 | 0.88 | 45.51 |
| 5.485 | 22.32 | 63.43 | 0.8 | 6.6 | 32.66 | 0.85 | 45.51 |
| 5.501 | 22.32 | 63.43 | 0.92 | 6.6 | 32.34 | 0.89 | 45.51 |
| 5.518 | 22.32 | 63.43 | 0.95 | 6.61 | 32.23 | 0.98 | 45.51 |
| 5.534 | 22.32 | 63.43 | 0.99 | 6.62 | 32.29 | 0.95 | 45.51 |
| 5.553 | 22.32 | 63.43 | 0.95 | 6.63 | 31.97 | 0.98 | 45.51 |
| 5.569 | 22.32 | 63.43 | 0.92 | 6.63 | 31.51 | 0.97 | 45.51 |
| 5.579 | 22.32 | 63.43 | 0.95 | 6.63 | 31.44 | 1.14 | 45.51 |
| 5.583 | 22.32 | 63.42 | 0.88 | 6.62 | 31.45 | 1.02 | 45.5 |
| 5.588 | 22.32 | 63.42 | 0.88 | 6.6 | 31.52 | 1.0 | 45.51 |
| 5.591 | 22.32 | 63.42 | 0.95 | 6.59 | 31.56 | 0.98 | 45.51 |
| 5.592 | 22.32 | 63.42 | 0.92 | 6.58 | 31.5 | 1.32 | 45.5 |

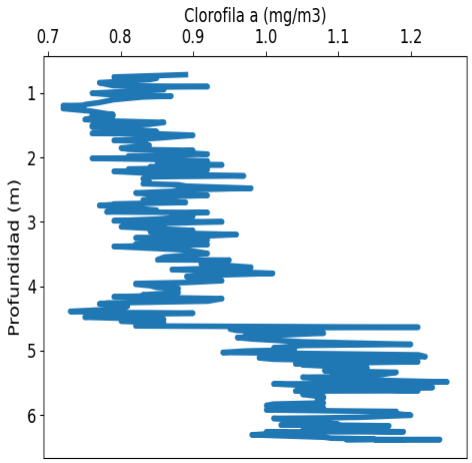
**Nombre: CTD E03 - Punto 004** **Fecha: 22/10/2024** **Hora: 09:10:15**

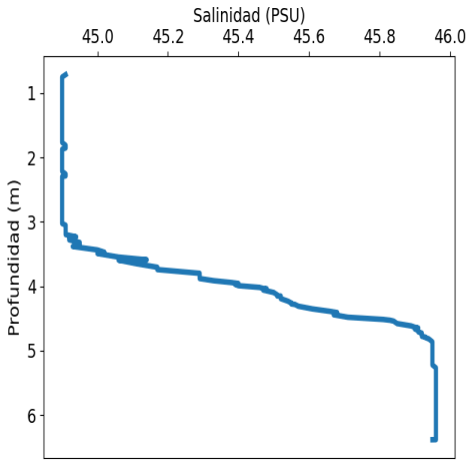


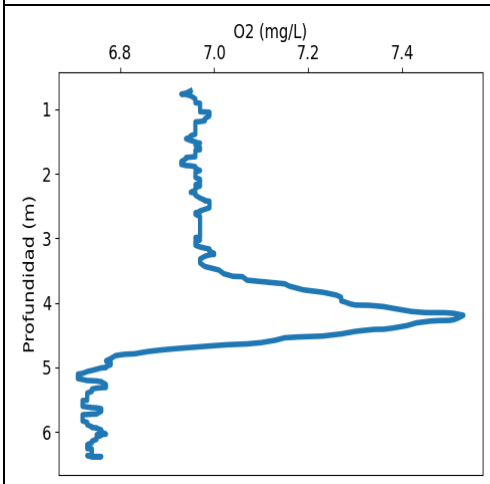



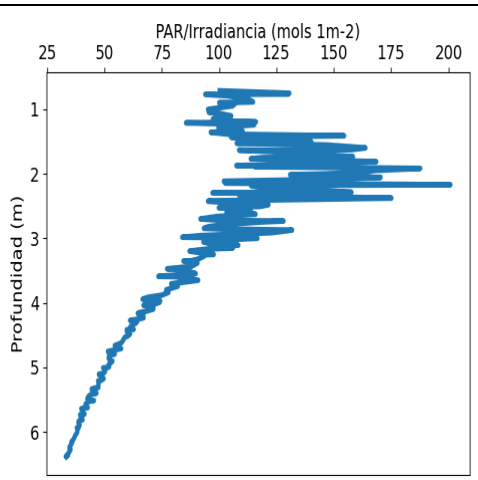




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 21.98 | 62.25 | 0.76 | 6.71 | 33.02 | 0.72 | 44.9 |
| **PROF (metros)** | 1.635 | 1.004 | 3.916 | 5.107 | 6.382 | 1.198 | 0.753 |
| **MÁXIMO** | 22.25 | 22.25 | 1.26 | 7.53 | 200.92 | 1.25 | 45.96 |
| **PROF (metros)** | 4.779 | 5.573 | 3.199 | 4.194 | 2.171 | 5.488 | 5.268 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E03 - Punto 004 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 21.99 | 62.26 | 1.02 | 6.95 | 109.87 | 0.84 | 44.9 |
| 1 - 2m | 21.99 | 62.26 | 0.97 | 6.96 | 122.41 | 0.8 | 44.9 |
| 2 - 3m | 21.99 | 62.27 | 1.01 | 6.97 | 117.91 | 0.85 | 44.9 |
| 3 - 4m | 22.07 | 62.57 | 1.0 | 7.06 | 86.89 | 0.88 | 45.07 |
| 4 - 5m | 22.23 | 63.58 | 0.97 | 7.17 | 59.86 | 0.91 | 45.73 |
| 5 - 6m | 22.25 | 63.88 | 1.03 | 6.74 | 43.8 | 1.09 | 45.96 |
| 6 - 7m | 22.25 | 63.89 | 0.99 | 6.74 | 35.12 | 1.1 | 45.96 |

| 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) |
| 0.716 | 21.99 | 62.26 | 1.22 | 6.95 | 100.19 | 0.89 | 44.91 |
| 0.753 | 21.99 | 62.26 | 1.07 | 6.94 | 130.65 | 0.79 | 44.9 |
| 0.767 | 21.99 | 62.26 | 0.99 | 6.93 | 130.16 | 0.81 | 44.9 |
| 0.771 | 21.99 | 62.26 | 0.88 | 6.94 | 93.88 | 0.85 | 44.9 |
| 0.793 | 21.99 | 62.26 | 1.03 | 6.95 | 103.62 | 0.84 | 44.9 |
| 0.841 | 21.99 | 62.26 | 0.99 | 6.96 | 112.4 | 0.77 | 44.9 |
| 0.888 | 21.99 | 62.26 | 0.99 | 6.96 | 114.82 | 0.79 | 44.9 |
| 0.901 | 21.99 | 62.26 | 1.11 | 6.96 | 99.98 | 0.92 | 44.9 |
| 0.909 | 21.99 | 62.26 | 0.99 | 6.97 | 107.06 | 0.85 | 44.9 |
| 0.949 | 21.99 | 62.26 | 0.92 | 6.97 | 105.9 | 0.86 | 44.9 |
| 1.004 | 21.99 | 62.25 | 1.03 | 6.97 | 95.1 | 0.76 | 44.9 |
| 1.04 | 21.99 | 62.26 | 0.99 | 6.97 | 98.22 | 0.8 | 44.9 |
| 1.048 | 21.99 | 62.26 | 0.92 | 6.99 | 95.43 | 0.87 | 44.9 |
| 1.063 | 21.99 | 62.26 | 0.99 | 6.99 | 99.64 | 0.83 | 44.9 |
| 1.105 | 21.99 | 62.26 | 0.99 | 6.99 | 105.29 | 0.79 | 44.9 |
| 1.15 | 21.99 | 62.26 | 0.95 | 6.98 | 97.24 | 0.77 | 44.9 |
| 1.181 | 21.99 | 62.26 | 1.03 | 6.98 | 100.26 | 0.75 | 44.9 |
| 1.192 | 21.99 | 62.26 | 0.92 | 6.97 | 113.24 | 0.75 | 44.9 |
| 1.198 | 21.99 | 62.26 | 0.95 | 6.96 | 116.08 | 0.72 | 44.9 |
| 1.212 | 21.99 | 62.26 | 0.88 | 6.96 | 85.5 | 0.75 | 44.9 |
| 1.242 | 21.99 | 62.26 | 0.84 | 6.96 | 115.28 | 0.72 | 44.9 |
| 1.284 | 21.99 | 62.26 | 1.03 | 6.96 | 99.62 | 0.76 | 44.9 |
| 1.321 | 21.99 | 62.26 | 0.99 | 6.96 | 104.22 | 0.78 | 44.9 |
| 1.336 | 21.99 | 62.26 | 0.95 | 6.96 | 108.69 | 0.79 | 44.9 |
| 1.34 | 21.99 | 62.26 | 0.92 | 6.96 | 110.28 | 0.76 | 44.9 |
| 1.358 | 21.99 | 62.26 | 0.99 | 6.96 | 96.28 | 0.79 | 44.9 |
| 1.388 | 21.99 | 62.26 | 0.92 | 6.96 | 104.12 | 0.76 | 44.9 |
| 1.413 | 21.99 | 62.26 | 0.95 | 6.95 | 154.55 | 0.75 | 44.9 |
| 1.434 | 21.99 | 62.26 | 1.07 | 6.95 | 105.19 | 0.78 | 44.9 |
| 1.458 | 21.99 | 62.26 | 1.11 | 6.94 | 113.42 | 0.86 | 44.9 |
| 1.486 | 21.99 | 62.26 | 1.07 | 6.95 | 124.01 | 0.84 | 44.9 |
| 1.506 | 21.99 | 62.26 | 0.99 | 6.96 | 140.25 | 0.76 | 44.9 |
| 1.516 | 21.99 | 62.26 | 0.92 | 6.96 | 131.95 | 0.79 | 44.9 |
| 1.527 | 21.99 | 62.26 | 0.88 | 6.97 | 107.61 | 0.76 | 44.9 |
| 1.555 | 21.99 | 62.25 | 1.07 | 6.96 | 146.6 | 0.81 | 44.9 |

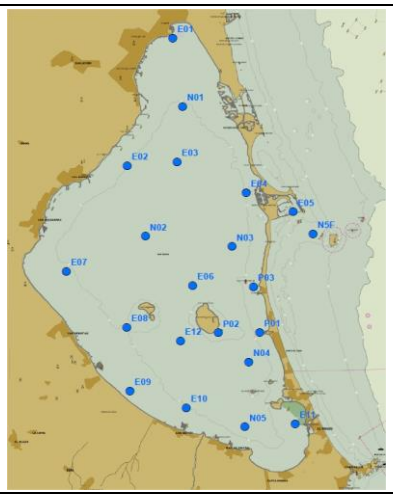
| 1.6 | 21.99 | 62.25 | 0.99 | 6.97 | 163.85 | 0.85 | 44.9 |
|---|---|---|---|---|---|---|---|
| 1.629 | 21.99 | 62.25 | 1.11 | 6.97 | 157.44 | 0.76 | 44.9 |
| 1.635 | 21.98 | 62.25 | 1.03 | 6.96 | 108.64 | 0.85 | 44.9 |
| 1.657 | 21.98 | 62.25 | 1.03 | 6.96 | 122.55 | 0.9 | 44.9 |
| 1.702 | 21.99 | 62.26 | 0.92 | 6.96 | 144.27 | 0.85 | 44.9 |
| 1.737 | 21.99 | 62.25 | 0.99 | 6.96 | 158.43 | 0.79 | 44.9 |
| 1.75 | 21.99 | 62.26 | 0.95 | 6.94 | 119.08 | 0.83 | 44.9 |
| 1.769 | 21.99 | 62.26 | 0.99 | 6.94 | 113.74 | 0.83 | 44.9 |
| 1.813 | 21.99 | 62.26 | 0.95 | 6.93 | 168.59 | 0.84 | 44.91 |
| 1.855 | 21.99 | 62.27 | 0.99 | 6.93 | 130.25 | 0.8 | 44.91 |
| 1.874 | 21.99 | 62.26 | 0.84 | 6.94 | 107.46 | 0.81 | 44.9 |
| 1.878 | 21.99 | 62.26 | 0.92 | 6.95 | 122.47 | 0.82 | 44.9 |
| 1.892 | 21.99 | 62.26 | 0.99 | 6.96 | 115.52 | 0.9 | 44.9 |
| 1.918 | 21.99 | 62.26 | 0.95 | 6.96 | 187.73 | 0.87 | 44.9 |
| 1.95 | 21.99 | 62.26 | 1.11 | 6.97 | 167.65 | 0.92 | 44.9 |
| 1.98 | 21.99 | 62.26 | 0.8 | 6.96 | 163.24 | 0.81 | 44.9 |
| 2.003 | 21.99 | 62.26 | 1.07 | 6.96 | 146.16 | 0.86 | 44.9 |
| 2.016 | 21.99 | 62.26 | 1.07 | 6.96 | 130.92 | 0.76 | 44.9 |
| 2.03 | 21.99 | 62.26 | 0.99 | 6.96 | 133.96 | 0.84 | 44.9 |
| 2.057 | 21.99 | 62.26 | 0.99 | 6.96 | 170.47 | 0.92 | 44.9 |
| 2.088 | 21.99 | 62.26 | 0.95 | 6.97 | 147.69 | 0.85 | 44.9 |
| 2.117 | 21.99 | 62.26 | 1.03 | 6.97 | 102.0 | 0.94 | 44.9 |
| 2.146 | 21.99 | 62.26 | 0.92 | 6.97 | 102.66 | 0.84 | 44.9 |
| 2.171 | 21.99 | 62.26 | 0.84 | 6.96 | 200.92 | 0.85 | 44.9 |
| 2.182 | 21.99 | 62.26 | 0.88 | 6.97 | 126.62 | 0.81 | 44.9 |
| 2.19 | 21.99 | 62.26 | 1.11 | 6.97 | 113.95 | 0.92 | 44.9 |
| 2.218 | 21.99 | 62.26 | 1.11 | 6.96 | 119.58 | 0.79 | 44.9 |
| 2.259 | 21.99 | 62.27 | 0.95 | 6.96 | 144.4 | 0.86 | 44.91 |
| 2.288 | 21.99 | 62.28 | 1.03 | 6.95 | 157.74 | 0.97 | 44.91 |
| 2.298 | 22.0 | 62.27 | 0.95 | 6.96 | 97.06 | 0.87 | 44.9 |
| 2.304 | 22.0 | 62.27 | 1.14 | 6.96 | 120.41 | 0.84 | 44.9 |
| 2.333 | 22.0 | 62.27 | 1.03 | 6.96 | 108.69 | 0.83 | 44.9 |
| 2.378 | 22.0 | 62.27 | 1.11 | 6.97 | 175.16 | 0.84 | 44.9 |
| 2.41 | 22.0 | 62.27 | 1.14 | 6.98 | 117.82 | 0.83 | 44.9 |
| 2.42 | 22.0 | 62.27 | 0.92 | 6.98 | 95.72 | 0.86 | 44.9 |
| 2.426 | 22.0 | 62.27 | 0.92 | 6.99 | 95.08 | 0.88 | 44.9 |
| 2.447 | 22.0 | 62.27 | 0.95 | 6.99 | 103.0 | 0.89 | 44.9 |
| 2.48 | 22.0 | 62.27 | 1.03 | 6.99 | 121.53 | 0.98 | 44.9 |
| 2.507 | 22.0 | 62.27 | 1.07 | 6.99 | 117.9 | 0.88 | 44.9 |
| 2.528 | 21.99 | 62.27 | 1.03 | 6.99 | 99.78 | 0.87 | 44.9 |
| 2.553 | 21.99 | 62.27 | 0.92 | 6.98 | 110.16 | 0.82 | 44.9 |
| 2.577 | 21.99 | 62.27 | 1.14 | 6.97 | 113.87 | 0.85 | 44.9 |
| 2.592 | 21.99 | 62.27 | 0.92 | 6.97 | 103.16 | 0.92 | 44.9 |
| 2.604 | 21.99 | 62.27 | 0.99 | 6.96 | 110.82 | 0.88 | 44.9 |
| 2.628 | 21.99 | 62.27 | 0.99 | 6.96 | 115.89 | 0.85 | 44.9 |
| 2.664 | 21.99 | 62.27 | 1.03 | 6.97 | 98.97 | 0.83 | 44.9 |
| 2.701 | 21.99 | 62.27 | 0.99 | 6.97 | 91.79 | 0.89 | 44.9 |
| 2.724 | 21.99 | 62.27 | 1.11 | 6.97 | 101.57 | 0.79 | 44.9 |
| 2.734 | 21.99 | 62.27 | 0.99 | 6.97 | 128.1 | 0.79 | 44.9 |
| 2.747 | 21.99 | 62.27 | 1.14 | 6.97 | 119.19 | 0.77 | 44.9 |
| 2.78 | 21.99 | 62.27 | 1.11 | 6.97 | 104.95 | 0.81 | 44.9 |
| 2.821 | 21.99 | 62.27 | 0.95 | 6.97 | 95.35 | 0.85 | 44.9 |
| 2.847 | 22.0 | 62.27 | 0.99 | 6.97 | 93.27 | 0.78 | 44.9 |
| 2.858 | 22.0 | 62.27 | 0.92 | 6.97 | 101.9 | 0.92 | 44.9 |
| 2.874 | 22.0 | 62.27 | 0.95 | 6.97 | 131.86 | 0.87 | 44.9 |
| 2.914 | 22.0 | 62.27 | 0.95 | 6.97 | 122.89 | 0.9 | 44.9 |
| 2.959 | 22.0 | 62.27 | 1.03 | 6.97 | 92.22 | 0.85 | 44.9 |
| 2.985 | 22.0 | 62.27 | 1.03 | 6.97 | 83.86 | 0.79 | 44.9 |

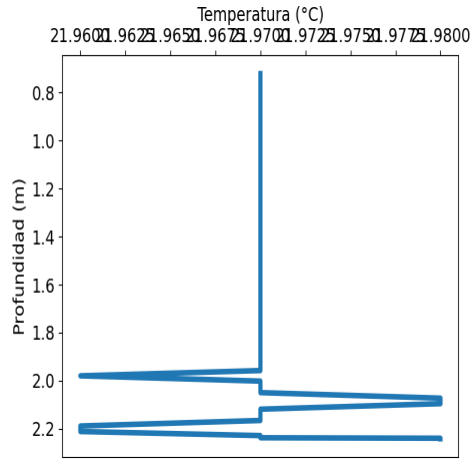
| 2.99 | 22.0 | 62.27 | 0.99 | 6.96 | 101.22 | 0.81 | 44.9 |
|---|---|---|---|---|---|---|---|
| 3.001 | 22.0 | 62.27 | 0.99 | 6.96 | 116.73 | 0.94 | 44.9 |
| 3.027 | 22.0 | 62.27 | 0.99 | 6.97 | 100.8 | 0.85 | 44.9 |
| 3.054 | 22.0 | 62.28 | 0.92 | 6.96 | 93.01 | 0.86 | 44.91 |
| 3.079 | 22.0 | 62.28 | 0.8 | 6.96 | 95.32 | 0.8 | 44.91 |
| 3.108 | 22.0 | 62.28 | 0.95 | 6.96 | 108.38 | 0.85 | 44.91 |
| 3.136 | 22.0 | 62.28 | 1.14 | 6.97 | 98.04 | 0.9 | 44.91 |
| 3.153 | 22.0 | 62.29 | 1.03 | 6.98 | 105.97 | 0.84 | 44.91 |
| 3.168 | 22.0 | 62.29 | 0.92 | 6.99 | 94.66 | 0.85 | 44.91 |
| 3.199 | 22.0 | 62.29 | 1.26 | 6.99 | 87.02 | 0.96 | 44.91 |
| 3.235 | 22.01 | 62.32 | 0.99 | 7.0 | 93.66 | 0.89 | 44.94 |
| 3.251 | 22.01 | 62.31 | 0.95 | 7.0 | 97.65 | 0.82 | 44.92 |
| 3.257 | 22.01 | 62.31 | 0.99 | 6.99 | 93.7 | 0.85 | 44.92 |
| 3.281 | 22.01 | 62.32 | 1.11 | 6.98 | 93.29 | 0.92 | 44.92 |
| 3.322 | 22.01 | 62.36 | 0.99 | 6.97 | 90.92 | 0.85 | 44.95 |
| 3.348 | 22.02 | 62.36 | 0.95 | 6.97 | 88.06 | 0.82 | 44.95 |
| 3.353 | 22.02 | 62.37 | 1.11 | 6.97 | 84.36 | 0.86 | 44.95 |
| 3.355 | 22.03 | 62.36 | 1.03 | 6.97 | 86.06 | 0.92 | 44.94 |
| 3.384 | 22.03 | 62.35 | 1.03 | 6.97 | 90.56 | 0.79 | 44.93 |
| 3.438 | 22.03 | 62.43 | 0.92 | 6.98 | 87.73 | 0.89 | 45.0 |
| 3.474 | 22.06 | 62.51 | 0.99 | 7.0 | 77.23 | 0.91 | 45.02 |
| 3.493 | 22.07 | 62.48 | 0.95 | 7.01 | 84.74 | 0.92 | 45.0 |
| 3.549 | 22.07 | 62.55 | 0.99 | 7.02 | 89.81 | 0.86 | 45.06 |
| 3.591 | 22.11 | 62.71 | 0.99 | 7.04 | 73.44 | 0.85 | 45.14 |
| 3.596 | 22.12 | 62.62 | 0.88 | 7.06 | 81.01 | 0.95 | 45.06 |
| 3.651 | 22.11 | 62.67 | 0.92 | 7.07 | 90.88 | 0.91 | 45.11 |
| 3.707 | 22.15 | 62.8 | 1.03 | 7.15 | 79.01 | 0.98 | 45.17 |
| 3.743 | 22.15 | 62.8 | 0.95 | 7.16 | 81.97 | 0.87 | 45.17 |
| 3.801 | 22.15 | 62.93 | 0.95 | 7.19 | 76.82 | 1.01 | 45.29 |
| 3.837 | 22.18 | 62.97 | 0.99 | 7.23 | 77.95 | 0.91 | 45.29 |
| 3.851 | 22.18 | 62.98 | 1.07 | 7.24 | 77.14 | 0.89 | 45.29 |
| 3.882 | 22.18 | 62.98 | 1.03 | 7.26 | 75.04 | 0.9 | 45.29 |
| 3.916 | 22.18 | 63.04 | 0.76 | 7.27 | 68.99 | 0.94 | 45.33 |
| 3.944 | 22.19 | 63.1 | 1.18 | 7.27 | 66.52 | 0.89 | 45.38 |
| 3.959 | 22.19 | 63.14 | 1.11 | 7.27 | 73.34 | 0.82 | 45.4 |
| 3.971 | 22.2 | 63.13 | 1.03 | 7.27 | 74.3 | 0.82 | 45.39 |
| 3.993 | 22.2 | 63.14 | 1.03 | 7.28 | 74.04 | 0.84 | 45.4 |
| 4.02 | 22.2 | 63.21 | 0.99 | 7.29 | 71.81 | 0.85 | 45.46 |
| 4.036 | 22.21 | 63.23 | 0.84 | 7.3 | 67.21 | 0.88 | 45.47 |
| 4.04 | 22.21 | 63.25 | 0.92 | 7.33 | 66.93 | 0.88 | 45.48 |
| 4.06 | 22.22 | 63.25 | 0.95 | 7.36 | 71.35 | 0.87 | 45.47 |
| 4.099 | 22.22 | 63.28 | 0.95 | 7.39 | 71.28 | 0.88 | 45.5 |
| 4.136 | 22.22 | 63.29 | 0.95 | 7.42 | 67.69 | 0.83 | 45.51 |
| 4.153 | 22.21 | 63.3 | 1.03 | 7.45 | 65.38 | 0.84 | 45.51 |
| 4.154 | 22.21 | 63.3 | 0.99 | 7.49 | 65.03 | 0.83 | 45.52 |
| 4.165 | 22.21 | 63.3 | 0.99 | 7.51 | 64.42 | 0.79 | 45.52 |
| 4.194 | 22.21 | 63.3 | 0.95 | 7.53 | 66.93 | 0.94 | 45.52 |
| 4.233 | 22.21 | 63.32 | 0.99 | 7.52 | 67.04 | 0.92 | 45.54 |
| 4.262 | 22.21 | 63.33 | 1.14 | 7.51 | 63.38 | 0.78 | 45.55 |
| 4.274 | 22.21 | 63.34 | 1.11 | 7.5 | 61.1 | 0.78 | 45.55 |
| 4.276 | 22.21 | 63.34 | 0.92 | 7.48 | 61.67 | 0.77 | 45.55 |
| 4.284 | 22.21 | 63.35 | 0.99 | 7.46 | 64.31 | 0.79 | 45.56 |
| 4.312 | 22.21 | 63.36 | 0.95 | 7.43 | 63.81 | 0.81 | 45.57 |
| 4.354 | 22.21 | 63.41 | 0.99 | 7.41 | 61.55 | 0.8 | 45.61 |
| 4.392 | 22.22 | 63.47 | 0.88 | 7.38 | 60.99 | 0.73 | 45.66 |
| 4.411 | 22.22 | 63.51 | 0.88 | 7.36 | 62.75 | 0.78 | 45.68 |
| 4.413 | 22.22 | 63.51 | 0.95 | 7.34 | 62.06 | 0.84 | 45.68 |
| 4.42 | 22.22 | 63.49 | 0.88 | 7.33 | 59.6 | 0.9 | 45.67 |

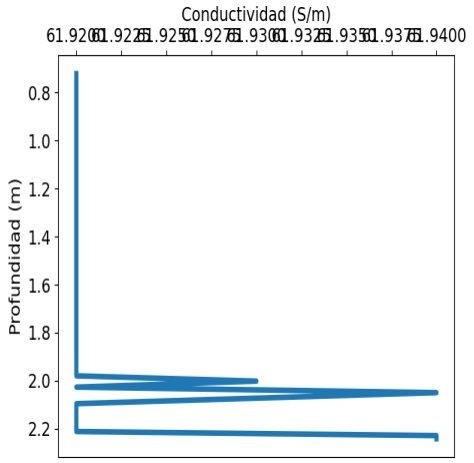
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4.444 | 22.22 | 63.5 | 0.84 | 7.3 | 59.69 | 0.79 | 45.67 |
| 4.483 | 22.22 | 63.55 | 1.03 | 7.27 | 61.16 | 0.75 | 45.71 |
| 4.517 | 22.23 | 63.67 | 0.99 | 7.23 | 60.06 | 0.86 | 45.81 |
| 4.53 | 22.23 | 63.7 | 0.88 | 7.18 | 59.04 | 0.85 | 45.83 |
| 4.543 | 22.23 | 63.71 | 0.8 | 7.15 | 58.62 | 0.8 | 45.84 |
| 4.581 | 22.23 | 63.74 | 0.99 | 7.13 | 58.09 | 0.86 | 45.85 |
| 4.618 | 22.24 | 63.79 | 0.99 | 7.1 | 57.41 | 0.82 | 45.89 |
| 4.638 | 22.24 | 63.79 | 1.03 | 7.07 | 56.4 | 1.21 | 45.9 |
| 4.65 | 22.24 | 63.81 | 0.88 | 7.03 | 55.55 | 0.95 | 45.91 |
| 4.665 | 22.24 | 63.81 | 0.88 | 7.0 | 54.38 | 0.95 | 45.9 |
| 4.688 | 22.24 | 63.81 | 0.95 | 6.96 | 56.33 | 0.96 | 45.91 |
| 4.71 | 22.24 | 63.82 | 0.99 | 6.92 | 57.26 | 1.01 | 45.91 |
| 4.73 | 22.24 | 63.83 | 0.95 | 6.89 | 54.59 | 1.08 | 45.92 |
| 4.755 | 22.24 | 63.84 | 0.92 | 6.86 | 51.42 | 1.03 | 45.92 |
| 4.779 | 22.25 | 63.83 | 1.07 | 6.84 | 52.13 | 0.97 | 45.92 |
| 4.792 | 22.25 | 63.84 | 1.11 | 6.83 | 54.5 | 0.99 | 45.93 |
| 4.798 | 22.25 | 63.85 | 1.11 | 6.81 | 54.2 | 0.96 | 45.93 |
| 4.82 | 22.25 | 63.85 | 0.95 | 6.79 | 51.94 | 0.98 | 45.94 |
| 4.865 | 22.25 | 63.86 | 0.99 | 6.78 | 51.74 | 1.05 | 45.95 |
| 4.9 | 22.25 | 63.87 | 1.03 | 6.77 | 52.8 | 1.18 | 45.95 |
| 4.904 | 22.25 | 63.87 | 0.95 | 6.77 | 53.46 | 1.2 | 45.95 |
| 4.921 | 22.25 | 63.87 | 1.11 | 6.78 | 53.04 | 1.05 | 45.95 |
| 4.96 | 22.25 | 63.87 | 0.92 | 6.78 | 51.72 | 1.01 | 45.95 |
| 4.992 | 22.25 | 63.88 | 1.11 | 6.77 | 52.02 | 1.04 | 45.95 |
| 5.005 | 22.25 | 63.88 | 1.07 | 6.77 | 51.28 | 0.98 | 45.95 |
| 5.009 | 22.25 | 63.88 | 0.95 | 6.76 | 49.33 | 0.97 | 45.95 |
| 5.03 | 22.25 | 63.88 | 1.03 | 6.75 | 49.91 | 0.94 | 45.95 |
| 5.067 | 22.25 | 63.88 | 0.95 | 6.73 | 50.26 | 1.21 | 45.95 |
| 5.095 | 22.25 | 63.88 | 0.95 | 6.72 | 49.28 | 1.22 | 45.95 |
| 5.107 | 22.25 | 63.88 | 1.07 | 6.71 | 47.48 | 1.06 | 45.95 |
| 5.114 | 22.25 | 63.88 | 1.03 | 6.71 | 47.51 | 0.99 | 45.95 |
| 5.135 | 22.25 | 63.88 | 0.84 | 6.71 | 48.41 | 1.01 | 45.95 |
| 5.174 | 22.25 | 63.88 | 1.03 | 6.71 | 49.64 | 1.21 | 45.95 |
| 5.205 | 22.25 | 63.88 | 1.03 | 6.73 | 48.38 | 1.04 | 45.95 |
| 5.212 | 22.25 | 63.88 | 0.92 | 6.75 | 47.12 | 1.06 | 45.95 |
| 5.224 | 22.25 | 63.88 | 1.11 | 6.76 | 47.3 | 1.05 | 45.95 |
| 5.268 | 22.25 | 63.88 | 1.03 | 6.77 | 47.34 | 1.14 | 45.96 |
| 5.312 | 22.25 | 63.88 | 1.18 | 6.77 | 47.32 | 1.08 | 45.96 |
| 5.323 | 22.25 | 63.88 | 0.99 | 6.75 | 45.52 | 1.11 | 45.96 |
| 5.338 | 22.25 | 63.88 | 0.95 | 6.74 | 44.36 | 1.18 | 45.96 |
| 5.374 | 22.25 | 63.88 | 1.03 | 6.74 | 44.6 | 1.16 | 45.96 |
| 5.4 | 22.25 | 63.88 | 1.07 | 6.73 | 46.47 | 1.09 | 45.96 |
| 5.407 | 22.25 | 63.88 | 0.99 | 6.73 | 46.17 | 1.11 | 45.96 |
| 5.415 | 22.25 | 63.88 | 0.95 | 6.73 | 44.49 | 1.05 | 45.96 |
| 5.446 | 22.25 | 63.88 | 1.03 | 6.73 | 43.03 | 1.09 | 45.96 |
| 5.488 | 22.25 | 63.88 | 1.03 | 6.73 | 42.46 | 1.25 | 45.96 |
| 5.511 | 22.25 | 63.88 | 1.03 | 6.73 | 44.02 | 1.09 | 45.96 |
| 5.515 | 22.25 | 63.88 | 1.22 | 6.72 | 45.4 | 1.06 | 45.96 |
| 5.519 | 22.25 | 63.88 | 1.07 | 6.72 | 44.15 | 1.01 | 45.96 |
| 5.539 | 22.25 | 63.88 | 0.99 | 6.72 | 42.67 | 1.05 | 45.96 |
| 5.573 | 22.25 | 63.89 | 1.07 | 6.72 | 41.62 | 1.23 | 45.96 |
| 5.605 | 22.25 | 63.89 | 0.99 | 6.72 | 42.03 | 1.14 | 45.96 |
| 5.625 | 22.25 | 63.88 | 1.11 | 6.74 | 42.7 | 1.21 | 45.96 |
| 5.629 | 22.25 | 63.88 | 1.11 | 6.75 | 41.06 | 1.04 | 45.96 |
| 5.643 | 22.25 | 63.89 | 1.03 | 6.76 | 39.79 | 1.08 | 45.96 |
| 5.681 | 22.25 | 63.89 | 1.14 | 6.76 | 40.39 | 1.05 | 45.96 |
| 5.723 | 22.25 | 63.89 | 1.26 | 6.75 | 41.28 | 1.08 | 45.96 |
| 5.735 | 22.25 | 63.89 | 0.99 | 6.72 | 40.87 | 1.07 | 45.96 |

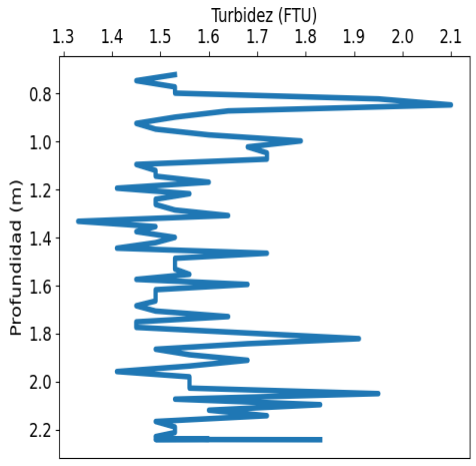
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5.736 | 22.25 | 63.89 | 1.03 | 6.72 | 39.27 | 1.08 | 45.96 |
| 5.768 | 22.25 | 63.89 | 1.07 | 6.72 | 39.55 | 1.07 | 45.96 |
| 5.813 | 22.25 | 63.89 | 0.88 | 6.72 | 40.43 | 1.08 | 45.96 |
| 5.832 | 22.25 | 63.89 | 1.14 | 6.72 | 38.76 | 1.01 | 45.96 |
| 5.854 | 22.25 | 63.89 | 0.95 | 6.73 | 38.51 | 1.0 | 45.96 |
| 5.891 | 22.25 | 63.89 | 0.99 | 6.73 | 39.16 | 1.08 | 45.96 |
| 5.922 | 22.25 | 63.89 | 1.14 | 6.74 | 38.86 | 1.0 | 45.96 |
| 5.934 | 22.25 | 63.89 | 1.11 | 6.74 | 38.73 | 1.08 | 45.96 |
| 5.938 | 22.25 | 63.89 | 0.95 | 6.75 | 37.82 | 1.1 | 45.96 |
| 5.946 | 22.25 | 63.89 | 0.84 | 6.75 | 37.96 | 1.18 | 45.96 |
| 5.97 | 22.25 | 63.89 | 1.03 | 6.76 | 38.12 | 1.17 | 45.96 |
| 6.005 | 22.25 | 63.89 | 0.99 | 6.76 | 38.08 | 1.2 | 45.96 |
| 6.036 | 22.25 | 63.89 | 0.99 | 6.77 | 37.56 | 1.13 | 45.96 |
| 6.046 | 22.25 | 63.89 | 0.95 | 6.75 | 37.44 | 1.08 | 45.96 |
| 6.054 | 22.25 | 63.89 | 0.88 | 6.76 | 37.2 | 1.01 | 45.96 |
| 6.079 | 22.25 | 63.89 | 1.14 | 6.75 | 36.92 | 1.05 | 45.96 |
| 6.116 | 22.25 | 63.89 | 1.03 | 6.75 | 36.46 | 1.08 | 45.96 |
| 6.145 | 22.25 | 63.89 | 0.95 | 6.74 | 35.79 | 1.1 | 45.96 |
| 6.157 | 22.25 | 63.89 | 1.11 | 6.74 | 35.49 | 1.02 | 45.96 |
| 6.16 | 22.25 | 63.89 | 0.95 | 6.74 | 35.88 | 1.11 | 45.96 |
| 6.169 | 22.25 | 63.89 | 0.92 | 6.74 | 35.84 | 1.17 | 45.96 |
| 6.2 | 22.25 | 63.89 | 0.95 | 6.73 | 35.37 | 1.14 | 45.96 |
| 6.238 | 22.25 | 63.89 | 0.99 | 6.73 | 34.65 | 1.05 | 45.96 |
| 6.261 | 22.25 | 63.89 | 1.03 | 6.73 | 34.64 | 1.19 | 45.96 |
| 6.263 | 22.25 | 63.89 | 0.88 | 6.74 | 35.13 | 1.0 | 45.96 |
| 6.275 | 22.25 | 63.89 | 0.99 | 6.74 | 35.17 | 1.03 | 45.96 |
| 6.309 | 22.25 | 63.89 | 0.92 | 6.74 | 34.66 | 0.98 | 45.96 |
| 6.346 | 22.25 | 63.89 | 1.11 | 6.74 | 33.86 | 1.08 | 45.96 |
| 6.36 | 22.25 | 63.89 | 1.03 | 6.74 | 34.09 | 1.09 | 45.96 |
| 6.361 | 22.25 | 63.89 | 0.99 | 6.74 | 33.92 | 1.09 | 45.96 |
| 6.369 | 22.25 | 63.89 | 1.14 | 6.73 | 33.41 | 1.13 | 45.96 |
| 6.377 | 22.25 | 63.89 | 0.95 | 6.74 | 33.2 | 1.15 | 45.96 |
| 6.382 | 22.25 | 63.89 | 1.11 | 6.74 | 33.02 | 1.11 | 45.96 |
| 6.383 | 22.25 | 63.89 | 0.99 | 6.76 | 33.38 | 1.24 | 45.96 |
| 6.384 | 22.25 | 63.89 | 0.92 | 6.76 | 33.36 | 1.15 | 45.96 |
| 6.385 | 22.25 | 63.88 | 0.92 | 6.74 | 33.38 | 1.19 | 45.95 |

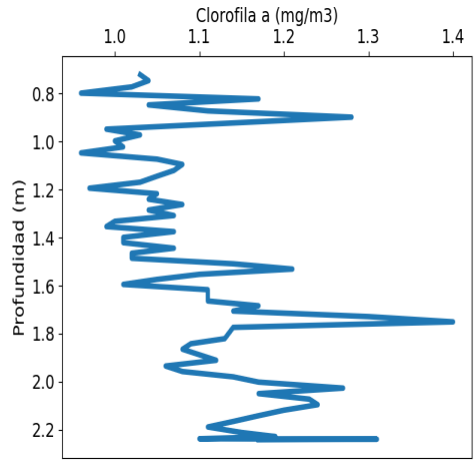
**Nombre: CTD E01 - Punto 005** **Fecha: 22/10/2024** **Hora: 09:10:35**

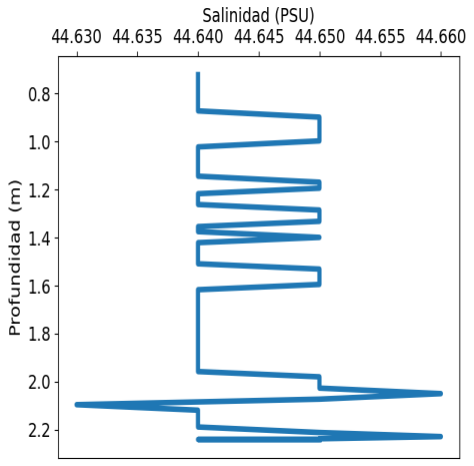


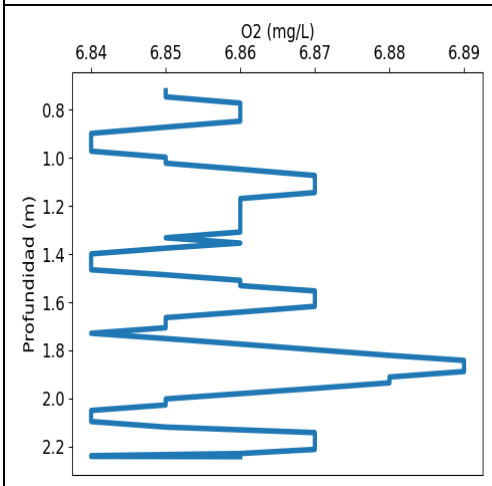



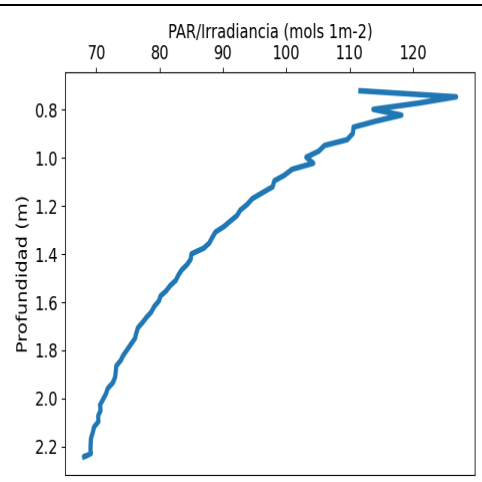




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 21.96 | 61.92 | 1.33 | 6.84 | 68.07 | 0.96 | 44.63 |
| **PROF (metros)** | 1.98 | 0.721 | 1.332 | 0.898 | 2.241 | 0.798 | 2.096 |
| **MÁXIMO** | 21.98 | 21.98 | 2.1 | 6.89 | 126.77 | 1.4 | 44.66 |
| **PROF (metros)** | 2.073 | 2.05 | 0.847 | 1.842 | 0.746 | 1.751 | 2.05 |

| 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 | 21.97 | 61.92 | 1.63 | 6.85 | 112.52 | 1.07 | 44.65 |
| 1 - 2m | 21.97 | 61.92 | 1.54 | 6.86 | 84.06 | 1.08 | 44.64 |
| 2 - 3m | 21.97 | 61.93 | 1.62 | 6.85 | 69.44 | 1.19 | 44.65 |

| OBSERVACIONES GENERALES |
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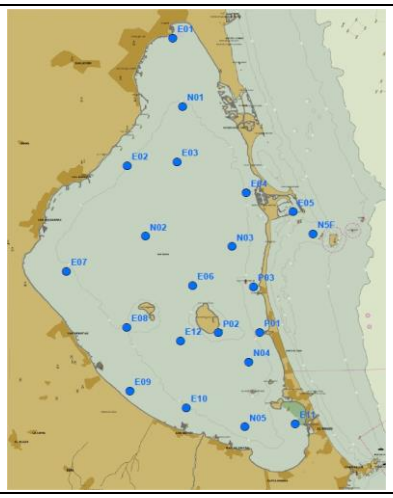
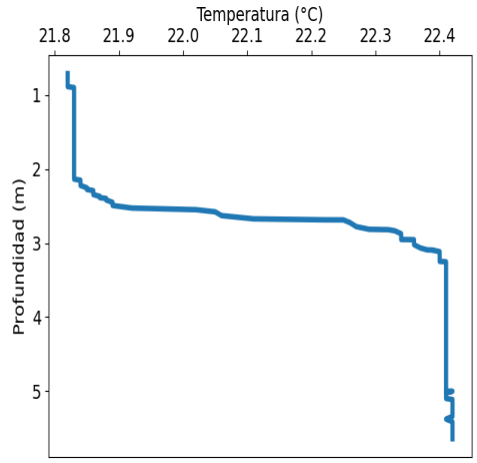
| |

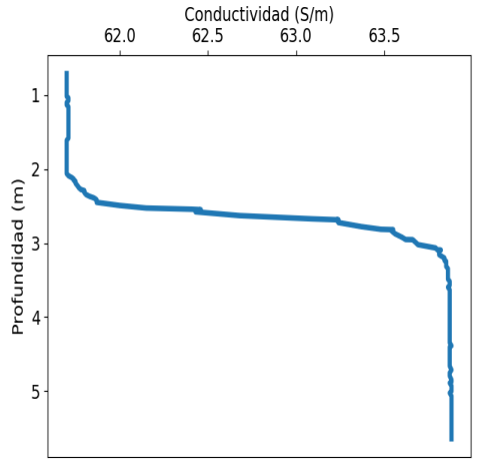
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.721 | 21.97 | 61.92 | 1.53 | 6.85 | 111.67 | 1.03 | 44.64 |
| 0.746 | 21.97 | 61.92 | 1.45 | 6.85 | 126.77 | 1.04 | 44.64 |
| 0.772 | 21.97 | 61.92 | 1.53 | 6.86 | 120.86 | 1.02 | 44.64 |
| 0.798 | 21.97 | 61.92 | 1.53 | 6.86 | 113.71 | 0.96 | 44.64 |
| 0.822 | 21.97 | 61.92 | 1.95 | 6.86 | 118.14 | 1.17 | 44.64 |
| 0.847 | 21.97 | 61.92 | 2.1 | 6.86 | 114.11 | 1.04 | 44.64 |
| 0.872 | 21.97 | 61.92 | 1.64 | 6.85 | 110.59 | 1.11 | 44.64 |
| 0.898 | 21.97 | 61.92 | 1.53 | 6.84 | 110.49 | 1.28 | 44.65 |
| 0.924 | 21.97 | 61.92 | 1.45 | 6.84 | 109.6 | 1.13 | 44.65 |
| 0.948 | 21.97 | 61.92 | 1.49 | 6.84 | 106.02 | 0.99 | 44.65 |
| 0.972 | 21.97 | 61.92 | 1.6 | 6.84 | 105.09 | 1.03 | 44.65 |
| 0.997 | 21.97 | 61.92 | 1.79 | 6.85 | 103.14 | 1.0 | 44.65 |
| 1.022 | 21.97 | 61.92 | 1.68 | 6.85 | 104.24 | 1.01 | 44.64 |
| 1.047 | 21.97 | 61.92 | 1.72 | 6.86 | 100.92 | 0.96 | 44.64 |
| 1.073 | 21.97 | 61.92 | 1.72 | 6.87 | 99.62 | 1.05 | 44.64 |
| 1.095 | 21.97 | 61.92 | 1.45 | 6.87 | 98.1 | 1.08 | 44.64 |
| 1.12 | 21.97 | 61.92 | 1.49 | 6.87 | 97.83 | 1.07 | 44.64 |
| 1.144 | 21.97 | 61.92 | 1.49 | 6.87 | 96.26 | 1.05 | 44.64 |
| 1.169 | 21.97 | 61.92 | 1.6 | 6.86 | 94.64 | 1.03 | 44.65 |
| 1.194 | 21.97 | 61.92 | 1.41 | 6.86 | 93.79 | 0.97 | 44.65 |
| 1.217 | 21.97 | 61.92 | 1.56 | 6.86 | 92.73 | 1.05 | 44.64 |
| 1.24 | 21.97 | 61.92 | 1.49 | 6.86 | 92.2 | 1.04 | 44.64 |
| 1.262 | 21.97 | 61.92 | 1.49 | 6.86 | 91.18 | 1.08 | 44.64 |
| 1.285 | 21.97 | 61.92 | 1.53 | 6.86 | 90.17 | 1.04 | 44.65 |
| 1.308 | 21.97 | 61.92 | 1.64 | 6.86 | 88.82 | 1.07 | 44.65 |
| 1.332 | 21.97 | 61.92 | 1.33 | 6.85 | 88.28 | 1.0 | 44.65 |
| 1.354 | 21.97 | 61.92 | 1.49 | 6.86 | 87.84 | 0.99 | 44.64 |
| 1.375 | 21.97 | 61.92 | 1.45 | 6.85 | 86.98 | 1.07 | 44.64 |
| 1.399 | 21.97 | 61.92 | 1.53 | 6.84 | 85.03 | 1.01 | 44.65 |
| 1.421 | 21.97 | 61.92 | 1.49 | 6.84 | 84.91 | 1.01 | 44.64 |
| 1.444 | 21.97 | 61.92 | 1.41 | 6.84 | 84.32 | 1.07 | 44.64 |
| 1.465 | 21.97 | 61.92 | 1.72 | 6.84 | 83.51 | 1.02 | 44.64 |
| 1.486 | 21.97 | 61.92 | 1.53 | 6.85 | 82.99 | 1.02 | 44.64 |
| 1.509 | 21.97 | 61.92 | 1.53 | 6.86 | 82.56 | 1.14 | 44.64 |
| 1.531 | 21.97 | 61.92 | 1.53 | 6.86 | 81.67 | 1.21 | 44.65 |
| 1.553 | 21.97 | 61.92 | 1.56 | 6.87 | 81.03 | 1.1 | 44.65 |
| 1.574 | 21.97 | 61.92 | 1.45 | 6.87 | 80.15 | 1.05 | 44.65 |
| 1.595 | 21.97 | 61.92 | 1.68 | 6.87 | 79.89 | 1.01 | 44.65 |
| 1.617 | 21.97 | 61.92 | 1.49 | 6.87 | 79.17 | 1.11 | 44.64 |

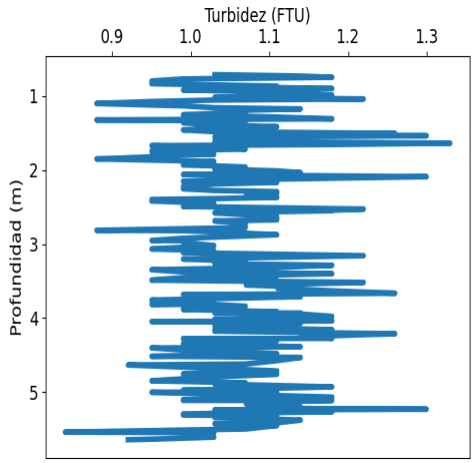
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.641 | 21.97 | 61.92 | 1.49 | 6.86 | 78.68 | 1.11 | 44.64 |
| 1.664 | 21.97 | 61.92 | 1.49 | 6.85 | 77.9 | 1.11 | 44.64 |
| 1.684 | 21.97 | 61.92 | 1.45 | 6.85 | 77.32 | 1.17 | 44.64 |
| 1.706 | 21.97 | 61.92 | 1.49 | 6.85 | 76.59 | 1.14 | 44.64 |
| 1.729 | 21.97 | 61.92 | 1.64 | 6.84 | 76.32 | 1.3 | 44.64 |
| 1.751 | 21.97 | 61.92 | 1.45 | 6.85 | 76.11 | 1.4 | 44.64 |
| 1.774 | 21.97 | 61.92 | 1.45 | 6.86 | 75.5 | 1.14 | 44.64 |
| 1.821 | 21.97 | 61.92 | 1.91 | 6.88 | 74.27 | 1.13 | 44.64 |
| 1.842 | 21.97 | 61.92 | 1.68 | 6.89 | 73.87 | 1.09 | 44.64 |
| 1.865 | 21.97 | 61.92 | 1.49 | 6.89 | 73.17 | 1.08 | 44.64 |
| 1.888 | 21.97 | 61.92 | 1.56 | 6.89 | 73.09 | 1.1 | 44.64 |
| 1.911 | 21.97 | 61.92 | 1.68 | 6.88 | 72.99 | 1.12 | 44.64 |
| 1.935 | 21.97 | 61.92 | 1.56 | 6.88 | 72.63 | 1.06 | 44.64 |
| 1.958 | 21.97 | 61.92 | 1.41 | 6.87 | 71.83 | 1.08 | 44.64 |
| 1.98 | 21.96 | 61.92 | 1.56 | 6.86 | 71.55 | 1.14 | 44.65 |
| 2.002 | 21.97 | 61.93 | 1.56 | 6.85 | 71.12 | 1.17 | 44.65 |
| 2.027 | 21.97 | 61.92 | 1.56 | 6.85 | 70.61 | 1.27 | 44.65 |
| 2.05 | 21.97 | 61.94 | 1.95 | 6.84 | 70.69 | 1.17 | 44.66 |
| 2.073 | 21.98 | 61.93 | 1.53 | 6.84 | 70.31 | 1.23 | 44.65 |
| 2.096 | 21.98 | 61.92 | 1.83 | 6.84 | 70.36 | 1.24 | 44.63 |
| 2.119 | 21.97 | 61.92 | 1.6 | 6.85 | 69.66 | 1.2 | 44.64 |
| 2.142 | 21.97 | 61.92 | 1.72 | 6.87 | 69.46 | 1.17 | 44.64 |
| 2.166 | 21.97 | 61.92 | 1.49 | 6.87 | 69.18 | 1.14 | 44.64 |
| 2.189 | 21.96 | 61.92 | 1.53 | 6.87 | 69.13 | 1.11 | 44.64 |
| 2.212 | 21.96 | 61.92 | 1.53 | 6.87 | 69.1 | 1.15 | 44.65 |
| 2.229 | 21.97 | 61.94 | 1.49 | 6.86 | 69.16 | 1.19 | 44.66 |
| 2.238 | 21.97 | 61.94 | 1.53 | 6.84 | 68.5 | 1.1 | 44.65 |
| 2.24 | 21.98 | 61.94 | 1.6 | 6.84 | 68.24 | 1.31 | 44.65 |
| 2.241 | 21.98 | 61.94 | 1.49 | 6.84 | 68.07 | 1.23 | 44.64 |
| 2.242 | 21.98 | 61.94 | 1.83 | 6.86 | 68.08 | 1.17 | 44.65 |

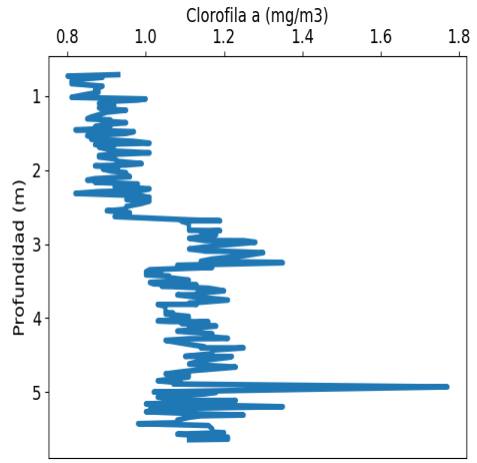
**Nombre: CTD N01 - Punto 006** **Fecha: 22/10/2024** **Hora: 09:10:41**

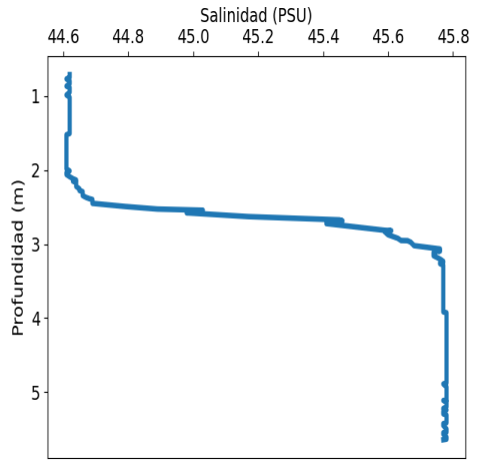


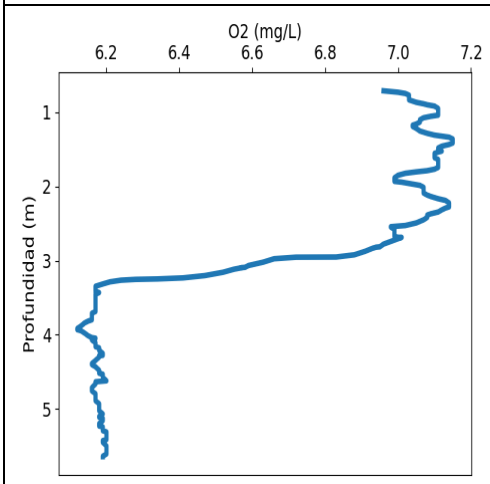



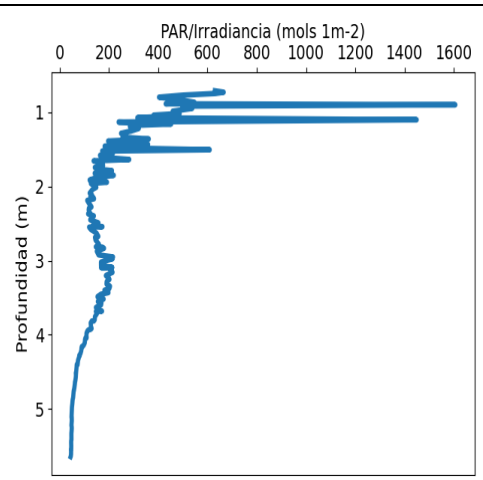



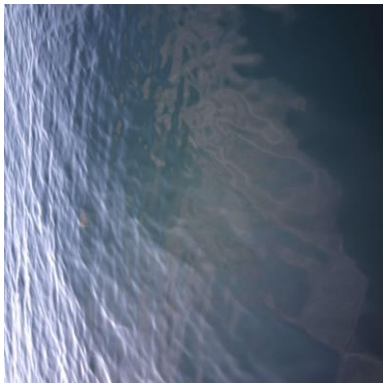



| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 21.82 | 61.7 | 0.84 | 6.12 | 44.17 | 0.8 | 44.61 |
| **PROF (metros)** | 0.712 | 0.712 | 5.54 | 3.915 | 5.642 | 0.731 | 0.77 |
| **MÁXIMO** | 22.42 | 22.42 | 1.33 | 7.15 | 1606.7 | 1.77 | 45.78 |
| **PROF (metros)** | 5.001 | 4.387 | 1.637 | 1.361 | 0.9 | 4.929 | 3.928 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD N01 - Punto 006 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 21.82 | 61.7 | 1.08 | 7.05 | 616.45 | 0.86 | 44.62 |
| 1 - 2m | 21.83 | 61.71 | 1.05 | 7.08 | 272.4 | 0.91 | 44.62 |
| 2 - 3m | 22.02 | 62.42 | 1.06 | 7.02 | 142.98 | 1.01 | 45.0 |
| 3 - 4m | 22.41 | 63.85 | 1.07 | 6.25 | 166.13 | 1.12 | 45.77 |
| 4 - 5m | 22.41 | 63.87 | 1.06 | 6.17 | 74.29 | 1.15 | 45.78 |
| 5 - 6m | 22.42 | 63.88 | 1.06 | 6.19 | 47.32 | 1.13 | 45.78 |

| OBSERVACIONES GENERALES |
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| |

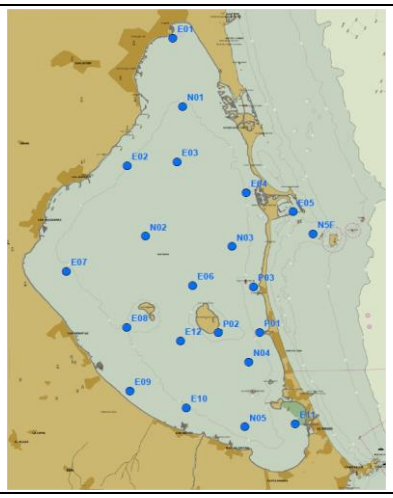
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.712 | 21.82 | 61.7 | 1.03 | 6.96 | 629.6 | 0.93 | 44.62 |
| 0.731 | 21.82 | 61.7 | 1.14 | 7.0 | 665.93 | 0.8 | 44.62 |
| 0.748 | 21.82 | 61.7 | 1.18 | 7.02 | 631.06 | 0.89 | 44.62 |
| 0.77 | 21.82 | 61.7 | 0.99 | 7.03 | 502.37 | 0.84 | 44.61 |
| 0.798 | 21.82 | 61.7 | 0.95 | 7.03 | 402.9 | 0.81 | 44.62 |
| 0.834 | 21.82 | 61.7 | 0.95 | 7.03 | 487.91 | 0.81 | 44.62 |
| 0.867 | 21.82 | 61.7 | 1.11 | 7.05 | 546.85 | 0.89 | 44.61 |
| 0.887 | 21.82 | 61.7 | 1.11 | 7.07 | 429.91 | 0.88 | 44.62 |
| 0.9 | 21.83 | 61.7 | 1.18 | 7.08 | 1606.7 | 0.88 | 44.62 |
| 0.918 | 21.83 | 61.7 | 0.99 | 7.1 | 497.74 | 0.87 | 44.62 |
| 0.949 | 21.83 | 61.7 | 1.11 | 7.11 | 538.17 | 0.88 | 44.62 |
| 0.987 | 21.83 | 61.7 | 1.18 | 7.11 | 458.21 | 0.84 | 44.61 |
| 1.018 | 21.83 | 61.7 | 1.03 | 7.11 | 487.01 | 0.81 | 44.62 |
| 1.04 | 21.83 | 61.71 | 1.22 | 7.11 | 381.1 | 1.0 | 44.62 |
| 1.055 | 21.83 | 61.71 | 1.03 | 7.09 | 428.03 | 0.98 | 44.62 |
| 1.075 | 21.83 | 61.71 | 0.95 | 7.07 | 314.85 | 0.9 | 44.62 |
| 1.102 | 21.83 | 61.7 | 0.88 | 7.06 | 1449.6 | 0.88 | 44.62 |
| 1.133 | 21.83 | 61.7 | 0.99 | 7.06 | 238.68 | 0.92 | 44.62 |
| 1.159 | 21.83 | 61.71 | 1.03 | 7.05 | 452.61 | 0.88 | 44.62 |
| 1.175 | 21.83 | 61.71 | 1.14 | 7.04 | 321.26 | 0.89 | 44.62 |
| 1.192 | 21.83 | 61.71 | 1.07 | 7.04 | 284.25 | 0.95 | 44.62 |
| 1.219 | 21.83 | 61.71 | 1.07 | 7.05 | 321.03 | 0.9 | 44.62 |
| 1.254 | 21.83 | 61.71 | 0.99 | 7.06 | 289.44 | 0.88 | 44.62 |
| 1.285 | 21.83 | 61.71 | 1.11 | 7.08 | 248.44 | 0.86 | 44.62 |
| 1.309 | 21.83 | 61.71 | 1.18 | 7.1 | 269.19 | 0.85 | 44.62 |
| 1.323 | 21.83 | 61.71 | 0.88 | 7.12 | 261.38 | 0.91 | 44.62 |
| 1.337 | 21.83 | 61.71 | 1.07 | 7.14 | 254.68 | 0.89 | 44.62 |
| 1.361 | 21.83 | 61.71 | 0.99 | 7.15 | 361.74 | 0.95 | 44.62 |
| 1.389 | 21.83 | 61.71 | 1.03 | 7.15 | 196.09 | 0.89 | 44.62 |
| 1.415 | 21.83 | 61.71 | 1.11 | 7.15 | 232.99 | 0.87 | 44.62 |
| 1.435 | 21.83 | 61.71 | 1.03 | 7.14 | 358.9 | 0.91 | 44.62 |
| 1.458 | 21.83 | 61.71 | 0.99 | 7.12 | 182.11 | 0.82 | 44.62 |
| 1.482 | 21.83 | 61.71 | 1.03 | 7.11 | 254.5 | 0.97 | 44.62 |
| 1.506 | 21.83 | 61.71 | 1.26 | 7.11 | 609.22 | 0.95 | 44.62 |
| 1.524 | 21.83 | 61.71 | 1.14 | 7.12 | 171.9 | 0.89 | 44.61 |
| 1.537 | 21.83 | 61.71 | 1.3 | 7.11 | 208.65 | 0.85 | 44.61 |

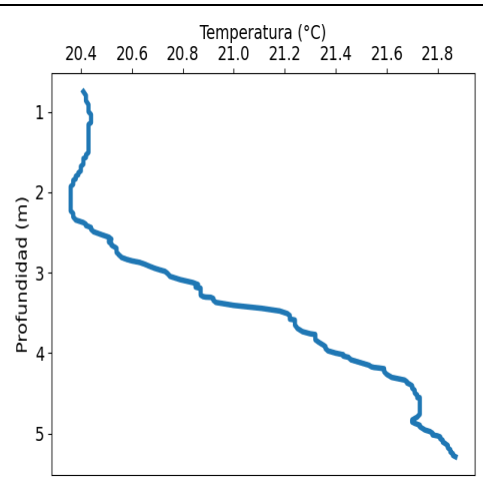
| 1.555 | 21.83 | 61.71 | 1.03 | 7.1 | 215.94 | 0.89 | 44.61 |
|---|---|---|---|---|---|---|---|
| 1.582 | 21.83 | 61.71 | 1.11 | 7.1 | 162.9 | 0.86 | 44.61 |
| 1.613 | 21.83 | 61.7 | 1.03 | 7.1 | 189.17 | 0.97 | 44.61 |
| 1.637 | 21.83 | 61.7 | 1.33 | 7.11 | 282.22 | 1.01 | 44.61 |
| 1.656 | 21.83 | 61.7 | 1.18 | 7.11 | 137.1 | 0.87 | 44.61 |
| 1.671 | 21.83 | 61.7 | 0.95 | 7.11 | 152.88 | 0.92 | 44.61 |
| 1.69 | 21.83 | 61.7 | 1.03 | 7.11 | 174.11 | 0.88 | 44.61 |
| 1.717 | 21.83 | 61.7 | 1.07 | 7.11 | 176.18 | 0.9 | 44.61 |
| 1.744 | 21.83 | 61.7 | 0.95 | 7.11 | 142.01 | 0.92 | 44.61 |
| 1.768 | 21.83 | 61.7 | 0.99 | 7.1 | 158.84 | 1.01 | 44.61 |
| 1.788 | 21.83 | 61.7 | 1.03 | 7.08 | 212.12 | 0.92 | 44.61 |
| 1.804 | 21.83 | 61.7 | 0.95 | 7.05 | 155.02 | 0.88 | 44.61 |
| 1.823 | 21.83 | 61.7 | 0.95 | 7.02 | 141.46 | 0.88 | 44.61 |
| 1.85 | 21.83 | 61.7 | 0.88 | 7.0 | 219.47 | 0.92 | 44.61 |
| 1.884 | 21.83 | 61.7 | 1.03 | 6.99 | 145.99 | 0.93 | 44.61 |
| 1.914 | 21.83 | 61.7 | 0.99 | 6.99 | 121.17 | 0.99 | 44.61 |
| 1.932 | 21.83 | 61.7 | 0.99 | 6.99 | 165.53 | 0.95 | 44.61 |
| 1.943 | 21.83 | 61.7 | 1.03 | 7.01 | 191.91 | 0.87 | 44.61 |
| 1.96 | 21.83 | 61.7 | 1.07 | 7.03 | 125.83 | 0.93 | 44.61 |
| 1.986 | 21.83 | 61.7 | 1.03 | 7.06 | 138.15 | 0.89 | 44.61 |
| 2.012 | 21.83 | 61.7 | 1.11 | 7.07 | 148.44 | 0.91 | 44.62 |
| 2.036 | 21.83 | 61.7 | 1.14 | 7.07 | 134.61 | 0.95 | 44.61 |
| 2.061 | 21.83 | 61.7 | 0.99 | 7.07 | 128.13 | 0.95 | 44.61 |
| 2.09 | 21.83 | 61.71 | 1.3 | 7.07 | 121.45 | 0.96 | 44.62 |
| 2.117 | 21.83 | 61.73 | 1.14 | 7.08 | 131.25 | 0.87 | 44.63 |
| 2.136 | 21.83 | 61.74 | 1.03 | 7.09 | 124.04 | 0.85 | 44.64 |
| 2.151 | 21.84 | 61.74 | 0.99 | 7.1 | 136.78 | 0.9 | 44.63 |
| 2.166 | 21.84 | 61.75 | 1.11 | 7.11 | 139.31 | 0.87 | 44.64 |
| 2.189 | 21.84 | 61.75 | 1.03 | 7.13 | 111.36 | 0.98 | 44.64 |
| 2.222 | 21.84 | 61.76 | 0.99 | 7.14 | 117.19 | 0.92 | 44.64 |
| 2.254 | 21.85 | 61.77 | 0.99 | 7.14 | 124.53 | 1.01 | 44.65 |
| 2.276 | 21.85 | 61.78 | 1.03 | 7.14 | 129.05 | 0.99 | 44.65 |
| 2.292 | 21.86 | 61.8 | 1.11 | 7.13 | 118.39 | 0.88 | 44.66 |
| 2.316 | 21.86 | 61.8 | 1.11 | 7.12 | 117.13 | 0.82 | 44.66 |
| 2.345 | 21.86 | 61.81 | 1.07 | 7.11 | 121.79 | 0.98 | 44.66 |
| 2.369 | 21.87 | 61.83 | 1.11 | 7.09 | 114.69 | 1.01 | 44.67 |
| 2.386 | 21.87 | 61.85 | 1.03 | 7.08 | 129.89 | 0.96 | 44.68 |
| 2.398 | 21.88 | 61.86 | 0.95 | 7.08 | 138.57 | 0.95 | 44.69 |
| 2.418 | 21.88 | 61.87 | 0.95 | 7.08 | 127.45 | 1.01 | 44.69 |
| 2.45 | 21.89 | 61.87 | 1.03 | 7.07 | 123.58 | 0.99 | 44.69 |
| 2.492 | 21.89 | 62.0 | 0.99 | 7.05 | 157.08 | 0.95 | 44.79 |
| 2.527 | 21.92 | 62.15 | 1.22 | 7.02 | 133.86 | 0.95 | 44.89 |
| 2.543 | 21.99 | 62.41 | 1.18 | 6.98 | 173.3 | 0.92 | 45.03 |
| 2.549 | 22.02 | 62.46 | 1.18 | 6.98 | 119.0 | 0.9 | 45.03 |
| 2.578 | 22.05 | 62.43 | 1.03 | 6.99 | 125.54 | 0.96 | 44.98 |
| 2.629 | 22.06 | 62.68 | 1.11 | 6.99 | 148.96 | 0.92 | 45.17 |
| 2.673 | 22.11 | 63.09 | 1.11 | 6.99 | 156.75 | 1.11 | 45.45 |
| 2.686 | 22.22 | 63.24 | 1.03 | 7.0 | 152.14 | 1.19 | 45.46 |
| 2.687 | 22.25 | 63.23 | 1.03 | 7.01 | 142.97 | 1.09 | 45.42 |
| 2.723 | 22.26 | 63.24 | 1.07 | 6.99 | 145.31 | 1.11 | 45.41 |
| 2.778 | 22.27 | 63.37 | 1.07 | 6.96 | 158.76 | 1.11 | 45.52 |
| 2.814 | 22.29 | 63.48 | 0.88 | 6.95 | 146.26 | 1.11 | 45.59 |
| 2.819 | 22.32 | 63.55 | 0.99 | 6.94 | 173.38 | 1.19 | 45.61 |
| 2.834 | 22.33 | 63.54 | 1.03 | 6.93 | 179.85 | 1.14 | 45.59 |
| 2.874 | 22.34 | 63.56 | 1.11 | 6.91 | 150.07 | 1.18 | 45.6 |
| 2.922 | 22.34 | 63.6 | 0.99 | 6.88 | 157.41 | 1.11 | 45.63 |
| 2.952 | 22.34 | 63.62 | 0.95 | 6.83 | 216.49 | 1.15 | 45.64 |
| 2.954 | 22.36 | 63.66 | 0.99 | 6.72 | 186.99 | 1.25 | 45.66 |

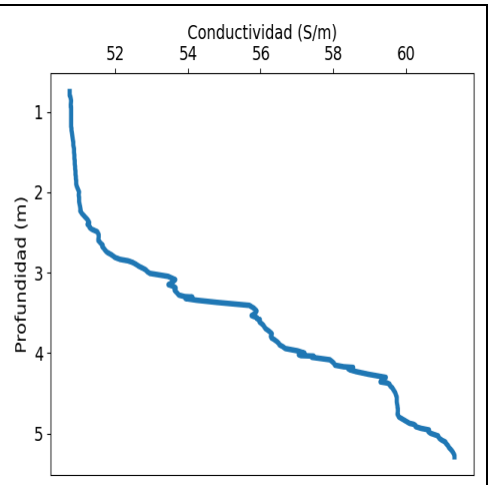
| 2.975 | 22.36 | 63.67 | 0.99 | 6.66 | 214.59 | 1.28 | 45.67 |
|---|---|---|---|---|---|---|---|
| 3.021 | 22.36 | 63.69 | 1.03 | 6.63 | 167.26 | 1.18 | 45.68 |
| 3.066 | 22.37 | 63.79 | 0.95 | 6.59 | 167.3 | 1.11 | 45.76 |
| 3.091 | 22.38 | 63.8 | 1.03 | 6.58 | 212.81 | 1.15 | 45.75 |
| 3.095 | 22.39 | 63.82 | 1.03 | 6.57 | 167.5 | 1.15 | 45.76 |
| 3.097 | 22.39 | 63.81 | 0.99 | 6.57 | 212.9 | 1.2 | 45.75 |
| 3.116 | 22.4 | 63.81 | 0.99 | 6.55 | 203.69 | 1.3 | 45.74 |
| 3.157 | 22.4 | 63.81 | 1.22 | 6.52 | 214.54 | 1.25 | 45.74 |
| 3.202 | 22.4 | 63.84 | 0.99 | 6.47 | 186.9 | 1.17 | 45.76 |
| 3.233 | 22.4 | 63.84 | 1.07 | 6.41 | 198.6 | 1.14 | 45.77 |
| 3.247 | 22.4 | 63.85 | 1.03 | 6.34 | 196.45 | 1.34 | 45.77 |
| 3.253 | 22.41 | 63.85 | 1.03 | 6.28 | 201.95 | 1.35 | 45.76 |
| 3.264 | 22.41 | 63.85 | 1.03 | 6.24 | 195.63 | 1.26 | 45.76 |
| 3.286 | 22.41 | 63.85 | 1.18 | 6.21 | 190.05 | 1.08 | 45.77 |
| 3.315 | 22.41 | 63.85 | 1.11 | 6.19 | 189.48 | 1.17 | 45.77 |
| 3.346 | 22.41 | 63.86 | 0.95 | 6.17 | 204.25 | 1.01 | 45.77 |
| 3.376 | 22.41 | 63.86 | 0.99 | 6.17 | 201.48 | 1.0 | 45.77 |
| 3.4 | 22.41 | 63.86 | 1.18 | 6.17 | 181.14 | 1.04 | 45.77 |
| 3.416 | 22.41 | 63.86 | 1.11 | 6.17 | 186.6 | 1.0 | 45.77 |
| 3.431 | 22.41 | 63.86 | 1.11 | 6.18 | 197.82 | 1.06 | 45.77 |
| 3.454 | 22.41 | 63.86 | 0.99 | 6.17 | 166.68 | 1.06 | 45.77 |
| 3.487 | 22.41 | 63.86 | 0.95 | 6.17 | 152.95 | 1.11 | 45.77 |
| 3.518 | 22.41 | 63.87 | 1.22 | 6.17 | 178.35 | 1.01 | 45.77 |
| 3.538 | 22.41 | 63.87 | 1.14 | 6.17 | 161.47 | 1.02 | 45.77 |
| 3.552 | 22.41 | 63.87 | 1.07 | 6.17 | 154.44 | 1.13 | 45.77 |
| 3.568 | 22.41 | 63.87 | 1.11 | 6.17 | 169.21 | 1.04 | 45.77 |
| 3.596 | 22.41 | 63.86 | 1.11 | 6.17 | 168.04 | 1.16 | 45.77 |
| 3.632 | 22.41 | 63.87 | 1.18 | 6.17 | 146.6 | 1.2 | 45.77 |
| 3.664 | 22.41 | 63.87 | 1.26 | 6.17 | 154.12 | 1.13 | 45.77 |
| 3.681 | 22.41 | 63.87 | 1.03 | 6.17 | 171.78 | 1.14 | 45.77 |
| 3.682 | 22.41 | 63.87 | 0.99 | 6.17 | 147.48 | 1.14 | 45.77 |
| 3.686 | 22.41 | 63.87 | 1.11 | 6.17 | 146.33 | 1.08 | 45.77 |
| 3.71 | 22.41 | 63.87 | 1.14 | 6.16 | 151.5 | 1.12 | 45.77 |
| 3.756 | 22.41 | 63.87 | 0.95 | 6.16 | 142.77 | 1.21 | 45.77 |
| 3.798 | 22.41 | 63.87 | 1.03 | 6.16 | 141.98 | 1.11 | 45.77 |
| 3.814 | 22.41 | 63.87 | 0.95 | 6.15 | 138.31 | 1.13 | 45.77 |
| 3.815 | 22.41 | 63.87 | 1.03 | 6.15 | 130.04 | 1.03 | 45.77 |
| 3.84 | 22.41 | 63.87 | 1.07 | 6.14 | 125.31 | 1.05 | 45.77 |
| 3.882 | 22.41 | 63.87 | 0.99 | 6.13 | 126.42 | 1.05 | 45.77 |
| 3.915 | 22.41 | 63.87 | 1.11 | 6.12 | 129.41 | 1.05 | 45.77 |
| 3.928 | 22.41 | 63.87 | 1.03 | 6.12 | 124.38 | 1.06 | 45.78 |
| 3.931 | 22.41 | 63.87 | 1.14 | 6.12 | 118.58 | 1.07 | 45.78 |
| 3.945 | 22.41 | 63.87 | 1.14 | 6.13 | 112.56 | 1.05 | 45.78 |
| 3.977 | 22.41 | 63.87 | 1.18 | 6.14 | 108.59 | 1.11 | 45.78 |
| 4.014 | 22.41 | 63.87 | 1.03 | 6.15 | 108.28 | 1.11 | 45.78 |
| 4.038 | 22.41 | 63.87 | 1.18 | 6.16 | 109.01 | 1.03 | 45.78 |
| 4.046 | 22.41 | 63.87 | 0.95 | 6.17 | 108.03 | 1.06 | 45.78 |
| 4.049 | 22.41 | 63.87 | 1.14 | 6.17 | 103.26 | 1.16 | 45.78 |
| 4.07 | 22.41 | 63.87 | 1.14 | 6.16 | 102.09 | 1.09 | 45.78 |
| 4.107 | 22.41 | 63.87 | 1.03 | 6.17 | 101.74 | 1.18 | 45.78 |
| 4.14 | 22.41 | 63.87 | 1.11 | 6.17 | 97.11 | 1.11 | 45.78 |
| 4.156 | 22.41 | 63.87 | 1.18 | 6.17 | 93.18 | 1.12 | 45.78 |
| 4.16 | 22.41 | 63.87 | 1.03 | 6.17 | 89.02 | 1.11 | 45.78 |
| 4.176 | 22.41 | 63.87 | 1.03 | 6.18 | 88.22 | 1.08 | 45.78 |
| 4.211 | 22.41 | 63.87 | 1.26 | 6.18 | 87.33 | 1.17 | 45.78 |
| 4.25 | 22.41 | 63.87 | 1.14 | 6.19 | 84.23 | 1.16 | 45.78 |
| 4.273 | 22.41 | 63.87 | 1.18 | 6.19 | 80.82 | 1.21 | 45.78 |
| 4.277 | 22.41 | 63.87 | 0.99 | 6.19 | 79.14 | 1.18 | 45.78 |

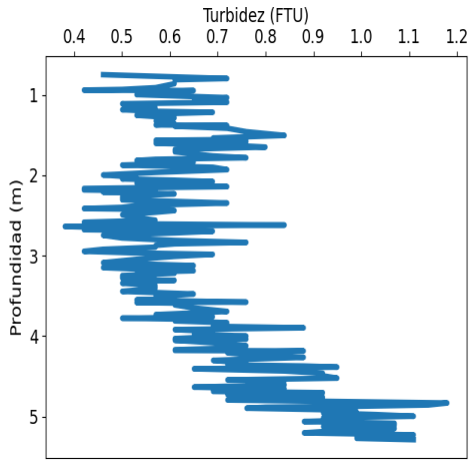
| 4.279 | 22.41 | 63.87 | 1.03 | 6.18 | 80.65 | 1.11 | 45.78 |
|---|---|---|---|---|---|---|---|
| 4.3 | 22.41 | 63.87 | 1.11 | 6.18 | 78.22 | 1.05 | 45.78 |
| 4.345 | 22.41 | 63.87 | 0.99 | 6.17 | 73.99 | 1.1 | 45.78 |
| 4.387 | 22.41 | 63.88 | 1.14 | 6.16 | 72.6 | 1.15 | 45.78 |
| 4.401 | 22.41 | 63.87 | 0.99 | 6.16 | 72.33 | 1.14 | 45.78 |
| 4.402 | 22.41 | 63.87 | 0.95 | 6.16 | 68.77 | 1.25 | 45.78 |
| 4.431 | 22.41 | 63.87 | 0.99 | 6.17 | 68.34 | 1.17 | 45.78 |
| 4.479 | 22.41 | 63.87 | 1.11 | 6.18 | 67.02 | 1.17 | 45.78 |
| 4.516 | 22.41 | 63.87 | 0.95 | 6.18 | 65.99 | 1.1 | 45.78 |
| 4.518 | 22.41 | 63.87 | 0.99 | 6.18 | 64.89 | 1.22 | 45.78 |
| 4.531 | 22.41 | 63.87 | 1.14 | 6.19 | 65.74 | 1.21 | 45.78 |
| 4.574 | 22.41 | 63.87 | 1.11 | 6.19 | 64.94 | 1.14 | 45.78 |
| 4.62 | 22.41 | 63.87 | 1.07 | 6.2 | 63.07 | 1.11 | 45.78 |
| 4.633 | 22.41 | 63.87 | 0.92 | 6.17 | 61.83 | 1.14 | 45.78 |
| 4.661 | 22.41 | 63.87 | 0.99 | 6.17 | 61.18 | 1.23 | 45.78 |
| 4.713 | 22.41 | 63.88 | 1.11 | 6.16 | 59.24 | 1.11 | 45.78 |
| 4.753 | 22.41 | 63.87 | 0.99 | 6.16 | 57.23 | 1.05 | 45.78 |
| 4.757 | 22.41 | 63.87 | 1.11 | 6.16 | 56.46 | 1.11 | 45.78 |
| 4.794 | 22.41 | 63.87 | 1.03 | 6.17 | 55.62 | 1.11 | 45.78 |
| 4.846 | 22.41 | 63.88 | 0.95 | 6.17 | 54.16 | 1.03 | 45.78 |
| 4.874 | 22.41 | 63.88 | 1.07 | 6.17 | 52.24 | 1.09 | 45.78 |
| 4.889 | 22.41 | 63.87 | 1.03 | 6.17 | 51.9 | 1.07 | 45.77 |
| 4.929 | 22.41 | 63.88 | 1.18 | 6.18 | 50.85 | 1.77 | 45.78 |
| 4.973 | 22.41 | 63.88 | 0.99 | 6.18 | 49.39 | 1.28 | 45.78 |
| 4.998 | 22.41 | 63.88 | 1.11 | 6.18 | 49.05 | 1.02 | 45.78 |
| 5.0 | 22.41 | 63.88 | 0.99 | 6.18 | 49.23 | 1.11 | 45.78 |
| 5.001 | 22.42 | 63.88 | 0.95 | 6.18 | 49.21 | 1.18 | 45.78 |
| 5.024 | 22.41 | 63.87 | 1.03 | 6.18 | 48.86 | 1.15 | 45.78 |
| 5.066 | 22.41 | 63.88 | 1.18 | 6.19 | 48.4 | 1.03 | 45.78 |
| 5.099 | 22.41 | 63.88 | 0.99 | 6.18 | 47.97 | 1.08 | 45.78 |
| 5.111 | 22.42 | 63.88 | 0.99 | 6.18 | 47.61 | 1.11 | 45.78 |
| 5.112 | 22.42 | 63.88 | 1.18 | 6.18 | 47.86 | 1.23 | 45.77 |
| 5.125 | 22.42 | 63.88 | 1.11 | 6.19 | 48.52 | 1.17 | 45.78 |
| 5.158 | 22.42 | 63.88 | 1.07 | 6.19 | 48.66 | 1.0 | 45.78 |
| 5.196 | 22.42 | 63.88 | 1.14 | 6.18 | 47.66 | 1.35 | 45.78 |
| 5.22 | 22.42 | 63.88 | 1.14 | 6.18 | 47.3 | 1.07 | 45.77 |
| 5.23 | 22.42 | 63.88 | 1.3 | 6.18 | 47.75 | 1.01 | 45.77 |
| 5.24 | 22.42 | 63.88 | 1.03 | 6.19 | 48.3 | 1.05 | 45.78 |
| 5.264 | 22.42 | 63.88 | 1.18 | 6.19 | 48.52 | 1.0 | 45.77 |
| 5.293 | 22.42 | 63.88 | 0.99 | 6.19 | 48.12 | 1.14 | 45.77 |
| 5.309 | 22.42 | 63.88 | 0.99 | 6.2 | 47.65 | 1.25 | 45.78 |
| 5.319 | 22.42 | 63.88 | 1.11 | 6.2 | 47.3 | 1.14 | 45.78 |
| 5.34 | 22.42 | 63.88 | 1.03 | 6.2 | 47.12 | 1.11 | 45.78 |
| 5.377 | 22.41 | 63.88 | 1.14 | 6.2 | 47.21 | 1.08 | 45.78 |
| 5.413 | 22.42 | 63.88 | 1.11 | 6.2 | 47.29 | 1.08 | 45.78 |
| 5.425 | 22.42 | 63.88 | 1.03 | 6.19 | 46.49 | 0.98 | 45.77 |
| 5.45 | 22.42 | 63.88 | 1.11 | 6.19 | 46.18 | 1.16 | 45.77 |
| 5.497 | 22.42 | 63.88 | 1.07 | 6.2 | 46.52 | 1.17 | 45.78 |
| 5.54 | 22.42 | 63.88 | 0.84 | 6.2 | 46.39 | 1.17 | 45.78 |
| 5.547 | 22.42 | 63.88 | 1.03 | 6.2 | 45.46 | 1.2 | 45.77 |
| 5.567 | 22.42 | 63.88 | 0.99 | 6.2 | 45.9 | 1.08 | 45.77 |
| 5.607 | 22.42 | 63.88 | 1.03 | 6.2 | 45.74 | 1.21 | 45.78 |
| 5.635 | 22.42 | 63.88 | 0.95 | 6.19 | 44.93 | 1.21 | 45.78 |
| 5.642 | 22.42 | 63.88 | 0.92 | 6.19 | 44.17 | 1.11 | 45.77 |

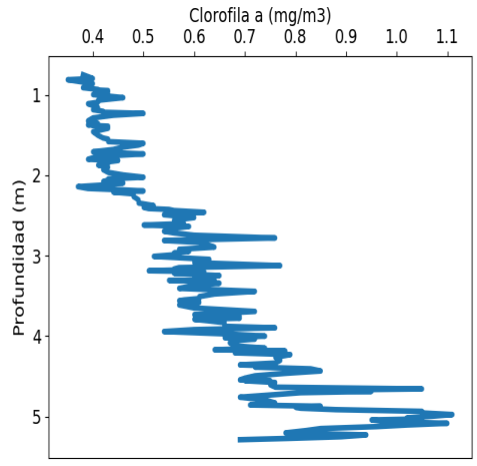
**Nombre: CTD E05 - Punto 007** **Fecha: 22/10/2024** **Hora: 10:10:00**

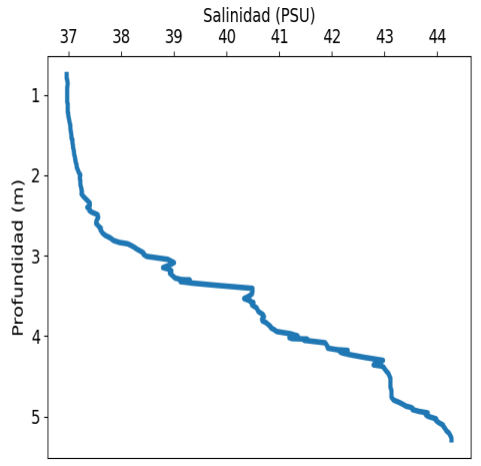


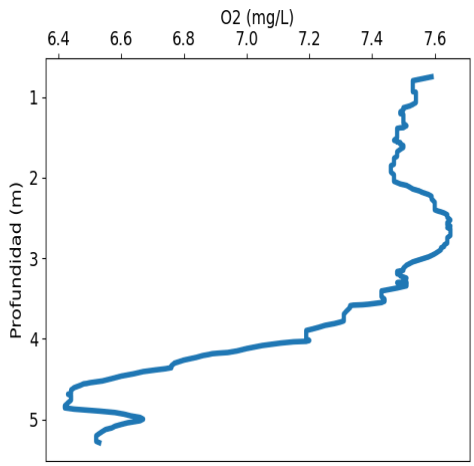



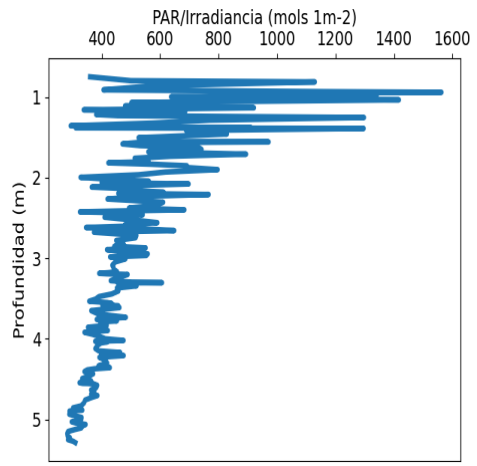




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 20.36 | 50.74 | 0.38 | 6.42 | 281.96 | 0.35 | 36.96 |
| **PROF (metros)** | 1.929 | 0.747 | 2.636 | 4.832 | 5.176 | 0.81 | 0.747 |
| **MÁXIMO** | 21.87 | 21.87 | 1.18 | 7.65 | 1562.6 | 1.11 | 44.27 |
| **PROF (metros)** | 5.289 | 5.272 | 4.832 | 2.525 | 0.939 | 4.976 | 5.272 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E05 - Punto 007 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 20.43 | 50.77 | 0.56 | 7.54 | 867.29 | 0.4 | 36.97 |
| 1 - 2m | 20.41 | 50.86 | 0.64 | 7.49 | 653.41 | 0.43 | 37.06 |
| 2 - 3m | 20.48 | 51.56 | 0.55 | 7.6 | 506.24 | 0.53 | 37.58 |
| 3 - 4m | 21.1 | 55.17 | 0.6 | 7.4 | 431.77 | 0.62 | 39.97 |
| 4 - 5m | 21.65 | 59.29 | 0.81 | 6.69 | 369.45 | 0.78 | 42.81 |
| 5 - 6m | 21.83 | 61.12 | 1.0 | 6.56 | 306.27 | 0.92 | 44.12 |

| OBSERVACIONES GENERALES |
|---|
| |

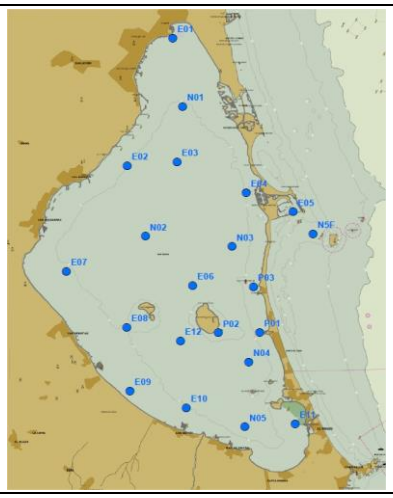
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.747 | 20.41 | 50.74 | 0.46 | 7.59 | 360.31 | 0.38 | 36.96 |
| 0.795 | 20.42 | 50.74 | 0.72 | 7.53 | 500.16 | 0.4 | 36.96 |
| 0.81 | 20.42 | 50.76 | 0.61 | 7.53 | 1129.6 | 0.35 | 36.97 |
| 0.859 | 20.42 | 50.78 | 0.61 | 7.53 | 572.13 | 0.4 | 36.98 |
| 0.909 | 20.43 | 50.77 | 0.57 | 7.53 | 405.81 | 0.38 | 36.97 |
| 0.931 | 20.43 | 50.77 | 0.5 | 7.53 | 1163.6 | 0.41 | 36.97 |
| 0.939 | 20.43 | 50.78 | 0.42 | 7.54 | 1562.6 | 0.41 | 36.97 |
| 0.945 | 20.43 | 50.78 | 0.65 | 7.54 | 998.8 | 0.43 | 36.97 |
| 0.962 | 20.43 | 50.78 | 0.57 | 7.54 | 1342.8 | 0.43 | 36.97 |
| 0.995 | 20.43 | 50.78 | 0.53 | 7.54 | 637.09 | 0.4 | 36.97 |
| 1.033 | 20.44 | 50.78 | 0.72 | 7.54 | 1417.0 | 0.46 | 36.97 |
| 1.066 | 20.44 | 50.78 | 0.65 | 7.54 | 501.56 | 0.41 | 36.97 |
| 1.09 | 20.44 | 50.78 | 0.72 | 7.53 | 752.44 | 0.41 | 36.97 |
| 1.109 | 20.44 | 50.78 | 0.5 | 7.52 | 479.62 | 0.39 | 36.98 |
| 1.131 | 20.44 | 50.78 | 0.53 | 7.5 | 921.19 | 0.4 | 36.98 |
| 1.157 | 20.43 | 50.78 | 0.57 | 7.5 | 338.22 | 0.41 | 36.98 |
| 1.183 | 20.43 | 50.78 | 0.5 | 7.49 | 686.14 | 0.4 | 36.98 |
| 1.203 | 20.43 | 50.79 | 0.57 | 7.49 | 585.41 | 0.42 | 36.98 |
| 1.215 | 20.43 | 50.79 | 0.69 | 7.5 | 380.92 | 0.42 | 36.98 |
| 1.229 | 20.43 | 50.79 | 0.61 | 7.5 | 454.72 | 0.5 | 36.99 |
| 1.252 | 20.43 | 50.8 | 0.53 | 7.5 | 1297.8 | 0.44 | 36.99 |
| 1.285 | 20.43 | 50.81 | 0.61 | 7.5 | 770.26 | 0.4 | 37.0 |
| 1.322 | 20.43 | 50.82 | 0.57 | 7.5 | 573.19 | 0.39 | 37.01 |
| 1.355 | 20.43 | 50.83 | 0.61 | 7.51 | 293.7 | 0.41 | 37.02 |
| 1.372 | 20.43 | 50.84 | 0.57 | 7.5 | 602.48 | 0.39 | 37.03 |
| 1.378 | 20.43 | 50.84 | 0.69 | 7.5 | 911.0 | 0.41 | 37.03 |
| 1.38 | 20.43 | 50.84 | 0.72 | 7.49 | 311.0 | 0.4 | 37.03 |
| 1.388 | 20.43 | 50.84 | 0.61 | 7.48 | 1296.6 | 0.43 | 37.03 |
| 1.414 | 20.43 | 50.84 | 0.72 | 7.48 | 688.85 | 0.43 | 37.03 |
| 1.457 | 20.43 | 50.86 | 0.76 | 7.48 | 828.61 | 0.4 | 37.04 |
| 1.503 | 20.43 | 50.86 | 0.84 | 7.48 | 525.96 | 0.41 | 37.05 |
| 1.535 | 20.42 | 50.87 | 0.69 | 7.47 | 635.91 | 0.42 | 37.05 |
| 1.549 | 20.42 | 50.87 | 0.76 | 7.48 | 546.72 | 0.43 | 37.06 |
| 1.555 | 20.42 | 50.87 | 0.72 | 7.48 | 971.4 | 0.43 | 37.07 |
| 1.564 | 20.42 | 50.87 | 0.57 | 7.49 | 520.63 | 0.43 | 37.07 |
| 1.58 | 20.41 | 50.87 | 0.76 | 7.49 | 470.91 | 0.43 | 37.07 |

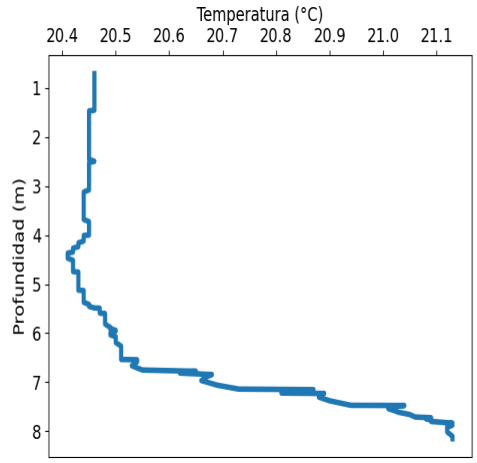
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.601 | 20.41 | 50.88 | 0.57 | 7.5 | 531.85 | 0.5 | 37.07 |
| 1.623 | 20.41 | 50.88 | 0.72 | 7.5 | 731.13 | 0.49 | 37.08 |
| 1.648 | 20.41 | 50.88 | 0.8 | 7.49 | 742.05 | 0.46 | 37.08 |
| 1.678 | 20.4 | 50.89 | 0.61 | 7.48 | 559.15 | 0.44 | 37.09 |
| 1.707 | 20.4 | 50.89 | 0.61 | 7.48 | 894.47 | 0.4 | 37.1 |
| 1.733 | 20.4 | 50.9 | 0.65 | 7.48 | 635.76 | 0.5 | 37.1 |
| 1.758 | 20.39 | 50.9 | 0.69 | 7.47 | 512.6 | 0.43 | 37.11 |
| 1.781 | 20.39 | 50.9 | 0.76 | 7.47 | 526.7 | 0.4 | 37.12 |
| 1.8 | 20.38 | 50.91 | 0.57 | 7.47 | 560.71 | 0.39 | 37.12 |
| 1.815 | 20.38 | 50.91 | 0.53 | 7.47 | 422.6 | 0.45 | 37.13 |
| 1.832 | 20.38 | 50.91 | 0.65 | 7.47 | 570.41 | 0.43 | 37.13 |
| 1.851 | 20.37 | 50.92 | 0.61 | 7.46 | 691.73 | 0.43 | 37.14 |
| 1.872 | 20.37 | 50.92 | 0.5 | 7.46 | 685.98 | 0.41 | 37.15 |
| 1.899 | 20.37 | 50.92 | 0.69 | 7.46 | 797.15 | 0.43 | 37.15 |
| 1.929 | 20.36 | 50.94 | 0.72 | 7.46 | 617.89 | 0.42 | 37.17 |
| 1.963 | 20.36 | 50.97 | 0.57 | 7.47 | 526.7 | 0.43 | 37.19 |
| 1.995 | 20.36 | 51.0 | 0.46 | 7.47 | 327.5 | 0.46 | 37.22 |
| 2.023 | 20.36 | 50.99 | 0.53 | 7.47 | 448.75 | 0.5 | 37.21 |
| 2.044 | 20.36 | 50.99 | 0.5 | 7.47 | 562.01 | 0.43 | 37.21 |
| 2.06 | 20.36 | 51.0 | 0.61 | 7.48 | 399.55 | 0.43 | 37.22 |
| 2.077 | 20.36 | 51.0 | 0.69 | 7.49 | 697.85 | 0.42 | 37.22 |
| 2.095 | 20.36 | 51.0 | 0.53 | 7.51 | 524.38 | 0.46 | 37.22 |
| 2.116 | 20.36 | 51.0 | 0.57 | 7.52 | 365.78 | 0.43 | 37.22 |
| 2.14 | 20.36 | 51.01 | 0.72 | 7.53 | 518.82 | 0.37 | 37.23 |
| 2.163 | 20.36 | 51.02 | 0.42 | 7.55 | 537.42 | 0.39 | 37.24 |
| 2.181 | 20.36 | 51.03 | 0.42 | 7.56 | 612.62 | 0.46 | 37.24 |
| 2.194 | 20.36 | 51.03 | 0.57 | 7.57 | 456.51 | 0.5 | 37.25 |
| 2.208 | 20.36 | 51.04 | 0.46 | 7.58 | 766.35 | 0.44 | 37.25 |
| 2.23 | 20.36 | 51.03 | 0.61 | 7.59 | 549.64 | 0.48 | 37.24 |
| 2.264 | 20.37 | 51.08 | 0.5 | 7.59 | 419.77 | 0.48 | 37.28 |
| 2.304 | 20.37 | 51.16 | 0.5 | 7.6 | 610.63 | 0.49 | 37.34 |
| 2.344 | 20.38 | 51.24 | 0.72 | 7.6 | 583.11 | 0.49 | 37.4 |
| 2.376 | 20.41 | 51.28 | 0.53 | 7.6 | 493.26 | 0.52 | 37.4 |
| 2.398 | 20.42 | 51.23 | 0.5 | 7.6 | 683.28 | 0.5 | 37.35 |
| 2.413 | 20.42 | 51.27 | 0.42 | 7.61 | 457.04 | 0.51 | 37.39 |
| 2.424 | 20.43 | 51.29 | 0.57 | 7.62 | 325.53 | 0.55 | 37.4 |
| 2.438 | 20.44 | 51.29 | 0.61 | 7.63 | 507.87 | 0.56 | 37.39 |
| 2.459 | 20.44 | 51.35 | 0.57 | 7.64 | 540.92 | 0.62 | 37.44 |
| 2.49 | 20.45 | 51.5 | 0.5 | 7.64 | 409.59 | 0.54 | 37.55 |
| 2.525 | 20.48 | 51.54 | 0.53 | 7.65 | 508.46 | 0.6 | 37.56 |
| 2.558 | 20.51 | 51.54 | 0.57 | 7.64 | 590.73 | 0.56 | 37.53 |
| 2.583 | 20.52 | 51.53 | 0.42 | 7.64 | 479.62 | 0.56 | 37.52 |
| 2.6 | 20.51 | 51.53 | 0.46 | 7.65 | 498.2 | 0.58 | 37.52 |
| 2.618 | 20.51 | 51.57 | 0.84 | 7.64 | 346.23 | 0.5 | 37.55 |
| 2.636 | 20.52 | 51.6 | 0.38 | 7.65 | 546.47 | 0.59 | 37.57 |
| 2.656 | 20.52 | 51.65 | 0.5 | 7.65 | 648.56 | 0.56 | 37.61 |
| 2.676 | 20.53 | 51.64 | 0.42 | 7.65 | 373.23 | 0.56 | 37.6 |
| 2.695 | 20.54 | 51.68 | 0.69 | 7.65 | 446.47 | 0.54 | 37.62 |
| 2.716 | 20.54 | 51.71 | 0.61 | 7.65 | 519.18 | 0.56 | 37.64 |
| 2.745 | 20.54 | 51.77 | 0.46 | 7.64 | 516.06 | 0.6 | 37.69 |
| 2.779 | 20.55 | 51.9 | 0.5 | 7.64 | 449.48 | 0.76 | 37.79 |
| 2.81 | 20.56 | 51.99 | 0.61 | 7.64 | 472.12 | 0.54 | 37.85 |
| 2.834 | 20.58 | 52.13 | 0.76 | 7.63 | 476.84 | 0.61 | 37.96 |
| 2.852 | 20.6 | 52.35 | 0.61 | 7.63 | 442.96 | 0.62 | 38.12 |
| 2.871 | 20.63 | 52.47 | 0.57 | 7.62 | 550.92 | 0.63 | 38.18 |
| 2.893 | 20.65 | 52.56 | 0.57 | 7.62 | 418.03 | 0.64 | 38.24 |
| 2.92 | 20.67 | 52.65 | 0.46 | 7.61 | 474.75 | 0.57 | 38.3 |
| 2.945 | 20.69 | 52.76 | 0.42 | 7.6 | 557.86 | 0.59 | 38.37 |

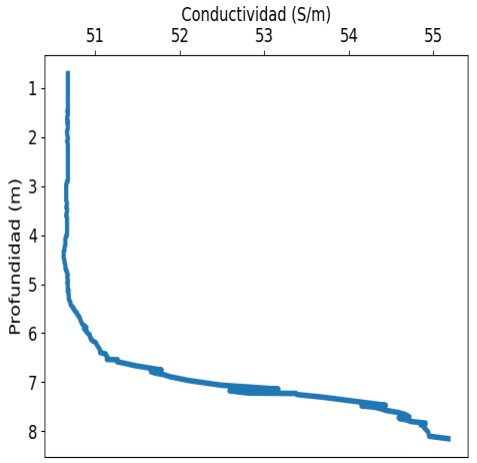
| 2.965 | 20.71 | 52.84 | 0.53 | 7.59 | 552.97 | 0.56 | 38.42 |
|---|---|---|---|---|---|---|---|
| 2.983 | 20.73 | 52.87 | 0.69 | 7.58 | 428.62 | 0.57 | 38.42 |
| 3.008 | 20.74 | 52.95 | 0.61 | 7.56 | 481.62 | 0.52 | 38.48 |
| 3.045 | 20.75 | 53.45 | 0.53 | 7.53 | 446.78 | 0.63 | 38.88 |
| 3.086 | 20.79 | 53.65 | 0.46 | 7.51 | 436.14 | 0.6 | 39.0 |
| 3.123 | 20.84 | 53.56 | 0.65 | 7.5 | 441.53 | 0.77 | 38.89 |
| 3.148 | 20.86 | 53.46 | 0.46 | 7.5 | 442.45 | 0.57 | 38.79 |
| 3.165 | 20.85 | 53.57 | 0.53 | 7.48 | 452.61 | 0.56 | 38.89 |
| 3.178 | 20.85 | 53.63 | 0.53 | 7.48 | 425.75 | 0.56 | 38.93 |
| 3.187 | 20.86 | 53.66 | 0.65 | 7.48 | 391.3 | 0.51 | 38.95 |
| 3.193 | 20.87 | 53.66 | 0.61 | 7.48 | 419.09 | 0.57 | 38.95 |
| 3.201 | 20.87 | 53.65 | 0.61 | 7.49 | 489.27 | 0.62 | 38.94 |
| 3.218 | 20.87 | 53.63 | 0.61 | 7.49 | 474.86 | 0.56 | 38.92 |
| 3.247 | 20.87 | 53.69 | 0.5 | 7.51 | 453.14 | 0.65 | 38.97 |
| 3.278 | 20.87 | 53.75 | 0.5 | 7.5 | 430.81 | 0.6 | 39.02 |
| 3.297 | 20.88 | 53.91 | 0.57 | 7.51 | 503.07 | 0.64 | 39.14 |
| 3.303 | 20.89 | 54.12 | 0.57 | 7.48 | 606.82 | 0.61 | 39.3 |
| 3.306 | 20.91 | 54.06 | 0.61 | 7.5 | 454.82 | 0.55 | 39.24 |
| 3.321 | 20.92 | 53.93 | 0.53 | 7.51 | 490.75 | 0.62 | 39.12 |
| 3.342 | 20.92 | 54.24 | 0.5 | 7.51 | 519.78 | 0.65 | 39.37 |
| 3.369 | 20.93 | 54.8 | 0.57 | 7.48 | 451.88 | 0.6 | 39.82 |
| 3.406 | 21.0 | 55.69 | 0.57 | 7.43 | 457.47 | 0.57 | 40.49 |
| 3.443 | 21.11 | 55.82 | 0.5 | 7.43 | 434.72 | 0.72 | 40.49 |
| 3.476 | 21.18 | 55.89 | 0.65 | 7.43 | 390.76 | 0.64 | 40.48 |
| 3.508 | 21.21 | 55.84 | 0.57 | 7.44 | 378.72 | 0.61 | 40.41 |
| 3.533 | 21.22 | 55.75 | 0.61 | 7.44 | 357.15 | 0.61 | 40.33 |
| 3.55 | 21.22 | 55.84 | 0.53 | 7.43 | 418.9 | 0.58 | 40.4 |
| 3.56 | 21.22 | 55.9 | 0.61 | 7.41 | 434.02 | 0.57 | 40.45 |
| 3.57 | 21.22 | 55.9 | 0.69 | 7.39 | 420.45 | 0.6 | 40.45 |
| 3.577 | 21.22 | 55.92 | 0.76 | 7.37 | 438.16 | 0.61 | 40.47 |
| 3.582 | 21.23 | 55.98 | 0.53 | 7.34 | 402.25 | 0.61 | 40.51 |
| 3.589 | 21.24 | 55.98 | 0.61 | 7.33 | 456.51 | 0.59 | 40.5 |
| 3.612 | 21.24 | 55.97 | 0.61 | 7.33 | 461.3 | 0.57 | 40.48 |
| 3.65 | 21.24 | 56.07 | 0.65 | 7.32 | 364.01 | 0.6 | 40.57 |
| 3.693 | 21.25 | 56.13 | 0.72 | 7.31 | 389.4 | 0.72 | 40.6 |
| 3.733 | 21.27 | 56.25 | 0.57 | 7.31 | 483.07 | 0.6 | 40.69 |
| 3.759 | 21.3 | 56.31 | 0.69 | 7.31 | 382.69 | 0.69 | 40.71 |
| 3.769 | 21.32 | 56.3 | 0.61 | 7.31 | 432.61 | 0.68 | 40.69 |
| 3.777 | 21.32 | 56.29 | 0.5 | 7.31 | 452.3 | 0.69 | 40.68 |
| 3.791 | 21.32 | 56.28 | 0.65 | 7.3 | 393.94 | 0.6 | 40.67 |
| 3.811 | 21.32 | 56.3 | 0.61 | 7.28 | 408.07 | 0.63 | 40.68 |
| 3.833 | 21.32 | 56.38 | 0.72 | 7.25 | 417.73 | 0.66 | 40.75 |
| 3.857 | 21.33 | 56.45 | 0.69 | 7.23 | 352.71 | 0.66 | 40.79 |
| 3.878 | 21.34 | 56.5 | 0.69 | 7.21 | 398.07 | 0.66 | 40.83 |
| 3.897 | 21.35 | 56.52 | 0.88 | 7.19 | 421.63 | 0.76 | 40.84 |
| 3.919 | 21.36 | 56.61 | 0.61 | 7.19 | 340.82 | 0.6 | 40.9 |
| 3.943 | 21.36 | 56.68 | 0.69 | 7.19 | 367.91 | 0.54 | 40.95 |
| 3.972 | 21.37 | 57.02 | 0.65 | 7.19 | 393.49 | 0.66 | 41.22 |
| 4.0 | 21.4 | 57.21 | 0.76 | 7.19 | 412.63 | 0.74 | 41.35 |
| 4.02 | 21.43 | 57.05 | 0.65 | 7.2 | 475.3 | 0.66 | 41.19 |
| 4.031 | 21.43 | 57.11 | 0.61 | 7.19 | 377.58 | 0.7 | 41.24 |
| 4.037 | 21.43 | 57.46 | 0.76 | 7.15 | 419.97 | 0.72 | 41.53 |
| 4.052 | 21.45 | 57.41 | 0.61 | 7.11 | 397.15 | 0.69 | 41.47 |
| 4.083 | 21.46 | 57.91 | 0.69 | 7.05 | 385.63 | 0.67 | 41.87 |
| 4.121 | 21.5 | 58.01 | 0.76 | 7.0 | 378.2 | 0.68 | 41.91 |
| 4.15 | 21.53 | 58.05 | 0.72 | 6.97 | 390.31 | 0.74 | 41.92 |
| 4.17 | 21.54 | 58.29 | 0.61 | 6.94 | 463.76 | 0.64 | 42.1 |
| 4.178 | 21.55 | 58.55 | 0.61 | 6.91 | 397.8 | 0.73 | 42.3 |

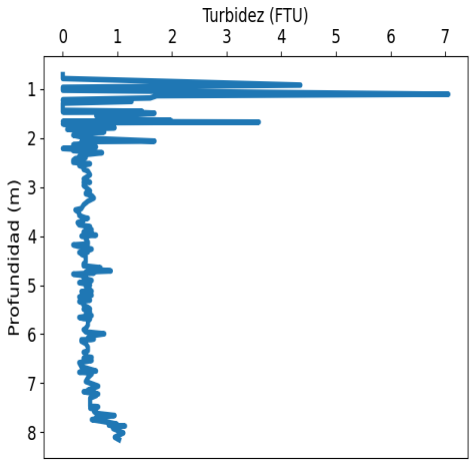
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4.185 | 21.57 | 58.54 | 0.88 | 6.89 | 399.09 | 0.78 | 42.27 |
| 4.194 | 21.59 | 58.41 | 0.8 | 6.88 | 430.51 | 0.71 | 42.15 |
| 4.208 | 21.59 | 58.46 | 0.72 | 6.86 | 475.63 | 0.68 | 42.19 |
| 4.23 | 21.59 | 58.63 | 0.76 | 6.84 | 391.94 | 0.79 | 42.33 |
| 4.264 | 21.6 | 58.98 | 0.88 | 6.8 | 412.54 | 0.76 | 42.61 |
| 4.302 | 21.62 | 59.45 | 0.69 | 6.77 | 419.29 | 0.77 | 42.97 |
| 4.335 | 21.67 | 59.34 | 0.76 | 6.76 | 389.13 | 0.76 | 42.83 |
| 4.358 | 21.68 | 59.3 | 0.72 | 6.76 | 428.42 | 0.69 | 42.79 |
| 4.372 | 21.68 | 59.49 | 0.88 | 6.74 | 375.92 | 0.76 | 42.94 |
| 4.386 | 21.69 | 59.55 | 0.95 | 6.71 | 350.76 | 0.72 | 42.98 |
| 4.407 | 21.7 | 59.57 | 0.65 | 6.67 | 340.82 | 0.83 | 43.0 |
| 4.434 | 21.7 | 59.63 | 0.84 | 6.64 | 371.25 | 0.85 | 43.03 |
| 4.463 | 21.71 | 59.67 | 0.92 | 6.6 | 355.91 | 0.78 | 43.07 |
| 4.494 | 21.71 | 59.71 | 0.92 | 6.57 | 332.93 | 0.72 | 43.09 |
| 4.523 | 21.72 | 59.73 | 0.95 | 6.54 | 364.43 | 0.7 | 43.11 |
| 4.545 | 21.72 | 59.75 | 0.72 | 6.5 | 324.03 | 0.69 | 43.11 |
| 4.553 | 21.72 | 59.75 | 0.84 | 6.49 | 335.49 | 0.75 | 43.11 |
| 4.554 | 21.73 | 59.75 | 0.76 | 6.49 | 351.65 | 0.7 | 43.11 |
| 4.559 | 21.73 | 59.75 | 0.8 | 6.48 | 372.54 | 0.71 | 43.11 |
| 4.577 | 21.73 | 59.75 | 0.8 | 6.47 | 385.01 | 0.76 | 43.11 |
| 4.606 | 21.73 | 59.75 | 0.84 | 6.45 | 381.37 | 0.75 | 43.11 |
| 4.635 | 21.73 | 59.76 | 0.65 | 6.44 | 363.42 | 0.76 | 43.11 |
| 4.657 | 21.73 | 59.77 | 0.84 | 6.44 | 375.23 | 1.05 | 43.12 |
| 4.675 | 21.73 | 59.77 | 0.69 | 6.44 | 368.59 | 0.81 | 43.13 |
| 4.688 | 21.73 | 59.78 | 0.69 | 6.43 | 363.59 | 0.95 | 43.13 |
| 4.704 | 21.73 | 59.78 | 0.92 | 6.44 | 385.9 | 0.81 | 43.13 |
| 4.728 | 21.73 | 59.78 | 0.72 | 6.44 | 366.04 | 0.76 | 43.13 |
| 4.76 | 21.73 | 59.77 | 0.92 | 6.44 | 343.36 | 0.69 | 43.13 |
| 4.795 | 21.72 | 59.81 | 0.72 | 6.43 | 339.79 | 0.74 | 43.17 |
| 4.832 | 21.7 | 59.95 | 1.18 | 6.42 | 329.86 | 0.76 | 43.3 |
| 4.857 | 21.7 | 60.04 | 1.14 | 6.42 | 301.91 | 0.71 | 43.37 |
| 4.873 | 21.71 | 60.1 | 0.99 | 6.45 | 303.81 | 0.85 | 43.41 |
| 4.885 | 21.72 | 60.21 | 0.8 | 6.49 | 334.25 | 0.8 | 43.49 |
| 4.897 | 21.73 | 60.26 | 0.76 | 6.53 | 289.64 | 0.81 | 43.53 |
| 4.915 | 21.73 | 60.27 | 0.92 | 6.58 | 291.26 | 0.88 | 43.53 |
| 4.936 | 21.74 | 60.42 | 0.99 | 6.61 | 288.97 | 1.05 | 43.65 |
| 4.956 | 21.75 | 60.64 | 0.92 | 6.63 | 308.63 | 1.05 | 43.82 |
| 4.976 | 21.77 | 60.62 | 1.03 | 6.66 | 331.55 | 1.11 | 43.78 |
| 4.997 | 21.78 | 60.68 | 1.11 | 6.67 | 330.4 | 1.07 | 43.82 |
| 5.017 | 21.78 | 60.81 | 0.92 | 6.66 | 324.78 | 1.02 | 43.92 |
| 5.03 | 21.8 | 60.89 | 0.99 | 6.64 | 297.26 | 1.05 | 43.98 |
| 5.043 | 21.81 | 60.9 | 0.99 | 6.62 | 309.63 | 0.95 | 43.97 |
| 5.063 | 21.81 | 60.93 | 0.88 | 6.6 | 345.51 | 0.98 | 44.0 |
| 5.085 | 21.82 | 61.0 | 1.07 | 6.58 | 331.78 | 1.1 | 44.05 |
| 5.106 | 21.82 | 61.09 | 1.07 | 6.57 | 330.63 | 1.02 | 44.11 |
| 5.126 | 21.83 | 61.11 | 0.92 | 6.55 | 308.49 | 0.96 | 44.12 |
| 5.15 | 21.84 | 61.16 | 1.07 | 6.54 | 285.31 | 0.85 | 44.15 |
| 5.176 | 21.84 | 61.19 | 0.95 | 6.53 | 281.96 | 0.82 | 44.17 |
| 5.204 | 21.85 | 61.25 | 0.88 | 6.52 | 283.27 | 0.78 | 44.22 |
| 5.229 | 21.85 | 61.29 | 1.11 | 6.52 | 291.86 | 0.94 | 44.24 |
| 5.252 | 21.86 | 61.32 | 0.99 | 6.52 | 284.52 | 0.89 | 44.26 |
| 5.272 | 21.86 | 61.34 | 0.99 | 6.52 | 302.68 | 0.79 | 44.27 |
| 5.289 | 21.87 | 61.34 | 1.11 | 6.53 | 310.14 | 0.69 | 44.27 |

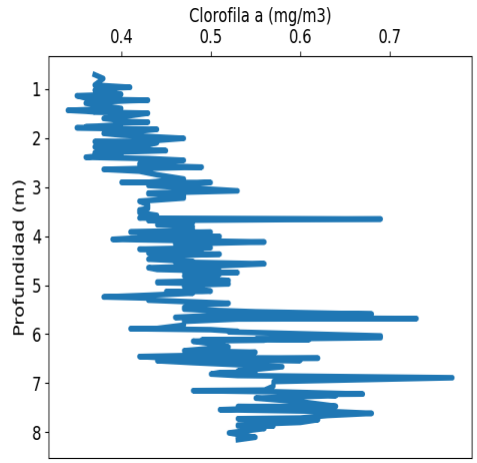
**Nombre: CTD N5F - Punto 008** **Fecha: 22/10/2024** **Hora: 10:10:09**

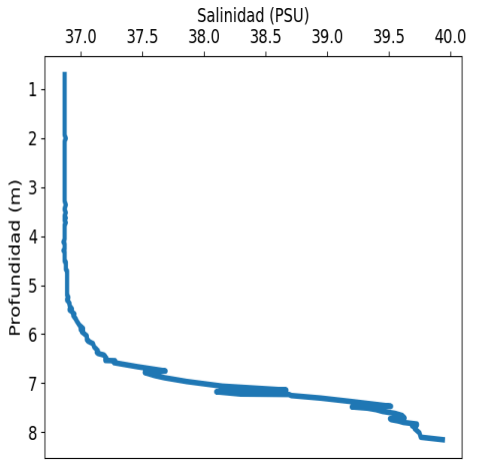


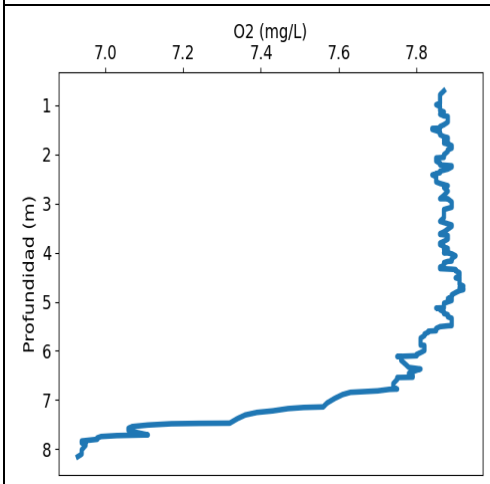



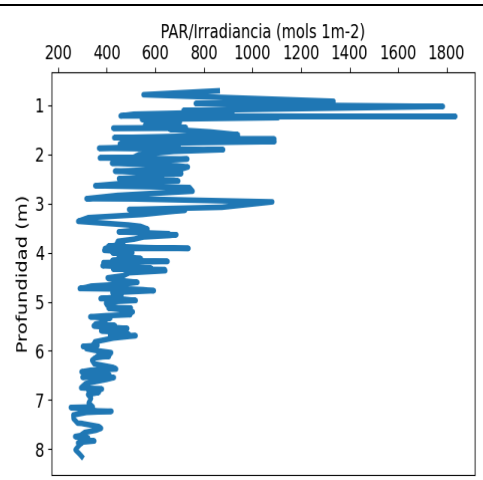




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 20.41 | 50.63 | 0.0 | 6.93 | 251.28 | 0.34 | 36.86 |
| **PROF (metros)** | 4.368 | 4.326 | 0.704 | 8.156 | 7.154 | 1.432 | 4.12 |
| **MÁXIMO** | 21.13 | 21.13 | 7.06 | 7.92 | 1835.3 | 0.77 | 39.94 |
| **PROF (metros)** | 7.837 | 8.156 | 1.104 | 4.681 | 1.225 | 6.891 | 8.156 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD N5F - Punto 008 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 20.46 | 50.68 | 4.35 | 7.86 | 1333.8 | 0.37 | 36.87 |
| 1 - 2m | 20.45 | 50.68 | 1.34 | 7.87 | 747.47 | 0.39 | 36.87 |
| 2 - 3m | 20.45 | 50.68 | 0.43 | 7.86 | 580.91 | 0.42 | 36.87 |
| 3 - 4m | 20.44 | 50.67 | 0.41 | 7.87 | 525.59 | 0.46 | 36.87 |
| 4 - 5m | 20.42 | 50.65 | 0.43 | 7.89 | 468.71 | 0.47 | 36.88 |
| 5 - 6m | 20.46 | 50.76 | 0.44 | 7.85 | 407.61 | 0.49 | 36.93 |
| 6 - 7m | 20.54 | 51.25 | 0.44 | 7.75 | 364.85 | 0.54 | 37.27 |
| 7 - 8m | 20.99 | 54.15 | 0.68 | 7.18 | 311.79 | 0.58 | 39.23 |
| 8 - 9m | 21.13 | 55.02 | 1.03 | 6.94 | 285.51 | 0.53 | 39.82 |

| 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) |
| 0.704 | 20.46 | 50.68 | 0.0 | 7.87 | 857.32 | 0.37 | 36.87 |
| 0.783 | 20.46 | 50.68 | 0.0 | 7.86 | 550.66 | 0.38 | 36.87 |
| 0.917 | 20.46 | 50.68 | 4.35 | 7.86 | 1333.8 | 0.37 | 36.87 |
| 0.962 | 20.46 | 50.68 | 0.0 | 7.86 | 765.64 | 0.41 | 36.87 |
| 0.987 | 20.46 | 50.68 | 0.0 | 7.85 | 991.19 | 0.38 | 36.87 |
| 1.022 | 20.46 | 50.68 | 0.0 | 7.86 | 1784.1 | 0.37 | 36.87 |
| 1.104 | 20.46 | 50.68 | 7.06 | 7.86 | 715.37 | 0.4 | 36.87 |
| 1.134 | 20.46 | 50.68 | 1.72 | 7.87 | 917.78 | 0.35 | 36.87 |
| 1.18 | 20.46 | 50.68 | 1.6 | 7.86 | 511.3 | 0.36 | 36.87 |
| 1.215 | 20.46 | 50.68 | 0.0 | 7.87 | 456.3 | 0.4 | 36.87 |
| 1.225 | 20.46 | 50.68 | 0.0 | 7.88 | 1835.3 | 0.43 | 36.87 |
| 1.235 | 20.46 | 50.68 | 0.0 | 7.88 | 585.0 | 0.41 | 36.87 |
| 1.251 | 20.46 | 50.68 | 1.26 | 7.88 | 1105.0 | 0.39 | 36.87 |
| 1.286 | 20.46 | 50.68 | 0.0 | 7.88 | 544.32 | 0.36 | 36.87 |
| 1.34 | 20.46 | 50.68 | 0.0 | 7.88 | 701.25 | 0.38 | 36.87 |
| 1.394 | 20.46 | 50.68 | 0.0 | 7.87 | 557.6 | 0.4 | 36.87 |
| 1.432 | 20.46 | 50.68 | 0.0 | 7.86 | 680.75 | 0.34 | 36.87 |
| 1.451 | 20.46 | 50.68 | 1.45 | 7.86 | 725.72 | 0.36 | 36.87 |
| 1.464 | 20.45 | 50.68 | 0.0 | 7.86 | 425.95 | 0.37 | 36.87 |
| 1.469 | 20.45 | 50.67 | 1.26 | 7.84 | 725.05 | 0.37 | 36.87 |
| 1.49 | 20.45 | 50.68 | 1.68 | 7.84 | 660.7 | 0.43 | 36.87 |
| 1.541 | 20.45 | 50.68 | 0.61 | 7.86 | 825.73 | 0.41 | 36.87 |
| 1.598 | 20.45 | 50.67 | 0.76 | 7.86 | 940.17 | 0.38 | 36.87 |
| 1.638 | 20.45 | 50.67 | 1.98 | 7.87 | 628.58 | 0.4 | 36.87 |
| 1.659 | 20.45 | 50.68 | 0.0 | 7.88 | 430.01 | 0.4 | 36.87 |
| 1.672 | 20.45 | 50.68 | 3.59 | 7.88 | 703.2 | 0.43 | 36.87 |
| 1.686 | 20.45 | 50.68 | 0.38 | 7.88 | 1090.3 | 0.4 | 36.87 |
| 1.709 | 20.45 | 50.67 | 0.0 | 7.87 | 465.92 | 0.4 | 36.87 |
| 1.738 | 20.45 | 50.68 | 0.23 | 7.88 | 1090.8 | 0.39 | 36.87 |
| 1.768 | 20.45 | 50.68 | 0.65 | 7.87 | 641.83 | 0.36 | 36.87 |
| 1.785 | 20.45 | 50.68 | 0.23 | 7.88 | 453.24 | 0.4 | 36.87 |
| 1.788 | 20.45 | 50.68 | 0.95 | 7.88 | 596.23 | 0.35 | 36.87 |
| 1.82 | 20.45 | 50.68 | 0.08 | 7.89 | 695.59 | 0.44 | 36.87 |

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|---|---|---|---|---|---|---|---|
| 1.873 | 20.45 | 50.67 | 0.76 | 7.89 | 367.65 | 0.41 | 36.87 |
| 1.903 | 20.45 | 50.67 | 0.46 | 7.88 | 879.46 | 0.38 | 36.87 |
| 1.938 | 20.45 | 50.67 | 0.19 | 7.88 | 675.72 | 0.4 | 36.87 |
| 2.004 | 20.45 | 50.68 | 0.46 | 7.87 | 531.97 | 0.47 | 36.88 |
| 2.06 | 20.45 | 50.68 | 1.68 | 7.87 | 509.52 | 0.43 | 36.87 |
| 2.071 | 20.45 | 50.67 | 0.34 | 7.85 | 370.82 | 0.37 | 36.87 |
| 2.093 | 20.45 | 50.67 | 0.5 | 7.85 | 731.97 | 0.44 | 36.87 |
| 2.135 | 20.45 | 50.68 | 0.19 | 7.85 | 589.22 | 0.43 | 36.87 |
| 2.178 | 20.45 | 50.68 | 0.61 | 7.86 | 420.84 | 0.37 | 36.87 |
| 2.212 | 20.45 | 50.68 | 0.0 | 7.86 | 584.33 | 0.4 | 36.87 |
| 2.231 | 20.45 | 50.68 | 0.3 | 7.89 | 688.69 | 0.42 | 36.87 |
| 2.255 | 20.45 | 50.68 | 0.19 | 7.89 | 734.52 | 0.45 | 36.87 |
| 2.298 | 20.45 | 50.68 | 0.72 | 7.88 | 706.14 | 0.37 | 36.87 |
| 2.34 | 20.45 | 50.68 | 0.38 | 7.86 | 433.32 | 0.4 | 36.87 |
| 2.372 | 20.45 | 50.68 | 0.3 | 7.86 | 556.44 | 0.37 | 36.87 |
| 2.389 | 20.45 | 50.68 | 0.3 | 7.85 | 707.13 | 0.36 | 36.87 |
| 2.398 | 20.45 | 50.68 | 0.42 | 7.85 | 601.08 | 0.38 | 36.87 |
| 2.417 | 20.45 | 50.68 | 0.23 | 7.84 | 615.18 | 0.43 | 36.87 |
| 2.452 | 20.45 | 50.68 | 0.19 | 7.85 | 627.13 | 0.47 | 36.87 |
| 2.493 | 20.46 | 50.68 | 0.19 | 7.85 | 449.69 | 0.43 | 36.87 |
| 2.523 | 20.45 | 50.68 | 0.5 | 7.85 | 676.19 | 0.42 | 36.87 |
| 2.541 | 20.45 | 50.68 | 0.42 | 7.85 | 694.78 | 0.42 | 36.87 |
| 2.559 | 20.45 | 50.68 | 0.3 | 7.85 | 574.92 | 0.43 | 36.87 |
| 2.591 | 20.45 | 50.68 | 0.38 | 7.86 | 462.8 | 0.49 | 36.87 |
| 2.637 | 20.45 | 50.68 | 0.38 | 7.88 | 351.9 | 0.38 | 36.87 |
| 2.674 | 20.45 | 50.68 | 0.46 | 7.87 | 741.02 | 0.42 | 36.87 |
| 2.748 | 20.45 | 50.68 | 0.5 | 7.88 | 753.66 | 0.44 | 36.87 |
| 2.834 | 20.45 | 50.68 | 0.38 | 7.87 | 443.89 | 0.47 | 36.87 |
| 2.901 | 20.45 | 50.68 | 0.5 | 7.86 | 315.94 | 0.43 | 36.87 |
| 2.902 | 20.45 | 50.67 | 0.38 | 7.88 | 385.99 | 0.4 | 36.87 |
| 2.906 | 20.45 | 50.67 | 0.42 | 7.88 | 508.93 | 0.5 | 36.87 |
| 2.966 | 20.45 | 50.66 | 0.38 | 7.89 | 1081.7 | 0.43 | 36.87 |
| 3.076 | 20.45 | 50.66 | 0.5 | 7.89 | 873.57 | 0.53 | 36.87 |
| 3.121 | 20.44 | 50.66 | 0.42 | 7.87 | 491.09 | 0.43 | 36.87 |
| 3.136 | 20.44 | 50.66 | 0.42 | 7.87 | 722.7 | 0.43 | 36.87 |
| 3.173 | 20.44 | 50.66 | 0.53 | 7.87 | 643.32 | 0.47 | 36.87 |
| 3.223 | 20.44 | 50.66 | 0.57 | 7.87 | 545.96 | 0.47 | 36.87 |
| 3.287 | 20.44 | 50.66 | 0.46 | 7.87 | 324.1 | 0.42 | 36.87 |
| 3.362 | 20.44 | 50.67 | 0.38 | 7.86 | 281.76 | 0.43 | 36.88 |
| 3.437 | 20.44 | 50.66 | 0.34 | 7.89 | 490.29 | 0.43 | 36.87 |
| 3.465 | 20.44 | 50.67 | 0.23 | 7.89 | 539.05 | 0.42 | 36.87 |
| 3.52 | 20.44 | 50.67 | 0.3 | 7.88 | 568.03 | 0.42 | 36.88 |
| 3.577 | 20.44 | 50.66 | 0.3 | 7.87 | 448.65 | 0.44 | 36.87 |
| 3.614 | 20.44 | 50.66 | 0.38 | 7.86 | 655.06 | 0.43 | 36.87 |
| 3.629 | 20.44 | 50.67 | 0.42 | 7.86 | 595.4 | 0.42 | 36.88 |
| 3.635 | 20.44 | 50.67 | 0.46 | 7.87 | 686.93 | 0.44 | 36.87 |
| 3.651 | 20.44 | 50.67 | 0.38 | 7.88 | 658.56 | 0.69 | 36.87 |
| 3.681 | 20.44 | 50.67 | 0.38 | 7.88 | 551.17 | 0.43 | 36.87 |
| 3.725 | 20.45 | 50.67 | 0.27 | 7.88 | 512.84 | 0.48 | 36.88 |
| 3.769 | 20.45 | 50.67 | 0.3 | 7.87 | 445.23 | 0.44 | 36.87 |
| 3.806 | 20.45 | 50.67 | 0.5 | 7.86 | 441.94 | 0.48 | 36.87 |
| 3.837 | 20.45 | 50.67 | 0.42 | 7.86 | 468.84 | 0.47 | 36.87 |
| 3.869 | 20.45 | 50.67 | 0.53 | 7.87 | 405.81 | 0.48 | 36.87 |
| 3.898 | 20.45 | 50.67 | 0.42 | 7.87 | 571.34 | 0.46 | 36.87 |
| 3.914 | 20.45 | 50.67 | 0.38 | 7.88 | 736.91 | 0.41 | 36.87 |
| 3.917 | 20.45 | 50.67 | 0.53 | 7.88 | 391.58 | 0.41 | 36.87 |
| 3.918 | 20.45 | 50.67 | 0.42 | 7.87 | 418.22 | 0.5 | 36.87 |
| 3.928 | 20.45 | 50.67 | 0.46 | 7.87 | 402.81 | 0.47 | 36.87 |

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|---|---|---|---|---|---|---|---|
| 3.953 | 20.45 | 50.67 | 0.38 | 7.88 | 388.95 | 0.47 | 36.87 |
| 3.98 | 20.45 | 50.67 | 0.61 | 7.88 | 476.18 | 0.46 | 36.87 |
| 3.999 | 20.45 | 50.67 | 0.34 | 7.87 | 505.76 | 0.43 | 36.87 |
| 4.006 | 20.44 | 50.66 | 0.42 | 7.87 | 423.78 | 0.51 | 36.87 |
| 4.007 | 20.44 | 50.66 | 0.46 | 7.88 | 441.02 | 0.42 | 36.87 |
| 4.024 | 20.44 | 50.66 | 0.42 | 7.89 | 459.06 | 0.43 | 36.87 |
| 4.065 | 20.44 | 50.65 | 0.42 | 7.9 | 448.44 | 0.39 | 36.87 |
| 4.12 | 20.44 | 50.65 | 0.46 | 7.89 | 540.55 | 0.56 | 36.86 |
| 4.16 | 20.43 | 50.65 | 0.46 | 7.89 | 422.31 | 0.46 | 36.87 |
| 4.172 | 20.43 | 50.65 | 0.27 | 7.89 | 597.06 | 0.48 | 36.87 |
| 4.179 | 20.43 | 50.65 | 0.19 | 7.88 | 650.67 | 0.49 | 36.87 |
| 4.204 | 20.43 | 50.65 | 0.27 | 7.87 | 385.45 | 0.47 | 36.87 |
| 4.236 | 20.43 | 50.64 | 0.42 | 7.87 | 418.12 | 0.5 | 36.87 |
| 4.266 | 20.42 | 50.64 | 0.53 | 7.87 | 382.07 | 0.42 | 36.87 |
| 4.294 | 20.42 | 50.64 | 0.38 | 7.86 | 489.95 | 0.48 | 36.86 |
| 4.316 | 20.42 | 50.64 | 0.46 | 7.86 | 582.3 | 0.48 | 36.87 |
| 4.326 | 20.42 | 50.63 | 0.46 | 7.86 | 425.75 | 0.46 | 36.87 |
| 4.329 | 20.42 | 50.63 | 0.42 | 7.87 | 445.64 | 0.47 | 36.87 |
| 4.334 | 20.42 | 50.63 | 0.3 | 7.88 | 426.34 | 0.49 | 36.87 |
| 4.338 | 20.42 | 50.63 | 0.34 | 7.89 | 507.87 | 0.45 | 36.87 |
| 4.345 | 20.42 | 50.63 | 0.42 | 7.9 | 639.01 | 0.43 | 36.87 |
| 4.368 | 20.41 | 50.63 | 0.34 | 7.9 | 641.39 | 0.51 | 36.87 |
| 4.41 | 20.41 | 50.63 | 0.42 | 7.91 | 492.11 | 0.44 | 36.87 |
| 4.471 | 20.41 | 50.63 | 0.42 | 7.91 | 467.11 | 0.43 | 36.87 |
| 4.514 | 20.42 | 50.64 | 0.42 | 7.9 | 402.9 | 0.48 | 36.87 |
| 4.53 | 20.42 | 50.64 | 0.42 | 7.91 | 407.22 | 0.46 | 36.88 |
| 4.565 | 20.42 | 50.64 | 0.38 | 7.91 | 449.79 | 0.56 | 36.88 |
| 4.605 | 20.42 | 50.65 | 0.38 | 7.91 | 526.45 | 0.51 | 36.88 |
| 4.645 | 20.42 | 50.65 | 0.69 | 7.91 | 461.09 | 0.43 | 36.88 |
| 4.681 | 20.42 | 50.65 | 0.61 | 7.92 | 336.11 | 0.44 | 36.88 |
| 4.711 | 20.42 | 50.66 | 0.88 | 7.91 | 311.94 | 0.51 | 36.89 |
| 4.731 | 20.42 | 50.66 | 0.42 | 7.92 | 288.3 | 0.47 | 36.89 |
| 4.744 | 20.42 | 50.67 | 0.46 | 7.92 | 500.4 | 0.53 | 36.89 |
| 4.754 | 20.43 | 50.67 | 0.57 | 7.92 | 548.62 | 0.49 | 36.89 |
| 4.775 | 20.43 | 50.67 | 0.19 | 7.91 | 594.3 | 0.51 | 36.89 |
| 4.814 | 20.43 | 50.68 | 0.42 | 7.9 | 422.41 | 0.47 | 36.89 |
| 4.86 | 20.43 | 50.67 | 0.38 | 7.89 | 460.98 | 0.48 | 36.89 |
| 4.905 | 20.43 | 50.68 | 0.53 | 7.89 | 448.96 | 0.52 | 36.89 |
| 4.936 | 20.43 | 50.68 | 0.5 | 7.88 | 373.58 | 0.44 | 36.89 |
| 4.95 | 20.43 | 50.68 | 0.3 | 7.89 | 472.44 | 0.44 | 36.89 |
| 4.975 | 20.43 | 50.67 | 0.42 | 7.89 | 519.66 | 0.52 | 36.89 |
| 5.003 | 20.43 | 50.68 | 0.5 | 7.88 | 400.11 | 0.47 | 36.89 |
| 5.031 | 20.43 | 50.68 | 0.42 | 7.87 | 396.32 | 0.47 | 36.89 |
| 5.071 | 20.43 | 50.68 | 0.46 | 7.87 | 401.5 | 0.48 | 36.89 |
| 5.123 | 20.43 | 50.68 | 0.53 | 7.87 | 447.3 | 0.5 | 36.89 |
| 5.129 | 20.44 | 50.69 | 0.38 | 7.85 | 499.59 | 0.49 | 36.89 |
| 5.131 | 20.44 | 50.68 | 0.34 | 7.86 | 406.84 | 0.45 | 36.89 |
| 5.164 | 20.44 | 50.68 | 0.46 | 7.86 | 464.09 | 0.48 | 36.89 |
| 5.207 | 20.44 | 50.69 | 0.53 | 7.87 | 507.64 | 0.43 | 36.89 |
| 5.242 | 20.44 | 50.69 | 0.3 | 7.87 | 462.26 | 0.38 | 36.9 |
| 5.264 | 20.44 | 50.69 | 0.42 | 7.88 | 497.04 | 0.43 | 36.9 |
| 5.285 | 20.44 | 50.69 | 0.42 | 7.88 | 396.97 | 0.43 | 36.89 |
| 5.308 | 20.44 | 50.69 | 0.5 | 7.88 | 331.47 | 0.43 | 36.89 |
| 5.336 | 20.44 | 50.7 | 0.3 | 7.89 | 414.94 | 0.47 | 36.9 |
| 5.371 | 20.44 | 50.71 | 0.38 | 7.89 | 380.04 | 0.52 | 36.91 |
| 5.414 | 20.45 | 50.71 | 0.38 | 7.89 | 393.85 | 0.48 | 36.91 |
| 5.455 | 20.45 | 50.73 | 0.46 | 7.89 | 352.38 | 0.47 | 36.92 |
| 5.487 | 20.46 | 50.74 | 0.5 | 7.89 | 433.92 | 0.47 | 36.93 |

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|---|---|---|---|---|---|---|---|
| 5.491 | 20.47 | 50.75 | 0.38 | 7.88 | 345.59 | 0.47 | 36.91 |
| 5.508 | 20.47 | 50.75 | 0.46 | 7.86 | 384.03 | 0.49 | 36.91 |
| 5.545 | 20.47 | 50.76 | 0.5 | 7.85 | 484.76 | 0.55 | 36.93 |
| 5.591 | 20.47 | 50.79 | 0.42 | 7.85 | 376.01 | 0.68 | 36.95 |
| 5.601 | 20.48 | 50.79 | 0.42 | 7.83 | 383.58 | 0.5 | 36.94 |
| 5.621 | 20.48 | 50.79 | 0.53 | 7.83 | 468.19 | 0.5 | 36.94 |
| 5.659 | 20.48 | 50.81 | 0.3 | 7.82 | 490.41 | 0.46 | 36.95 |
| 5.683 | 20.48 | 50.82 | 0.38 | 7.82 | 412.73 | 0.73 | 36.96 |
| 5.692 | 20.48 | 50.82 | 0.5 | 7.82 | 519.3 | 0.53 | 36.96 |
| 5.74 | 20.48 | 50.83 | 0.46 | 7.81 | 427.03 | 0.47 | 36.97 |
| 5.817 | 20.48 | 50.85 | 0.46 | 7.81 | 350.84 | 0.47 | 36.99 |
| 5.885 | 20.49 | 50.9 | 0.42 | 7.81 | 343.28 | 0.44 | 37.02 |
| 5.89 | 20.49 | 50.87 | 0.42 | 7.82 | 362.16 | 0.41 | 37.0 |
| 5.91 | 20.49 | 50.87 | 0.38 | 7.82 | 301.07 | 0.5 | 37.0 |
| 5.944 | 20.5 | 50.9 | 0.42 | 7.82 | 353.04 | 0.53 | 37.02 |
| 5.955 | 20.5 | 50.89 | 0.42 | 7.82 | 315.14 | 0.52 | 37.01 |
| 5.994 | 20.49 | 50.91 | 0.76 | 7.82 | 355.34 | 0.6 | 37.03 |
| 6.037 | 20.49 | 50.94 | 0.5 | 7.81 | 418.41 | 0.69 | 37.05 |
| 6.073 | 20.5 | 50.94 | 0.46 | 7.8 | 411.87 | 0.69 | 37.05 |
| 6.101 | 20.5 | 50.95 | 0.57 | 7.8 | 389.4 | 0.55 | 37.05 |
| 6.111 | 20.5 | 50.95 | 0.53 | 7.77 | 360.73 | 0.61 | 37.05 |
| 6.114 | 20.5 | 50.95 | 0.5 | 7.76 | 409.4 | 0.55 | 37.05 |
| 6.116 | 20.5 | 50.95 | 0.34 | 7.75 | 404.87 | 0.49 | 37.05 |
| 6.122 | 20.5 | 50.96 | 0.34 | 7.76 | 385.19 | 0.56 | 37.06 |
| 6.145 | 20.5 | 50.96 | 0.34 | 7.76 | 351.49 | 0.48 | 37.06 |
| 6.194 | 20.5 | 51.01 | 0.42 | 7.76 | 339.08 | 0.5 | 37.1 |
| 6.264 | 20.51 | 51.03 | 0.46 | 7.77 | 348.08 | 0.52 | 37.11 |
| 6.339 | 20.51 | 51.06 | 0.46 | 7.78 | 426.54 | 0.47 | 37.14 |
| 6.371 | 20.51 | 51.06 | 0.38 | 7.81 | 438.98 | 0.55 | 37.13 |
| 6.395 | 20.51 | 51.06 | 0.42 | 7.8 | 333.78 | 0.52 | 37.14 |
| 6.428 | 20.51 | 51.13 | 0.42 | 7.79 | 295.4 | 0.5 | 37.19 |
| 6.458 | 20.51 | 51.13 | 0.42 | 7.78 | 316.09 | 0.42 | 37.2 |
| 6.477 | 20.51 | 51.14 | 0.53 | 7.78 | 397.24 | 0.44 | 37.2 |
| 6.491 | 20.51 | 51.15 | 0.38 | 7.78 | 411.2 | 0.62 | 37.21 |
| 6.509 | 20.51 | 51.14 | 0.42 | 7.79 | 337.2 | 0.52 | 37.2 |
| 6.538 | 20.51 | 51.14 | 0.53 | 7.79 | 299.26 | 0.6 | 37.2 |
| 6.544 | 20.54 | 51.27 | 0.5 | 7.75 | 429.82 | 0.44 | 37.28 |
| 6.583 | 20.54 | 51.26 | 0.3 | 7.75 | 398.63 | 0.48 | 37.27 |
| 6.666 | 20.53 | 51.48 | 0.34 | 7.74 | 313.39 | 0.58 | 37.46 |
| 6.754 | 20.55 | 51.79 | 0.61 | 7.74 | 293.76 | 0.53 | 37.69 |
| 6.779 | 20.65 | 51.69 | 0.3 | 7.75 | 380.48 | 0.55 | 37.52 |
| 6.785 | 20.64 | 51.66 | 0.42 | 7.73 | 340.11 | 0.51 | 37.52 |
| 6.816 | 20.62 | 51.71 | 0.53 | 7.7 | 324.7 | 0.5 | 37.56 |
| 6.846 | 20.68 | 51.81 | 0.5 | 7.63 | 367.57 | 0.53 | 37.6 |
| 6.891 | 20.67 | 51.89 | 0.46 | 7.61 | 322.3 | 0.77 | 37.68 |
| 6.968 | 20.66 | 52.11 | 0.42 | 7.59 | 335.64 | 0.57 | 37.86 |
| 7.063 | 20.69 | 52.49 | 0.65 | 7.57 | 325.0 | 0.57 | 38.15 |
| 7.143 | 20.73 | 53.17 | 0.46 | 7.56 | 342.96 | 0.56 | 38.67 |
| 7.154 | 20.87 | 52.72 | 0.57 | 7.51 | 251.28 | 0.48 | 38.17 |
| 7.177 | 20.84 | 52.59 | 0.38 | 7.47 | 289.1 | 0.57 | 38.1 |
| 7.224 | 20.81 | 52.81 | 0.65 | 7.43 | 361.15 | 0.67 | 38.3 |
| 7.232 | 20.89 | 53.38 | 0.61 | 7.42 | 419.77 | 0.62 | 38.69 |
| 7.255 | 20.88 | 53.39 | 0.61 | 7.39 | 316.16 | 0.64 | 38.71 |
| 7.307 | 20.88 | 53.69 | 0.5 | 7.36 | 261.86 | 0.55 | 38.95 |
| 7.381 | 20.9 | 54.02 | 0.5 | 7.34 | 262.77 | 0.6 | 39.21 |
| 7.474 | 20.94 | 54.44 | 0.5 | 7.32 | 280.07 | 0.64 | 39.52 |
| 7.478 | 21.04 | 54.25 | 0.61 | 7.24 | 296.5 | 0.53 | 39.27 |
| 7.486 | 21.02 | 54.15 | 0.65 | 7.17 | 303.38 | 0.57 | 39.2 |

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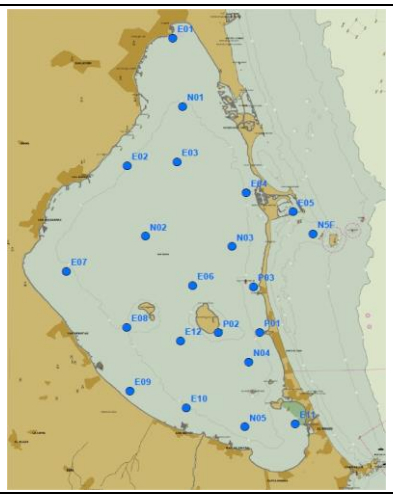
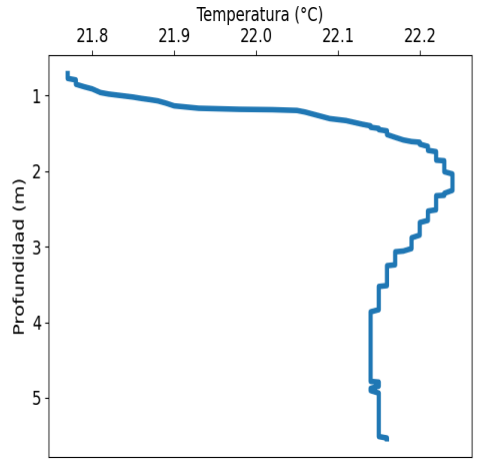
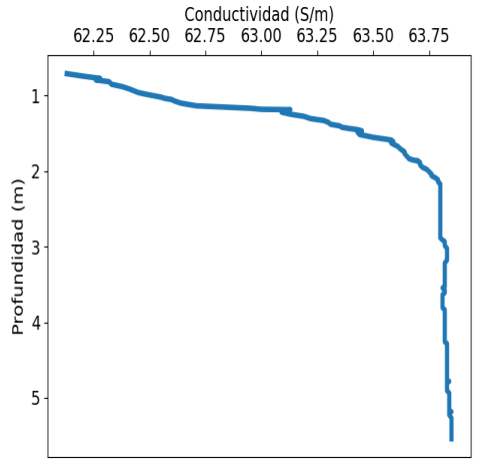
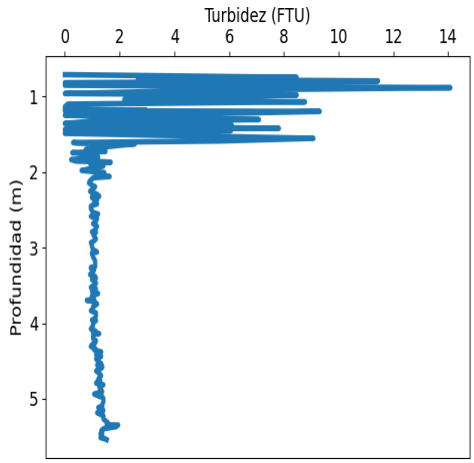
|---|---|---|---|---|---|---|---|
| 7.512 | 21.01 | 54.3 | 0.5 | 7.11 | 332.01 | 0.56 | 39.33 |
| 7.543 | 21.01 | 54.38 | 0.61 | 7.07 | 367.65 | 0.51 | 39.4 |
| 7.578 | 21.02 | 54.44 | 0.57 | 7.06 | 376.97 | 0.63 | 39.45 |
| 7.618 | 21.03 | 54.58 | 0.61 | 7.06 | 356.16 | 0.68 | 39.55 |
| 7.662 | 21.05 | 54.67 | 0.95 | 7.08 | 309.06 | 0.63 | 39.61 |
| 7.713 | 21.06 | 54.72 | 0.61 | 7.11 | 295.13 | 0.6 | 39.63 |
| 7.727 | 21.09 | 54.59 | 0.61 | 7.03 | 291.05 | 0.53 | 39.51 |
| 7.746 | 21.08 | 54.6 | 0.53 | 6.99 | 269.12 | 0.62 | 39.52 |
| 7.774 | 21.09 | 54.69 | 0.69 | 6.98 | 323.42 | 0.61 | 39.58 |
| 7.803 | 21.09 | 54.73 | 0.84 | 6.98 | 288.7 | 0.6 | 39.62 |
| 7.837 | 21.13 | 54.91 | 0.99 | 6.94 | 349.05 | 0.55 | 39.73 |
| 7.857 | 21.12 | 54.91 | 0.84 | 6.94 | 304.79 | 0.53 | 39.73 |
| 7.874 | 21.12 | 54.85 | 0.92 | 6.95 | 293.63 | 0.53 | 39.69 |
| 7.876 | 21.13 | 54.9 | 1.14 | 6.94 | 281.04 | 0.57 | 39.72 |
| 7.879 | 21.13 | 54.88 | 0.95 | 6.95 | 296.5 | 0.55 | 39.71 |
| 7.927 | 21.12 | 54.89 | 0.92 | 6.95 | 285.84 | 0.56 | 39.71 |
| 8.017 | 21.12 | 54.94 | 1.11 | 6.94 | 270.75 | 0.52 | 39.75 |
| 8.105 | 21.13 | 54.95 | 0.95 | 6.94 | 288.44 | 0.55 | 39.76 |
| 8.156 | 21.13 | 55.18 | 1.03 | 6.93 | 297.33 | 0.53 | 39.94 |

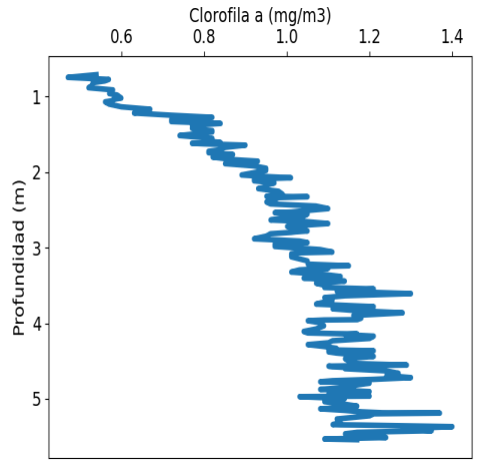
**Nombre: CTD E04 - Punto 009** **Fecha: 22/10/2024** **Hora: 10:10:36**

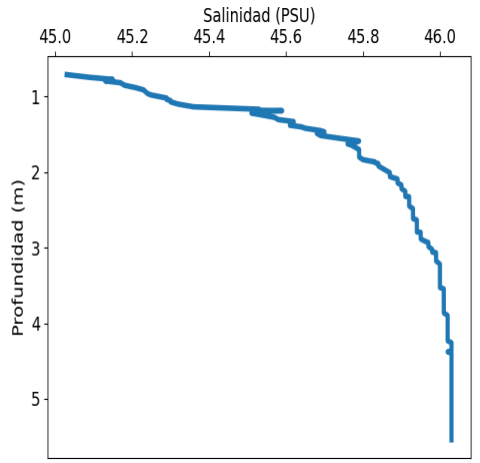


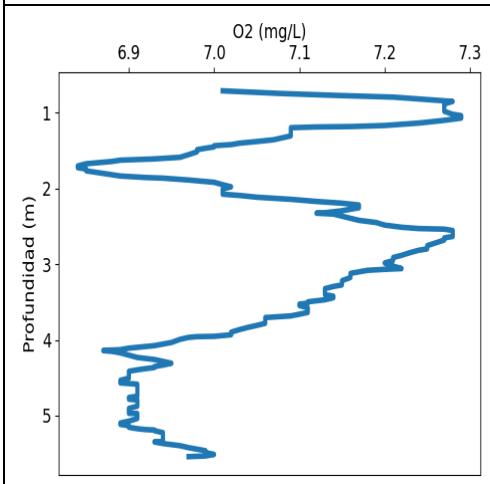



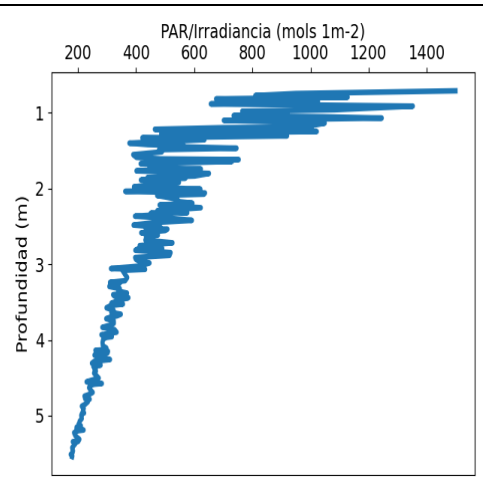



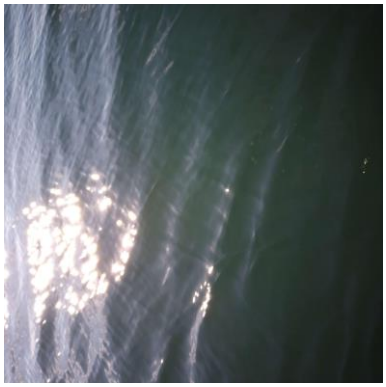



| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 21.77 | 62.13 | 0.0 | 6.84 | 174.96 | 0.47 | 45.03 |
| **PROF (metros)** | 0.709 | 0.709 | 0.709 | 1.701 | 5.512 | 0.745 | 0.709 |
| **MÁXIMO** | 22.24 | 22.24 | 14.08 | 7.29 | 1498.4 | 1.4 | 46.03 |
| **PROF (metros)** | 2.037 | 5.184 | 0.882 | 1.037 | 0.709 | 5.368 | 4.258 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E04 - Punto 009 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 21.79 | 62.34 | 8.53 | 7.21 | 943.33 | 0.55 | 45.18 |
| 1 - 2m | 22.13 | 63.38 | 3.01 | 7.01 | 592.05 | 0.78 | 45.67 |
| 2 - 3m | 22.22 | 63.8 | 1.08 | 7.18 | 484.18 | 0.99 | 45.92 |
| 3 - 4m | 22.16 | 63.82 | 1.05 | 7.1 | 329.49 | 1.11 | 46.0 |
| 4 - 5m | 22.14 | 63.83 | 1.2 | 6.91 | 252.97 | 1.14 | 46.03 |
| 5 - 6m | 22.15 | 63.85 | 1.43 | 6.94 | 193.86 | 1.18 | 46.03 |

| OBSERVACIONES GENERALES |
|---|
| |

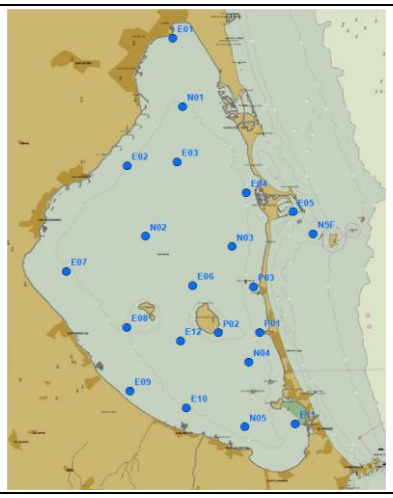
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.709 | 21.77 | 62.13 | 0.0 | 7.01 | 1498.4 | 0.54 | 45.03 |
| 0.745 | 21.77 | 62.21 | 8.47 | 7.08 | 949.15 | 0.47 | 45.09 |
| 0.772 | 21.77 | 62.28 | 2.67 | 7.15 | 809.81 | 0.57 | 45.15 |
| 0.792 | 21.78 | 62.26 | 11.44 | 7.21 | 1127.8 | 0.56 | 45.13 |
| 0.816 | 21.78 | 62.32 | 0.0 | 7.24 | 674.94 | 0.53 | 45.17 |
| 0.849 | 21.78 | 62.33 | 0.0 | 7.28 | 1026.0 | 0.53 | 45.18 |
| 0.882 | 21.79 | 62.38 | 14.08 | 7.27 | 656.73 | 0.52 | 45.21 |
| 0.911 | 21.8 | 62.41 | 6.03 | 7.27 | 1351.9 | 0.58 | 45.23 |
| 0.959 | 21.81 | 62.45 | 0.0 | 7.27 | 1082.4 | 0.57 | 45.24 |
| 0.979 | 21.82 | 62.48 | 8.47 | 7.27 | 764.57 | 0.59 | 45.25 |
| 1.019 | 21.85 | 62.55 | 3.66 | 7.28 | 921.62 | 0.6 | 45.29 |
| 1.037 | 21.86 | 62.57 | 2.17 | 7.29 | 735.03 | 0.58 | 45.29 |
| 1.052 | 21.87 | 62.6 | 3.81 | 7.29 | 1045.0 | 0.58 | 45.3 |
| 1.069 | 21.88 | 62.61 | 8.77 | 7.29 | 1245.1 | 0.56 | 45.3 |
| 1.099 | 21.89 | 62.64 | 0.11 | 7.27 | 701.41 | 0.57 | 45.32 |
| 1.135 | 21.9 | 62.71 | 0.0 | 7.24 | 1048.9 | 0.6 | 45.36 |
| 1.167 | 21.93 | 62.95 | 0.0 | 7.2 | 1006.0 | 0.67 | 45.53 |
| 1.181 | 21.98 | 63.0 | 2.98 | 7.16 | 976.82 | 0.65 | 45.53 |
| 1.186 | 22.02 | 63.13 | 0.0 | 7.12 | 1003.9 | 0.65 | 45.59 |
| 1.196 | 22.05 | 63.11 | 9.31 | 7.09 | 697.68 | 0.65 | 45.53 |
| 1.217 | 22.06 | 63.09 | 6.45 | 7.09 | 464.2 | 0.63 | 45.51 |
| 1.246 | 22.07 | 63.13 | 0.0 | 7.09 | 1021.5 | 0.72 | 45.54 |
| 1.274 | 22.08 | 63.19 | 2.63 | 7.09 | 485.99 | 0.82 | 45.57 |
| 1.304 | 22.09 | 63.22 | 7.09 | 7.09 | 919.27 | 0.72 | 45.58 |
| 1.33 | 22.11 | 63.28 | 0.88 | 7.08 | 421.14 | 0.72 | 45.62 |
| 1.355 | 22.12 | 63.3 | 0.0 | 7.07 | 635.17 | 0.84 | 45.62 |
| 1.379 | 22.13 | 63.31 | 6.1 | 7.05 | 489.5 | 0.77 | 45.61 |
| 1.4 | 22.14 | 63.35 | 2.1 | 7.03 | 376.8 | 0.78 | 45.64 |
| 1.419 | 22.14 | 63.36 | 7.82 | 7.02 | 440.2 | 0.77 | 45.65 |
| 1.434 | 22.15 | 63.39 | 0.0 | 7.0 | 562.92 | 0.79 | 45.67 |
| 1.45 | 22.15 | 63.43 | 6.07 | 7.0 | 570.41 | 0.82 | 45.69 |
| 1.467 | 22.16 | 63.45 | 3.28 | 6.99 | 745.67 | 0.82 | 45.7 |
| 1.486 | 22.16 | 63.43 | 0.0 | 6.98 | 478.84 | 0.79 | 45.68 |
| 1.515 | 22.16 | 63.44 | 3.97 | 6.98 | 488.82 | 0.74 | 45.69 |
| 1.552 | 22.17 | 63.5 | 9.08 | 6.97 | 389.77 | 0.82 | 45.74 |
| 1.587 | 22.18 | 63.58 | 5.65 | 6.96 | 400.85 | 0.81 | 45.79 |

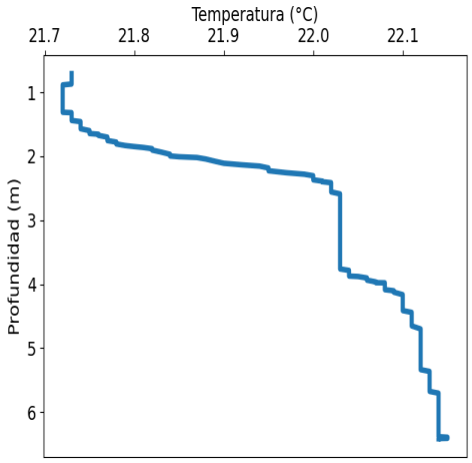
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.608 | 22.19 | 63.59 | 0.3 | 6.93 | 482.96 | 0.84 | 45.78 |
| 1.617 | 22.2 | 63.58 | 0.53 | 6.91 | 753.14 | 0.77 | 45.76 |
| 1.625 | 22.2 | 63.58 | 2.56 | 6.89 | 471.24 | 0.8 | 45.76 |
| 1.642 | 22.2 | 63.59 | 2.06 | 6.88 | 729.77 | 0.9 | 45.77 |
| 1.672 | 22.21 | 63.61 | 1.3 | 6.85 | 415.42 | 0.85 | 45.78 |
| 1.701 | 22.21 | 63.62 | 0.76 | 6.84 | 522.32 | 0.84 | 45.79 |
| 1.724 | 22.21 | 63.63 | 1.49 | 6.84 | 445.85 | 0.81 | 45.79 |
| 1.742 | 22.22 | 63.64 | 0.27 | 6.85 | 623.07 | 0.81 | 45.79 |
| 1.766 | 22.22 | 63.64 | 1.18 | 6.85 | 400.94 | 0.87 | 45.79 |
| 1.8 | 22.22 | 63.65 | 1.22 | 6.87 | 650.82 | 0.82 | 45.79 |
| 1.834 | 22.22 | 63.66 | 0.23 | 6.89 | 601.22 | 0.87 | 45.8 |
| 1.854 | 22.22 | 63.68 | 0.42 | 6.92 | 439.18 | 0.93 | 45.82 |
| 1.862 | 22.23 | 63.7 | 1.41 | 6.94 | 569.75 | 0.89 | 45.83 |
| 1.87 | 22.23 | 63.7 | 1.68 | 6.95 | 467.87 | 0.89 | 45.83 |
| 1.887 | 22.23 | 63.71 | 0.92 | 6.97 | 416.29 | 0.85 | 45.84 |
| 1.917 | 22.23 | 63.71 | 1.41 | 7.0 | 547.74 | 0.92 | 45.84 |
| 1.948 | 22.23 | 63.72 | 1.03 | 7.01 | 460.44 | 0.95 | 45.85 |
| 1.977 | 22.23 | 63.74 | 0.61 | 7.02 | 392.49 | 0.95 | 45.86 |
| 2.007 | 22.23 | 63.75 | 1.45 | 7.01 | 621.34 | 0.92 | 45.87 |
| 2.037 | 22.24 | 63.76 | 1.14 | 7.01 | 362.41 | 0.89 | 45.87 |
| 2.058 | 22.24 | 63.76 | 1.64 | 7.01 | 637.09 | 0.95 | 45.87 |
| 2.074 | 22.24 | 63.77 | 1.03 | 7.01 | 633.56 | 1.01 | 45.88 |
| 2.091 | 22.24 | 63.78 | 0.99 | 7.03 | 472.12 | 0.92 | 45.89 |
| 2.114 | 22.24 | 63.79 | 0.92 | 7.05 | 505.64 | 0.92 | 45.89 |
| 2.142 | 22.24 | 63.79 | 0.88 | 7.09 | 542.68 | 0.97 | 45.89 |
| 2.17 | 22.24 | 63.8 | 0.99 | 7.12 | 541.05 | 0.95 | 45.9 |
| 2.193 | 22.24 | 63.8 | 1.11 | 7.15 | 593.88 | 0.95 | 45.9 |
| 2.217 | 22.24 | 63.8 | 1.03 | 7.17 | 480.51 | 0.93 | 45.9 |
| 2.253 | 22.24 | 63.8 | 0.92 | 7.17 | 622.64 | 0.98 | 45.91 |
| 2.293 | 22.23 | 63.8 | 1.18 | 7.15 | 472.77 | 0.99 | 45.91 |
| 2.319 | 22.23 | 63.8 | 1.26 | 7.13 | 576.12 | 0.95 | 45.91 |
| 2.325 | 22.22 | 63.8 | 0.99 | 7.12 | 450.42 | 1.05 | 45.92 |
| 2.337 | 22.22 | 63.8 | 0.99 | 7.14 | 510.23 | 0.98 | 45.92 |
| 2.365 | 22.22 | 63.8 | 1.18 | 7.15 | 396.05 | 0.97 | 45.92 |
| 2.394 | 22.22 | 63.8 | 1.07 | 7.16 | 521.11 | 0.95 | 45.92 |
| 2.42 | 22.22 | 63.8 | 1.18 | 7.17 | 592.1 | 0.96 | 45.92 |
| 2.448 | 22.22 | 63.8 | 0.95 | 7.19 | 464.52 | 1.07 | 45.92 |
| 2.482 | 22.22 | 63.8 | 0.95 | 7.2 | 391.03 | 1.1 | 45.93 |
| 2.511 | 22.22 | 63.8 | 0.99 | 7.22 | 483.97 | 1.04 | 45.93 |
| 2.528 | 22.21 | 63.8 | 1.03 | 7.24 | 432.71 | 1.01 | 45.93 |
| 2.536 | 22.21 | 63.8 | 1.03 | 7.27 | 507.99 | 0.97 | 45.93 |
| 2.554 | 22.21 | 63.8 | 1.22 | 7.28 | 500.28 | 1.05 | 45.93 |
| 2.584 | 22.21 | 63.8 | 0.95 | 7.28 | 417.44 | 1.04 | 45.93 |
| 2.614 | 22.21 | 63.8 | 1.18 | 7.28 | 475.3 | 0.98 | 45.93 |
| 2.633 | 22.21 | 63.8 | 1.11 | 7.28 | 433.22 | 0.96 | 45.94 |
| 2.651 | 22.21 | 63.8 | 1.14 | 7.27 | 435.83 | 1.04 | 45.94 |
| 2.68 | 22.2 | 63.8 | 1.03 | 7.27 | 431.61 | 1.1 | 45.94 |
| 2.717 | 22.2 | 63.8 | 1.18 | 7.26 | 525.23 | 1.0 | 45.94 |
| 2.754 | 22.2 | 63.8 | 1.11 | 7.25 | 411.87 | 1.02 | 45.94 |
| 2.778 | 22.2 | 63.8 | 1.11 | 7.25 | 433.52 | 1.05 | 45.94 |
| 2.79 | 22.2 | 63.8 | 0.99 | 7.25 | 490.07 | 1.02 | 45.94 |
| 2.797 | 22.2 | 63.8 | 1.14 | 7.25 | 405.9 | 1.01 | 45.95 |
| 2.815 | 22.2 | 63.8 | 1.03 | 7.24 | 397.24 | 0.96 | 45.95 |
| 2.846 | 22.2 | 63.8 | 1.07 | 7.23 | 518.7 | 0.95 | 45.95 |
| 2.882 | 22.19 | 63.8 | 1.14 | 7.22 | 515.11 | 0.92 | 45.95 |
| 2.911 | 22.19 | 63.81 | 1.07 | 7.21 | 396.6 | 1.03 | 45.96 |
| 2.932 | 22.19 | 63.82 | 0.95 | 7.21 | 398.72 | 1.05 | 45.97 |
| 2.951 | 22.19 | 63.82 | 0.99 | 7.21 | 406.46 | 0.97 | 45.97 |

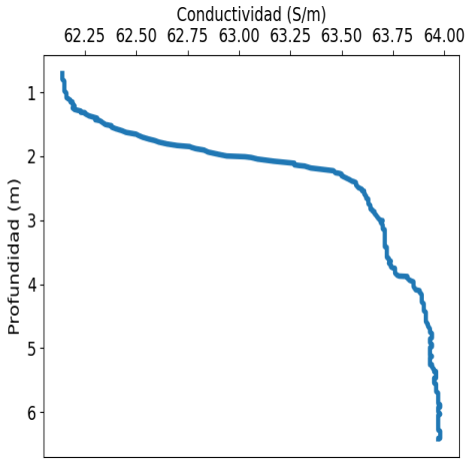
| 2.983 | 22.19 | 63.82 | 0.99 | 7.2 | 446.36 | 0.97 | 45.97 |
|---|---|---|---|---|---|---|---|
| 3.024 | 22.19 | 63.83 | 1.03 | 7.21 | 411.49 | 1.08 | 45.98 |
| 3.057 | 22.18 | 63.83 | 1.18 | 7.22 | 313.32 | 1.11 | 45.98 |
| 3.067 | 22.17 | 63.83 | 0.99 | 7.2 | 431.21 | 1.03 | 45.99 |
| 3.08 | 22.17 | 63.83 | 0.99 | 7.18 | 353.2 | 1.01 | 45.99 |
| 3.12 | 22.17 | 63.83 | 1.03 | 7.16 | 359.48 | 1.01 | 45.99 |
| 3.175 | 22.17 | 63.83 | 1.11 | 7.16 | 369.53 | 1.05 | 45.99 |
| 3.217 | 22.17 | 63.82 | 1.11 | 7.15 | 362.41 | 1.05 | 46.0 |
| 3.239 | 22.17 | 63.82 | 1.11 | 7.15 | 310.21 | 1.15 | 46.0 |
| 3.251 | 22.16 | 63.82 | 1.11 | 7.15 | 343.75 | 1.06 | 46.0 |
| 3.26 | 22.16 | 63.82 | 0.95 | 7.15 | 325.98 | 1.07 | 46.0 |
| 3.273 | 22.16 | 63.82 | 0.95 | 7.15 | 310.93 | 1.1 | 46.0 |
| 3.293 | 22.16 | 63.82 | 1.07 | 7.14 | 307.63 | 1.03 | 46.0 |
| 3.322 | 22.16 | 63.82 | 1.03 | 7.13 | 344.15 | 1.01 | 46.0 |
| 3.354 | 22.16 | 63.82 | 0.92 | 7.13 | 338.3 | 1.09 | 46.0 |
| 3.381 | 22.16 | 63.82 | 1.11 | 7.13 | 368.93 | 1.13 | 46.0 |
| 3.402 | 22.16 | 63.82 | 1.14 | 7.13 | 320.81 | 1.04 | 46.0 |
| 3.421 | 22.16 | 63.82 | 0.99 | 7.14 | 325.53 | 1.1 | 46.0 |
| 3.442 | 22.16 | 63.82 | 1.07 | 7.14 | 373.84 | 1.14 | 46.0 |
| 3.469 | 22.16 | 63.82 | 1.14 | 7.13 | 346.07 | 1.07 | 46.0 |
| 3.496 | 22.16 | 63.82 | 1.07 | 7.11 | 328.03 | 1.09 | 46.0 |
| 3.514 | 22.16 | 63.82 | 0.99 | 7.11 | 314.77 | 1.09 | 46.0 |
| 3.526 | 22.15 | 63.82 | 0.95 | 7.1 | 355.01 | 1.09 | 46.0 |
| 3.545 | 22.15 | 63.81 | 1.14 | 7.1 | 313.75 | 1.21 | 46.01 |
| 3.575 | 22.15 | 63.82 | 0.99 | 7.11 | 297.88 | 1.12 | 46.01 |
| 3.607 | 22.15 | 63.82 | 1.22 | 7.11 | 322.68 | 1.3 | 46.01 |
| 3.636 | 22.15 | 63.81 | 0.99 | 7.11 | 314.63 | 1.14 | 46.01 |
| 3.66 | 22.15 | 63.81 | 0.99 | 7.1 | 347.6 | 1.09 | 46.01 |
| 3.682 | 22.15 | 63.81 | 1.07 | 7.09 | 334.01 | 1.11 | 46.01 |
| 3.696 | 22.15 | 63.81 | 0.8 | 7.07 | 312.88 | 1.1 | 46.01 |
| 3.704 | 22.15 | 63.81 | 0.95 | 7.06 | 307.77 | 1.11 | 46.01 |
| 3.719 | 22.15 | 63.81 | 1.11 | 7.06 | 296.91 | 1.09 | 46.01 |
| 3.746 | 22.15 | 63.81 | 1.18 | 7.06 | 323.2 | 1.07 | 46.01 |
| 3.78 | 22.15 | 63.81 | 1.03 | 7.06 | 323.5 | 1.21 | 46.01 |
| 3.808 | 22.15 | 63.81 | 1.03 | 7.05 | 307.85 | 1.11 | 46.01 |
| 3.833 | 22.15 | 63.82 | 0.95 | 7.04 | 283.66 | 1.17 | 46.01 |
| 3.862 | 22.14 | 63.82 | 1.14 | 7.03 | 325.3 | 1.28 | 46.01 |
| 3.897 | 22.14 | 63.82 | 1.14 | 7.02 | 333.24 | 1.16 | 46.02 |
| 3.931 | 22.14 | 63.82 | 1.11 | 7.02 | 280.52 | 1.18 | 46.02 |
| 3.952 | 22.14 | 63.82 | 1.03 | 7.0 | 297.81 | 1.17 | 46.02 |
| 3.956 | 22.14 | 63.82 | 0.99 | 6.98 | 316.9 | 1.09 | 46.02 |
| 3.966 | 22.14 | 63.82 | 1.14 | 6.97 | 297.46 | 1.05 | 46.02 |
| 3.992 | 22.14 | 63.82 | 1.03 | 6.96 | 286.44 | 1.08 | 46.02 |
| 4.033 | 22.14 | 63.82 | 1.03 | 6.95 | 284.39 | 1.09 | 46.02 |
| 4.075 | 22.14 | 63.82 | 0.95 | 6.93 | 285.38 | 1.07 | 46.02 |
| 4.108 | 22.14 | 63.82 | 1.14 | 6.9 | 298.29 | 1.04 | 46.02 |
| 4.128 | 22.14 | 63.82 | 1.03 | 6.89 | 295.54 | 1.05 | 46.02 |
| 4.137 | 22.14 | 63.82 | 1.26 | 6.87 | 259.87 | 1.12 | 46.02 |
| 4.141 | 22.14 | 63.82 | 1.11 | 6.87 | 281.37 | 1.17 | 46.02 |
| 4.15 | 22.14 | 63.82 | 1.07 | 6.88 | 303.66 | 1.14 | 46.02 |
| 4.17 | 22.14 | 63.82 | 1.03 | 6.89 | 302.12 | 1.21 | 46.02 |
| 4.2 | 22.14 | 63.82 | 1.03 | 6.9 | 256.52 | 1.2 | 46.02 |
| 4.231 | 22.14 | 63.82 | 1.14 | 6.91 | 281.96 | 1.11 | 46.02 |
| 4.258 | 22.14 | 63.82 | 1.11 | 6.93 | 310.64 | 1.1 | 46.03 |
| 4.282 | 22.14 | 63.83 | 0.99 | 6.94 | 256.04 | 1.05 | 46.03 |
| 4.307 | 22.14 | 63.83 | 0.95 | 6.95 | 247.92 | 1.09 | 46.03 |
| 4.332 | 22.14 | 63.83 | 1.11 | 6.94 | 278.32 | 1.12 | 46.03 |
| 4.351 | 22.14 | 63.83 | 1.07 | 6.93 | 252.8 | 1.1 | 46.03 |

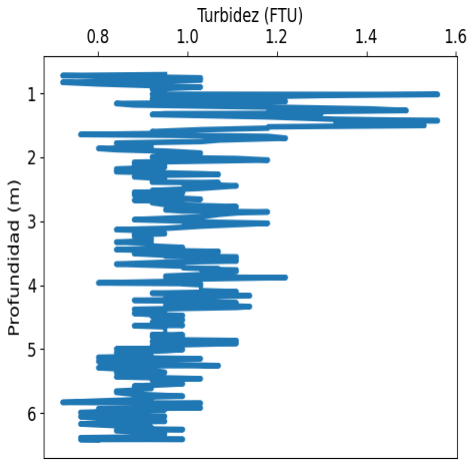
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4.364 | 22.14 | 63.83 | 1.18 | 6.93 | 259.63 | 1.21 | 46.03 |
| 4.378 | 22.14 | 63.83 | 1.33 | 6.92 | 261.44 | 1.1 | 46.02 |
| 4.394 | 22.14 | 63.83 | 1.26 | 6.91 | 256.81 | 1.12 | 46.03 |
| 4.414 | 22.14 | 63.83 | 1.14 | 6.9 | 261.98 | 1.16 | 46.03 |
| 4.438 | 22.14 | 63.83 | 1.33 | 6.9 | 255.15 | 1.21 | 46.03 |
| 4.47 | 22.14 | 63.83 | 1.14 | 6.9 | 263.32 | 1.14 | 46.03 |
| 4.504 | 22.14 | 63.83 | 1.22 | 6.9 | 271.76 | 1.15 | 46.03 |
| 4.533 | 22.14 | 63.83 | 1.33 | 6.89 | 245.86 | 1.17 | 46.03 |
| 4.553 | 22.14 | 63.83 | 1.18 | 6.89 | 229.51 | 1.29 | 46.03 |
| 4.567 | 22.14 | 63.83 | 1.37 | 6.89 | 261.07 | 1.1 | 46.03 |
| 4.575 | 22.14 | 63.83 | 1.37 | 6.9 | 282.48 | 1.11 | 46.03 |
| 4.584 | 22.14 | 63.83 | 1.37 | 6.91 | 256.4 | 1.14 | 46.03 |
| 4.601 | 22.14 | 63.83 | 1.3 | 6.91 | 241.29 | 1.14 | 46.03 |
| 4.63 | 22.14 | 63.83 | 1.14 | 6.91 | 238.12 | 1.24 | 46.03 |
| 4.662 | 22.14 | 63.83 | 1.26 | 6.91 | 243.59 | 1.27 | 46.03 |
| 4.692 | 22.14 | 63.83 | 1.33 | 6.91 | 250.93 | 1.24 | 46.03 |
| 4.719 | 22.14 | 63.83 | 1.26 | 6.91 | 238.79 | 1.3 | 46.03 |
| 4.742 | 22.14 | 63.83 | 1.22 | 6.91 | 222.28 | 1.21 | 46.03 |
| 4.76 | 22.14 | 63.83 | 1.3 | 6.9 | 233.64 | 1.11 | 46.03 |
| 4.774 | 22.14 | 63.83 | 1.18 | 6.9 | 224.2 | 1.08 | 46.03 |
| 4.782 | 22.14 | 63.84 | 1.26 | 6.9 | 240.62 | 1.13 | 46.03 |
| 4.792 | 22.15 | 63.83 | 1.14 | 6.91 | 229.51 | 1.2 | 46.03 |
| 4.815 | 22.15 | 63.83 | 1.41 | 6.91 | 234.4 | 1.17 | 46.03 |
| 4.845 | 22.15 | 63.83 | 1.26 | 6.91 | 226.08 | 1.15 | 46.03 |
| 4.875 | 22.14 | 63.83 | 1.3 | 6.91 | 213.0 | 1.08 | 46.03 |
| 4.904 | 22.14 | 63.83 | 1.37 | 6.9 | 220.08 | 1.2 | 46.03 |
| 4.937 | 22.15 | 63.84 | 1.07 | 6.9 | 216.94 | 1.1 | 46.03 |
| 4.964 | 22.15 | 63.84 | 1.26 | 6.9 | 221.26 | 1.2 | 46.03 |
| 4.969 | 22.15 | 63.84 | 1.26 | 6.9 | 213.6 | 1.08 | 46.03 |
| 4.971 | 22.15 | 63.84 | 1.37 | 6.91 | 216.94 | 1.03 | 46.03 |
| 4.997 | 22.15 | 63.84 | 1.41 | 6.91 | 211.04 | 1.14 | 46.03 |
| 5.037 | 22.15 | 63.84 | 1.41 | 6.91 | 213.55 | 1.09 | 46.03 |
| 5.072 | 22.15 | 63.84 | 1.37 | 6.9 | 206.01 | 1.14 | 46.03 |
| 5.097 | 22.15 | 63.84 | 1.37 | 6.89 | 204.16 | 1.17 | 46.03 |
| 5.115 | 22.15 | 63.84 | 1.22 | 6.89 | 201.67 | 1.14 | 46.03 |
| 5.132 | 22.15 | 63.84 | 1.37 | 6.9 | 210.16 | 1.08 | 46.03 |
| 5.153 | 22.15 | 63.84 | 1.41 | 6.9 | 195.05 | 1.14 | 46.03 |
| 5.172 | 22.15 | 63.84 | 1.37 | 6.91 | 194.68 | 1.18 | 46.03 |
| 5.184 | 22.15 | 63.85 | 1.18 | 6.92 | 207.83 | 1.23 | 46.03 |
| 5.189 | 22.15 | 63.84 | 1.3 | 6.93 | 219.57 | 1.37 | 46.03 |
| 5.198 | 22.15 | 63.84 | 1.26 | 6.93 | 200.97 | 1.21 | 46.03 |
| 5.224 | 22.15 | 63.84 | 1.41 | 6.94 | 186.56 | 1.2 | 46.03 |
| 5.267 | 22.15 | 63.85 | 1.41 | 6.94 | 191.28 | 1.12 | 46.03 |
| 5.312 | 22.15 | 63.85 | 1.56 | 6.94 | 205.15 | 1.13 | 46.03 |
| 5.341 | 22.15 | 63.85 | 1.6 | 6.94 | 200.59 | 1.11 | 46.03 |
| 5.344 | 22.15 | 63.85 | 1.53 | 6.93 | 182.07 | 1.13 | 46.03 |
| 5.347 | 22.15 | 63.85 | 1.95 | 6.93 | 188.42 | 1.18 | 46.03 |
| 5.368 | 22.15 | 63.85 | 1.87 | 6.94 | 191.24 | 1.4 | 46.03 |
| 5.396 | 22.15 | 63.85 | 1.41 | 6.96 | 185.65 | 1.28 | 46.03 |
| 5.422 | 22.15 | 63.85 | 1.33 | 6.97 | 179.93 | 1.35 | 46.03 |
| 5.443 | 22.15 | 63.85 | 1.37 | 6.98 | 181.1 | 1.17 | 46.03 |
| 5.463 | 22.15 | 63.85 | 1.3 | 6.99 | 183.21 | 1.14 | 46.03 |
| 5.486 | 22.15 | 63.85 | 1.37 | 6.99 | 181.73 | 1.15 | 46.03 |
| 5.512 | 22.15 | 63.85 | 1.3 | 7.0 | 174.96 | 1.24 | 46.03 |
| 5.532 | 22.16 | 63.85 | 1.49 | 6.99 | 180.77 | 1.09 | 46.03 |
| 5.541 | 22.16 | 63.85 | 1.53 | 6.97 | 180.18 | 1.17 | 46.03 |

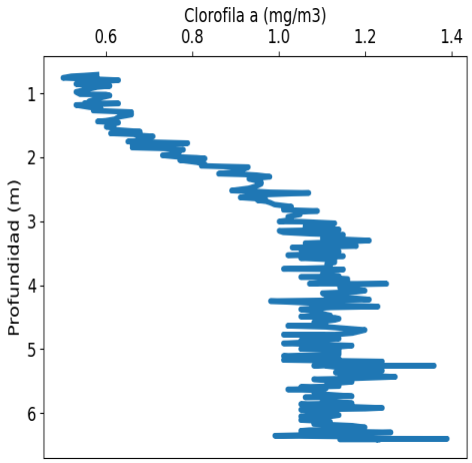
**Nombre: CTD N03 - Punto 010** **Fecha: 22/10/2024** **Hora: 11:10:26**

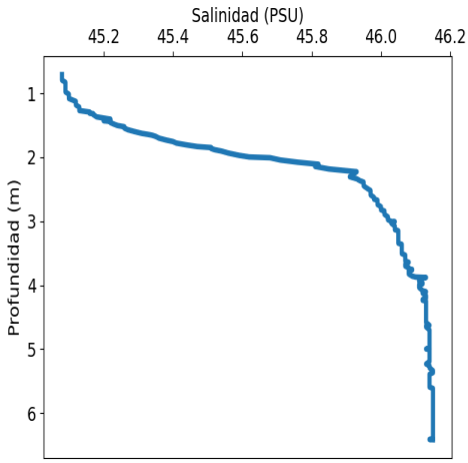


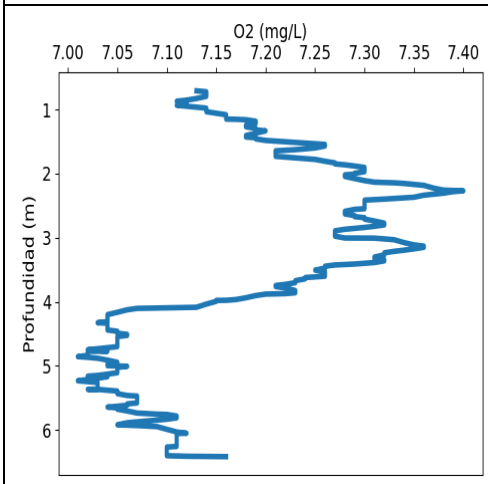



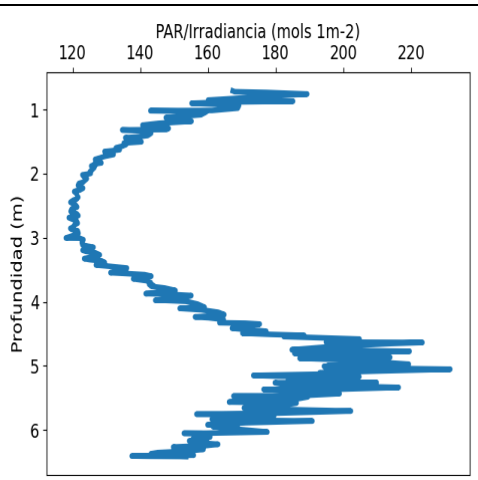




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 21.72 | 62.14 | 0.72 | 7.01 | 117.92 | 0.5 | 45.08 |
| **PROF (metros)** | 0.886 | 0.71 | 0.724 | 4.857 | 3.006 | 0.76 | 0.71 |
| **MÁXIMO** | 22.15 | 22.15 | 1.56 | 7.4 | 231.7 | 1.39 | 46.15 |
| **PROF (metros)** | 6.394 | 5.888 | 1.02 | 2.27 | 5.053 | 6.402 | 5.337 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD N03 - Punto 010 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 21.73 | 62.15 | 0.9 | 7.13 | 170.8 | 0.56 | 45.09 |
| 1 - 2m | 21.75 | 62.42 | 1.09 | 7.21 | 138.06 | 0.64 | 45.28 |
| 2 - 3m | 21.99 | 63.51 | 0.98 | 7.31 | 121.15 | 0.95 | 45.93 |
| 3 - 4m | 22.04 | 63.74 | 0.98 | 7.26 | 135.31 | 1.1 | 46.07 |
| 4 - 5m | 22.11 | 63.91 | 0.98 | 7.04 | 183.85 | 1.11 | 46.13 |
| 5 - 6m | 22.13 | 63.95 | 0.9 | 7.06 | 183.96 | 1.12 | 46.14 |
| 6 - 7m | 22.14 | 63.97 | 0.87 | 7.11 | 154.19 | 1.14 | 46.15 |

| 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) |
| 0.71 | 21.73 | 62.14 | 0.95 | 7.13 | 167.26 | 0.58 | 45.08 |
| 0.724 | 21.73 | 62.14 | 0.72 | 7.14 | 167.92 | 0.55 | 45.08 |
| 0.735 | 21.73 | 62.14 | 0.8 | 7.14 | 177.28 | 0.52 | 45.08 |
| 0.76 | 21.73 | 62.14 | 1.03 | 7.14 | 189.39 | 0.5 | 45.08 |
| 0.796 | 21.73 | 62.14 | 1.03 | 7.14 | 177.12 | 0.63 | 45.08 |
| 0.83 | 21.73 | 62.15 | 0.72 | 7.13 | 167.57 | 0.56 | 45.09 |
| 0.855 | 21.73 | 62.15 | 0.8 | 7.12 | 159.98 | 0.53 | 45.09 |
| 0.872 | 21.73 | 62.15 | 0.88 | 7.11 | 185.22 | 0.55 | 45.09 |
| 0.886 | 21.72 | 62.15 | 0.95 | 7.12 | 164.69 | 0.61 | 45.09 |
| 0.904 | 21.72 | 62.15 | 1.03 | 7.12 | 155.09 | 0.58 | 45.09 |
| 0.935 | 21.72 | 62.15 | 0.92 | 7.11 | 169.25 | 0.56 | 45.09 |
| 0.98 | 21.72 | 62.15 | 0.95 | 7.14 | 168.86 | 0.53 | 45.09 |
| 1.016 | 21.72 | 62.16 | 0.92 | 7.14 | 161.21 | 0.54 | 45.1 |
| 1.02 | 21.72 | 62.16 | 1.56 | 7.14 | 142.91 | 0.6 | 45.1 |
| 1.036 | 21.72 | 62.16 | 1.3 | 7.14 | 159.58 | 0.61 | 45.1 |
| 1.083 | 21.72 | 62.16 | 0.92 | 7.16 | 157.96 | 0.58 | 45.1 |
| 1.128 | 21.72 | 62.18 | 1.22 | 7.16 | 147.48 | 0.56 | 45.12 |
| 1.151 | 21.72 | 62.18 | 0.92 | 7.16 | 152.66 | 0.56 | 45.12 |
| 1.154 | 21.72 | 62.19 | 0.95 | 7.17 | 154.09 | 0.55 | 45.12 |
| 1.161 | 21.72 | 62.19 | 0.84 | 7.18 | 147.89 | 0.63 | 45.12 |
| 1.184 | 21.72 | 62.19 | 0.88 | 7.19 | 155.2 | 0.53 | 45.12 |
| 1.217 | 21.72 | 62.2 | 1.18 | 7.19 | 145.41 | 0.56 | 45.13 |
| 1.246 | 21.72 | 62.19 | 1.41 | 7.18 | 140.57 | 0.59 | 45.13 |
| 1.271 | 21.72 | 62.2 | 1.49 | 7.18 | 146.22 | 0.57 | 45.13 |
| 1.295 | 21.72 | 62.23 | 1.18 | 7.19 | 148.44 | 0.66 | 45.16 |
| 1.314 | 21.72 | 62.23 | 1.3 | 7.19 | 147.72 | 0.63 | 45.16 |
| 1.32 | 21.73 | 62.25 | 0.95 | 7.19 | 134.58 | 0.66 | 45.17 |
| 1.334 | 21.73 | 62.25 | 0.92 | 7.2 | 140.05 | 0.66 | 45.17 |
| 1.37 | 21.73 | 62.27 | 1.18 | 7.19 | 143.24 | 0.63 | 45.18 |
| 1.407 | 21.73 | 62.31 | 1.33 | 7.18 | 142.21 | 0.62 | 45.22 |
| 1.43 | 21.73 | 62.3 | 1.56 | 7.18 | 138.79 | 0.6 | 45.2 |
| 1.442 | 21.73 | 62.32 | 1.33 | 7.19 | 135.49 | 0.58 | 45.22 |
| 1.46 | 21.74 | 62.33 | 1.37 | 7.19 | 137.48 | 0.63 | 45.22 |
| 1.484 | 21.74 | 62.34 | 1.37 | 7.2 | 136.59 | 0.61 | 45.23 |
| 1.505 | 21.74 | 62.35 | 1.53 | 7.22 | 140.38 | 0.62 | 45.24 |

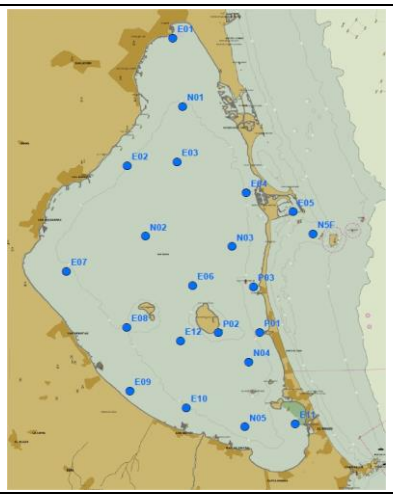
| 1.525 | 21.74 | 62.38 | 1.18 | 7.24 | 135.05 | 0.6 | 45.26 |
|---|---|---|---|---|---|---|---|
| 1.546 | 21.74 | 62.38 | 1.18 | 7.26 | 135.87 | 0.62 | 45.26 |
| 1.571 | 21.74 | 62.4 | 1.03 | 7.26 | 134.77 | 0.62 | 45.27 |
| 1.601 | 21.75 | 62.43 | 0.92 | 7.25 | 132.69 | 0.68 | 45.29 |
| 1.628 | 21.75 | 62.45 | 0.95 | 7.23 | 133.96 | 0.61 | 45.31 |
| 1.646 | 21.75 | 62.48 | 0.76 | 7.21 | 131.44 | 0.68 | 45.33 |
| 1.657 | 21.76 | 62.5 | 0.95 | 7.21 | 129.35 | 0.67 | 45.34 |
| 1.675 | 21.76 | 62.51 | 1.18 | 7.21 | 131.59 | 0.71 | 45.35 |
| 1.703 | 21.77 | 62.53 | 1.22 | 7.21 | 132.14 | 0.69 | 45.36 |
| 1.732 | 21.77 | 62.56 | 1.07 | 7.21 | 129.47 | 0.69 | 45.38 |
| 1.756 | 21.77 | 62.59 | 1.03 | 7.23 | 128.1 | 0.65 | 45.4 |
| 1.78 | 21.78 | 62.61 | 0.84 | 7.25 | 126.56 | 0.79 | 45.41 |
| 1.809 | 21.78 | 62.65 | 0.92 | 7.26 | 127.74 | 0.66 | 45.44 |
| 1.834 | 21.79 | 62.7 | 0.84 | 7.27 | 128.54 | 0.72 | 45.47 |
| 1.85 | 21.8 | 62.76 | 0.92 | 7.27 | 126.36 | 0.66 | 45.51 |
| 1.864 | 21.81 | 62.77 | 0.8 | 7.28 | 126.86 | 0.74 | 45.51 |
| 1.883 | 21.82 | 62.79 | 0.84 | 7.29 | 125.42 | 0.78 | 45.52 |
| 1.905 | 21.82 | 62.83 | 0.95 | 7.3 | 126.47 | 0.76 | 45.54 |
| 1.936 | 21.83 | 62.85 | 1.03 | 7.3 | 125.89 | 0.77 | 45.56 |
| 1.971 | 21.84 | 62.9 | 0.95 | 7.3 | 125.05 | 0.73 | 45.59 |
| 1.997 | 21.84 | 62.94 | 0.92 | 7.29 | 125.39 | 0.77 | 45.62 |
| 2.009 | 21.85 | 63.03 | 0.99 | 7.29 | 124.35 | 0.81 | 45.68 |
| 2.021 | 21.87 | 63.06 | 1.11 | 7.28 | 122.81 | 0.83 | 45.69 |
| 2.045 | 21.88 | 63.09 | 1.18 | 7.28 | 123.18 | 0.77 | 45.71 |
| 2.079 | 21.89 | 63.17 | 0.88 | 7.29 | 124.24 | 0.81 | 45.76 |
| 2.111 | 21.9 | 63.27 | 0.88 | 7.3 | 123.55 | 0.83 | 45.82 |
| 2.135 | 21.92 | 63.27 | 0.95 | 7.31 | 123.09 | 0.82 | 45.81 |
| 2.145 | 21.93 | 63.29 | 0.92 | 7.33 | 122.47 | 0.87 | 45.81 |
| 2.155 | 21.94 | 63.32 | 0.95 | 7.34 | 121.79 | 0.93 | 45.82 |
| 2.185 | 21.95 | 63.35 | 0.84 | 7.36 | 121.5 | 0.92 | 45.85 |
| 2.228 | 21.95 | 63.46 | 0.84 | 7.37 | 123.12 | 0.9 | 45.93 |
| 2.259 | 21.97 | 63.47 | 1.03 | 7.38 | 122.07 | 0.86 | 45.92 |
| 2.27 | 21.98 | 63.49 | 1.07 | 7.4 | 120.97 | 0.92 | 45.92 |
| 2.282 | 21.99 | 63.5 | 0.95 | 7.39 | 120.38 | 0.95 | 45.92 |
| 2.306 | 22.0 | 63.5 | 0.88 | 7.38 | 121.11 | 0.98 | 45.91 |
| 2.338 | 22.0 | 63.52 | 0.95 | 7.36 | 121.25 | 0.93 | 45.93 |
| 2.37 | 22.0 | 63.54 | 0.92 | 7.35 | 121.7 | 0.95 | 45.94 |
| 2.39 | 22.01 | 63.55 | 0.92 | 7.33 | 121.19 | 0.96 | 45.95 |
| 2.399 | 22.01 | 63.56 | 1.07 | 7.32 | 121.19 | 0.95 | 45.95 |
| 2.415 | 22.02 | 63.57 | 0.99 | 7.3 | 120.19 | 0.96 | 45.95 |
| 2.448 | 22.02 | 63.57 | 1.11 | 7.3 | 119.27 | 0.95 | 45.95 |
| 2.487 | 22.02 | 63.58 | 1.03 | 7.3 | 120.83 | 0.93 | 45.96 |
| 2.522 | 22.02 | 63.6 | 0.92 | 7.3 | 121.36 | 0.89 | 45.97 |
| 2.541 | 22.02 | 63.6 | 0.99 | 7.3 | 120.22 | 0.96 | 45.97 |
| 2.549 | 22.02 | 63.61 | 0.88 | 7.3 | 119.77 | 0.98 | 45.97 |
| 2.559 | 22.02 | 63.61 | 0.99 | 7.29 | 119.58 | 1.07 | 45.97 |
| 2.59 | 22.03 | 63.61 | 0.88 | 7.28 | 119.33 | 0.95 | 45.97 |
| 2.63 | 22.03 | 63.62 | 0.95 | 7.28 | 121.28 | 0.91 | 45.98 |
| 2.657 | 22.03 | 63.62 | 1.03 | 7.29 | 121.73 | 0.97 | 45.98 |
| 2.673 | 22.03 | 63.63 | 0.88 | 7.29 | 119.6 | 0.95 | 45.99 |
| 2.689 | 22.03 | 63.63 | 0.95 | 7.3 | 118.8 | 0.97 | 45.99 |
| 2.711 | 22.03 | 63.63 | 0.92 | 7.3 | 119.83 | 0.98 | 45.99 |
| 2.741 | 22.03 | 63.63 | 0.95 | 7.31 | 121.22 | 0.99 | 45.99 |
| 2.774 | 22.03 | 63.64 | 1.11 | 7.32 | 121.53 | 1.03 | 46.0 |
| 2.802 | 22.03 | 63.64 | 1.03 | 7.32 | 120.49 | 1.01 | 46.0 |
| 2.823 | 22.03 | 63.64 | 0.95 | 7.31 | 120.19 | 1.01 | 46.0 |
| 2.841 | 22.03 | 63.65 | 0.99 | 7.3 | 120.05 | 1.09 | 46.01 |
| 2.856 | 22.03 | 63.65 | 1.18 | 7.29 | 119.24 | 1.05 | 46.01 |

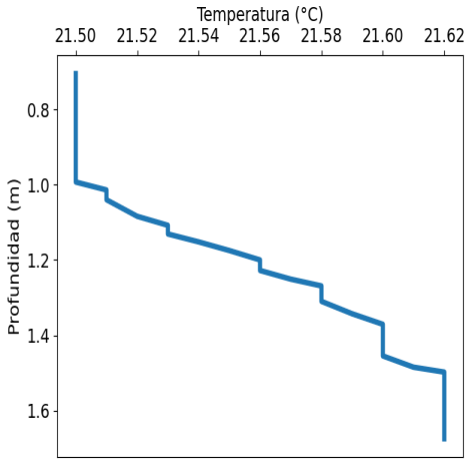
| 2.87 | 22.03 | 63.66 | 1.11 | 7.28 | 119.63 | 1.05 | 46.01 |
|---|---|---|---|---|---|---|---|
| 2.894 | 22.03 | 63.66 | 1.07 | 7.27 | 121.53 | 1.05 | 46.01 |
| 2.933 | 22.03 | 63.67 | 1.03 | 7.27 | 121.76 | 1.02 | 46.02 |
| 2.977 | 22.03 | 63.68 | 0.88 | 7.27 | 119.58 | 1.03 | 46.02 |
| 3.006 | 22.03 | 63.69 | 1.03 | 7.28 | 117.92 | 1.0 | 46.03 |
| 3.008 | 22.03 | 63.7 | 0.99 | 7.31 | 121.98 | 1.05 | 46.04 |
| 3.033 | 22.03 | 63.69 | 1.18 | 7.33 | 123.23 | 1.13 | 46.03 |
| 3.078 | 22.03 | 63.7 | 1.03 | 7.34 | 122.64 | 1.06 | 46.04 |
| 3.113 | 22.03 | 63.7 | 0.95 | 7.35 | 122.83 | 1.06 | 46.04 |
| 3.133 | 22.03 | 63.7 | 0.84 | 7.36 | 124.44 | 1.14 | 46.04 |
| 3.151 | 22.03 | 63.71 | 0.92 | 7.36 | 126.21 | 1.0 | 46.05 |
| 3.175 | 22.03 | 63.71 | 0.88 | 7.35 | 124.96 | 1.01 | 46.05 |
| 3.196 | 22.03 | 63.71 | 0.95 | 7.34 | 122.86 | 1.07 | 46.05 |
| 3.214 | 22.03 | 63.71 | 0.88 | 7.33 | 123.89 | 1.15 | 46.05 |
| 3.237 | 22.03 | 63.71 | 0.88 | 7.32 | 126.71 | 1.13 | 46.05 |
| 3.27 | 22.03 | 63.71 | 0.92 | 7.32 | 128.07 | 1.1 | 46.05 |
| 3.303 | 22.03 | 63.71 | 0.92 | 7.31 | 125.66 | 1.21 | 46.05 |
| 3.328 | 22.03 | 63.71 | 0.84 | 7.31 | 123.32 | 1.13 | 46.05 |
| 3.345 | 22.03 | 63.71 | 0.92 | 7.32 | 125.13 | 1.06 | 46.05 |
| 3.363 | 22.03 | 63.71 | 0.92 | 7.32 | 128.57 | 1.15 | 46.06 |
| 3.389 | 22.03 | 63.71 | 0.92 | 7.31 | 129.56 | 1.18 | 46.06 |
| 3.412 | 22.03 | 63.71 | 0.99 | 7.29 | 127.62 | 1.03 | 46.06 |
| 3.427 | 22.03 | 63.72 | 0.92 | 7.27 | 126.8 | 1.1 | 46.06 |
| 3.446 | 22.03 | 63.72 | 0.84 | 7.26 | 130.65 | 1.05 | 46.06 |
| 3.475 | 22.03 | 63.72 | 1.07 | 7.26 | 136.09 | 1.14 | 46.06 |
| 3.507 | 22.03 | 63.72 | 0.88 | 7.25 | 135.74 | 1.1 | 46.06 |
| 3.532 | 22.03 | 63.72 | 0.95 | 7.26 | 132.81 | 1.02 | 46.07 |
| 3.547 | 22.03 | 63.72 | 0.95 | 7.26 | 131.1 | 1.15 | 46.07 |
| 3.559 | 22.03 | 63.72 | 1.11 | 7.26 | 135.3 | 1.09 | 46.07 |
| 3.578 | 22.03 | 63.72 | 1.11 | 7.26 | 141.29 | 1.05 | 46.07 |
| 3.602 | 22.03 | 63.73 | 1.03 | 7.26 | 143.3 | 1.13 | 46.07 |
| 3.623 | 22.03 | 63.73 | 1.11 | 7.24 | 139.02 | 1.13 | 46.07 |
| 3.643 | 22.03 | 63.74 | 0.95 | 7.24 | 137.83 | 1.13 | 46.08 |
| 3.672 | 22.03 | 63.73 | 0.84 | 7.23 | 141.82 | 1.11 | 46.07 |
| 3.703 | 22.03 | 63.74 | 0.99 | 7.23 | 143.14 | 1.12 | 46.07 |
| 3.729 | 22.03 | 63.74 | 0.99 | 7.22 | 142.54 | 1.11 | 46.08 |
| 3.747 | 22.03 | 63.75 | 1.07 | 7.21 | 143.94 | 1.01 | 46.08 |
| 3.755 | 22.03 | 63.76 | 1.03 | 7.21 | 143.07 | 1.15 | 46.09 |
| 3.763 | 22.03 | 63.76 | 1.11 | 7.21 | 143.64 | 1.12 | 46.09 |
| 3.786 | 22.04 | 63.76 | 1.11 | 7.22 | 147.18 | 1.12 | 46.08 |
| 3.826 | 22.04 | 63.76 | 1.07 | 7.23 | 150.45 | 1.1 | 46.08 |
| 3.86 | 22.04 | 63.77 | 0.95 | 7.23 | 144.57 | 1.14 | 46.09 |
| 3.874 | 22.04 | 63.78 | 0.95 | 7.22 | 141.52 | 1.05 | 46.1 |
| 3.881 | 22.05 | 63.82 | 1.22 | 7.2 | 147.45 | 1.11 | 46.13 |
| 3.904 | 22.06 | 63.82 | 1.03 | 7.19 | 155.13 | 1.16 | 46.11 |
| 3.938 | 22.06 | 63.83 | 0.99 | 7.18 | 152.63 | 1.16 | 46.11 |
| 3.966 | 22.07 | 63.85 | 0.8 | 7.17 | 146.46 | 1.09 | 46.12 |
| 3.978 | 22.07 | 63.85 | 1.03 | 7.16 | 144.34 | 1.07 | 46.12 |
| 3.98 | 22.08 | 63.85 | 0.99 | 7.15 | 147.55 | 1.25 | 46.12 |
| 3.994 | 22.08 | 63.85 | 1.03 | 7.15 | 153.45 | 1.14 | 46.11 |
| 4.037 | 22.08 | 63.85 | 1.03 | 7.14 | 156.93 | 1.14 | 46.11 |
| 4.087 | 22.08 | 63.86 | 1.03 | 7.13 | 159.06 | 1.2 | 46.12 |
| 4.104 | 22.09 | 63.88 | 1.11 | 7.07 | 151.57 | 1.18 | 46.13 |
| 4.126 | 22.09 | 63.88 | 0.92 | 7.06 | 158.03 | 1.1 | 46.12 |
| 4.165 | 22.1 | 63.89 | 1.14 | 7.05 | 163.05 | 1.11 | 46.13 |
| 4.202 | 22.1 | 63.89 | 0.95 | 7.04 | 164.88 | 1.17 | 46.13 |
| 4.226 | 22.1 | 63.89 | 1.03 | 7.04 | 159.54 | 1.21 | 46.12 |
| 4.237 | 22.1 | 63.89 | 0.88 | 7.04 | 156.1 | 1.12 | 46.12 |

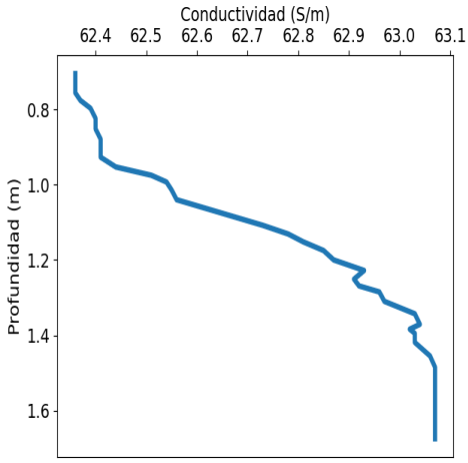
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4.25 | 22.1 | 63.89 | 0.99 | 7.04 | 160.17 | 0.98 | 46.13 |
| 4.278 | 22.1 | 63.89 | 1.11 | 7.04 | 164.69 | 1.07 | 46.13 |
| 4.309 | 22.1 | 63.9 | 0.95 | 7.04 | 164.3 | 1.08 | 46.13 |
| 4.328 | 22.1 | 63.9 | 1.11 | 7.03 | 163.32 | 1.2 | 46.13 |
| 4.335 | 22.1 | 63.9 | 1.14 | 7.04 | 171.07 | 1.23 | 46.13 |
| 4.349 | 22.1 | 63.9 | 1.11 | 7.04 | 175.36 | 1.12 | 46.13 |
| 4.379 | 22.1 | 63.9 | 0.88 | 7.04 | 169.88 | 1.05 | 46.13 |
| 4.414 | 22.1 | 63.9 | 0.95 | 7.04 | 167.03 | 1.09 | 46.13 |
| 4.442 | 22.11 | 63.91 | 0.88 | 7.04 | 173.02 | 1.1 | 46.13 |
| 4.461 | 22.11 | 63.91 | 0.92 | 7.05 | 177.28 | 1.11 | 46.13 |
| 4.475 | 22.11 | 63.91 | 0.99 | 7.05 | 176.95 | 1.12 | 46.13 |
| 4.491 | 22.11 | 63.91 | 0.92 | 7.05 | 170.12 | 1.05 | 46.13 |
| 4.51 | 22.11 | 63.91 | 0.95 | 7.06 | 178.64 | 1.13 | 46.13 |
| 4.525 | 22.11 | 63.91 | 0.95 | 7.06 | 188.51 | 1.14 | 46.13 |
| 4.544 | 22.11 | 63.91 | 0.99 | 7.05 | 182.37 | 1.13 | 46.13 |
| 4.583 | 22.11 | 63.91 | 0.92 | 7.05 | 204.87 | 1.08 | 46.13 |
| 4.629 | 22.11 | 63.92 | 0.99 | 7.05 | 194.82 | 1.11 | 46.14 |
| 4.636 | 22.11 | 63.92 | 0.88 | 7.05 | 223.47 | 1.02 | 46.13 |
| 4.653 | 22.11 | 63.92 | 0.95 | 7.05 | 214.19 | 1.11 | 46.13 |
| 4.701 | 22.12 | 63.93 | 0.95 | 7.05 | 196.27 | 1.2 | 46.14 |
| 4.75 | 22.12 | 63.93 | 0.95 | 7.02 | 184.71 | 1.17 | 46.14 |
| 4.773 | 22.12 | 63.94 | 0.95 | 7.04 | 219.67 | 1.13 | 46.14 |
| 4.774 | 22.12 | 63.94 | 0.92 | 7.02 | 198.01 | 1.01 | 46.14 |
| 4.779 | 22.12 | 63.94 | 0.99 | 7.02 | 199.8 | 1.1 | 46.14 |
| 4.804 | 22.12 | 63.94 | 0.92 | 7.02 | 185.48 | 1.12 | 46.14 |
| 4.837 | 22.12 | 63.94 | 0.99 | 7.02 | 197.73 | 1.14 | 46.14 |
| 4.857 | 22.12 | 63.93 | 0.99 | 7.01 | 208.75 | 1.09 | 46.14 |
| 4.867 | 22.12 | 63.93 | 1.11 | 7.02 | 213.94 | 1.05 | 46.14 |
| 4.882 | 22.12 | 63.93 | 0.92 | 7.03 | 187.03 | 1.1 | 46.14 |
| 4.911 | 22.12 | 63.93 | 1.11 | 7.04 | 202.88 | 1.01 | 46.14 |
| 4.945 | 22.12 | 63.94 | 0.92 | 7.05 | 211.28 | 1.17 | 46.14 |
| 4.975 | 22.12 | 63.94 | 0.95 | 7.04 | 219.42 | 1.12 | 46.14 |
| 4.993 | 22.12 | 63.93 | 0.92 | 7.04 | 195.41 | 1.11 | 46.14 |
| 4.998 | 22.12 | 63.93 | 0.84 | 7.04 | 212.07 | 1.05 | 46.13 |
| 5.007 | 22.12 | 63.93 | 0.99 | 7.06 | 194.23 | 1.14 | 46.14 |
| 5.026 | 22.12 | 63.93 | 0.95 | 7.05 | 194.64 | 1.14 | 46.14 |
| 5.053 | 22.12 | 63.93 | 0.84 | 7.05 | 231.7 | 1.14 | 46.14 |
| 5.082 | 22.12 | 63.93 | 0.88 | 7.05 | 209.82 | 1.14 | 46.14 |
| 5.108 | 22.12 | 63.93 | 0.92 | 7.05 | 192.98 | 1.01 | 46.14 |
| 5.13 | 22.12 | 63.94 | 0.8 | 7.04 | 193.65 | 1.04 | 46.14 |
| 5.15 | 22.12 | 63.93 | 1.03 | 7.03 | 173.34 | 1.14 | 46.14 |
| 5.162 | 22.12 | 63.93 | 0.88 | 7.02 | 180.73 | 1.06 | 46.14 |
| 5.17 | 22.12 | 63.93 | 0.88 | 7.04 | 204.82 | 1.01 | 46.14 |
| 5.194 | 22.12 | 63.93 | 0.8 | 7.03 | 201.01 | 1.24 | 46.14 |
| 5.233 | 22.12 | 63.93 | 0.92 | 7.01 | 183.55 | 1.14 | 46.13 |
| 5.259 | 22.12 | 63.93 | 1.07 | 7.03 | 204.44 | 1.08 | 46.14 |
| 5.26 | 22.12 | 63.94 | 0.95 | 7.03 | 209.92 | 1.36 | 46.14 |
| 5.264 | 22.12 | 63.94 | 0.88 | 7.03 | 179.72 | 1.11 | 46.14 |
| 5.293 | 22.12 | 63.94 | 0.8 | 7.03 | 182.66 | 1.15 | 46.14 |
| 5.337 | 22.12 | 63.95 | 0.92 | 7.03 | 216.44 | 1.24 | 46.15 |
| 5.365 | 22.13 | 63.95 | 0.95 | 7.03 | 198.79 | 1.13 | 46.15 |
| 5.367 | 22.13 | 63.96 | 0.84 | 7.02 | 181.4 | 1.16 | 46.15 |
| 5.368 | 22.13 | 63.96 | 0.88 | 7.03 | 176.38 | 1.14 | 46.15 |
| 5.394 | 22.13 | 63.96 | 0.88 | 7.05 | 187.68 | 1.14 | 46.14 |
| 5.434 | 22.13 | 63.96 | 0.84 | 7.05 | 198.97 | 1.27 | 46.14 |
| 5.463 | 22.13 | 63.96 | 1.03 | 7.06 | 188.34 | 1.15 | 46.14 |
| 5.472 | 22.13 | 63.95 | 0.92 | 7.07 | 167.46 | 1.08 | 46.14 |
| 5.484 | 22.13 | 63.95 | 0.92 | 7.07 | 189.56 | 1.1 | 46.14 |

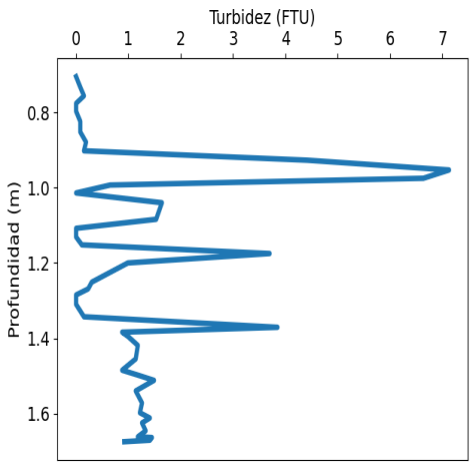
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5.512 | 22.13 | 63.95 | 0.95 | 7.07 | 186.69 | 1.17 | 46.14 |
| 5.543 | 22.13 | 63.95 | 0.99 | 7.07 | 172.3 | 1.11 | 46.14 |
| 5.565 | 22.13 | 63.96 | 0.92 | 7.07 | 166.18 | 1.13 | 46.14 |
| 5.579 | 22.13 | 63.96 | 0.88 | 7.07 | 186.25 | 1.14 | 46.14 |
| 5.594 | 22.13 | 63.96 | 0.92 | 7.06 | 184.58 | 1.05 | 46.14 |
| 5.615 | 22.13 | 63.96 | 0.92 | 7.06 | 180.31 | 1.11 | 46.15 |
| 5.631 | 22.13 | 63.96 | 0.88 | 7.05 | 183.13 | 1.02 | 46.15 |
| 5.644 | 22.13 | 63.96 | 0.88 | 7.04 | 176.54 | 1.09 | 46.15 |
| 5.657 | 22.13 | 63.96 | 0.84 | 7.05 | 170.55 | 1.09 | 46.15 |
| 5.677 | 22.13 | 63.96 | 0.84 | 7.05 | 178.48 | 1.08 | 46.15 |
| 5.705 | 22.14 | 63.97 | 0.88 | 7.06 | 202.32 | 1.1 | 46.15 |
| 5.737 | 22.14 | 63.97 | 0.99 | 7.07 | 181.1 | 1.17 | 46.15 |
| 5.754 | 22.14 | 63.97 | 0.88 | 7.09 | 156.53 | 1.06 | 46.15 |
| 5.759 | 22.14 | 63.97 | 0.92 | 7.1 | 164.34 | 1.12 | 46.15 |
| 5.784 | 22.14 | 63.97 | 0.92 | 7.11 | 179.6 | 1.1 | 46.15 |
| 5.812 | 22.14 | 63.97 | 0.8 | 7.11 | 168.43 | 1.1 | 46.15 |
| 5.833 | 22.14 | 63.97 | 0.72 | 7.1 | 161.06 | 1.14 | 46.15 |
| 5.847 | 22.14 | 63.97 | 1.03 | 7.09 | 168.31 | 1.17 | 46.15 |
| 5.861 | 22.14 | 63.97 | 0.88 | 7.08 | 190.93 | 1.05 | 46.15 |
| 5.888 | 22.14 | 63.98 | 0.92 | 7.06 | 171.18 | 1.11 | 46.15 |
| 5.92 | 22.14 | 63.98 | 1.03 | 7.05 | 159.8 | 1.24 | 46.15 |
| 5.932 | 22.14 | 63.97 | 0.8 | 7.07 | 168.86 | 1.2 | 46.15 |
| 5.948 | 22.14 | 63.97 | 0.95 | 7.09 | 161.4 | 1.05 | 46.15 |
| 5.991 | 22.14 | 63.97 | 0.76 | 7.1 | 168.98 | 1.09 | 46.15 |
| 6.032 | 22.14 | 63.98 | 0.8 | 7.11 | 177.61 | 1.14 | 46.15 |
| 6.051 | 22.14 | 63.97 | 0.95 | 7.12 | 159.46 | 1.12 | 46.15 |
| 6.052 | 22.14 | 63.97 | 0.95 | 7.12 | 152.81 | 1.05 | 46.15 |
| 6.056 | 22.14 | 63.97 | 0.76 | 7.11 | 158.32 | 1.1 | 46.15 |
| 6.079 | 22.14 | 63.97 | 0.92 | 7.11 | 159.65 | 1.08 | 46.15 |
| 6.109 | 22.14 | 63.97 | 0.88 | 7.11 | 160.73 | 1.05 | 46.15 |
| 6.129 | 22.14 | 63.97 | 0.95 | 7.11 | 156.93 | 1.11 | 46.15 |
| 6.138 | 22.14 | 63.97 | 0.88 | 7.11 | 155.49 | 1.12 | 46.15 |
| 6.15 | 22.14 | 63.97 | 0.8 | 7.11 | 159.8 | 1.08 | 46.15 |
| 6.171 | 22.14 | 63.97 | 0.76 | 7.11 | 154.37 | 1.08 | 46.15 |
| 6.198 | 22.14 | 63.97 | 0.84 | 7.11 | 156.46 | 1.17 | 46.15 |
| 6.224 | 22.14 | 63.97 | 0.92 | 7.11 | 163.05 | 1.2 | 46.15 |
| 6.245 | 22.14 | 63.97 | 0.88 | 7.11 | 159.32 | 1.15 | 46.15 |
| 6.258 | 22.14 | 63.97 | 0.99 | 7.11 | 153.16 | 1.15 | 46.15 |
| 6.267 | 22.14 | 63.97 | 0.84 | 7.1 | 149.65 | 1.07 | 46.15 |
| 6.278 | 22.14 | 63.97 | 0.84 | 7.1 | 150.77 | 1.05 | 46.15 |
| 6.302 | 22.14 | 63.98 | 0.92 | 7.1 | 158.73 | 1.26 | 46.15 |
| 6.33 | 22.14 | 63.98 | 0.95 | 7.1 | 154.02 | 1.15 | 46.15 |
| 6.354 | 22.14 | 63.98 | 0.88 | 7.1 | 145.11 | 0.99 | 46.15 |
| 6.372 | 22.14 | 63.98 | 0.92 | 7.1 | 143.07 | 1.21 | 46.15 |
| 6.386 | 22.14 | 63.98 | 0.76 | 7.1 | 153.23 | 1.15 | 46.15 |
| 6.394 | 22.15 | 63.98 | 0.88 | 7.1 | 155.85 | 1.16 | 46.15 |
| 6.399 | 22.15 | 63.98 | 0.88 | 7.1 | 150.07 | 1.17 | 46.15 |
| 6.402 | 22.15 | 63.98 | 0.8 | 7.1 | 144.51 | 1.39 | 46.15 |
| 6.407 | 22.15 | 63.98 | 0.88 | 7.11 | 137.39 | 1.24 | 46.15 |
| 6.411 | 22.15 | 63.97 | 0.99 | 7.12 | 142.51 | 1.14 | 46.14 |
| 6.414 | 22.14 | 63.97 | 0.76 | 7.14 | 151.78 | 1.23 | 46.14 |
| 6.417 | 22.14 | 63.97 | 0.8 | 7.16 | 153.59 | 1.23 | 46.15 |

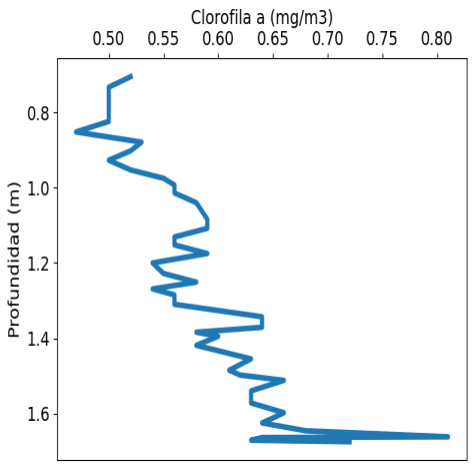
**Nombre: CTD P03 - Punto 011** **Fecha: 22/10/2024** **Hora: 11:10:14**

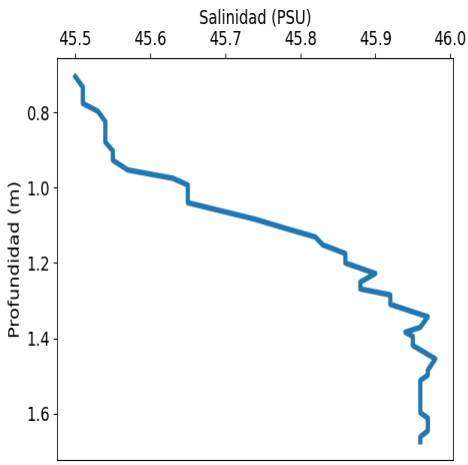


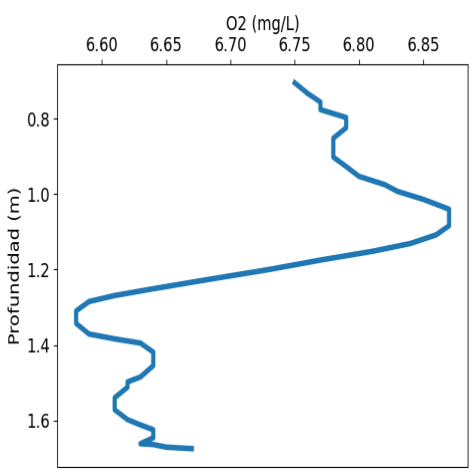



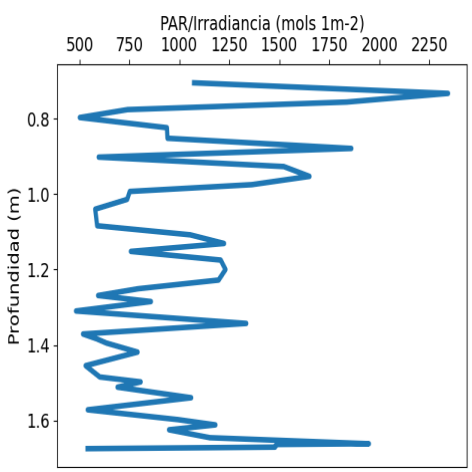




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 21.5 | 62.36 | 0.0 | 6.58 | 482.85 | 0.47 | 45.5 |
| **PROF (metros)** | 0.705 | 0.705 | 0.705 | 1.31 | 1.31 | 0.852 | 0.705 |
| **MÁXIMO** | 21.62 | 21.62 | 7.13 | 6.87 | 2343.2 | 0.81 | 45.98 |
| **PROF (metros)** | 1.498 | 1.485 | 0.953 | 1.04 | 0.733 | 1.662 | 1.455 |

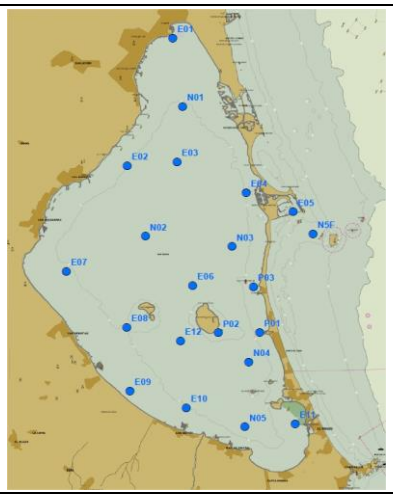
| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD P03 - Punto 011 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 21.5 | 62.42 | 1.96 | 6.79 | 1379.91 | 0.52 | 45.56 |
| 1 - 2m | 21.59 | 62.99 | 1.24 | 6.66 | 917.31 | 0.62 | 45.92 |

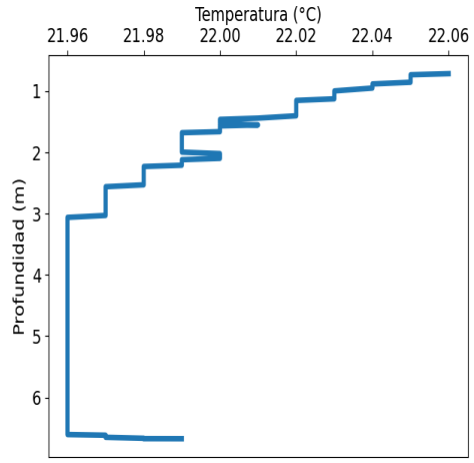
| OBSERVACIONES GENERALES |
|---|
| |

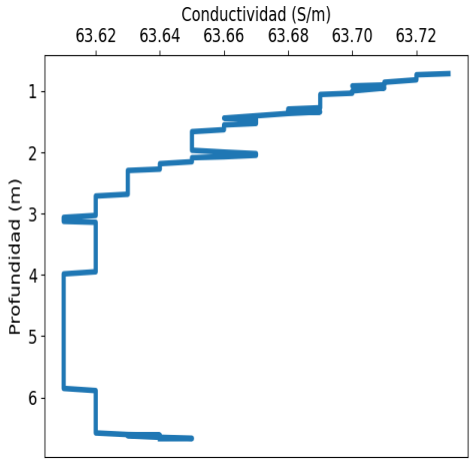
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.705 | 21.5 | 62.36 | 0.0 | 6.75 | 1073.2 | 0.52 | 45.5 |
| 0.733 | 21.5 | 62.36 | 0.08 | 6.76 | 2343.2 | 0.5 | 45.51 |
| 0.756 | 21.5 | 62.36 | 0.15 | 6.77 | 1835.3 | 0.5 | 45.51 |
| 0.776 | 21.5 | 62.37 | 0.0 | 6.77 | 741.19 | 0.5 | 45.51 |
| 0.797 | 21.5 | 62.39 | 0.0 | 6.79 | 501.79 | 0.5 | 45.53 |
| 0.824 | 21.5 | 62.4 | 0.08 | 6.79 | 937.78 | 0.5 | 45.54 |
| 0.852 | 21.5 | 62.4 | 0.08 | 6.78 | 940.39 | 0.47 | 45.54 |
| 0.879 | 21.5 | 62.41 | 0.19 | 6.78 | 1859.7 | 0.53 | 45.54 |
| 0.902 | 21.5 | 62.41 | 0.15 | 6.78 | 596.37 | 0.52 | 45.55 |
| 0.927 | 21.5 | 62.41 | 4.42 | 6.79 | 1521.9 | 0.5 | 45.55 |
| 0.953 | 21.5 | 62.44 | 7.13 | 6.8 | 1650.5 | 0.52 | 45.57 |
| 0.975 | 21.5 | 62.51 | 6.64 | 6.82 | 1361.9 | 0.55 | 45.63 |
| 0.993 | 21.5 | 62.54 | 0.65 | 6.83 | 752.09 | 0.56 | 45.65 |
| 1.014 | 21.51 | 62.55 | 0.0 | 6.85 | 738.96 | 0.56 | 45.65 |
| 1.04 | 21.51 | 62.56 | 1.64 | 6.87 | 579.07 | 0.58 | 45.65 |
| 1.084 | 21.52 | 62.67 | 1.53 | 6.87 | 588.95 | 0.59 | 45.74 |
| 1.108 | 21.53 | 62.73 | 0.0 | 6.86 | 1054.0 | 0.59 | 45.78 |
| 1.131 | 21.53 | 62.78 | 0.0 | 6.84 | 1223.6 | 0.56 | 45.82 |
| 1.152 | 21.54 | 62.81 | 0.11 | 6.81 | 757.17 | 0.56 | 45.83 |
| 1.175 | 21.55 | 62.85 | 3.7 | 6.77 | 1206.5 | 0.59 | 45.86 |
| 1.2 | 21.56 | 62.87 | 0.99 | 6.73 | 1230.5 | 0.54 | 45.86 |
| 1.228 | 21.56 | 62.93 | 0.61 | 6.68 | 1195.9 | 0.55 | 45.9 |
| 1.251 | 21.57 | 62.91 | 0.3 | 6.64 | 794.01 | 0.58 | 45.88 |
| 1.269 | 21.58 | 62.92 | 0.23 | 6.61 | 593.2 | 0.54 | 45.88 |
| 1.285 | 21.58 | 62.96 | 0.0 | 6.59 | 857.92 | 0.56 | 45.92 |
| 1.31 | 21.58 | 62.97 | 0.0 | 6.58 | 482.85 | 0.56 | 45.92 |
| 1.343 | 21.59 | 63.03 | 0.15 | 6.58 | 1334.4 | 0.64 | 45.97 |
| 1.371 | 21.6 | 63.04 | 3.85 | 6.59 | 517.86 | 0.64 | 45.96 |
| 1.384 | 21.6 | 63.02 | 0.88 | 6.61 | 587.45 | 0.58 | 45.94 |
| 1.395 | 21.6 | 63.03 | 0.99 | 6.63 | 635.17 | 0.6 | 45.95 |
| 1.419 | 21.6 | 63.03 | 1.18 | 6.64 | 791.26 | 0.58 | 45.95 |
| 1.455 | 21.6 | 63.06 | 1.14 | 6.64 | 530.99 | 0.63 | 45.98 |
| 1.485 | 21.61 | 63.07 | 0.88 | 6.63 | 602.06 | 0.61 | 45.97 |
| 1.498 | 21.62 | 63.07 | 1.18 | 6.62 | 806.81 | 0.62 | 45.97 |
| 1.512 | 21.62 | 63.07 | 1.49 | 6.62 | 690.45 | 0.66 | 45.96 |
| 1.54 | 21.62 | 63.07 | 1.14 | 6.61 | 1059.1 | 0.63 | 45.96 |
| 1.572 | 21.62 | 63.07 | 1.26 | 6.61 | 541.55 | 0.63 | 45.96 |
| 1.598 | 21.62 | 63.07 | 1.22 | 6.62 | 992.57 | 0.66 | 45.96 |
| 1.612 | 21.62 | 63.07 | 1.41 | 6.63 | 1180.2 | 0.65 | 45.97 |
| 1.625 | 21.62 | 63.07 | 1.26 | 6.64 | 947.83 | 0.64 | 45.97 |

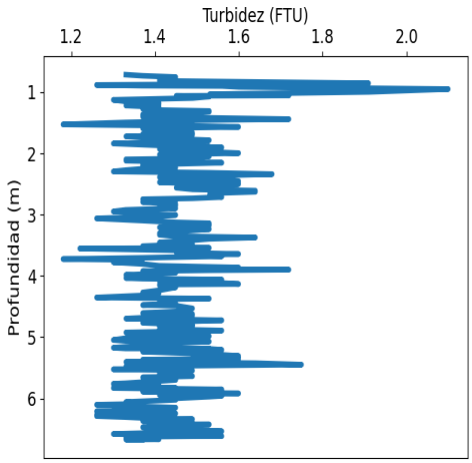
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.646 | 21.62 | 63.07 | 1.33 | 6.64 | 1152.6 | 0.68 | 45.97 |
| 1.662 | 21.62 | 63.07 | 1.18 | 6.63 | 1947.5 | 0.81 | 45.96 |
| 1.664 | 21.62 | 63.07 | 1.45 | 6.64 | 1484.9 | 0.64 | 45.96 |
| 1.671 | 21.62 | 63.07 | 1.41 | 6.65 | 1478.4 | 0.63 | 45.96 |
| 1.675 | 21.62 | 63.07 | 0.92 | 6.67 | 540.92 | 0.72 | 45.96 |

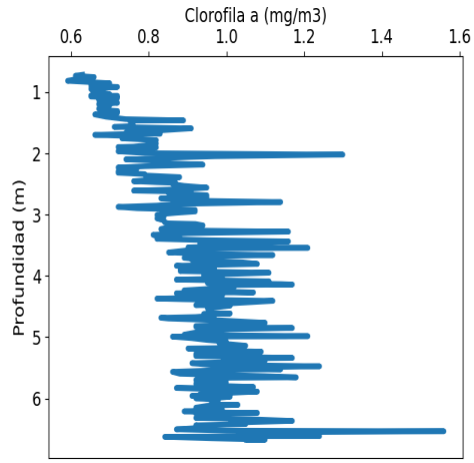
**Nombre: CTD E06 - Punto 012** **Fecha: 22/10/2024** **Hora: 11:10:14**

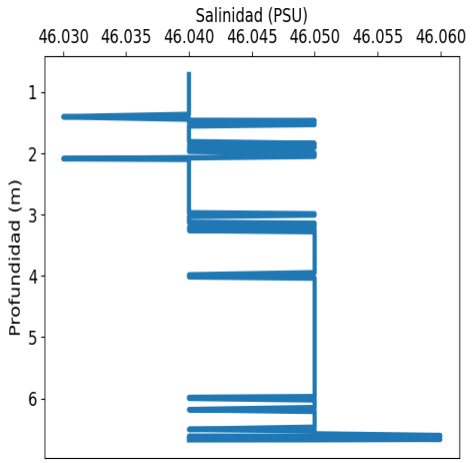


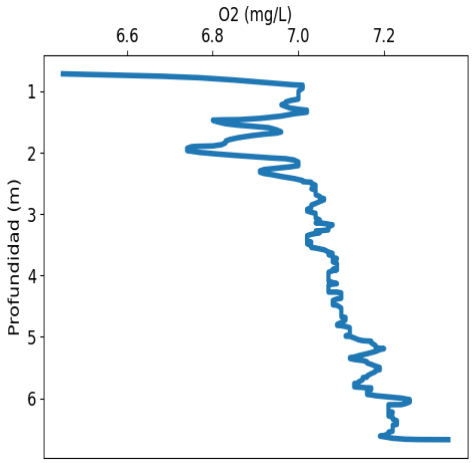



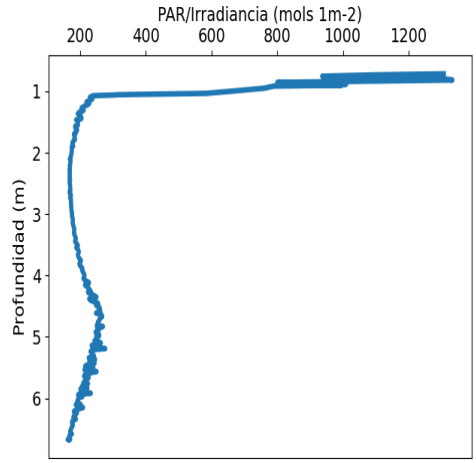



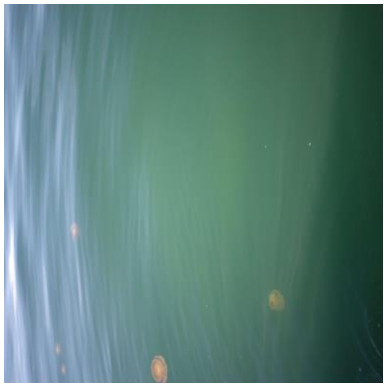



| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 21.96 | 63.61 | 1.18 | 6.45 | 162.45 | 0.59 | 46.03 |
| **PROF (metros)** | 3.061 | 3.061 | 1.527 | 0.714 | 6.674 | 0.815 | 1.402 |
| **MÁXIMO** | 22.06 | 22.06 | 2.1 | 7.35 | 1332.6 | 1.56 | 46.06 |
| **PROF (metros)** | 0.714 | 0.714 | 0.949 | 6.675 | 0.815 | 6.537 | 6.607 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E06 - Punto 012 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 22.04 | 63.71 | 1.56 | 6.85 | 990.28 | 0.65 | 46.04 |
| 1 - 2m | 22.01 | 63.67 | 1.45 | 6.91 | 210.0 | 0.74 | 46.04 |
| 2 - 3m | 21.98 | 63.63 | 1.46 | 7.0 | 170.8 | 0.86 | 46.04 |
| 3 - 4m | 21.96 | 63.62 | 1.44 | 7.06 | 190.96 | 0.93 | 46.05 |
| 4 - 5m | 21.96 | 63.61 | 1.43 | 7.09 | 243.4 | 0.98 | 46.05 |
| 5 - 6m | 21.96 | 63.61 | 1.44 | 7.17 | 227.07 | 0.99 | 46.05 |
| 6 - 7m | 21.97 | 63.62 | 1.4 | 7.23 | 179.78 | 1.02 | 46.05 |

| 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 | 22.06 | 63.73 | 1.33 | 6.45 | 1306.3 | 0.63 | 46.04 |
| 0.732 | 22.05 | 63.72 | 1.37 | 6.56 | 1090.3 | 0.61 | 46.04 |
| 0.753 | 22.05 | 63.72 | 1.45 | 6.68 | 936.26 | 0.66 | 46.04 |
| 0.778 | 22.05 | 63.72 | 1.41 | 6.77 | 1281.7 | 0.62 | 46.04 |
| 0.815 | 22.05 | 63.72 | 1.41 | 6.85 | 1332.6 | 0.59 | 46.04 |
| 0.854 | 22.05 | 63.71 | 1.91 | 6.92 | 799.74 | 0.7 | 46.04 |
| 0.882 | 22.04 | 63.71 | 1.26 | 6.97 | 1009.7 | 0.66 | 46.04 |
| 0.894 | 22.04 | 63.71 | 1.37 | 6.99 | 917.57 | 0.66 | 46.04 |
| 0.899 | 22.04 | 63.71 | 1.56 | 7.01 | 996.49 | 0.65 | 46.04 |
| 0.914 | 22.04 | 63.7 | 1.6 | 7.01 | 789.61 | 0.72 | 46.04 |
| 0.949 | 22.04 | 63.71 | 2.1 | 7.01 | 759.28 | 0.65 | 46.04 |
| 0.996 | 22.03 | 63.7 | 1.91 | 7.0 | 663.77 | 0.66 | 46.04 |
| 1.033 | 22.03 | 63.7 | 1.53 | 7.0 | 582.03 | 0.7 | 46.04 |
| 1.054 | 22.03 | 63.69 | 1.72 | 7.0 | 317.7 | 0.65 | 46.04 |
| 1.06 | 22.03 | 63.69 | 1.45 | 7.0 | 299.12 | 0.72 | 46.04 |
| 1.071 | 22.03 | 63.69 | 1.53 | 7.0 | 239.17 | 0.65 | 46.04 |
| 1.096 | 22.03 | 63.69 | 1.49 | 7.0 | 229.72 | 0.72 | 46.04 |
| 1.125 | 22.03 | 63.69 | 1.3 | 7.0 | 237.79 | 0.67 | 46.04 |
| 1.151 | 22.02 | 63.69 | 1.33 | 6.98 | 227.28 | 0.7 | 46.04 |
| 1.174 | 22.02 | 63.69 | 1.41 | 6.97 | 219.47 | 0.72 | 46.04 |
| 1.196 | 22.02 | 63.69 | 1.41 | 6.97 | 228.55 | 0.67 | 46.04 |
| 1.218 | 22.02 | 63.69 | 1.33 | 6.96 | 223.06 | 0.7 | 46.04 |
| 1.244 | 22.02 | 63.69 | 1.41 | 6.97 | 212.21 | 0.69 | 46.04 |
| 1.271 | 22.02 | 63.69 | 1.37 | 6.98 | 204.25 | 0.67 | 46.04 |
| 1.292 | 22.02 | 63.68 | 1.41 | 7.0 | 205.58 | 0.68 | 46.04 |
| 1.307 | 22.02 | 63.68 | 1.53 | 7.02 | 211.38 | 0.72 | 46.04 |
| 1.319 | 22.02 | 63.68 | 1.53 | 7.02 | 207.69 | 0.71 | 46.04 |
| 1.339 | 22.02 | 63.69 | 1.49 | 7.02 | 197.69 | 0.72 | 46.04 |
| 1.364 | 22.02 | 63.68 | 1.37 | 6.99 | 193.02 | 0.66 | 46.04 |
| 1.402 | 22.02 | 63.67 | 1.37 | 6.96 | 202.56 | 0.69 | 46.03 |
| 1.44 | 22.01 | 63.66 | 1.72 | 6.91 | 204.68 | 0.74 | 46.04 |
| 1.461 | 22.0 | 63.67 | 1.45 | 6.86 | 195.72 | 0.89 | 46.04 |
| 1.464 | 22.0 | 63.67 | 1.45 | 6.82 | 187.94 | 0.76 | 46.05 |
| 1.469 | 22.0 | 63.67 | 1.49 | 6.8 | 190.36 | 0.75 | 46.05 |
| 1.494 | 22.0 | 63.67 | 1.33 | 6.81 | 193.65 | 0.76 | 46.04 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.527 | 22.0 | 63.67 | 1.18 | 6.83 | 193.56 | 0.76 | 46.05 |
| 1.551 | 22.01 | 63.66 | 1.49 | 6.86 | 193.51 | 0.76 | 46.04 |
| 1.567 | 22.0 | 63.66 | 1.6 | 6.89 | 185.22 | 0.71 | 46.04 |
| 1.591 | 22.0 | 63.66 | 1.37 | 6.93 | 185.48 | 0.91 | 46.04 |
| 1.629 | 22.0 | 63.66 | 1.41 | 6.95 | 191.46 | 0.82 | 46.04 |
| 1.661 | 22.0 | 63.65 | 1.49 | 6.96 | 187.68 | 0.74 | 46.04 |
| 1.678 | 21.99 | 63.65 | 1.41 | 6.95 | 184.36 | 0.83 | 46.04 |
| 1.685 | 21.99 | 63.65 | 1.37 | 6.94 | 186.17 | 0.73 | 46.04 |
| 1.697 | 21.99 | 63.65 | 1.49 | 6.92 | 181.4 | 0.66 | 46.04 |
| 1.722 | 21.99 | 63.65 | 1.33 | 6.89 | 183.51 | 0.78 | 46.04 |
| 1.754 | 21.99 | 63.65 | 1.41 | 6.86 | 182.96 | 0.73 | 46.04 |
| 1.784 | 21.99 | 63.65 | 1.53 | 6.84 | 185.01 | 0.82 | 46.04 |
| 1.809 | 21.99 | 63.65 | 1.49 | 6.83 | 179.51 | 0.8 | 46.04 |
| 1.838 | 21.99 | 63.65 | 1.3 | 6.83 | 176.91 | 0.82 | 46.05 |
| 1.869 | 21.99 | 63.65 | 1.41 | 6.82 | 176.99 | 0.79 | 46.04 |
| 1.889 | 21.99 | 63.65 | 1.53 | 6.8 | 179.43 | 0.76 | 46.05 |
| 1.896 | 21.99 | 63.65 | 1.49 | 6.76 | 176.75 | 0.72 | 46.05 |
| 1.902 | 21.99 | 63.65 | 1.56 | 6.75 | 174.63 | 0.82 | 46.05 |
| 1.928 | 21.99 | 63.65 | 1.41 | 6.74 | 175.08 | 0.78 | 46.04 |
| 1.965 | 21.99 | 63.65 | 1.49 | 6.74 | 175.12 | 0.72 | 46.04 |
| 1.995 | 21.99 | 63.66 | 1.6 | 6.77 | 174.51 | 0.79 | 46.05 |
| 2.02 | 22.0 | 63.67 | 1.41 | 6.81 | 173.66 | 1.3 | 46.05 |
| 2.047 | 22.0 | 63.67 | 1.53 | 6.86 | 172.98 | 0.97 | 46.05 |
| 2.071 | 22.0 | 63.66 | 1.49 | 6.91 | 171.9 | 0.85 | 46.04 |
| 2.086 | 22.0 | 63.65 | 1.45 | 6.94 | 170.91 | 0.83 | 46.03 |
| 2.097 | 22.0 | 63.65 | 1.33 | 6.97 | 168.86 | 0.74 | 46.04 |
| 2.119 | 21.99 | 63.65 | 1.33 | 6.99 | 171.38 | 0.82 | 46.04 |
| 2.152 | 21.99 | 63.65 | 1.56 | 7.0 | 171.26 | 0.82 | 46.04 |
| 2.184 | 21.99 | 63.64 | 1.37 | 7.0 | 169.92 | 0.94 | 46.04 |
| 2.209 | 21.99 | 63.64 | 1.37 | 7.0 | 168.66 | 0.79 | 46.04 |
| 2.23 | 21.98 | 63.64 | 1.45 | 6.98 | 169.41 | 0.72 | 46.04 |
| 2.251 | 21.98 | 63.64 | 1.37 | 6.95 | 168.98 | 0.77 | 46.04 |
| 2.273 | 21.98 | 63.64 | 1.33 | 6.92 | 168.12 | 0.73 | 46.04 |
| 2.295 | 21.98 | 63.63 | 1.3 | 6.91 | 169.13 | 0.72 | 46.04 |
| 2.316 | 21.98 | 63.63 | 1.53 | 6.91 | 168.82 | 0.72 | 46.04 |
| 2.338 | 21.98 | 63.63 | 1.68 | 6.92 | 168.27 | 0.79 | 46.04 |
| 2.36 | 21.98 | 63.63 | 1.56 | 6.94 | 169.37 | 0.79 | 46.04 |
| 2.387 | 21.98 | 63.63 | 1.41 | 6.96 | 168.82 | 0.88 | 46.04 |
| 2.421 | 21.98 | 63.63 | 1.56 | 6.99 | 168.12 | 0.83 | 46.04 |
| 2.453 | 21.98 | 63.63 | 1.6 | 7.01 | 170.04 | 0.76 | 46.04 |
| 2.471 | 21.98 | 63.63 | 1.41 | 7.01 | 169.06 | 0.82 | 46.04 |
| 2.481 | 21.98 | 63.63 | 1.45 | 7.03 | 167.96 | 0.87 | 46.04 |
| 2.5 | 21.98 | 63.63 | 1.6 | 7.03 | 168.82 | 0.86 | 46.04 |
| 2.529 | 21.98 | 63.63 | 1.56 | 7.04 | 169.84 | 0.89 | 46.04 |
| 2.56 | 21.97 | 63.63 | 1.45 | 7.04 | 169.8 | 0.95 | 46.04 |
| 2.587 | 21.97 | 63.63 | 1.49 | 7.03 | 170.55 | 0.87 | 46.04 |
| 2.608 | 21.97 | 63.63 | 1.64 | 7.04 | 170.99 | 0.76 | 46.04 |
| 2.627 | 21.97 | 63.63 | 1.64 | 7.04 | 168.39 | 0.91 | 46.04 |
| 2.651 | 21.97 | 63.63 | 1.53 | 7.04 | 168.43 | 0.85 | 46.04 |
| 2.683 | 21.97 | 63.63 | 1.53 | 7.04 | 172.18 | 0.95 | 46.04 |
| 2.712 | 21.97 | 63.62 | 1.56 | 7.05 | 172.18 | 0.95 | 46.04 |
| 2.733 | 21.97 | 63.62 | 1.49 | 7.05 | 169.68 | 0.83 | 46.04 |
| 2.748 | 21.97 | 63.62 | 1.37 | 7.06 | 171.22 | 0.91 | 46.04 |
| 2.766 | 21.97 | 63.62 | 1.45 | 7.06 | 172.58 | 0.86 | 46.04 |
| 2.794 | 21.97 | 63.62 | 1.37 | 7.05 | 172.18 | 1.14 | 46.04 |
| 2.826 | 21.97 | 63.62 | 1.45 | 7.04 | 172.62 | 0.87 | 46.04 |
| 2.852 | 21.97 | 63.62 | 1.45 | 7.03 | 173.26 | 0.82 | 46.04 |
| 2.873 | 21.97 | 63.62 | 1.41 | 7.03 | 172.9 | 0.72 | 46.04 |

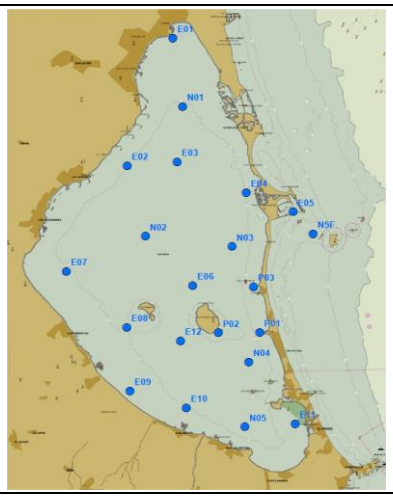
| 2.896 | 21.97 | 63.62 | 1.45 | 7.03 | 173.46 | 0.77 | 46.04 |
|---|---|---|---|---|---|---|---|
| 2.922 | 21.97 | 63.62 | 1.33 | 7.02 | 173.82 | 0.92 | 46.04 |
| 2.948 | 21.97 | 63.62 | 1.3 | 7.02 | 174.23 | 0.92 | 46.04 |
| 2.97 | 21.97 | 63.62 | 1.37 | 7.03 | 175.2 | 0.87 | 46.04 |
| 2.987 | 21.97 | 63.62 | 1.37 | 7.04 | 175.85 | 0.84 | 46.05 |
| 3.005 | 21.97 | 63.62 | 1.45 | 7.04 | 175.48 | 0.82 | 46.05 |
| 3.029 | 21.97 | 63.62 | 1.41 | 7.04 | 175.48 | 0.84 | 46.04 |
| 3.061 | 21.96 | 63.61 | 1.26 | 7.04 | 177.2 | 0.82 | 46.04 |
| 3.097 | 21.96 | 63.61 | 1.37 | 7.05 | 178.27 | 0.84 | 46.04 |
| 3.126 | 21.96 | 63.61 | 1.45 | 7.05 | 177.61 | 0.84 | 46.04 |
| 3.141 | 21.96 | 63.62 | 1.53 | 7.04 | 177.41 | 0.85 | 46.05 |
| 3.152 | 21.96 | 63.62 | 1.49 | 7.06 | 177.94 | 0.92 | 46.05 |
| 3.176 | 21.96 | 63.62 | 1.53 | 7.08 | 178.97 | 0.94 | 46.05 |
| 3.208 | 21.96 | 63.62 | 1.41 | 7.07 | 180.68 | 0.85 | 46.04 |
| 3.236 | 21.96 | 63.62 | 1.53 | 7.07 | 182.16 | 0.83 | 46.05 |
| 3.257 | 21.96 | 63.62 | 1.49 | 7.07 | 182.45 | 0.89 | 46.04 |
| 3.278 | 21.96 | 63.62 | 1.45 | 7.04 | 182.16 | 1.16 | 46.05 |
| 3.303 | 21.96 | 63.62 | 1.41 | 7.05 | 181.65 | 0.9 | 46.05 |
| 3.329 | 21.96 | 63.62 | 1.41 | 7.03 | 182.7 | 0.81 | 46.05 |
| 3.352 | 21.96 | 63.62 | 1.45 | 7.02 | 184.41 | 0.82 | 46.05 |
| 3.373 | 21.96 | 63.62 | 1.64 | 7.02 | 186.12 | 0.88 | 46.05 |
| 3.395 | 21.96 | 63.62 | 1.53 | 7.02 | 187.38 | 0.82 | 46.05 |
| 3.417 | 21.96 | 63.62 | 1.49 | 7.02 | 186.17 | 0.95 | 46.05 |
| 3.436 | 21.96 | 63.62 | 1.45 | 7.02 | 184.92 | 1.16 | 46.05 |
| 3.455 | 21.96 | 63.62 | 1.41 | 7.03 | 185.95 | 1.08 | 46.05 |
| 3.482 | 21.96 | 63.62 | 1.49 | 7.02 | 190.44 | 0.93 | 46.05 |
| 3.514 | 21.96 | 63.62 | 1.37 | 7.03 | 193.56 | 1.01 | 46.05 |
| 3.534 | 21.96 | 63.62 | 1.37 | 7.03 | 190.97 | 0.9 | 46.05 |
| 3.543 | 21.96 | 63.62 | 1.53 | 7.03 | 188.38 | 1.21 | 46.05 |
| 3.553 | 21.96 | 63.62 | 1.22 | 7.04 | 189.87 | 0.94 | 46.05 |
| 3.582 | 21.96 | 63.62 | 1.45 | 7.06 | 194.5 | 0.9 | 46.05 |
| 3.617 | 21.96 | 63.62 | 1.45 | 7.07 | 196.41 | 0.85 | 46.05 |
| 3.643 | 21.96 | 63.62 | 1.6 | 7.08 | 194.64 | 0.97 | 46.05 |
| 3.66 | 21.96 | 63.62 | 1.49 | 7.07 | 193.47 | 1.12 | 46.05 |
| 3.679 | 21.96 | 63.62 | 1.56 | 7.08 | 194.01 | 0.95 | 46.05 |
| 3.705 | 21.96 | 63.62 | 1.37 | 7.08 | 195.95 | 0.89 | 46.05 |
| 3.725 | 21.96 | 63.62 | 1.18 | 7.09 | 198.51 | 0.92 | 46.05 |
| 3.74 | 21.96 | 63.62 | 1.37 | 7.08 | 200.13 | 0.91 | 46.05 |
| 3.755 | 21.96 | 63.62 | 1.37 | 7.08 | 202.93 | 0.95 | 46.05 |
| 3.777 | 21.96 | 63.62 | 1.3 | 7.08 | 201.38 | 1.04 | 46.05 |
| 3.805 | 21.96 | 63.62 | 1.37 | 7.09 | 198.01 | 1.08 | 46.05 |
| 3.835 | 21.96 | 63.62 | 1.41 | 7.09 | 199.43 | 0.87 | 46.05 |
| 3.863 | 21.96 | 63.62 | 1.6 | 7.09 | 204.77 | 0.92 | 46.05 |
| 3.886 | 21.96 | 63.62 | 1.49 | 7.09 | 207.21 | 0.97 | 46.05 |
| 3.899 | 21.96 | 63.62 | 1.72 | 7.08 | 206.78 | 0.88 | 46.05 |
| 3.908 | 21.96 | 63.62 | 1.53 | 7.09 | 206.06 | 0.89 | 46.05 |
| 3.922 | 21.96 | 63.62 | 1.37 | 7.08 | 206.63 | 0.88 | 46.05 |
| 3.949 | 21.96 | 63.62 | 1.45 | 7.07 | 209.62 | 1.11 | 46.05 |
| 3.984 | 21.96 | 63.61 | 1.33 | 7.07 | 213.3 | 0.94 | 46.04 |
| 4.015 | 21.96 | 63.61 | 1.41 | 7.07 | 213.45 | 0.99 | 46.04 |
| 4.035 | 21.96 | 63.61 | 1.33 | 7.07 | 211.38 | 0.95 | 46.05 |
| 4.045 | 21.96 | 63.61 | 1.37 | 7.07 | 210.26 | 0.98 | 46.05 |
| 4.061 | 21.96 | 63.61 | 1.56 | 7.07 | 211.77 | 0.87 | 46.05 |
| 4.088 | 21.96 | 63.61 | 1.41 | 7.07 | 218.1 | 1.11 | 46.05 |
| 4.116 | 21.96 | 63.61 | 1.56 | 7.08 | 227.44 | 0.95 | 46.05 |
| 4.133 | 21.96 | 63.61 | 1.6 | 7.09 | 226.13 | 1.14 | 46.05 |
| 4.141 | 21.96 | 63.61 | 1.41 | 7.08 | 216.59 | 1.17 | 46.05 |
| 4.154 | 21.96 | 63.61 | 1.41 | 7.07 | 214.94 | 0.96 | 46.05 |

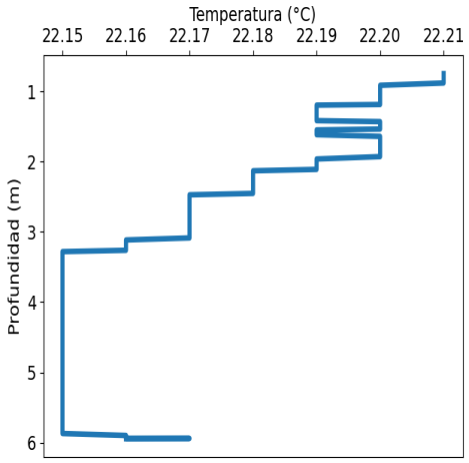
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4.186 | 21.96 | 63.61 | 1.45 | 7.07 | 222.08 | 1.02 | 46.05 |
| 4.236 | 21.96 | 63.61 | 1.41 | 7.07 | 230.2 | 0.89 | 46.05 |
| 4.27 | 21.96 | 63.61 | 1.37 | 7.07 | 233.53 | 1.07 | 46.05 |
| 4.271 | 21.96 | 63.61 | 1.37 | 7.09 | 224.04 | 0.95 | 46.05 |
| 4.284 | 21.96 | 63.61 | 1.41 | 7.1 | 226.6 | 0.87 | 46.05 |
| 4.32 | 21.96 | 63.61 | 1.37 | 7.1 | 240.23 | 0.99 | 46.05 |
| 4.353 | 21.96 | 63.61 | 1.26 | 7.1 | 250.12 | 0.95 | 46.05 |
| 4.371 | 21.96 | 63.61 | 1.53 | 7.1 | 237.57 | 0.82 | 46.05 |
| 4.382 | 21.96 | 63.61 | 1.41 | 7.09 | 227.81 | 0.89 | 46.05 |
| 4.408 | 21.96 | 63.61 | 1.41 | 7.08 | 233.1 | 1.12 | 46.05 |
| 4.449 | 21.96 | 63.61 | 1.45 | 7.08 | 254.09 | 1.01 | 46.05 |
| 4.477 | 21.96 | 63.61 | 1.37 | 7.08 | 256.22 | 0.92 | 46.05 |
| 4.486 | 21.96 | 63.61 | 1.45 | 7.09 | 248.73 | 1.01 | 46.05 |
| 4.531 | 21.96 | 63.61 | 1.49 | 7.1 | 260.11 | 0.95 | 46.05 |
| 4.581 | 21.96 | 63.61 | 1.45 | 7.1 | 261.98 | 0.96 | 46.05 |
| 4.609 | 21.96 | 63.61 | 1.37 | 7.1 | 249.19 | 0.95 | 46.05 |
| 4.613 | 21.96 | 63.61 | 1.41 | 7.1 | 248.5 | 1.01 | 46.05 |
| 4.623 | 21.96 | 63.61 | 1.49 | 7.1 | 258.49 | 0.94 | 46.05 |
| 4.647 | 21.96 | 63.61 | 1.49 | 7.1 | 266.21 | 0.97 | 46.05 |
| 4.671 | 21.96 | 63.61 | 1.45 | 7.1 | 267.69 | 0.92 | 46.05 |
| 4.684 | 21.96 | 63.61 | 1.37 | 7.11 | 261.62 | 0.83 | 46.05 |
| 4.697 | 21.96 | 63.61 | 1.33 | 7.11 | 260.29 | 0.85 | 46.05 |
| 4.725 | 21.96 | 63.61 | 1.56 | 7.11 | 259.51 | 0.98 | 46.05 |
| 4.766 | 21.96 | 63.61 | 1.37 | 7.1 | 253.68 | 1.1 | 46.05 |
| 4.798 | 21.96 | 63.61 | 1.49 | 7.09 | 256.93 | 1.02 | 46.05 |
| 4.812 | 21.96 | 63.61 | 1.41 | 7.09 | 257.77 | 0.95 | 46.05 |
| 4.818 | 21.96 | 63.61 | 1.49 | 7.1 | 250.64 | 0.92 | 46.05 |
| 4.831 | 21.96 | 63.61 | 1.41 | 7.11 | 269.75 | 0.92 | 46.05 |
| 4.851 | 21.96 | 63.61 | 1.45 | 7.12 | 261.8 | 1.17 | 46.05 |
| 4.87 | 21.96 | 63.61 | 1.41 | 7.12 | 253.03 | 1.01 | 46.05 |
| 4.892 | 21.96 | 63.61 | 1.56 | 7.12 | 255.98 | 0.95 | 46.05 |
| 4.924 | 21.96 | 63.61 | 1.33 | 7.12 | 247.12 | 0.92 | 46.05 |
| 4.96 | 21.96 | 63.61 | 1.45 | 7.12 | 258.25 | 0.89 | 46.05 |
| 4.984 | 21.96 | 63.61 | 1.53 | 7.11 | 258.19 | 1.21 | 46.05 |
| 4.989 | 21.96 | 63.61 | 1.45 | 7.11 | 252.68 | 1.15 | 46.05 |
| 4.992 | 21.96 | 63.61 | 1.45 | 7.12 | 249.08 | 0.86 | 46.05 |
| 5.017 | 21.96 | 63.61 | 1.33 | 7.13 | 251.16 | 0.91 | 46.05 |
| 5.047 | 21.96 | 63.61 | 1.3 | 7.14 | 251.8 | 0.95 | 46.05 |
| 5.062 | 21.96 | 63.61 | 1.33 | 7.15 | 243.65 | 0.98 | 46.05 |
| 5.072 | 21.96 | 63.61 | 1.53 | 7.17 | 252.5 | 1.0 | 46.05 |
| 5.099 | 21.96 | 63.61 | 1.45 | 7.17 | 263.75 | 0.98 | 46.05 |
| 5.14 | 21.96 | 63.61 | 1.37 | 7.18 | 235.16 | 1.05 | 46.05 |
| 5.173 | 21.96 | 63.61 | 1.3 | 7.18 | 238.73 | 1.04 | 46.05 |
| 5.185 | 21.96 | 63.61 | 1.33 | 7.19 | 239.95 | 0.9 | 46.05 |
| 5.186 | 21.96 | 63.61 | 1.53 | 7.19 | 244.56 | 0.97 | 46.05 |
| 5.192 | 21.96 | 63.61 | 1.53 | 7.2 | 276.78 | 0.95 | 46.05 |
| 5.208 | 21.96 | 63.61 | 1.56 | 7.19 | 240.62 | 0.92 | 46.05 |
| 5.238 | 21.96 | 63.61 | 1.37 | 7.18 | 231.81 | 1.09 | 46.05 |
| 5.275 | 21.96 | 63.61 | 1.53 | 7.16 | 238.4 | 0.92 | 46.05 |
| 5.308 | 21.96 | 63.61 | 1.6 | 7.14 | 242.24 | 0.92 | 46.05 |
| 5.329 | 21.96 | 63.61 | 1.49 | 7.13 | 243.09 | 1.08 | 46.05 |
| 5.34 | 21.96 | 63.61 | 1.53 | 7.12 | 226.55 | 1.17 | 46.05 |
| 5.352 | 21.96 | 63.61 | 1.6 | 7.12 | 231.16 | 0.99 | 46.05 |
| 5.368 | 21.96 | 63.61 | 1.37 | 7.13 | 246.09 | 1.0 | 46.05 |
| 5.386 | 21.96 | 63.61 | 1.53 | 7.15 | 228.34 | 1.1 | 46.05 |
| 5.405 | 21.96 | 63.61 | 1.33 | 7.16 | 232.72 | 1.03 | 46.05 |
| 5.425 | 21.96 | 63.61 | 1.64 | 7.16 | 244.84 | 0.91 | 46.05 |
| 5.449 | 21.96 | 63.61 | 1.75 | 7.17 | 225.4 | 0.95 | 46.05 |

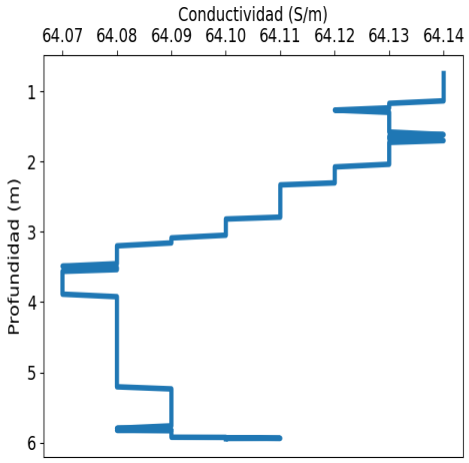
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5.476 | 21.96 | 63.61 | 1.33 | 7.18 | 215.59 | 1.24 | 46.05 |
| 5.5 | 21.96 | 63.61 | 1.41 | 7.19 | 240.79 | 1.02 | 46.05 |
| 5.516 | 21.96 | 63.61 | 1.41 | 7.19 | 239.4 | 1.08 | 46.05 |
| 5.526 | 21.96 | 63.61 | 1.3 | 7.19 | 229.88 | 1.14 | 46.05 |
| 5.535 | 21.96 | 63.61 | 1.41 | 7.19 | 213.3 | 0.97 | 46.05 |
| 5.546 | 21.96 | 63.61 | 1.49 | 7.18 | 219.77 | 0.95 | 46.05 |
| 5.566 | 21.96 | 63.61 | 1.41 | 7.18 | 250.46 | 0.86 | 46.05 |
| 5.599 | 21.96 | 63.61 | 1.41 | 7.17 | 218.15 | 0.88 | 46.05 |
| 5.637 | 21.96 | 63.61 | 1.49 | 7.16 | 212.12 | 1.1 | 46.05 |
| 5.657 | 21.96 | 63.61 | 1.37 | 7.16 | 219.32 | 1.18 | 46.05 |
| 5.664 | 21.96 | 63.61 | 1.45 | 7.15 | 226.5 | 1.01 | 46.05 |
| 5.699 | 21.96 | 63.61 | 1.45 | 7.15 | 217.8 | 0.92 | 46.05 |
| 5.736 | 21.96 | 63.61 | 1.37 | 7.14 | 211.67 | 1.0 | 46.05 |
| 5.753 | 21.96 | 63.61 | 1.33 | 7.14 | 210.45 | 0.99 | 46.05 |
| 5.762 | 21.96 | 63.61 | 1.3 | 7.13 | 224.41 | 0.92 | 46.05 |
| 5.785 | 21.96 | 63.61 | 1.41 | 7.13 | 208.7 | 0.94 | 46.05 |
| 5.814 | 21.96 | 63.61 | 1.37 | 7.13 | 205.63 | 1.07 | 46.05 |
| 5.83 | 21.96 | 63.61 | 1.45 | 7.16 | 222.39 | 0.97 | 46.05 |
| 5.831 | 21.96 | 63.61 | 1.3 | 7.17 | 205.34 | 0.87 | 46.05 |
| 5.854 | 21.96 | 63.61 | 1.56 | 7.17 | 200.97 | 0.98 | 46.05 |
| 5.889 | 21.96 | 63.62 | 1.37 | 7.16 | 206.06 | 1.08 | 46.05 |
| 5.919 | 21.96 | 63.62 | 1.6 | 7.16 | 232.99 | 0.98 | 46.05 |
| 5.937 | 21.96 | 63.62 | 1.41 | 7.16 | 195.45 | 0.93 | 46.05 |
| 5.946 | 21.96 | 63.62 | 1.41 | 7.17 | 193.87 | 0.95 | 46.05 |
| 5.959 | 21.96 | 63.62 | 1.56 | 7.18 | 201.2 | 0.91 | 46.05 |
| 5.972 | 21.96 | 63.62 | 1.53 | 7.2 | 207.59 | 1.01 | 46.05 |
| 5.985 | 21.96 | 63.62 | 1.49 | 7.22 | 198.93 | 0.99 | 46.04 |
| 5.999 | 21.96 | 63.62 | 1.45 | 7.24 | 195.5 | 0.92 | 46.04 |
| 6.024 | 21.96 | 63.62 | 1.45 | 7.26 | 193.51 | 0.98 | 46.05 |
| 6.059 | 21.96 | 63.62 | 1.33 | 7.26 | 191.24 | 0.96 | 46.05 |
| 6.088 | 21.96 | 63.62 | 1.37 | 7.25 | 198.6 | 0.98 | 46.05 |
| 6.104 | 21.96 | 63.62 | 1.26 | 7.24 | 202.51 | 0.96 | 46.05 |
| 6.106 | 21.96 | 63.62 | 1.37 | 7.21 | 186.9 | 1.03 | 46.05 |
| 6.121 | 21.96 | 63.62 | 1.3 | 7.21 | 190.31 | 0.95 | 46.05 |
| 6.151 | 21.96 | 63.62 | 1.45 | 7.21 | 209.48 | 0.92 | 46.05 |
| 6.184 | 21.96 | 63.62 | 1.41 | 7.21 | 190.75 | 0.99 | 46.04 |
| 6.212 | 21.96 | 63.62 | 1.26 | 7.21 | 181.48 | 0.89 | 46.05 |
| 6.228 | 21.96 | 63.62 | 1.41 | 7.22 | 182.16 | 0.95 | 46.05 |
| 6.237 | 21.96 | 63.62 | 1.37 | 7.22 | 190.97 | 1.08 | 46.05 |
| 6.247 | 21.96 | 63.62 | 1.45 | 7.21 | 189.34 | 0.92 | 46.05 |
| 6.267 | 21.96 | 63.62 | 1.26 | 7.21 | 186.69 | 0.95 | 46.05 |
| 6.289 | 21.96 | 63.62 | 1.26 | 7.21 | 181.61 | 0.98 | 46.05 |
| 6.306 | 21.96 | 63.62 | 1.33 | 7.22 | 179.76 | 1.0 | 46.05 |
| 6.319 | 21.96 | 63.62 | 1.37 | 7.22 | 185.56 | 0.92 | 46.05 |
| 6.34 | 21.96 | 63.62 | 1.49 | 7.22 | 187.55 | 1.06 | 46.05 |
| 6.368 | 21.96 | 63.62 | 1.37 | 7.23 | 177.32 | 1.17 | 46.05 |
| 6.398 | 21.96 | 63.62 | 1.49 | 7.23 | 175.44 | 1.01 | 46.05 |
| 6.42 | 21.96 | 63.62 | 1.45 | 7.23 | 177.65 | 1.05 | 46.05 |
| 6.426 | 21.96 | 63.62 | 1.53 | 7.23 | 177.32 | 1.01 | 46.05 |
| 6.439 | 21.96 | 63.62 | 1.41 | 7.22 | 178.15 | 0.92 | 46.05 |
| 6.472 | 21.96 | 63.62 | 1.37 | 7.22 | 175.08 | 0.95 | 46.05 |
| 6.506 | 21.96 | 63.62 | 1.41 | 7.22 | 172.3 | 0.87 | 46.04 |
| 6.526 | 21.96 | 63.62 | 1.53 | 7.22 | 171.54 | 1.0 | 46.05 |
| 6.537 | 21.96 | 63.62 | 1.56 | 7.22 | 170.31 | 1.56 | 46.05 |
| 6.553 | 21.96 | 63.62 | 1.45 | 7.21 | 170.2 | 1.17 | 46.05 |
| 6.581 | 21.96 | 63.62 | 1.3 | 7.21 | 175.52 | 1.03 | 46.05 |
| 6.607 | 21.96 | 63.63 | 1.45 | 7.2 | 168.78 | 1.08 | 46.06 |
| 6.617 | 21.97 | 63.64 | 1.56 | 7.19 | 168.86 | 1.24 | 46.06 |

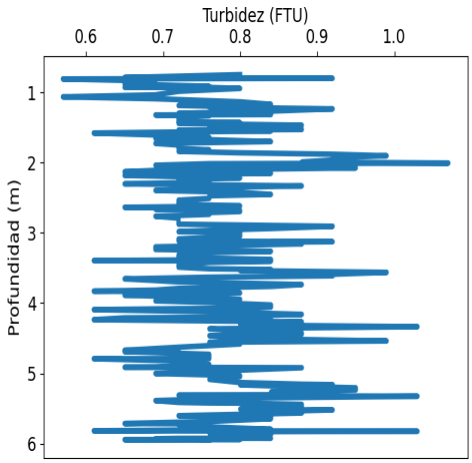
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6.618 | 21.97 | 63.63 | 1.49 | 7.19 | 169.21 | 1.04 | 46.04 |
| 6.628 | 21.97 | 63.63 | 1.33 | 7.2 | 166.53 | 0.84 | 46.04 |
| 6.652 | 21.97 | 63.64 | 1.33 | 7.22 | 166.6 | 0.96 | 46.05 |
| 6.668 | 21.98 | 63.65 | 1.41 | 7.25 | 170.43 | 1.06 | 46.06 |
| 6.673 | 21.98 | 63.65 | 1.33 | 7.28 | 164.08 | 1.05 | 46.05 |
| 6.674 | 21.98 | 63.65 | 1.37 | 7.31 | 162.45 | 1.1 | 46.05 |
| 6.675 | 21.99 | 63.64 | 1.37 | 7.35 | 165.49 | 1.05 | 46.04 |

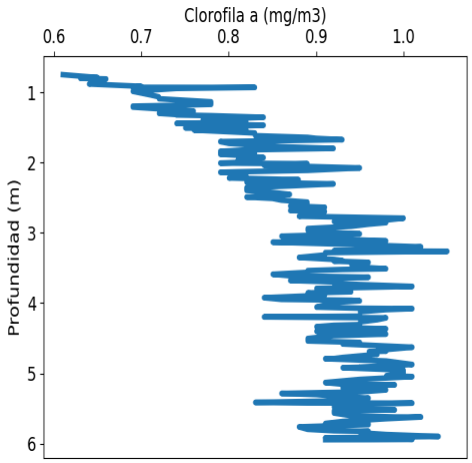
**Nombre: CTD E12 - Punto 013** **Fecha: 22/10/2024** **Hora: 11:10:45**

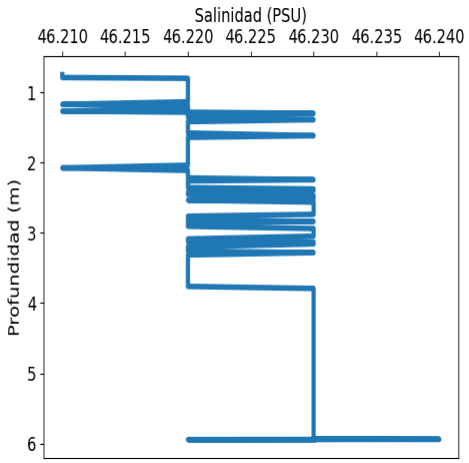


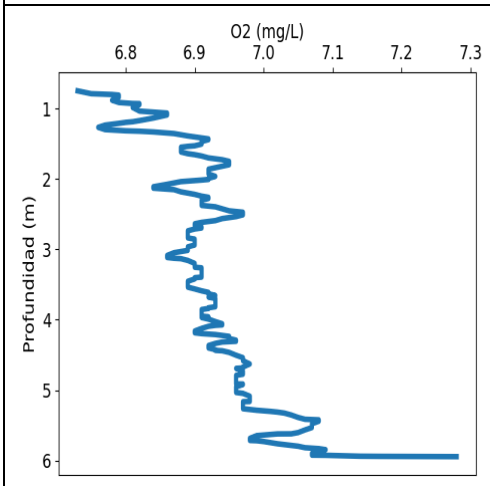



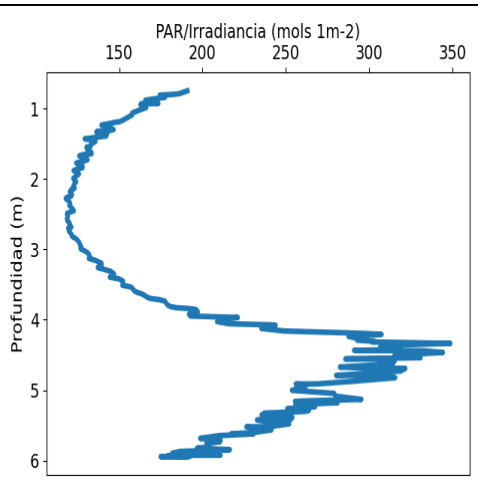



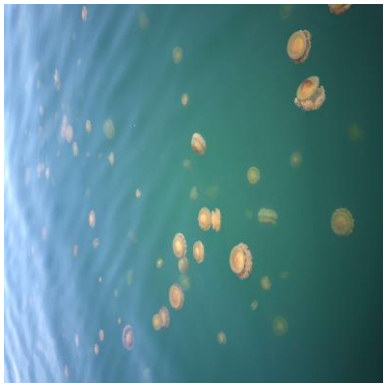



| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 22.15 | 64.07 | 0.57 | 6.73 | 117.92 | 0.61 | 46.21 |
| **PROF (metros)** | 3.281 | 3.488 | 0.808 | 0.747 | 2.277 | 0.747 | 0.747 |
| **MÁXIMO** | 22.21 | 22.21 | 1.07 | 7.28 | 348.81 | 1.05 | 46.24 |
| **PROF (metros)** | 0.747 | 0.747 | 2.006 | 5.945 | 4.336 | 3.262 | 5.939 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E12 - Punto 013 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 22.21 | 64.14 | 0.72 | 6.79 | 173.99 | 0.68 | 46.22 |
| 1 - 2m | 22.2 | 64.13 | 0.77 | 6.88 | 135.96 | 0.79 | 46.22 |
| 2 - 3m | 22.18 | 64.11 | 0.76 | 6.91 | 121.69 | 0.88 | 46.22 |
| 3 - 4m | 22.15 | 64.08 | 0.77 | 6.91 | 161.22 | 0.92 | 46.22 |
| 4 - 5m | 22.15 | 64.08 | 0.78 | 6.95 | 289.34 | 0.95 | 46.23 |
| 5 - 6m | 22.15 | 64.09 | 0.81 | 7.04 | 229.89 | 0.95 | 46.23 |

| 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) |
| 0.747 | 22.21 | 64.14 | 0.8 | 6.73 | 190.97 | 0.61 | 46.21 |
| 0.788 | 22.21 | 64.14 | 0.65 | 6.75 | 186.08 | 0.65 | 46.21 |
| 0.799 | 22.21 | 64.14 | 0.92 | 6.78 | 181.82 | 0.63 | 46.22 |
| 0.808 | 22.21 | 64.14 | 0.57 | 6.79 | 174.35 | 0.66 | 46.22 |
| 0.839 | 22.21 | 64.14 | 0.69 | 6.79 | 177.61 | 0.65 | 46.22 |
| 0.88 | 22.21 | 64.14 | 0.65 | 6.78 | 165.68 | 0.64 | 46.22 |
| 0.913 | 22.2 | 64.14 | 0.76 | 6.79 | 171.42 | 0.7 | 46.22 |
| 0.927 | 22.2 | 64.14 | 0.65 | 6.81 | 173.58 | 0.69 | 46.22 |
| 0.929 | 22.2 | 64.14 | 0.76 | 6.82 | 163.35 | 0.83 | 46.22 |
| 0.943 | 22.2 | 64.14 | 0.8 | 6.82 | 162.71 | 0.74 | 46.22 |
| 0.984 | 22.2 | 64.14 | 0.72 | 6.81 | 166.33 | 0.69 | 46.22 |
| 1.035 | 22.2 | 64.14 | 0.69 | 6.82 | 160.61 | 0.71 | 46.22 |
| 1.063 | 22.2 | 64.14 | 0.57 | 6.86 | 157.81 | 0.72 | 46.22 |
| 1.09 | 22.2 | 64.14 | 0.69 | 6.86 | 157.77 | 0.72 | 46.22 |
| 1.134 | 22.2 | 64.14 | 0.8 | 6.84 | 154.52 | 0.78 | 46.22 |
| 1.17 | 22.2 | 64.13 | 0.84 | 6.82 | 151.82 | 0.78 | 46.21 |
| 1.186 | 22.2 | 64.13 | 0.72 | 6.81 | 150.17 | 0.73 | 46.22 |
| 1.195 | 22.19 | 64.13 | 0.76 | 6.8 | 147.35 | 0.69 | 46.22 |
| 1.209 | 22.19 | 64.13 | 0.76 | 6.79 | 144.87 | 0.69 | 46.22 |
| 1.234 | 22.19 | 64.13 | 0.92 | 6.77 | 139.37 | 0.72 | 46.22 |
| 1.266 | 22.19 | 64.12 | 0.84 | 6.76 | 144.07 | 0.76 | 46.21 |
| 1.298 | 22.19 | 64.13 | 0.72 | 6.77 | 146.77 | 0.72 | 46.23 |
| 1.315 | 22.19 | 64.13 | 0.84 | 6.8 | 143.3 | 0.74 | 46.22 |
| 1.321 | 22.19 | 64.13 | 0.69 | 6.82 | 136.88 | 0.74 | 46.22 |
| 1.331 | 22.19 | 64.13 | 0.76 | 6.84 | 136.28 | 0.78 | 46.22 |
| 1.354 | 22.19 | 64.13 | 0.72 | 6.87 | 142.84 | 0.84 | 46.22 |
| 1.388 | 22.19 | 64.13 | 0.72 | 6.89 | 142.31 | 0.77 | 46.23 |
| 1.416 | 22.19 | 64.13 | 0.72 | 6.91 | 133.52 | 0.82 | 46.22 |
| 1.43 | 22.2 | 64.13 | 0.8 | 6.92 | 129.29 | 0.79 | 46.22 |
| 1.441 | 22.2 | 64.13 | 0.72 | 6.92 | 132.54 | 0.74 | 46.22 |
| 1.467 | 22.2 | 64.13 | 0.88 | 6.91 | 135.8 | 0.84 | 46.22 |
| 1.504 | 22.2 | 64.13 | 0.76 | 6.91 | 133.12 | 0.75 | 46.22 |
| 1.528 | 22.2 | 64.13 | 0.88 | 6.9 | 132.91 | 0.82 | 46.22 |
| 1.536 | 22.2 | 64.13 | 0.72 | 6.89 | 132.81 | 0.76 | 46.22 |
| 1.548 | 22.19 | 64.13 | 0.84 | 6.88 | 130.37 | 0.78 | 46.22 |
| 1.578 | 22.19 | 64.13 | 0.61 | 6.88 | 130.8 | 0.83 | 46.22 |

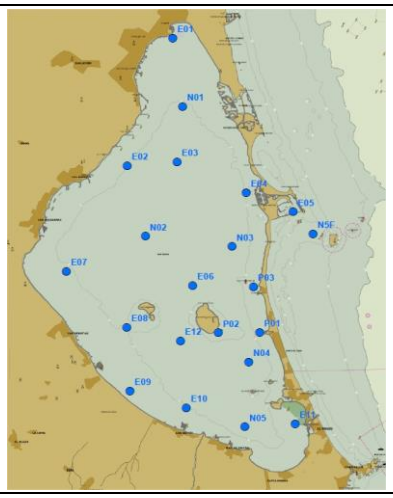
| 1.616 | 22.19 | 64.14 | 0.72 | 6.88 | 133.25 | 0.83 | 46.23 |
|---|---|---|---|---|---|---|---|
| 1.64 | 22.2 | 64.13 | 0.76 | 6.89 | 133.52 | 0.89 | 46.22 |
| 1.654 | 22.2 | 64.13 | 0.69 | 6.9 | 128.25 | 0.9 | 46.22 |
| 1.673 | 22.2 | 64.13 | 0.76 | 6.91 | 125.98 | 0.93 | 46.22 |
| 1.7 | 22.2 | 64.14 | 0.84 | 6.92 | 130.43 | 0.79 | 46.22 |
| 1.726 | 22.2 | 64.13 | 0.69 | 6.94 | 131.13 | 0.8 | 46.22 |
| 1.749 | 22.2 | 64.13 | 0.72 | 6.95 | 128.22 | 0.83 | 46.22 |
| 1.773 | 22.2 | 64.13 | 0.72 | 6.95 | 124.21 | 0.86 | 46.22 |
| 1.797 | 22.2 | 64.13 | 0.72 | 6.95 | 126.77 | 0.92 | 46.22 |
| 1.818 | 22.2 | 64.13 | 0.76 | 6.94 | 128.1 | 0.82 | 46.22 |
| 1.839 | 22.2 | 64.13 | 0.72 | 6.93 | 128.13 | 0.79 | 46.22 |
| 1.86 | 22.2 | 64.13 | 0.8 | 6.92 | 124.73 | 0.83 | 46.22 |
| 1.88 | 22.2 | 64.13 | 0.92 | 6.92 | 122.61 | 0.79 | 46.22 |
| 1.902 | 22.2 | 64.13 | 0.99 | 6.92 | 124.55 | 0.82 | 46.22 |
| 1.928 | 22.2 | 64.13 | 0.92 | 6.92 | 125.95 | 0.84 | 46.22 |
| 1.962 | 22.19 | 64.13 | 0.92 | 6.93 | 124.09 | 0.81 | 46.22 |
| 1.991 | 22.19 | 64.13 | 0.88 | 6.92 | 122.41 | 0.82 | 46.22 |
| 2.006 | 22.19 | 64.13 | 1.07 | 6.92 | 123.01 | 0.79 | 46.22 |
| 2.015 | 22.19 | 64.13 | 0.76 | 6.91 | 123.09 | 0.89 | 46.22 |
| 2.037 | 22.19 | 64.13 | 0.69 | 6.88 | 124.21 | 0.84 | 46.22 |
| 2.075 | 22.19 | 64.12 | 0.95 | 6.86 | 123.01 | 0.95 | 46.21 |
| 2.11 | 22.19 | 64.12 | 0.69 | 6.84 | 122.38 | 0.89 | 46.22 |
| 2.13 | 22.18 | 64.12 | 0.65 | 6.84 | 123.32 | 0.81 | 46.22 |
| 2.137 | 22.18 | 64.12 | 0.76 | 6.85 | 122.86 | 0.79 | 46.22 |
| 2.151 | 22.18 | 64.12 | 0.84 | 6.87 | 121.19 | 0.82 | 46.22 |
| 2.182 | 22.18 | 64.12 | 0.65 | 6.88 | 120.38 | 0.82 | 46.22 |
| 2.218 | 22.18 | 64.12 | 0.8 | 6.9 | 121.79 | 0.8 | 46.22 |
| 2.243 | 22.18 | 64.12 | 0.72 | 6.91 | 121.28 | 0.88 | 46.23 |
| 2.26 | 22.18 | 64.12 | 0.76 | 6.92 | 118.67 | 0.83 | 46.22 |
| 2.277 | 22.18 | 64.12 | 0.76 | 6.92 | 117.92 | 0.82 | 46.22 |
| 2.302 | 22.18 | 64.12 | 0.65 | 6.91 | 119.24 | 0.92 | 46.22 |
| 2.331 | 22.18 | 64.11 | 0.88 | 6.91 | 120.38 | 0.87 | 46.22 |
| 2.356 | 22.18 | 64.11 | 0.76 | 6.91 | 120.69 | 0.82 | 46.22 |
| 2.375 | 22.18 | 64.11 | 0.76 | 6.91 | 120.13 | 0.82 | 46.23 |
| 2.395 | 22.18 | 64.11 | 0.69 | 6.93 | 120.94 | 0.82 | 46.23 |
| 2.424 | 22.18 | 64.11 | 0.8 | 6.94 | 122.07 | 0.85 | 46.22 |
| 2.452 | 22.18 | 64.11 | 0.84 | 6.95 | 122.83 | 0.87 | 46.22 |
| 2.472 | 22.17 | 64.11 | 0.76 | 6.97 | 120.41 | 0.85 | 46.23 |
| 2.49 | 22.17 | 64.11 | 0.76 | 6.97 | 118.69 | 0.82 | 46.23 |
| 2.509 | 22.17 | 64.11 | 0.76 | 6.97 | 118.69 | 0.85 | 46.23 |
| 2.534 | 22.17 | 64.11 | 0.72 | 6.96 | 119.24 | 0.86 | 46.22 |
| 2.562 | 22.17 | 64.11 | 0.72 | 6.94 | 118.64 | 0.89 | 46.23 |
| 2.591 | 22.17 | 64.11 | 0.72 | 6.93 | 118.86 | 0.89 | 46.23 |
| 2.616 | 22.17 | 64.11 | 0.8 | 6.91 | 120.05 | 0.87 | 46.23 |
| 2.636 | 22.17 | 64.11 | 0.65 | 6.9 | 120.41 | 0.91 | 46.23 |
| 2.648 | 22.17 | 64.11 | 0.76 | 6.9 | 120.16 | 0.89 | 46.23 |
| 2.662 | 22.17 | 64.11 | 0.69 | 6.9 | 120.61 | 0.89 | 46.23 |
| 2.682 | 22.17 | 64.11 | 0.8 | 6.91 | 121.42 | 0.87 | 46.23 |
| 2.696 | 22.17 | 64.11 | 0.8 | 6.91 | 119.41 | 0.91 | 46.23 |
| 2.71 | 22.17 | 64.11 | 0.76 | 6.9 | 119.55 | 0.9 | 46.23 |
| 2.736 | 22.17 | 64.11 | 0.76 | 6.89 | 119.83 | 0.89 | 46.23 |
| 2.763 | 22.17 | 64.11 | 0.69 | 6.89 | 120.69 | 0.88 | 46.22 |
| 2.79 | 22.17 | 64.11 | 0.72 | 6.89 | 121.53 | 1.0 | 46.22 |
| 2.817 | 22.17 | 64.1 | 0.72 | 6.89 | 121.81 | 0.98 | 46.22 |
| 2.837 | 22.17 | 64.1 | 0.72 | 6.89 | 123.32 | 0.92 | 46.23 |
| 2.854 | 22.17 | 64.1 | 0.72 | 6.9 | 124.41 | 0.98 | 46.22 |
| 2.876 | 22.17 | 64.1 | 0.72 | 6.9 | 125.25 | 0.96 | 46.22 |
| 2.906 | 22.17 | 64.1 | 0.92 | 6.9 | 126.15 | 0.94 | 46.22 |

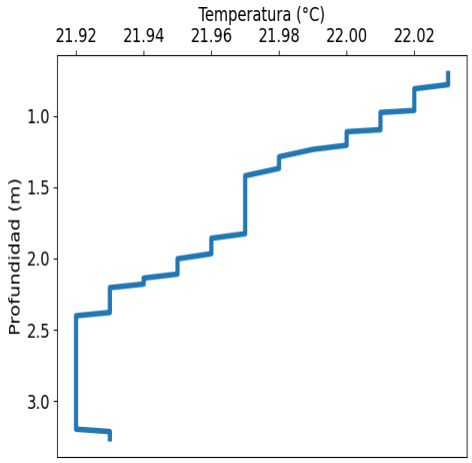
| 2.938 | 22.17 | 64.1 | 0.84 | 6.9 | 126.56 | 0.89 | 46.23 |
|---|---|---|---|---|---|---|---|
| 2.964 | 22.17 | 64.1 | 0.76 | 6.89 | 127.3 | 0.89 | 46.23 |
| 2.983 | 22.17 | 64.1 | 0.72 | 6.89 | 126.77 | 0.91 | 46.23 |
| 2.996 | 22.17 | 64.1 | 0.8 | 6.89 | 127.0 | 0.92 | 46.23 |
| 3.014 | 22.17 | 64.1 | 0.8 | 6.89 | 128.84 | 0.95 | 46.23 |
| 3.047 | 22.17 | 64.1 | 0.8 | 6.87 | 131.04 | 0.86 | 46.23 |
| 3.086 | 22.17 | 64.09 | 0.72 | 6.86 | 132.29 | 0.92 | 46.22 |
| 3.115 | 22.16 | 64.09 | 0.72 | 6.86 | 132.48 | 0.98 | 46.22 |
| 3.126 | 22.16 | 64.09 | 0.92 | 6.87 | 131.74 | 0.89 | 46.22 |
| 3.132 | 22.16 | 64.09 | 0.84 | 6.88 | 132.32 | 0.85 | 46.23 |
| 3.157 | 22.16 | 64.09 | 0.88 | 6.89 | 135.83 | 0.92 | 46.23 |
| 3.199 | 22.16 | 64.08 | 0.69 | 6.9 | 139.47 | 1.02 | 46.22 |
| 3.236 | 22.16 | 64.08 | 0.69 | 6.9 | 139.47 | 0.98 | 46.22 |
| 3.254 | 22.16 | 64.08 | 0.8 | 6.9 | 137.16 | 0.92 | 46.22 |
| 3.262 | 22.16 | 64.08 | 0.84 | 6.91 | 137.35 | 1.05 | 46.22 |
| 3.281 | 22.15 | 64.08 | 0.76 | 6.91 | 140.54 | 0.91 | 46.23 |
| 3.314 | 22.15 | 64.08 | 0.72 | 6.91 | 145.08 | 0.91 | 46.22 |
| 3.35 | 22.15 | 64.08 | 0.72 | 6.91 | 147.04 | 0.88 | 46.22 |
| 3.378 | 22.15 | 64.08 | 0.84 | 6.91 | 145.92 | 0.92 | 46.22 |
| 3.394 | 22.15 | 64.08 | 0.61 | 6.91 | 144.34 | 0.93 | 46.22 |
| 3.402 | 22.15 | 64.08 | 0.84 | 6.9 | 145.88 | 0.92 | 46.22 |
| 3.42 | 22.15 | 64.08 | 0.76 | 6.9 | 150.0 | 0.96 | 46.22 |
| 3.453 | 22.15 | 64.08 | 0.72 | 6.89 | 152.45 | 0.94 | 46.22 |
| 3.488 | 22.15 | 64.07 | 0.72 | 6.89 | 152.21 | 0.95 | 46.22 |
| 3.511 | 22.15 | 64.08 | 0.76 | 6.89 | 151.89 | 0.98 | 46.22 |
| 3.521 | 22.15 | 64.08 | 0.84 | 6.89 | 154.3 | 0.93 | 46.22 |
| 3.537 | 22.15 | 64.08 | 0.8 | 6.89 | 157.26 | 0.89 | 46.22 |
| 3.562 | 22.15 | 64.07 | 0.99 | 6.9 | 158.29 | 0.89 | 46.22 |
| 3.589 | 22.15 | 64.07 | 0.92 | 6.91 | 159.02 | 0.85 | 46.22 |
| 3.611 | 22.15 | 64.07 | 0.92 | 6.92 | 160.8 | 0.87 | 46.22 |
| 3.631 | 22.15 | 64.07 | 0.76 | 6.92 | 163.47 | 0.96 | 46.22 |
| 3.655 | 22.15 | 64.07 | 0.65 | 6.93 | 165.34 | 0.9 | 46.22 |
| 3.678 | 22.15 | 64.07 | 0.69 | 6.92 | 166.64 | 0.87 | 46.22 |
| 3.698 | 22.15 | 64.07 | 0.72 | 6.93 | 168.82 | 0.92 | 46.22 |
| 3.715 | 22.15 | 64.07 | 0.8 | 6.93 | 174.11 | 0.92 | 46.22 |
| 3.736 | 22.15 | 64.07 | 0.88 | 6.93 | 177.49 | 0.95 | 46.22 |
| 3.762 | 22.15 | 64.07 | 0.84 | 6.93 | 178.23 | 1.01 | 46.22 |
| 3.791 | 22.15 | 64.07 | 0.72 | 6.93 | 179.1 | 0.9 | 46.23 |
| 3.815 | 22.15 | 64.07 | 0.69 | 6.93 | 181.06 | 0.91 | 46.23 |
| 3.83 | 22.15 | 64.07 | 0.61 | 6.92 | 184.79 | 0.91 | 46.23 |
| 3.839 | 22.15 | 64.07 | 0.72 | 6.92 | 190.97 | 0.94 | 46.23 |
| 3.855 | 22.15 | 64.07 | 0.8 | 6.91 | 196.13 | 0.89 | 46.23 |
| 3.887 | 22.15 | 64.07 | 0.65 | 6.91 | 197.23 | 0.91 | 46.23 |
| 3.923 | 22.15 | 64.08 | 0.76 | 6.91 | 191.86 | 0.84 | 46.23 |
| 3.947 | 22.15 | 64.08 | 0.8 | 6.91 | 192.84 | 0.86 | 46.23 |
| 3.959 | 22.15 | 64.08 | 0.72 | 6.92 | 208.94 | 0.94 | 46.23 |
| 3.968 | 22.15 | 64.08 | 0.69 | 6.91 | 221.26 | 0.95 | 46.23 |
| 3.991 | 22.15 | 64.08 | 0.76 | 6.92 | 212.26 | 0.92 | 46.23 |
| 4.026 | 22.15 | 64.08 | 0.84 | 6.93 | 208.75 | 0.91 | 46.23 |
| 4.057 | 22.15 | 64.08 | 0.84 | 6.94 | 216.04 | 0.9 | 46.23 |
| 4.073 | 22.15 | 64.08 | 0.8 | 6.94 | 241.63 | 0.95 | 46.23 |
| 4.079 | 22.15 | 64.08 | 0.72 | 6.93 | 243.93 | 1.01 | 46.23 |
| 4.093 | 22.15 | 64.08 | 0.61 | 6.92 | 238.23 | 0.98 | 46.23 |
| 4.123 | 22.15 | 64.08 | 0.76 | 6.91 | 235.27 | 0.95 | 46.23 |
| 4.16 | 22.15 | 64.08 | 0.88 | 6.9 | 248.96 | 0.95 | 46.23 |
| 4.185 | 22.15 | 64.08 | 0.8 | 6.9 | 284.91 | 0.95 | 46.23 |
| 4.197 | 22.15 | 64.08 | 0.84 | 6.91 | 299.26 | 0.84 | 46.23 |
| 4.21 | 22.15 | 64.08 | 0.65 | 6.93 | 307.49 | 0.98 | 46.23 |

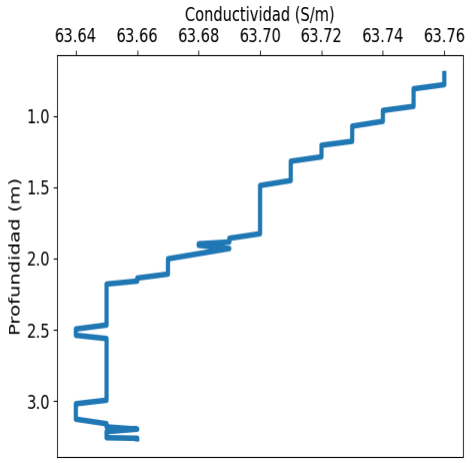
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4.236 | 22.15 | 64.08 | 0.61 | 6.95 | 287.63 | 0.97 | 46.23 |
| 4.267 | 22.15 | 64.08 | 0.88 | 6.95 | 293.7 | 0.95 | 46.23 |
| 4.29 | 22.15 | 64.08 | 0.8 | 6.96 | 292.75 | 0.95 | 46.23 |
| 4.306 | 22.15 | 64.08 | 0.8 | 6.96 | 303.1 | 0.95 | 46.23 |
| 4.316 | 22.15 | 64.08 | 0.84 | 6.94 | 301.84 | 0.92 | 46.23 |
| 4.336 | 22.15 | 64.08 | 1.03 | 6.93 | 348.81 | 0.9 | 46.23 |
| 4.366 | 22.15 | 64.08 | 0.76 | 6.92 | 307.49 | 0.98 | 46.23 |
| 4.401 | 22.15 | 64.08 | 0.8 | 6.92 | 306.35 | 0.9 | 46.23 |
| 4.425 | 22.15 | 64.08 | 0.88 | 6.93 | 318.22 | 0.91 | 46.23 |
| 4.435 | 22.15 | 64.08 | 0.88 | 6.93 | 290.92 | 0.95 | 46.23 |
| 4.441 | 22.15 | 64.08 | 0.88 | 6.94 | 332.16 | 0.98 | 46.23 |
| 4.464 | 22.15 | 64.08 | 0.76 | 6.95 | 344.31 | 0.92 | 46.23 |
| 4.504 | 22.15 | 64.08 | 0.8 | 6.96 | 315.21 | 0.89 | 46.23 |
| 4.539 | 22.15 | 64.08 | 0.99 | 6.97 | 330.93 | 0.89 | 46.23 |
| 4.557 | 22.15 | 64.08 | 0.76 | 6.97 | 285.64 | 0.94 | 46.23 |
| 4.56 | 22.15 | 64.08 | 0.76 | 6.97 | 310.79 | 0.95 | 46.23 |
| 4.582 | 22.15 | 64.08 | 0.8 | 6.97 | 315.43 | 0.93 | 46.23 |
| 4.628 | 22.15 | 64.08 | 0.72 | 6.98 | 313.97 | 1.01 | 46.23 |
| 4.672 | 22.15 | 64.08 | 0.65 | 6.97 | 282.42 | 0.97 | 46.23 |
| 4.684 | 22.15 | 64.08 | 0.72 | 6.97 | 293.42 | 0.98 | 46.23 |
| 4.691 | 22.15 | 64.08 | 0.65 | 6.96 | 321.78 | 0.96 | 46.23 |
| 4.729 | 22.15 | 64.08 | 0.76 | 6.97 | 318.81 | 0.97 | 46.23 |
| 4.774 | 22.15 | 64.08 | 0.76 | 6.97 | 291.19 | 0.93 | 46.23 |
| 4.79 | 22.15 | 64.08 | 0.76 | 6.96 | 280.13 | 0.92 | 46.23 |
| 4.792 | 22.15 | 64.08 | 0.61 | 6.96 | 296.5 | 0.91 | 46.23 |
| 4.824 | 22.15 | 64.08 | 0.72 | 6.96 | 315.72 | 0.98 | 46.23 |
| 4.874 | 22.15 | 64.08 | 0.76 | 6.96 | 290.18 | 1.01 | 46.23 |
| 4.911 | 22.15 | 64.08 | 0.69 | 6.96 | 269.06 | 0.95 | 46.23 |
| 4.913 | 22.15 | 64.08 | 0.65 | 6.97 | 255.92 | 0.95 | 46.23 |
| 4.92 | 22.15 | 64.08 | 0.88 | 6.97 | 262.77 | 0.93 | 46.23 |
| 4.954 | 22.15 | 64.08 | 0.8 | 6.96 | 261.44 | 1.0 | 46.23 |
| 5.002 | 22.15 | 64.08 | 0.69 | 6.96 | 253.62 | 1.0 | 46.23 |
| 5.033 | 22.15 | 64.08 | 0.8 | 6.96 | 270.88 | 0.98 | 46.23 |
| 5.046 | 22.15 | 64.08 | 0.8 | 6.97 | 278.97 | 1.01 | 46.23 |
| 5.086 | 22.15 | 64.08 | 0.76 | 6.98 | 279.87 | 0.95 | 46.23 |
| 5.131 | 22.15 | 64.08 | 0.8 | 6.98 | 295.4 | 0.91 | 46.23 |
| 5.155 | 22.15 | 64.08 | 0.88 | 6.98 | 258.97 | 0.93 | 46.23 |
| 5.161 | 22.15 | 64.08 | 0.92 | 6.98 | 255.45 | 0.95 | 46.23 |
| 5.164 | 22.15 | 64.08 | 0.8 | 6.97 | 278.0 | 0.99 | 46.23 |
| 5.178 | 22.15 | 64.08 | 0.84 | 6.97 | 281.17 | 0.93 | 46.23 |
| 5.206 | 22.15 | 64.08 | 0.95 | 6.97 | 255.8 | 0.93 | 46.23 |
| 5.236 | 22.15 | 64.09 | 0.95 | 6.97 | 267.57 | 0.98 | 46.23 |
| 5.264 | 22.15 | 64.09 | 0.84 | 6.97 | 250.81 | 0.95 | 46.23 |
| 5.286 | 22.15 | 64.09 | 0.92 | 6.99 | 263.93 | 0.86 | 46.23 |
| 5.302 | 22.15 | 64.09 | 0.88 | 7.01 | 261.38 | 0.9 | 46.23 |
| 5.312 | 22.15 | 64.09 | 0.72 | 7.02 | 252.1 | 0.91 | 46.23 |
| 5.326 | 22.15 | 64.09 | 1.03 | 7.03 | 237.3 | 0.92 | 46.23 |
| 5.353 | 22.15 | 64.09 | 0.8 | 7.04 | 235.43 | 0.96 | 46.23 |
| 5.388 | 22.15 | 64.09 | 0.69 | 7.05 | 254.03 | 0.94 | 46.23 |
| 5.414 | 22.15 | 64.09 | 0.72 | 7.06 | 252.97 | 0.83 | 46.23 |
| 5.422 | 22.15 | 64.09 | 0.76 | 7.08 | 240.56 | 0.89 | 46.23 |
| 5.424 | 22.15 | 64.09 | 0.8 | 7.08 | 232.67 | 1.01 | 46.23 |
| 5.442 | 22.15 | 64.09 | 0.88 | 7.08 | 237.24 | 0.95 | 46.23 |
| 5.478 | 22.15 | 64.09 | 0.88 | 7.07 | 252.1 | 0.92 | 46.23 |
| 5.509 | 22.15 | 64.09 | 0.8 | 7.07 | 243.09 | 0.94 | 46.23 |
| 5.52 | 22.15 | 64.09 | 0.88 | 7.07 | 241.91 | 0.96 | 46.23 |
| 5.521 | 22.15 | 64.09 | 0.92 | 7.07 | 226.29 | 0.99 | 46.23 |
| 5.532 | 22.15 | 64.09 | 0.88 | 7.07 | 229.51 | 0.92 | 46.23 |

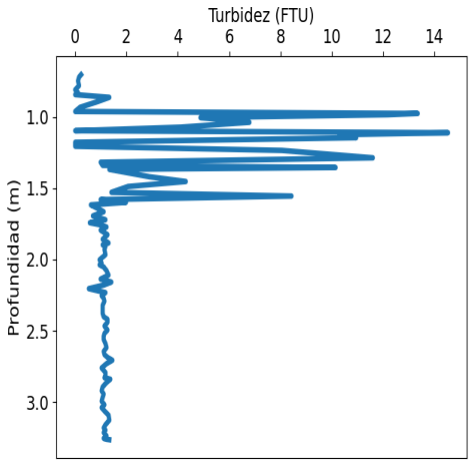
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5.565 | 22.15 | 64.09 | 0.88 | 7.06 | 241.4 | 0.92 | 46.23 |
| 5.603 | 22.15 | 64.09 | 0.72 | 7.05 | 230.36 | 0.94 | 46.23 |
| 5.621 | 22.15 | 64.09 | 0.84 | 7.04 | 217.29 | 0.99 | 46.23 |
| 5.622 | 22.15 | 64.09 | 0.76 | 7.02 | 230.68 | 1.02 | 46.23 |
| 5.646 | 22.15 | 64.09 | 0.84 | 6.99 | 209.92 | 0.98 | 46.23 |
| 5.685 | 22.15 | 64.09 | 0.76 | 6.98 | 198.56 | 0.93 | 46.23 |
| 5.715 | 22.15 | 64.09 | 0.65 | 6.98 | 210.94 | 0.91 | 46.23 |
| 5.719 | 22.15 | 64.09 | 0.76 | 6.99 | 207.69 | 0.96 | 46.23 |
| 5.73 | 22.15 | 64.09 | 0.72 | 7.0 | 210.7 | 0.96 | 46.23 |
| 5.762 | 22.15 | 64.09 | 0.76 | 7.02 | 202.23 | 0.88 | 46.23 |
| 5.797 | 22.15 | 64.08 | 0.84 | 7.05 | 203.64 | 0.89 | 46.23 |
| 5.818 | 22.15 | 64.09 | 0.61 | 7.06 | 202.56 | 0.92 | 46.23 |
| 5.825 | 22.15 | 64.08 | 1.03 | 7.07 | 196.68 | 0.96 | 46.23 |
| 5.831 | 22.15 | 64.09 | 0.76 | 7.08 | 202.93 | 0.95 | 46.23 |
| 5.846 | 22.15 | 64.09 | 0.76 | 7.09 | 216.49 | 0.95 | 46.23 |
| 5.871 | 22.15 | 64.09 | 0.84 | 7.08 | 186.43 | 0.98 | 46.23 |
| 5.899 | 22.16 | 64.09 | 0.8 | 7.07 | 181.69 | 1.04 | 46.23 |
| 5.918 | 22.16 | 64.09 | 0.76 | 7.07 | 194.59 | 0.91 | 46.23 |
| 5.924 | 22.16 | 64.09 | 0.84 | 7.07 | 210.89 | 0.92 | 46.23 |
| 5.926 | 22.16 | 64.1 | 0.72 | 7.09 | 191.51 | 0.96 | 46.23 |
| 5.931 | 22.16 | 64.1 | 0.69 | 7.11 | 179.18 | 0.99 | 46.23 |
| 5.939 | 22.16 | 64.11 | 0.76 | 7.14 | 183.98 | 1.01 | 46.24 |
| 5.941 | 22.17 | 64.1 | 0.8 | 7.17 | 192.44 | 1.01 | 46.23 |
| 5.944 | 22.16 | 64.1 | 0.65 | 7.26 | 174.83 | 0.96 | 46.22 |
| 5.945 | 22.16 | 64.1 | 0.76 | 7.28 | 189.83 | 0.91 | 46.23 |

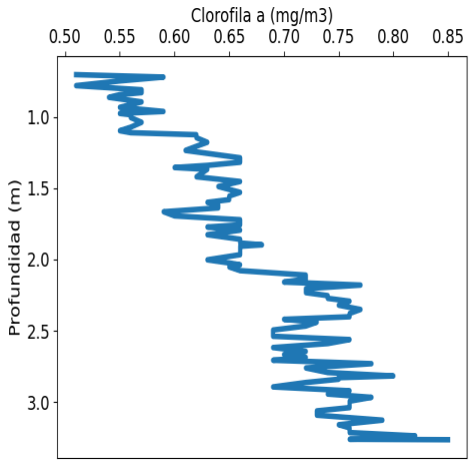
**Nombre: CTD P02 - Punto 014** **Fecha: 22/10/2024** **Hora: 11:10:26**

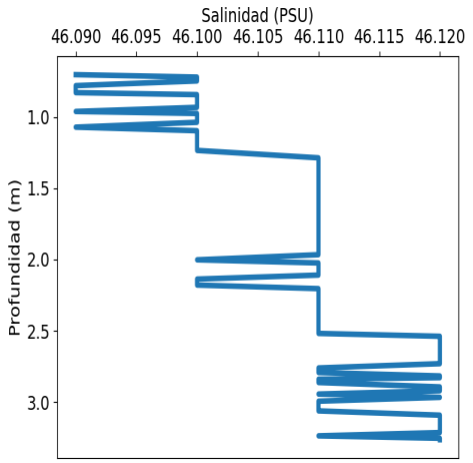


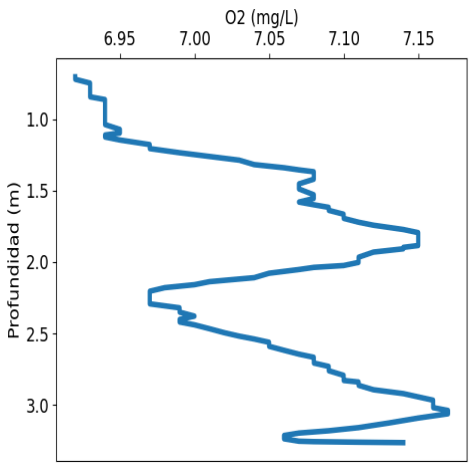



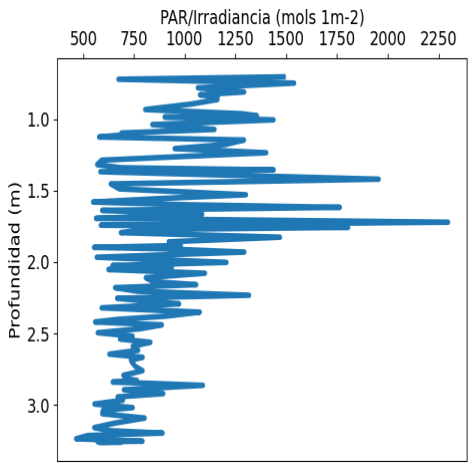




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 21.92 | 63.64 | 0.0 | 6.92 | 464.3 | 0.51 | 46.09 |
| **PROF (metros)** | 2.401 | 2.494 | 0.81 | 0.704 | 3.236 | 0.704 | 0.704 |
| **MÁXIMO** | 22.03 | 22.03 | 14.53 | 7.17 | 2296.9 | 0.85 | 46.12 |
| **PROF (metros)** | 0.704 | 0.704 | 1.111 | 3.038 | 1.721 | 3.263 | 2.538 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD P02 - Punto 014 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 22.02 | 63.75 | 2.86 | 6.93 | 1108.75 | 0.55 | 46.1 |
| 1 - 2m | 21.98 | 63.71 | 3.52 | 7.07 | 1003.27 | 0.63 | 46.11 |
| 2 - 3m | 21.93 | 63.65 | 1.13 | 7.05 | 792.35 | 0.72 | 46.11 |
| 3 - 4m | 21.92 | 63.65 | 1.18 | 7.11 | 650.13 | 0.77 | 46.12 |

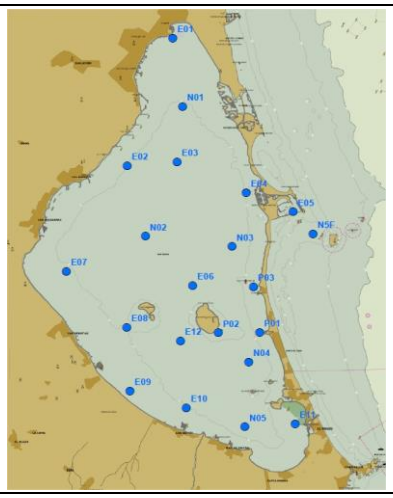
| OBSERVACIONES GENERALES |
|---|
| |

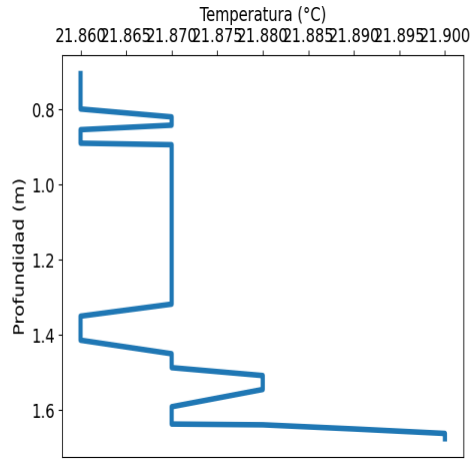
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.704 | 22.03 | 63.76 | 0.23 | 6.92 | 1487.0 | 0.51 | 46.09 |
| 0.721 | 22.03 | 63.76 | 0.15 | 6.92 | 673.06 | 0.59 | 46.1 |
| 0.748 | 22.03 | 63.76 | 0.11 | 6.93 | 1538.9 | 0.55 | 46.1 |
| 0.781 | 22.03 | 63.76 | 0.15 | 6.93 | 1063.8 | 0.51 | 46.09 |
| 0.81 | 22.02 | 63.75 | 0.0 | 6.93 | 1293.0 | 0.57 | 46.09 |
| 0.83 | 22.02 | 63.75 | 0.11 | 6.93 | 1074.2 | 0.57 | 46.09 |
| 0.844 | 22.02 | 63.75 | 0.0 | 6.93 | 1162.0 | 0.55 | 46.1 |
| 0.863 | 22.02 | 63.75 | 1.33 | 6.94 | 1161.2 | 0.54 | 46.1 |
| 0.895 | 22.02 | 63.75 | 0.84 | 6.94 | 1029.1 | 0.57 | 46.1 |
| 0.933 | 22.02 | 63.75 | 0.19 | 6.94 | 804.57 | 0.55 | 46.1 |
| 0.962 | 22.02 | 63.74 | 0.0 | 6.94 | 1279.6 | 0.59 | 46.09 |
| 0.976 | 22.01 | 63.74 | 13.35 | 6.94 | 1355.6 | 0.55 | 46.1 |
| 0.985 | 22.01 | 63.74 | 12.17 | 6.94 | 900.08 | 0.56 | 46.1 |
| 1.005 | 22.01 | 63.74 | 4.88 | 6.94 | 1437.2 | 0.56 | 46.1 |
| 1.038 | 22.01 | 63.74 | 6.79 | 6.94 | 839.43 | 0.57 | 46.1 |
| 1.072 | 22.01 | 63.73 | 4.12 | 6.95 | 1146.8 | 0.56 | 46.09 |
| 1.097 | 22.01 | 63.73 | 0.0 | 6.95 | 688.21 | 0.55 | 46.1 |
| 1.111 | 22.0 | 63.73 | 14.53 | 6.94 | 686.46 | 0.56 | 46.1 |
| 1.125 | 22.0 | 63.73 | 10.3 | 6.94 | 577.46 | 0.62 | 46.1 |
| 1.146 | 22.0 | 63.73 | 10.95 | 6.95 | 1292.1 | 0.62 | 46.1 |
| 1.178 | 22.0 | 63.73 | 0.0 | 6.97 | 1198.1 | 0.63 | 46.1 |
| 1.206 | 22.0 | 63.72 | 0.0 | 6.97 | 949.59 | 0.62 | 46.1 |
| 1.235 | 21.99 | 63.72 | 8.05 | 6.99 | 1401.7 | 0.61 | 46.1 |
| 1.287 | 21.98 | 63.72 | 11.6 | 7.03 | 590.45 | 0.66 | 46.11 |
| 1.318 | 21.98 | 63.71 | 0.99 | 7.04 | 568.03 | 0.66 | 46.11 |
| 1.34 | 21.98 | 63.71 | 1.07 | 7.06 | 686.62 | 0.63 | 46.11 |
| 1.355 | 21.98 | 63.71 | 10.15 | 7.07 | 1438.2 | 0.6 | 46.11 |
| 1.368 | 21.98 | 63.71 | 1.33 | 7.08 | 583.51 | 0.63 | 46.11 |
| 1.42 | 21.97 | 63.71 | 2.9 | 7.08 | 1955.2 | 0.62 | 46.11 |
| 1.453 | 21.97 | 63.71 | 4.31 | 7.07 | 634.88 | 0.66 | 46.11 |
| 1.488 | 21.97 | 63.7 | 2.06 | 7.07 | 677.92 | 0.64 | 46.11 |
| 1.529 | 21.97 | 63.7 | 1.41 | 7.08 | 1301.5 | 0.66 | 46.11 |
| 1.555 | 21.97 | 63.7 | 8.43 | 7.08 | 883.96 | 0.65 | 46.11 |
| 1.58 | 21.97 | 63.7 | 0.99 | 7.07 | 547.99 | 0.65 | 46.11 |
| 1.599 | 21.97 | 63.7 | 1.98 | 7.08 | 1010.2 | 0.63 | 46.11 |
| 1.617 | 21.97 | 63.7 | 0.61 | 7.09 | 1764.0 | 0.64 | 46.11 |
| 1.638 | 21.97 | 63.7 | 0.84 | 7.09 | 592.51 | 0.64 | 46.11 |
| 1.665 | 21.97 | 63.7 | 1.11 | 7.1 | 1086.2 | 0.59 | 46.11 |

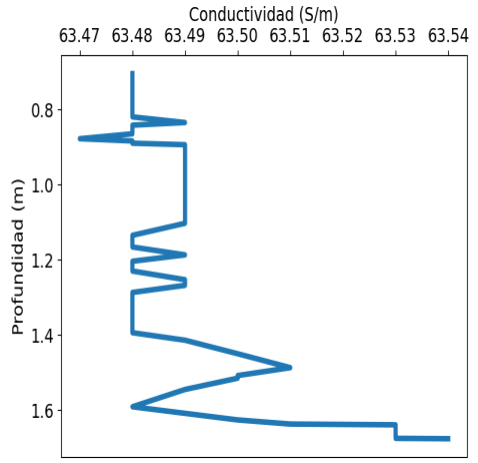
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.694 | 21.97 | 63.7 | 0.69 | 7.1 | 562.01 | 0.6 | 46.11 |
| 1.721 | 21.97 | 63.7 | 1.18 | 7.11 | 2296.9 | 0.66 | 46.11 |
| 1.742 | 21.97 | 63.7 | 0.57 | 7.12 | 585.95 | 0.66 | 46.11 |
| 1.757 | 21.97 | 63.7 | 0.99 | 7.13 | 1804.9 | 0.66 | 46.11 |
| 1.772 | 21.97 | 63.7 | 1.22 | 7.14 | 801.41 | 0.63 | 46.11 |
| 1.794 | 21.97 | 63.7 | 0.99 | 7.15 | 684.71 | 0.66 | 46.11 |
| 1.826 | 21.97 | 63.7 | 1.26 | 7.15 | 1469.2 | 0.63 | 46.11 |
| 1.858 | 21.96 | 63.69 | 1.07 | 7.15 | 920.55 | 0.66 | 46.11 |
| 1.884 | 21.96 | 63.69 | 1.3 | 7.15 | 980.91 | 0.66 | 46.11 |
| 1.897 | 21.96 | 63.68 | 1.07 | 7.14 | 552.32 | 0.68 | 46.11 |
| 1.907 | 21.96 | 63.68 | 1.18 | 7.14 | 893.85 | 0.66 | 46.11 |
| 1.93 | 21.96 | 63.69 | 1.14 | 7.12 | 1293.6 | 0.66 | 46.11 |
| 1.966 | 21.96 | 63.68 | 1.18 | 7.11 | 565.93 | 0.66 | 46.11 |
| 2.002 | 21.95 | 63.67 | 0.95 | 7.11 | 1205.6 | 0.63 | 46.1 |
| 2.024 | 21.95 | 63.67 | 1.03 | 7.1 | 643.47 | 0.65 | 46.11 |
| 2.037 | 21.95 | 63.67 | 0.95 | 7.08 | 936.69 | 0.66 | 46.11 |
| 2.052 | 21.95 | 63.67 | 1.11 | 7.07 | 623.36 | 0.65 | 46.11 |
| 2.078 | 21.95 | 63.67 | 1.22 | 7.05 | 1099.6 | 0.66 | 46.11 |
| 2.109 | 21.95 | 63.67 | 1.3 | 7.04 | 807.56 | 0.72 | 46.11 |
| 2.137 | 21.94 | 63.66 | 0.99 | 7.01 | 844.31 | 0.72 | 46.1 |
| 2.158 | 21.94 | 63.66 | 1.41 | 7.0 | 1056.4 | 0.7 | 46.1 |
| 2.179 | 21.94 | 63.65 | 1.11 | 6.98 | 656.27 | 0.77 | 46.1 |
| 2.204 | 21.93 | 63.65 | 0.53 | 6.97 | 767.59 | 0.72 | 46.11 |
| 2.232 | 21.93 | 63.65 | 1.18 | 6.97 | 1316.9 | 0.72 | 46.11 |
| 2.253 | 21.93 | 63.65 | 1.03 | 6.97 | 665.93 | 0.74 | 46.11 |
| 2.272 | 21.93 | 63.65 | 1.11 | 6.97 | 801.41 | 0.74 | 46.11 |
| 2.292 | 21.93 | 63.65 | 1.14 | 6.97 | 972.3 | 0.76 | 46.11 |
| 2.32 | 21.93 | 63.65 | 1.07 | 6.99 | 589.9 | 0.75 | 46.11 |
| 2.35 | 21.93 | 63.65 | 1.07 | 6.99 | 1074.4 | 0.77 | 46.11 |
| 2.378 | 21.93 | 63.65 | 1.07 | 7.0 | 908.26 | 0.76 | 46.11 |
| 2.401 | 21.92 | 63.65 | 1.11 | 6.99 | 667.94 | 0.76 | 46.11 |
| 2.419 | 21.92 | 63.65 | 1.26 | 6.99 | 557.99 | 0.7 | 46.11 |
| 2.439 | 21.92 | 63.65 | 1.26 | 7.0 | 887.45 | 0.73 | 46.11 |
| 2.466 | 21.92 | 63.65 | 1.14 | 7.01 | 781.41 | 0.72 | 46.11 |
| 2.494 | 21.92 | 63.64 | 1.26 | 7.02 | 570.94 | 0.69 | 46.11 |
| 2.518 | 21.92 | 63.64 | 1.14 | 7.03 | 743.26 | 0.69 | 46.11 |
| 2.538 | 21.92 | 63.64 | 1.11 | 7.04 | 680.44 | 0.69 | 46.12 |
| 2.561 | 21.92 | 63.65 | 1.11 | 7.05 | 831.11 | 0.76 | 46.12 |
| 2.589 | 21.92 | 63.65 | 1.18 | 7.05 | 742.74 | 0.74 | 46.12 |
| 2.617 | 21.92 | 63.65 | 1.22 | 7.06 | 770.98 | 0.69 | 46.12 |
| 2.644 | 21.92 | 63.65 | 1.11 | 7.07 | 628.0 | 0.72 | 46.12 |
| 2.666 | 21.92 | 63.65 | 1.14 | 7.08 | 792.91 | 0.7 | 46.12 |
| 2.686 | 21.92 | 63.65 | 1.26 | 7.08 | 734.18 | 0.72 | 46.12 |
| 2.706 | 21.92 | 63.65 | 1.45 | 7.08 | 742.22 | 0.69 | 46.12 |
| 2.73 | 21.92 | 63.65 | 1.22 | 7.09 | 756.64 | 0.78 | 46.12 |
| 2.76 | 21.92 | 63.65 | 1.03 | 7.09 | 792.36 | 0.72 | 46.11 |
| 2.792 | 21.92 | 63.65 | 1.18 | 7.1 | 697.04 | 0.74 | 46.11 |
| 2.816 | 21.92 | 63.65 | 1.18 | 7.1 | 712.06 | 0.8 | 46.12 |
| 2.828 | 21.92 | 63.65 | 1.14 | 7.1 | 764.57 | 0.75 | 46.12 |
| 2.839 | 21.92 | 63.65 | 1.37 | 7.11 | 644.67 | 0.75 | 46.11 |
| 2.862 | 21.92 | 63.65 | 1.22 | 7.11 | 1089.5 | 0.72 | 46.11 |
| 2.893 | 21.92 | 63.65 | 1.07 | 7.12 | 699.3 | 0.69 | 46.12 |
| 2.92 | 21.92 | 63.65 | 1.03 | 7.14 | 894.26 | 0.76 | 46.12 |
| 2.943 | 21.92 | 63.65 | 1.11 | 7.15 | 668.87 | 0.74 | 46.11 |
| 2.966 | 21.92 | 63.65 | 1.07 | 7.16 | 695.91 | 0.78 | 46.12 |
| 2.993 | 21.92 | 63.65 | 1.03 | 7.16 | 554.51 | 0.76 | 46.11 |
| 3.018 | 21.92 | 63.64 | 1.14 | 7.16 | 743.95 | 0.76 | 46.11 |
| 3.038 | 21.92 | 63.64 | 1.03 | 7.17 | 596.09 | 0.76 | 46.11 |

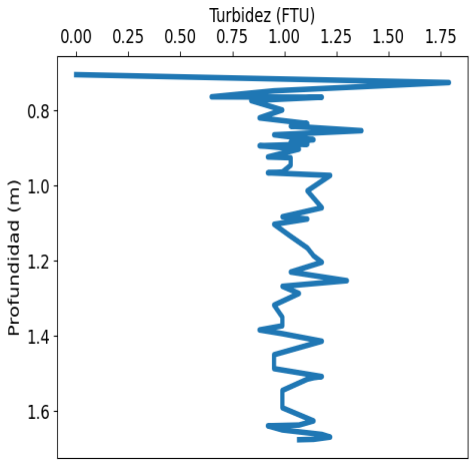
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3.061 | 21.92 | 63.64 | 1.14 | 7.17 | 592.92 | 0.73 | 46.11 |
| 3.091 | 21.92 | 63.64 | 1.3 | 7.15 | 802.89 | 0.73 | 46.12 |
| 3.126 | 21.92 | 63.64 | 1.33 | 7.13 | 656.73 | 0.79 | 46.12 |
| 3.158 | 21.92 | 63.65 | 1.18 | 7.11 | 553.48 | 0.75 | 46.12 |
| 3.18 | 21.92 | 63.65 | 1.11 | 7.09 | 638.27 | 0.76 | 46.12 |
| 3.196 | 21.92 | 63.66 | 1.18 | 7.07 | 891.16 | 0.76 | 46.12 |
| 3.213 | 21.93 | 63.65 | 1.11 | 7.06 | 522.8 | 0.76 | 46.12 |
| 3.236 | 21.93 | 63.65 | 1.22 | 7.06 | 464.3 | 0.82 | 46.11 |
| 3.253 | 21.93 | 63.65 | 1.11 | 7.07 | 792.17 | 0.78 | 46.12 |
| 3.256 | 21.93 | 63.65 | 1.14 | 7.08 | 570.01 | 0.79 | 46.12 |
| 3.26 | 21.93 | 63.66 | 1.22 | 7.11 | 687.57 | 0.76 | 46.12 |
| 3.263 | 21.93 | 63.66 | 1.33 | 7.14 | 589.49 | 0.85 | 46.12 |

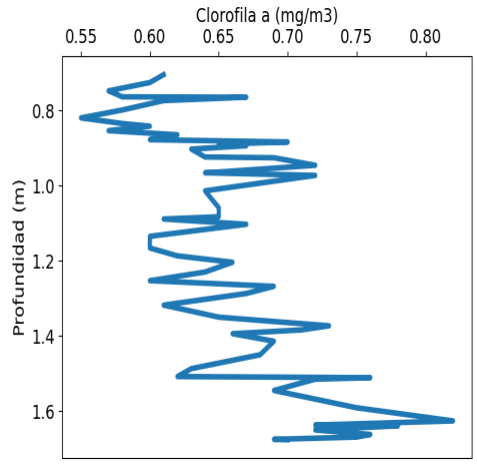
**Nombre: CTD P01 - Punto 015** **Fecha: 22/10/2024** **Hora: 11:10:12**

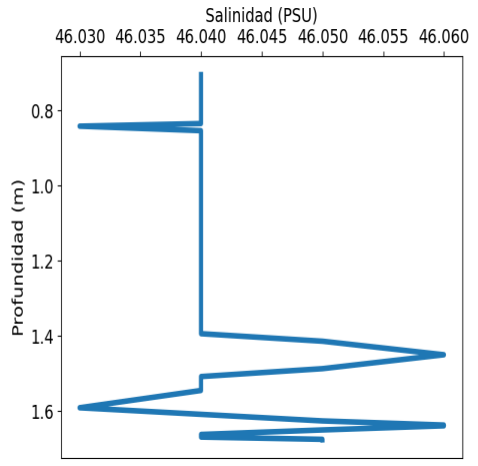


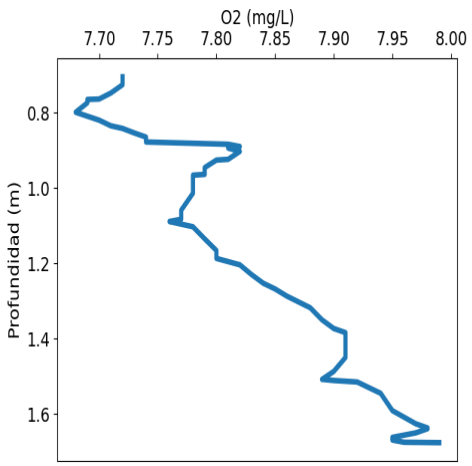



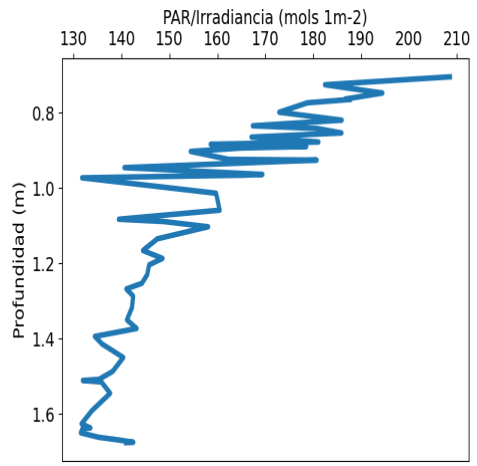



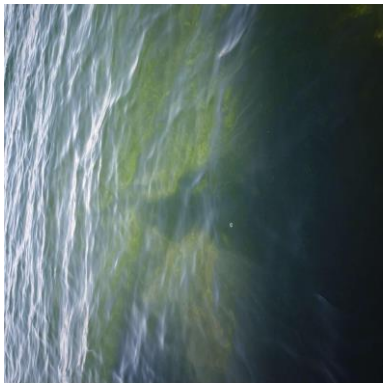



| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 21.86 | 63.47 | 0.0 | 7.68 | 131.47 | 0.55 | 46.03 |
| **PROF (metros)** | 0.705 | 0.878 | 0.705 | 0.799 | 1.65 | 0.82 | 0.842 |
| **MÁXIMO** | 21.9 | 21.9 | 1.79 | 7.99 | 208.56 | 0.82 | 46.06 |
| **PROF (metros)** | 1.662 | 1.676 | 0.726 | 1.676 | 0.705 | 1.626 | 1.45 |

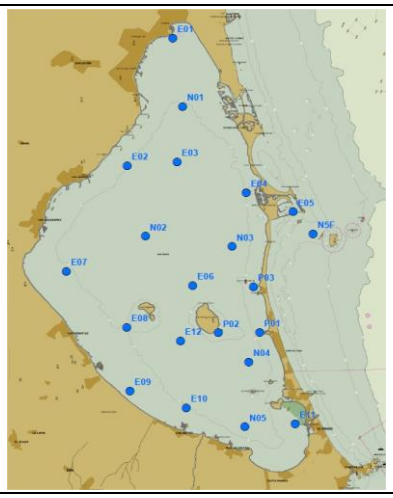
| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD P01 - Punto 015 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 21.87 | 63.48 | 1.05 | 7.75 | 171.73 | 0.63 | 46.04 |
| 1 - 2m | 21.87 | 63.5 | 1.06 | 7.88 | 141.18 | 0.68 | 46.04 |

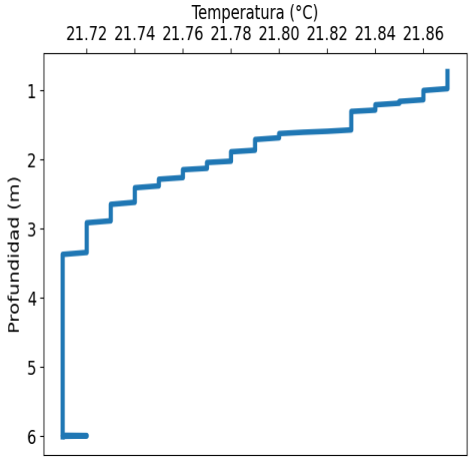
| OBSERVACIONES GENERALES |
|---|
| |

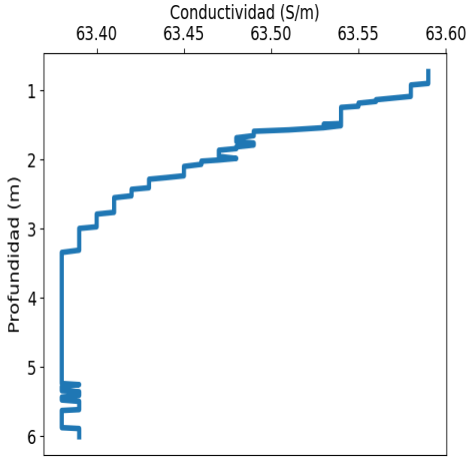
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.705 | 21.86 | 63.48 | 0.0 | 7.72 | 208.56 | 0.61 | 46.04 |
| 0.726 | 21.86 | 63.48 | 1.79 | 7.72 | 182.45 | 0.6 | 46.04 |
| 0.748 | 21.86 | 63.48 | 0.95 | 7.71 | 194.46 | 0.57 | 46.04 |
| 0.764 | 21.86 | 63.48 | 0.65 | 7.7 | 186.69 | 0.58 | 46.04 |
| 0.765 | 21.86 | 63.48 | 1.18 | 7.69 | 187.77 | 0.67 | 46.04 |
| 0.774 | 21.86 | 63.48 | 0.84 | 7.69 | 178.77 | 0.61 | 46.04 |
| 0.799 | 21.86 | 63.48 | 0.99 | 7.68 | 172.9 | 0.58 | 46.04 |
| 0.82 | 21.87 | 63.48 | 0.88 | 7.7 | 185.95 | 0.55 | 46.04 |
| 0.835 | 21.87 | 63.49 | 1.11 | 7.71 | 167.38 | 0.58 | 46.04 |
| 0.842 | 21.87 | 63.48 | 1.03 | 7.72 | 180.81 | 0.6 | 46.03 |
| 0.854 | 21.86 | 63.48 | 1.37 | 7.73 | 185.91 | 0.57 | 46.04 |
| 0.865 | 21.86 | 63.48 | 0.95 | 7.74 | 167.11 | 0.62 | 46.04 |
| 0.878 | 21.86 | 63.47 | 1.14 | 7.74 | 181.1 | 0.6 | 46.04 |
| 0.884 | 21.86 | 63.48 | 1.03 | 7.81 | 158.58 | 0.7 | 46.04 |
| 0.89 | 21.86 | 63.48 | 1.11 | 7.82 | 178.56 | 0.65 | 46.04 |
| 0.894 | 21.87 | 63.49 | 0.88 | 7.81 | 164.84 | 0.67 | 46.04 |
| 0.903 | 21.87 | 63.49 | 1.07 | 7.82 | 154.41 | 0.63 | 46.04 |
| 0.924 | 21.87 | 63.49 | 0.92 | 7.81 | 162.34 | 0.64 | 46.04 |
| 0.926 | 21.87 | 63.49 | 1.03 | 7.8 | 180.73 | 0.69 | 46.04 |
| 0.946 | 21.87 | 63.49 | 1.03 | 7.79 | 140.57 | 0.72 | 46.04 |
| 0.964 | 21.87 | 63.49 | 0.99 | 7.79 | 169.41 | 0.65 | 46.04 |
| 0.966 | 21.87 | 63.49 | 0.92 | 7.78 | 165.57 | 0.64 | 46.04 |
| 0.973 | 21.87 | 63.49 | 1.22 | 7.78 | 131.74 | 0.72 | 46.04 |
| 1.014 | 21.87 | 63.49 | 1.11 | 7.78 | 159.72 | 0.64 | 46.04 |
| 1.059 | 21.87 | 63.49 | 1.18 | 7.77 | 160.47 | 0.65 | 46.04 |
| 1.083 | 21.87 | 63.49 | 0.99 | 7.77 | 139.41 | 0.65 | 46.04 |
| 1.089 | 21.87 | 63.49 | 1.11 | 7.76 | 148.75 | 0.61 | 46.04 |
| 1.103 | 21.87 | 63.49 | 0.95 | 7.78 | 158.07 | 0.67 | 46.04 |
| 1.135 | 21.87 | 63.48 | 1.03 | 7.79 | 147.45 | 0.6 | 46.04 |
| 1.166 | 21.87 | 63.48 | 1.11 | 7.8 | 144.44 | 0.6 | 46.04 |
| 1.187 | 21.87 | 63.49 | 1.14 | 7.8 | 148.55 | 0.62 | 46.04 |
| 1.204 | 21.87 | 63.48 | 1.18 | 7.82 | 145.75 | 0.66 | 46.04 |
| 1.23 | 21.87 | 63.48 | 1.03 | 7.83 | 145.34 | 0.64 | 46.04 |
| 1.253 | 21.87 | 63.49 | 1.3 | 7.84 | 144.24 | 0.6 | 46.04 |
| 1.268 | 21.87 | 63.49 | 0.99 | 7.85 | 140.97 | 0.69 | 46.04 |
| 1.287 | 21.87 | 63.48 | 1.07 | 7.86 | 142.41 | 0.67 | 46.04 |
| 1.318 | 21.87 | 63.48 | 0.95 | 7.88 | 142.15 | 0.61 | 46.04 |
| 1.35 | 21.86 | 63.48 | 0.99 | 7.89 | 141.1 | 0.65 | 46.04 |
| 1.373 | 21.86 | 63.48 | 0.99 | 7.9 | 143.14 | 0.73 | 46.04 |
| 1.384 | 21.86 | 63.48 | 0.88 | 7.91 | 138.57 | 0.71 | 46.04 |

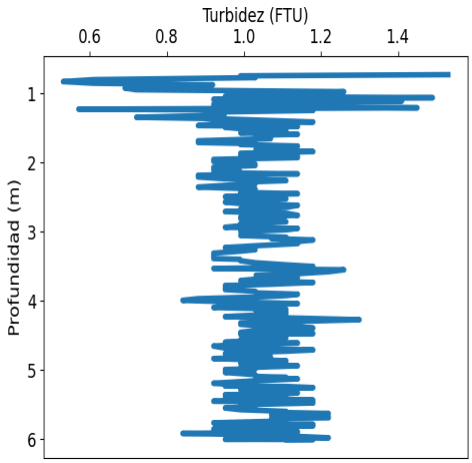
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.394 | 21.86 | 63.48 | 0.99 | 7.91 | 134.39 | 0.66 | 46.04 |
| 1.414 | 21.86 | 63.49 | 1.18 | 7.91 | 135.9 | 0.69 | 46.05 |
| 1.45 | 21.87 | 63.5 | 0.95 | 7.91 | 140.35 | 0.68 | 46.06 |
| 1.487 | 21.87 | 63.51 | 0.95 | 7.9 | 138.12 | 0.63 | 46.05 |
| 1.508 | 21.88 | 63.5 | 1.18 | 7.89 | 135.27 | 0.62 | 46.04 |
| 1.511 | 21.88 | 63.5 | 1.14 | 7.9 | 131.89 | 0.76 | 46.04 |
| 1.515 | 21.88 | 63.5 | 1.11 | 7.92 | 135.77 | 0.72 | 46.04 |
| 1.545 | 21.88 | 63.49 | 0.99 | 7.94 | 137.61 | 0.69 | 46.04 |
| 1.591 | 21.87 | 63.48 | 0.99 | 7.95 | 133.8 | 0.75 | 46.03 |
| 1.626 | 21.87 | 63.5 | 1.14 | 7.97 | 131.62 | 0.82 | 46.05 |
| 1.637 | 21.87 | 63.51 | 1.07 | 7.98 | 133.49 | 0.72 | 46.06 |
| 1.639 | 21.88 | 63.53 | 0.92 | 7.98 | 131.83 | 0.78 | 46.06 |
| 1.65 | 21.89 | 63.53 | 0.99 | 7.97 | 131.47 | 0.72 | 46.05 |
| 1.662 | 21.9 | 63.53 | 1.18 | 7.95 | 135.3 | 0.76 | 46.04 |
| 1.669 | 21.9 | 63.53 | 1.22 | 7.95 | 139.44 | 0.75 | 46.04 |
| 1.675 | 21.9 | 63.53 | 1.14 | 7.96 | 142.44 | 0.69 | 46.05 |
| 1.676 | 21.9 | 63.54 | 1.07 | 7.99 | 140.93 | 0.7 | 46.05 |

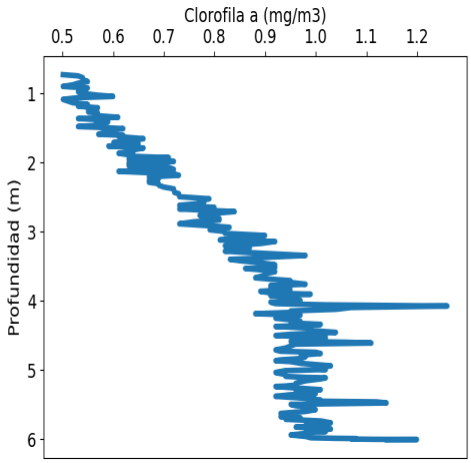
**Nombre: CTD N04 - Punto 016** **Fecha: 22/10/2024** **Hora: 12:10:35**

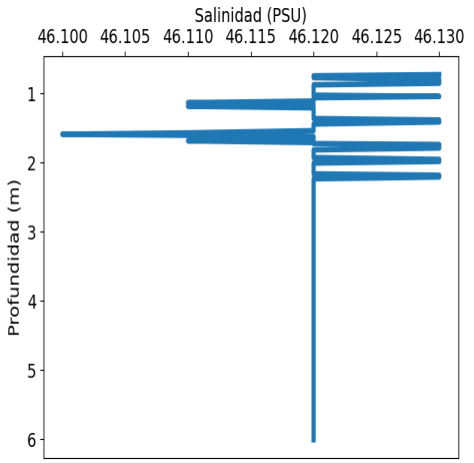


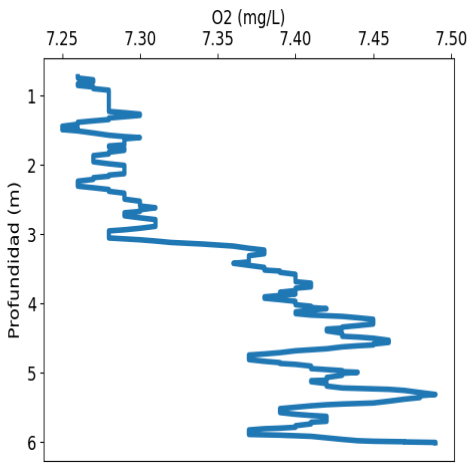



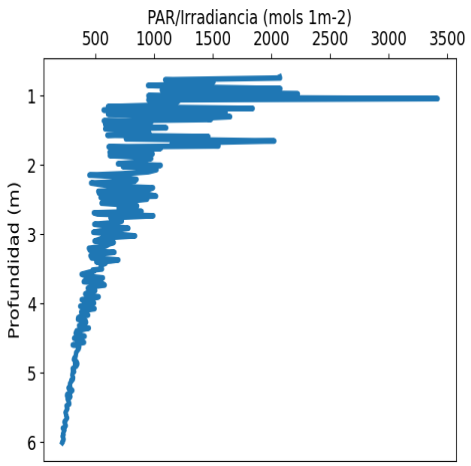




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 21.71 | 63.38 | 0.53 | 7.25 | 214.94 | 0.5 | 46.1 |
| **PROF (metros)** | 3.372 | 3.344 | 0.831 | 1.444 | 6.007 | 0.731 | 1.593 |
| **MÁXIMO** | 21.87 | 21.87 | 1.53 | 7.49 | 3418.8 | 1.26 | 46.13 |
| **PROF (metros)** | 0.731 | 0.731 | 0.731 | 5.312 | 1.046 | 4.075 | 0.731 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD N04 - Punto 016 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 21.87 | 63.59 | 0.88 | 7.27 | 1574.39 | 0.53 | 46.12 |
| 1 - 2m | 21.82 | 63.52 | 1.03 | 7.28 | 1060.74 | 0.59 | 46.12 |
| 2 - 3m | 21.74 | 63.42 | 1.01 | 7.29 | 726.81 | 0.74 | 46.12 |
| 3 - 4m | 21.71 | 63.38 | 1.04 | 7.38 | 512.13 | 0.9 | 46.12 |
| 4 - 5m | 21.71 | 63.38 | 1.04 | 7.42 | 362.46 | 0.98 | 46.12 |
| 5 - 6m | 21.71 | 63.38 | 1.06 | 7.42 | 255.41 | 0.99 | 46.12 |
| 6 - 7m | 21.71 | 63.39 | 1.08 | 7.49 | 216.7 | 1.15 | 46.12 |

| 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) |
| 0.731 | 21.87 | 63.59 | 1.53 | 7.26 | 2072.3 | 0.5 | 46.13 |
| 0.748 | 21.87 | 63.59 | 0.99 | 7.26 | 2075.2 | 0.53 | 46.12 |
| 0.774 | 21.87 | 63.59 | 1.03 | 7.27 | 1091.8 | 0.54 | 46.12 |
| 0.803 | 21.87 | 63.59 | 0.61 | 7.27 | 1507.5 | 0.54 | 46.13 |
| 0.831 | 21.87 | 63.59 | 0.53 | 7.26 | 1457.0 | 0.55 | 46.13 |
| 0.855 | 21.87 | 63.59 | 0.61 | 7.26 | 945.85 | 0.53 | 46.13 |
| 0.878 | 21.87 | 63.59 | 0.92 | 7.27 | 1320.9 | 0.52 | 46.12 |
| 0.901 | 21.87 | 63.59 | 0.84 | 7.27 | 2077.6 | 0.5 | 46.12 |
| 0.924 | 21.87 | 63.58 | 0.69 | 7.28 | 1063.3 | 0.55 | 46.12 |
| 0.949 | 21.87 | 63.58 | 0.72 | 7.28 | 1480.1 | 0.54 | 46.12 |
| 0.977 | 21.87 | 63.58 | 1.26 | 7.28 | 2226.7 | 0.53 | 46.12 |
| 1.003 | 21.86 | 63.58 | 1.14 | 7.28 | 948.71 | 0.54 | 46.12 |
| 1.028 | 21.86 | 63.58 | 1.03 | 7.28 | 1395.8 | 0.57 | 46.12 |
| 1.046 | 21.86 | 63.58 | 0.95 | 7.28 | 3418.8 | 0.6 | 46.13 |
| 1.064 | 21.86 | 63.58 | 1.49 | 7.28 | 948.71 | 0.53 | 46.12 |
| 1.088 | 21.86 | 63.58 | 0.92 | 7.28 | 1204.8 | 0.5 | 46.12 |
| 1.113 | 21.86 | 63.57 | 1.41 | 7.28 | 1166.6 | 0.51 | 46.12 |
| 1.137 | 21.86 | 63.56 | 0.95 | 7.28 | 1086.0 | 0.52 | 46.11 |
| 1.161 | 21.85 | 63.56 | 0.92 | 7.28 | 603.88 | 0.55 | 46.12 |
| 1.187 | 21.85 | 63.55 | 1.07 | 7.28 | 1841.3 | 0.53 | 46.11 |
| 1.21 | 21.84 | 63.55 | 1.45 | 7.28 | 567.11 | 0.57 | 46.12 |
| 1.23 | 21.84 | 63.55 | 0.57 | 7.28 | 830.72 | 0.55 | 46.12 |
| 1.248 | 21.84 | 63.54 | 1.18 | 7.29 | 1610.8 | 0.56 | 46.12 |
| 1.269 | 21.84 | 63.54 | 0.95 | 7.3 | 604.3 | 0.55 | 46.12 |
| 1.287 | 21.84 | 63.54 | 0.92 | 7.3 | 931.71 | 0.57 | 46.12 |
| 1.306 | 21.83 | 63.54 | 0.95 | 7.29 | 1648.9 | 0.57 | 46.12 |
| 1.325 | 21.83 | 63.54 | 0.88 | 7.28 | 1424.9 | 0.57 | 46.12 |
| 1.347 | 21.83 | 63.54 | 0.72 | 7.28 | 1484.2 | 0.61 | 46.12 |
| 1.366 | 21.83 | 63.54 | 0.92 | 7.27 | 568.3 | 0.53 | 46.12 |
| 1.387 | 21.83 | 63.54 | 1.03 | 7.26 | 975.92 | 0.59 | 46.13 |
| 1.415 | 21.83 | 63.54 | 1.18 | 7.26 | 579.47 | 0.59 | 46.13 |
| 1.444 | 21.83 | 63.54 | 0.92 | 7.25 | 698.98 | 0.57 | 46.12 |
| 1.467 | 21.83 | 63.54 | 0.88 | 7.26 | 1103.7 | 0.56 | 46.12 |
| 1.481 | 21.83 | 63.54 | 1.14 | 7.26 | 580.01 | 0.53 | 46.12 |
| 1.492 | 21.83 | 63.53 | 0.95 | 7.25 | 749.14 | 0.57 | 46.12 |

| 1.511 | 21.83 | 63.54 | 0.99 | 7.26 | 839.43 | 0.62 | 46.12 |
|---|---|---|---|---|---|---|---|
| 1.541 | 21.83 | 63.53 | 1.11 | 7.27 | 958.88 | 0.59 | 46.12 |
| 1.573 | 21.83 | 63.51 | 0.99 | 7.28 | 598.86 | 0.58 | 46.11 |
| 1.593 | 21.82 | 63.49 | 1.14 | 7.29 | 1463.1 | 0.57 | 46.1 |
| 1.607 | 21.81 | 63.49 | 1.03 | 7.3 | 1175.3 | 0.62 | 46.11 |
| 1.626 | 21.8 | 63.49 | 1.07 | 7.29 | 757.34 | 0.61 | 46.12 |
| 1.656 | 21.8 | 63.49 | 1.07 | 7.29 | 2025.8 | 0.66 | 46.12 |
| 1.687 | 21.8 | 63.48 | 0.88 | 7.29 | 1154.2 | 0.63 | 46.11 |
| 1.712 | 21.79 | 63.48 | 0.88 | 7.29 | 1143.8 | 0.6 | 46.12 |
| 1.728 | 21.79 | 63.48 | 1.03 | 7.28 | 1549.6 | 0.65 | 46.12 |
| 1.741 | 21.79 | 63.48 | 0.99 | 7.28 | 609.22 | 0.65 | 46.13 |
| 1.763 | 21.79 | 63.49 | 1.14 | 7.29 | 1056.4 | 0.59 | 46.13 |
| 1.791 | 21.79 | 63.49 | 1.03 | 7.29 | 854.35 | 0.66 | 46.13 |
| 1.818 | 21.79 | 63.48 | 1.03 | 7.28 | 617.75 | 0.64 | 46.12 |
| 1.843 | 21.79 | 63.48 | 1.18 | 7.28 | 987.75 | 0.64 | 46.12 |
| 1.867 | 21.79 | 63.47 | 0.99 | 7.27 | 619.61 | 0.61 | 46.12 |
| 1.889 | 21.78 | 63.47 | 0.99 | 7.27 | 857.92 | 0.63 | 46.12 |
| 1.909 | 21.78 | 63.47 | 1.14 | 7.27 | 975.92 | 0.63 | 46.12 |
| 1.93 | 21.78 | 63.47 | 1.14 | 7.27 | 911.42 | 0.71 | 46.12 |
| 1.956 | 21.78 | 63.47 | 0.92 | 7.27 | 914.81 | 0.63 | 46.13 |
| 1.985 | 21.78 | 63.48 | 0.92 | 7.28 | 689.17 | 0.72 | 46.13 |
| 2.008 | 21.78 | 63.47 | 0.95 | 7.29 | 1056.4 | 0.63 | 46.12 |
| 2.025 | 21.78 | 63.46 | 1.03 | 7.29 | 731.29 | 0.65 | 46.12 |
| 2.044 | 21.77 | 63.46 | 1.03 | 7.29 | 989.35 | 0.63 | 46.12 |
| 2.07 | 21.77 | 63.46 | 0.92 | 7.29 | 1021.3 | 0.71 | 46.12 |
| 2.101 | 21.77 | 63.45 | 0.92 | 7.29 | 950.25 | 0.72 | 46.12 |
| 2.128 | 21.77 | 63.45 | 0.99 | 7.29 | 733.16 | 0.61 | 46.12 |
| 2.148 | 21.76 | 63.45 | 0.92 | 7.28 | 445.64 | 0.67 | 46.12 |
| 2.165 | 21.76 | 63.45 | 1.14 | 7.28 | 621.77 | 0.72 | 46.12 |
| 2.185 | 21.76 | 63.45 | 0.88 | 7.27 | 729.94 | 0.73 | 46.13 |
| 2.21 | 21.76 | 63.45 | 0.88 | 7.27 | 850.4 | 0.67 | 46.13 |
| 2.236 | 21.76 | 63.45 | 0.95 | 7.26 | 834.77 | 0.69 | 46.12 |
| 2.262 | 21.76 | 63.44 | 1.11 | 7.26 | 460.12 | 0.67 | 46.12 |
| 2.286 | 21.75 | 63.43 | 0.99 | 7.26 | 549.52 | 0.67 | 46.12 |
| 2.308 | 21.75 | 63.43 | 1.03 | 7.26 | 646.16 | 0.69 | 46.12 |
| 2.331 | 21.75 | 63.43 | 0.95 | 7.27 | 990.96 | 0.69 | 46.12 |
| 2.356 | 21.75 | 63.43 | 0.88 | 7.28 | 952.23 | 0.7 | 46.12 |
| 2.382 | 21.75 | 63.43 | 1.03 | 7.28 | 521.35 | 0.72 | 46.12 |
| 2.409 | 21.74 | 63.43 | 1.03 | 7.29 | 527.06 | 0.72 | 46.12 |
| 2.432 | 21.74 | 63.42 | 0.99 | 7.29 | 963.33 | 0.72 | 46.12 |
| 2.452 | 21.74 | 63.42 | 1.14 | 7.29 | 1017.0 | 0.73 | 46.12 |
| 2.47 | 21.74 | 63.42 | 1.03 | 7.29 | 541.17 | 0.73 | 46.12 |
| 2.495 | 21.74 | 63.42 | 0.95 | 7.29 | 940.17 | 0.73 | 46.12 |
| 2.525 | 21.74 | 63.42 | 1.11 | 7.3 | 782.32 | 0.79 | 46.12 |
| 2.553 | 21.74 | 63.41 | 0.99 | 7.3 | 549.26 | 0.77 | 46.12 |
| 2.573 | 21.74 | 63.41 | 0.95 | 7.3 | 717.69 | 0.78 | 46.12 |
| 2.593 | 21.74 | 63.41 | 0.99 | 7.3 | 855.14 | 0.77 | 46.12 |
| 2.619 | 21.74 | 63.41 | 1.14 | 7.31 | 695.26 | 0.73 | 46.12 |
| 2.649 | 21.73 | 63.41 | 1.11 | 7.3 | 732.14 | 0.8 | 46.12 |
| 2.672 | 21.73 | 63.41 | 0.99 | 7.3 | 893.43 | 0.73 | 46.12 |
| 2.692 | 21.73 | 63.41 | 1.07 | 7.29 | 483.52 | 0.79 | 46.12 |
| 2.71 | 21.73 | 63.41 | 0.95 | 7.29 | 515.94 | 0.84 | 46.12 |
| 2.735 | 21.73 | 63.41 | 1.11 | 7.29 | 993.49 | 0.8 | 46.12 |
| 2.764 | 21.73 | 63.41 | 1.14 | 7.3 | 624.66 | 0.77 | 46.12 |
| 2.79 | 21.73 | 63.4 | 0.99 | 7.31 | 674.16 | 0.79 | 46.12 |
| 2.811 | 21.73 | 63.4 | 0.99 | 7.31 | 725.39 | 0.81 | 46.12 |
| 2.832 | 21.73 | 63.4 | 1.03 | 7.31 | 672.28 | 0.81 | 46.12 |
| 2.857 | 21.73 | 63.4 | 1.11 | 7.31 | 487.69 | 0.76 | 46.12 |

| 2.887 | 21.73 | 63.4 | 0.99 | 7.31 | 633.56 | 0.73 | 46.12 |
|---|---|---|---|---|---|---|---|
| 2.915 | 21.72 | 63.4 | 0.99 | 7.3 | 780.69 | 0.79 | 46.12 |
| 2.937 | 21.72 | 63.4 | 0.95 | 7.29 | 685.03 | 0.83 | 46.12 |
| 2.953 | 21.72 | 63.4 | 1.14 | 7.28 | 541.55 | 0.81 | 46.12 |
| 2.973 | 21.72 | 63.4 | 1.11 | 7.28 | 478.84 | 0.79 | 46.12 |
| 2.997 | 21.72 | 63.39 | 0.99 | 7.28 | 657.34 | 0.82 | 46.12 |
| 3.025 | 21.72 | 63.39 | 1.03 | 7.28 | 838.07 | 0.82 | 46.12 |
| 3.055 | 21.72 | 63.39 | 0.99 | 7.28 | 560.97 | 0.9 | 46.12 |
| 3.081 | 21.72 | 63.39 | 1.11 | 7.3 | 523.29 | 0.85 | 46.12 |
| 3.099 | 21.72 | 63.39 | 1.07 | 7.31 | 489.5 | 0.84 | 46.12 |
| 3.12 | 21.72 | 63.39 | 1.18 | 7.32 | 656.27 | 0.81 | 46.12 |
| 3.142 | 21.72 | 63.39 | 1.14 | 7.34 | 616.89 | 0.92 | 46.12 |
| 3.172 | 21.72 | 63.39 | 1.14 | 7.36 | 586.22 | 0.89 | 46.12 |
| 3.204 | 21.72 | 63.39 | 1.03 | 7.37 | 441.02 | 0.82 | 46.12 |
| 3.23 | 21.72 | 63.39 | 0.95 | 7.38 | 448.96 | 0.87 | 46.12 |
| 3.247 | 21.72 | 63.39 | 0.99 | 7.38 | 475.85 | 0.86 | 46.12 |
| 3.261 | 21.72 | 63.39 | 1.03 | 7.38 | 661.77 | 0.85 | 46.12 |
| 3.282 | 21.72 | 63.39 | 0.99 | 7.38 | 555.92 | 0.82 | 46.12 |
| 3.311 | 21.72 | 63.39 | 0.92 | 7.37 | 454.82 | 0.89 | 46.12 |
| 3.344 | 21.72 | 63.38 | 0.92 | 7.37 | 465.49 | 0.98 | 46.12 |
| 3.372 | 21.71 | 63.38 | 0.92 | 7.37 | 695.1 | 0.9 | 46.12 |
| 3.389 | 21.71 | 63.38 | 0.92 | 7.37 | 622.35 | 0.87 | 46.12 |
| 3.4 | 21.71 | 63.38 | 0.99 | 7.37 | 504.71 | 0.83 | 46.12 |
| 3.42 | 21.71 | 63.38 | 0.99 | 7.36 | 586.22 | 0.85 | 46.12 |
| 3.45 | 21.71 | 63.38 | 1.03 | 7.37 | 541.8 | 0.89 | 46.12 |
| 3.48 | 21.71 | 63.38 | 1.11 | 7.38 | 545.58 | 0.92 | 46.12 |
| 3.503 | 21.71 | 63.38 | 1.18 | 7.38 | 555.92 | 0.89 | 46.12 |
| 3.518 | 21.71 | 63.38 | 1.11 | 7.38 | 473.43 | 0.92 | 46.12 |
| 3.532 | 21.71 | 63.38 | 0.92 | 7.39 | 488.59 | 0.86 | 46.12 |
| 3.551 | 21.71 | 63.38 | 1.26 | 7.39 | 440.51 | 0.89 | 46.12 |
| 3.579 | 21.71 | 63.38 | 1.22 | 7.4 | 379.25 | 0.92 | 46.12 |
| 3.607 | 21.71 | 63.38 | 1.14 | 7.4 | 429.02 | 0.9 | 46.12 |
| 3.631 | 21.71 | 63.38 | 1.03 | 7.4 | 563.58 | 0.9 | 46.12 |
| 3.648 | 21.71 | 63.38 | 1.07 | 7.4 | 524.87 | 0.89 | 46.12 |
| 3.667 | 21.71 | 63.38 | 1.14 | 7.4 | 409.87 | 0.88 | 46.12 |
| 3.686 | 21.71 | 63.38 | 1.03 | 7.4 | 397.34 | 0.91 | 46.12 |
| 3.707 | 21.71 | 63.38 | 0.99 | 7.41 | 554.12 | 0.95 | 46.12 |
| 3.734 | 21.71 | 63.38 | 1.18 | 7.41 | 578.8 | 0.95 | 46.12 |
| 3.76 | 21.71 | 63.38 | 1.07 | 7.41 | 467.0 | 0.98 | 46.12 |
| 3.78 | 21.71 | 63.38 | 0.95 | 7.4 | 431.71 | 0.91 | 46.12 |
| 3.795 | 21.71 | 63.38 | 0.99 | 7.4 | 487.23 | 0.95 | 46.12 |
| 3.814 | 21.71 | 63.38 | 0.95 | 7.4 | 498.2 | 0.91 | 46.12 |
| 3.837 | 21.71 | 63.38 | 0.95 | 7.39 | 440.0 | 0.95 | 46.12 |
| 3.862 | 21.71 | 63.38 | 1.03 | 7.4 | 409.59 | 0.89 | 46.12 |
| 3.885 | 21.71 | 63.38 | 1.03 | 7.39 | 448.23 | 0.91 | 46.12 |
| 3.904 | 21.71 | 63.38 | 1.14 | 7.38 | 527.67 | 0.99 | 46.12 |
| 3.924 | 21.71 | 63.38 | 1.11 | 7.38 | 478.28 | 0.91 | 46.12 |
| 3.945 | 21.71 | 63.38 | 1.03 | 7.39 | 380.04 | 0.96 | 46.12 |
| 3.969 | 21.71 | 63.38 | 0.88 | 7.4 | 411.39 | 0.93 | 46.12 |
| 3.993 | 21.71 | 63.38 | 0.84 | 7.4 | 488.37 | 0.97 | 46.12 |
| 4.018 | 21.71 | 63.38 | 0.99 | 7.4 | 430.61 | 0.91 | 46.12 |
| 4.04 | 21.71 | 63.38 | 1.14 | 7.41 | 366.97 | 0.92 | 46.12 |
| 4.058 | 21.71 | 63.38 | 0.95 | 7.41 | 419.29 | 1.02 | 46.12 |
| 4.075 | 21.71 | 63.38 | 0.95 | 7.42 | 492.69 | 1.26 | 46.12 |
| 4.096 | 21.71 | 63.38 | 0.92 | 7.41 | 418.51 | 1.07 | 46.12 |
| 4.122 | 21.71 | 63.38 | 1.11 | 7.4 | 375.14 | 1.04 | 46.12 |
| 4.146 | 21.71 | 63.38 | 1.03 | 7.4 | 415.8 | 0.95 | 46.12 |
| 4.167 | 21.71 | 63.38 | 1.11 | 7.41 | 437.66 | 0.95 | 46.12 |

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| 4.186 | 21.71 | 63.38 | 1.11 | 7.43 | 369.45 | 0.88 | 46.12 |
| 4.206 | 21.71 | 63.38 | 1.03 | 7.44 | 350.11 | 0.97 | 46.12 |
| 4.228 | 21.71 | 63.38 | 0.95 | 7.45 | 347.84 | 0.95 | 46.12 |
| 4.25 | 21.71 | 63.38 | 1.14 | 7.45 | 416.48 | 0.92 | 46.12 |
| 4.273 | 21.71 | 63.38 | 1.3 | 7.45 | 420.45 | 0.95 | 46.12 |
| 4.296 | 21.71 | 63.38 | 1.14 | 7.45 | 387.6 | 0.97 | 46.12 |
| 4.319 | 21.71 | 63.38 | 0.99 | 7.44 | 357.24 | 0.95 | 46.12 |
| 4.34 | 21.71 | 63.38 | 0.99 | 7.43 | 374.36 | 1.01 | 46.12 |
| 4.355 | 21.71 | 63.38 | 1.03 | 7.43 | 443.79 | 0.98 | 46.12 |
| 4.37 | 21.71 | 63.38 | 1.14 | 7.42 | 401.97 | 0.92 | 46.12 |
| 4.394 | 21.71 | 63.38 | 1.18 | 7.42 | 337.13 | 0.99 | 46.12 |
| 4.428 | 21.71 | 63.38 | 1.03 | 7.43 | 328.56 | 0.99 | 46.12 |
| 4.456 | 21.71 | 63.38 | 0.99 | 7.43 | 379.34 | 1.04 | 46.12 |
| 4.473 | 21.71 | 63.38 | 1.18 | 7.43 | 407.79 | 0.98 | 46.12 |
| 4.484 | 21.71 | 63.38 | 0.99 | 7.44 | 334.94 | 0.95 | 46.12 |
| 4.501 | 21.71 | 63.38 | 1.03 | 7.45 | 314.92 | 0.92 | 46.12 |
| 4.531 | 21.71 | 63.38 | 1.11 | 7.46 | 371.59 | 1.02 | 46.12 |
| 4.561 | 21.71 | 63.38 | 0.99 | 7.46 | 402.71 | 0.98 | 46.12 |
| 4.585 | 21.71 | 63.38 | 0.99 | 7.45 | 338.77 | 0.95 | 46.12 |
| 4.598 | 21.71 | 63.38 | 0.95 | 7.45 | 302.96 | 1.06 | 46.12 |
| 4.61 | 21.71 | 63.38 | 1.14 | 7.44 | 352.96 | 1.11 | 46.12 |
| 4.626 | 21.71 | 63.38 | 1.03 | 7.43 | 361.23 | 0.96 | 46.12 |
| 4.653 | 21.71 | 63.38 | 0.92 | 7.42 | 356.99 | 0.95 | 46.12 |
| 4.682 | 21.71 | 63.38 | 0.95 | 7.4 | 344.23 | 0.94 | 46.12 |
| 4.709 | 21.71 | 63.38 | 1.18 | 7.39 | 332.01 | 0.92 | 46.12 |
| 4.728 | 21.71 | 63.38 | 1.11 | 7.38 | 333.78 | 0.93 | 46.12 |
| 4.743 | 21.71 | 63.38 | 1.03 | 7.37 | 331.01 | 1.0 | 46.12 |
| 4.761 | 21.71 | 63.38 | 0.95 | 7.37 | 330.93 | 1.01 | 46.12 |
| 4.784 | 21.71 | 63.38 | 1.03 | 7.37 | 317.92 | 0.97 | 46.12 |
| 4.809 | 21.71 | 63.38 | 1.07 | 7.37 | 312.88 | 0.98 | 46.12 |
| 4.834 | 21.71 | 63.38 | 0.92 | 7.38 | 335.1 | 0.97 | 46.12 |
| 4.853 | 21.71 | 63.38 | 1.03 | 7.39 | 343.12 | 0.93 | 46.12 |
| 4.865 | 21.71 | 63.38 | 1.11 | 7.39 | 322.53 | 0.92 | 46.12 |
| 4.878 | 21.71 | 63.38 | 0.99 | 7.4 | 344.71 | 0.95 | 46.12 |
| 4.903 | 21.71 | 63.38 | 0.99 | 7.41 | 335.64 | 0.97 | 46.12 |
| 4.939 | 21.71 | 63.38 | 1.14 | 7.41 | 303.31 | 1.03 | 46.12 |
| 4.968 | 21.71 | 63.38 | 0.99 | 7.43 | 306.14 | 1.0 | 46.12 |
| 4.983 | 21.71 | 63.38 | 1.03 | 7.43 | 318.29 | 1.0 | 46.12 |
| 4.992 | 21.71 | 63.38 | 0.95 | 7.44 | 308.27 | 1.02 | 46.12 |
| 5.008 | 21.71 | 63.38 | 0.99 | 7.43 | 302.4 | 0.94 | 46.12 |
| 5.035 | 21.71 | 63.38 | 0.95 | 7.43 | 299.96 | 0.92 | 46.12 |
| 5.067 | 21.71 | 63.38 | 1.03 | 7.42 | 309.06 | 0.94 | 46.12 |
| 5.092 | 21.71 | 63.38 | 1.03 | 7.42 | 307.49 | 0.94 | 46.12 |
| 5.106 | 21.71 | 63.38 | 1.11 | 7.42 | 291.19 | 0.98 | 46.12 |
| 5.113 | 21.71 | 63.38 | 1.03 | 7.41 | 298.29 | 1.02 | 46.12 |
| 5.128 | 21.71 | 63.38 | 1.14 | 7.41 | 291.32 | 1.01 | 46.12 |
| 5.155 | 21.71 | 63.38 | 1.03 | 7.42 | 280.2 | 0.98 | 46.12 |
| 5.191 | 21.71 | 63.38 | 0.92 | 7.42 | 283.79 | 0.96 | 46.12 |
| 5.218 | 21.71 | 63.38 | 0.99 | 7.43 | 267.26 | 0.96 | 46.12 |
| 5.231 | 21.71 | 63.38 | 0.95 | 7.45 | 271.69 | 0.94 | 46.12 |
| 5.238 | 21.71 | 63.38 | 1.11 | 7.46 | 293.15 | 0.92 | 46.12 |
| 5.254 | 21.71 | 63.39 | 1.18 | 7.47 | 302.68 | 0.95 | 46.12 |
| 5.284 | 21.71 | 63.38 | 0.99 | 7.48 | 282.55 | 1.01 | 46.12 |
| 5.312 | 21.71 | 63.38 | 1.03 | 7.49 | 256.4 | 0.96 | 46.12 |
| 5.33 | 21.71 | 63.38 | 1.14 | 7.48 | 254.44 | 0.96 | 46.12 |
| 5.342 | 21.71 | 63.38 | 1.11 | 7.48 | 286.24 | 1.0 | 46.12 |
| 5.357 | 21.71 | 63.39 | 0.95 | 7.48 | 281.17 | 0.95 | 46.12 |
| 5.38 | 21.71 | 63.39 | 1.11 | 7.47 | 259.75 | 0.92 | 46.12 |

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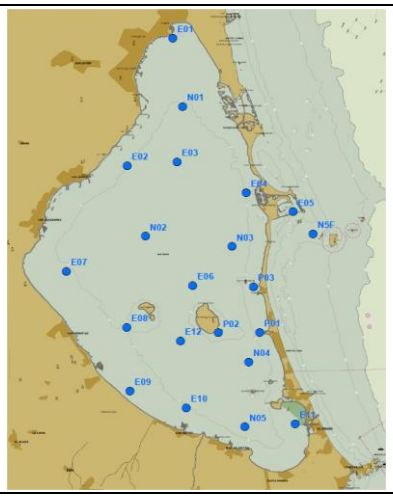
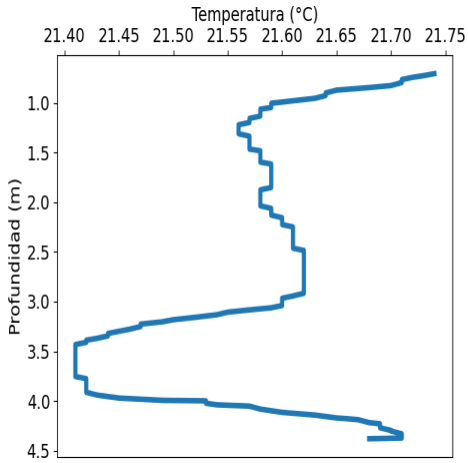
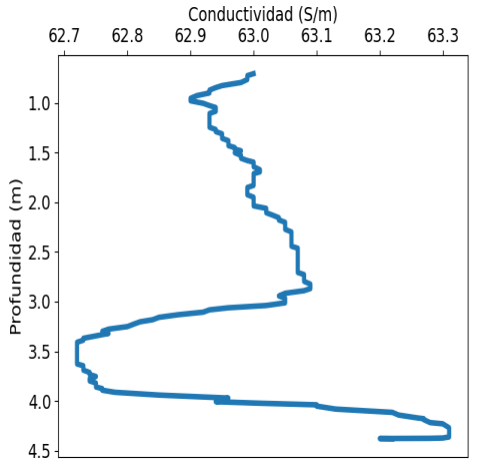
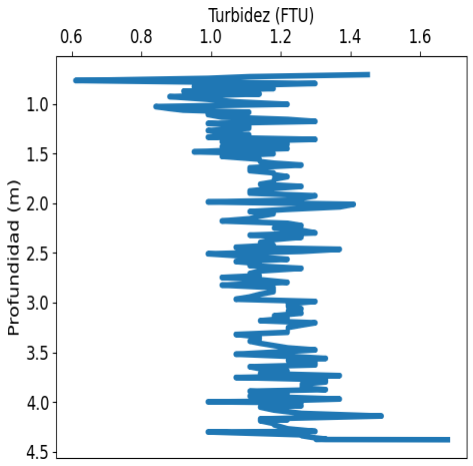
| 5.409 | 21.71 | 63.39 | 0.95 | 7.46 | 268.81 | 0.98 | 46.12 |
| 5.435 | 21.71 | 63.38 | 1.18 | 7.45 | 275.94 | 1.01 | 46.12 |
| 5.45 | 21.71 | 63.38 | 0.92 | 7.43 | 276.59 | 1.0 | 46.12 |
| 5.46 | 21.71 | 63.38 | 1.03 | 7.42 | 266.39 | 1.12 | 46.12 |
| 5.476 | 21.71 | 63.38 | 1.18 | 7.41 | 250.41 | 1.14 | 46.12 |
| 5.496 | 21.71 | 63.39 | 1.03 | 7.4 | 254.92 | 0.95 | 46.12 |
| 5.516 | 21.71 | 63.39 | 0.99 | 7.39 | 260.47 | 0.96 | 46.12 |
| 5.531 | 21.71 | 63.39 | 1.03 | 7.39 | 256.22 | 0.99 | 46.12 |
| 5.548 | 21.71 | 63.39 | 0.95 | 7.39 | 249.42 | 0.99 | 46.12 |
| 5.573 | 21.71 | 63.39 | 0.99 | 7.39 | 241.35 | 1.0 | 46.12 |
| 5.598 | 21.71 | 63.39 | 1.11 | 7.4 | 247.98 | 0.98 | 46.12 |
| 5.615 | 21.71 | 63.39 | 1.11 | 7.41 | 246.66 | 0.95 | 46.12 |
| 5.628 | 21.71 | 63.38 | 1.22 | 7.42 | 252.15 | 0.93 | 46.12 |
| 5.65 | 21.71 | 63.38 | 1.07 | 7.42 | 258.43 | 0.95 | 46.12 |
| 5.674 | 21.71 | 63.38 | 1.22 | 7.42 | 248.27 | 0.93 | 46.12 |
| 5.69 | 21.71 | 63.38 | 1.22 | 7.42 | 244.39 | 0.97 | 46.12 |
| 5.699 | 21.71 | 63.38 | 1.07 | 7.42 | 235.0 | 0.95 | 46.12 |
| 5.712 | 21.71 | 63.38 | 1.11 | 7.41 | 232.99 | 0.94 | 46.12 |
| 5.736 | 21.71 | 63.38 | 1.11 | 7.41 | 240.51 | 1.01 | 46.12 |
| 5.763 | 21.71 | 63.38 | 0.92 | 7.4 | 246.78 | 1.03 | 46.12 |
| 5.785 | 21.71 | 63.38 | 1.18 | 7.4 | 233.42 | 0.98 | 46.12 |
| 5.798 | 21.71 | 63.38 | 1.03 | 7.39 | 219.06 | 1.01 | 46.12 |
| 5.806 | 21.71 | 63.38 | 1.18 | 7.38 | 223.32 | 1.02 | 46.12 |
| 5.824 | 21.71 | 63.38 | 0.99 | 7.37 | 235.87 | 0.96 | 46.12 |
| 5.853 | 21.71 | 63.38 | 0.92 | 7.37 | 226.86 | 1.03 | 46.12 |
| 5.876 | 21.71 | 63.38 | 1.07 | 7.37 | 221.82 | 0.98 | 46.12 |
| 5.889 | 21.71 | 63.39 | 1.14 | 7.37 | 227.97 | 1.02 | 46.12 |
| 5.899 | 21.71 | 63.39 | 1.14 | 7.39 | 222.8 | 0.99 | 46.12 |
| 5.916 | 21.71 | 63.39 | 0.84 | 7.41 | 216.69 | 0.98 | 46.12 |
| 5.938 | 21.71 | 63.39 | 1.07 | 7.42 | 224.77 | 0.95 | 46.12 |
| 5.96 | 21.71 | 63.39 | 1.14 | 7.43 | 228.29 | 0.98 | 46.12 |
| 5.979 | 21.71 | 63.39 | 1.22 | 7.44 | 222.34 | 0.99 | 46.12 |
| 5.987 | 21.71 | 63.39 | 1.03 | 7.45 | 218.66 | 1.04 | 46.12 |
| 5.99 | 21.72 | 63.39 | 1.11 | 7.46 | 217.19 | 1.08 | 46.12 |
| 5.994 | 21.72 | 63.39 | 1.11 | 7.47 | 215.59 | 1.08 | 46.12 |
| 5.997 | 21.72 | 63.39 | 1.11 | 7.47 | 220.18 | 1.07 | 46.12 |
| 6.001 | 21.71 | 63.39 | 0.95 | 7.48 | 219.32 | 1.11 | 46.12 |
| 6.004 | 21.71 | 63.39 | 1.18 | 7.49 | 215.84 | 1.2 | 46.12 |
| 6.007 | 21.71 | 63.39 | 1.11 | 7.49 | 214.94 | 1.14 | 46.12 |

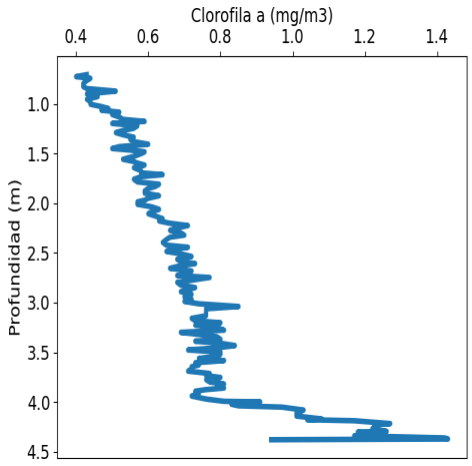
**Nombre: CTD E11 - Punto 017** **Fecha: 22/10/2024** **Hora: 12:10:00**

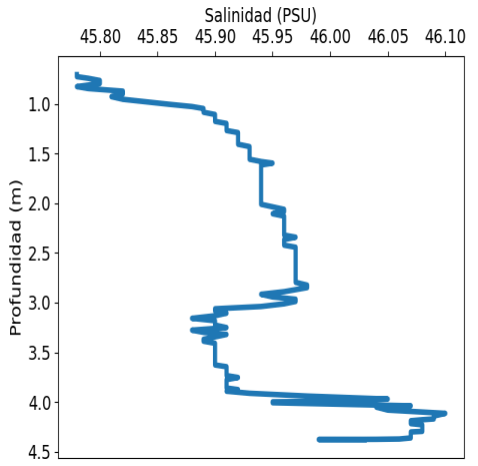


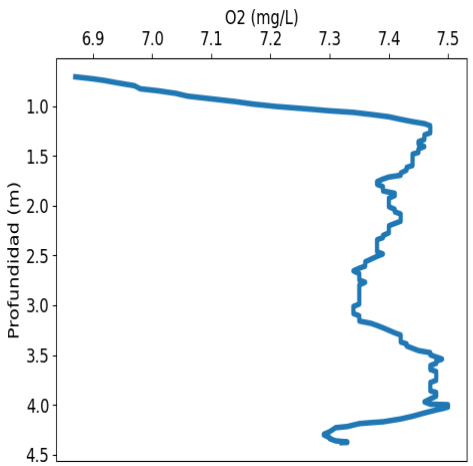



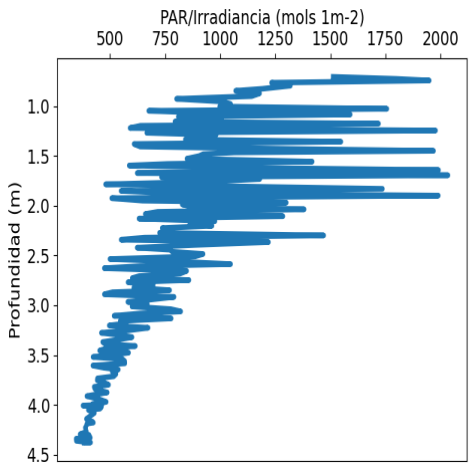




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 21.41 | 62.72 | 0.61 | 6.87 | 345.59 | 0.4 | 45.78 |
| **PROF (metros)** | 3.432 | 3.409 | 0.766 | 0.707 | 4.339 | 0.727 | 0.707 |
| **MÁXIMO** | 21.74 | 21.74 | 1.68 | 7.5 | 2033.8 | 1.43 | 46.1 |
| **PROF (metros)** | 0.707 | 4.269 | 4.379 | 3.998 | 1.695 | 4.372 | 4.114 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E11 - Punto 017 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 21.68 | 62.95 | 1.05 | 7.01 | 1270.76 | 0.44 | 45.8 |
| 1 - 2m | 21.58 | 62.97 | 1.12 | 7.41 | 1063.99 | 0.56 | 45.92 |
| 2 - 3m | 21.61 | 63.06 | 1.17 | 7.38 | 784.62 | 0.68 | 45.96 |
| 3 - 4m | 21.45 | 62.79 | 1.21 | 7.44 | 524.82 | 0.77 | 45.91 |
| 4 - 5m | 21.65 | 63.23 | 1.26 | 7.37 | 398.61 | 1.11 | 46.06 |

| OBSERVACIONES GENERALES |
|---|
| |

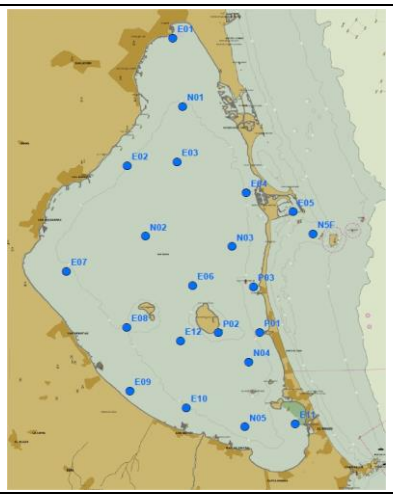
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.707 | 21.74 | 63.0 | 1.45 | 6.87 | 1511.7 | 0.43 | 45.78 |
| 0.727 | 21.73 | 62.99 | 1.11 | 6.9 | 1797.8 | 0.4 | 45.78 |
| 0.744 | 21.72 | 62.99 | 0.99 | 6.92 | 1948.9 | 0.44 | 45.79 |
| 0.766 | 21.71 | 62.99 | 0.61 | 6.94 | 1231.9 | 0.43 | 45.8 |
| 0.796 | 21.71 | 62.98 | 1.3 | 6.97 | 1318.8 | 0.42 | 45.8 |
| 0.827 | 21.7 | 62.95 | 0.95 | 6.98 | 1191.2 | 0.42 | 45.78 |
| 0.847 | 21.68 | 62.94 | 1.18 | 7.01 | 1069.2 | 0.43 | 45.79 |
| 0.873 | 21.65 | 62.93 | 0.92 | 7.04 | 1179.1 | 0.51 | 45.82 |
| 0.901 | 21.64 | 62.93 | 1.14 | 7.06 | 1142.8 | 0.43 | 45.82 |
| 0.928 | 21.64 | 62.91 | 0.88 | 7.1 | 800.85 | 0.46 | 45.81 |
| 0.955 | 21.63 | 62.9 | 0.99 | 7.14 | 1009.3 | 0.43 | 45.82 |
| 0.98 | 21.61 | 62.9 | 1.07 | 7.17 | 1047.6 | 0.44 | 45.84 |
| 1.005 | 21.59 | 62.92 | 1.22 | 7.21 | 996.49 | 0.44 | 45.86 |
| 1.028 | 21.59 | 62.93 | 0.84 | 7.26 | 1756.6 | 0.47 | 45.88 |
| 1.048 | 21.59 | 62.94 | 0.88 | 7.3 | 674.78 | 0.49 | 45.89 |
| 1.064 | 21.58 | 62.94 | 0.92 | 7.34 | 871.35 | 0.47 | 45.89 |
| 1.085 | 21.58 | 62.94 | 1.11 | 7.37 | 1590.4 | 0.52 | 45.89 |
| 1.108 | 21.58 | 62.93 | 0.99 | 7.4 | 808.87 | 0.5 | 45.9 |
| 1.134 | 21.58 | 62.93 | 1.03 | 7.42 | 1006.7 | 0.52 | 45.9 |
| 1.157 | 21.57 | 62.93 | 1.22 | 7.44 | 793.64 | 0.53 | 45.9 |
| 1.177 | 21.57 | 62.93 | 1.3 | 7.46 | 1718.8 | 0.59 | 45.9 |
| 1.198 | 21.57 | 62.93 | 0.99 | 7.47 | 637.83 | 0.5 | 45.91 |
| 1.221 | 21.56 | 62.93 | 1.11 | 7.47 | 590.18 | 0.57 | 45.91 |
| 1.246 | 21.56 | 62.93 | 1.11 | 7.47 | 1977.5 | 0.56 | 45.91 |
| 1.269 | 21.56 | 62.94 | 0.99 | 7.47 | 665.77 | 0.53 | 45.91 |
| 1.29 | 21.56 | 62.94 | 1.03 | 7.46 | 981.59 | 0.51 | 45.92 |
| 1.312 | 21.56 | 62.95 | 1.11 | 7.46 | 966.24 | 0.53 | 45.92 |
| 1.336 | 21.57 | 62.95 | 0.99 | 7.46 | 840.79 | 0.56 | 45.92 |
| 1.358 | 21.57 | 62.95 | 1.3 | 7.45 | 1548.2 | 0.55 | 45.92 |
| 1.381 | 21.57 | 62.96 | 1.03 | 7.45 | 608.23 | 0.56 | 45.92 |
| 1.407 | 21.57 | 62.96 | 1.22 | 7.46 | 636.65 | 0.6 | 45.92 |
| 1.431 | 21.57 | 62.96 | 1.03 | 7.45 | 1329.5 | 0.52 | 45.93 |
| 1.45 | 21.57 | 62.97 | 1.22 | 7.45 | 1968.4 | 0.5 | 45.93 |
| 1.466 | 21.57 | 62.97 | 1.07 | 7.45 | 1064.0 | 0.55 | 45.93 |
| 1.483 | 21.58 | 62.98 | 0.95 | 7.44 | 922.47 | 0.59 | 45.93 |
| 1.502 | 21.58 | 62.97 | 1.18 | 7.44 | 904.06 | 0.58 | 45.93 |
| 1.529 | 21.58 | 62.98 | 1.03 | 7.44 | 848.23 | 0.56 | 45.93 |

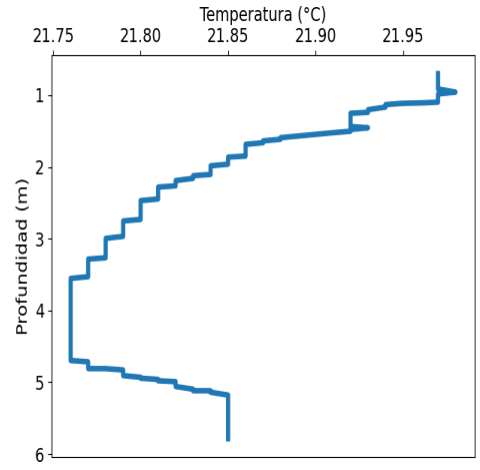
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.558 | 21.58 | 62.98 | 1.14 | 7.44 | 1417.7 | 0.53 | 45.93 |
| 1.581 | 21.58 | 62.99 | 1.14 | 7.44 | 760.86 | 0.56 | 45.94 |
| 1.597 | 21.58 | 63.0 | 1.18 | 7.44 | 586.22 | 0.57 | 45.95 |
| 1.616 | 21.59 | 63.0 | 1.26 | 7.43 | 963.33 | 0.59 | 45.94 |
| 1.643 | 21.59 | 63.0 | 1.11 | 7.43 | 1990.9 | 0.56 | 45.94 |
| 1.673 | 21.59 | 63.01 | 1.11 | 7.42 | 622.35 | 0.58 | 45.94 |
| 1.695 | 21.59 | 63.01 | 1.18 | 7.42 | 2033.8 | 0.58 | 45.94 |
| 1.713 | 21.59 | 63.0 | 1.18 | 7.4 | 732.48 | 0.64 | 45.94 |
| 1.733 | 21.59 | 63.0 | 1.22 | 7.39 | 1179.6 | 0.58 | 45.94 |
| 1.759 | 21.59 | 63.0 | 1.18 | 7.38 | 943.23 | 0.56 | 45.94 |
| 1.786 | 21.59 | 63.0 | 1.18 | 7.38 | 478.95 | 0.57 | 45.94 |
| 1.809 | 21.59 | 63.0 | 1.14 | 7.39 | 1117.4 | 0.63 | 45.94 |
| 1.831 | 21.59 | 63.0 | 1.26 | 7.39 | 1736.4 | 0.62 | 45.94 |
| 1.852 | 21.59 | 62.99 | 1.18 | 7.39 | 549.26 | 0.6 | 45.94 |
| 1.876 | 21.58 | 62.99 | 1.11 | 7.41 | 788.87 | 0.59 | 45.94 |
| 1.899 | 21.58 | 62.99 | 1.11 | 7.41 | 1989.9 | 0.59 | 45.94 |
| 1.925 | 21.58 | 62.99 | 1.3 | 7.4 | 506.93 | 0.63 | 45.94 |
| 1.95 | 21.58 | 63.0 | 1.26 | 7.4 | 647.21 | 0.6 | 45.94 |
| 1.97 | 21.58 | 63.0 | 1.22 | 7.4 | 1300.3 | 0.59 | 45.94 |
| 1.987 | 21.58 | 63.0 | 0.99 | 7.4 | 826.5 | 0.57 | 45.94 |
| 2.011 | 21.58 | 63.0 | 1.41 | 7.4 | 868.52 | 0.57 | 45.94 |
| 2.037 | 21.58 | 63.0 | 1.37 | 7.41 | 1381.3 | 0.61 | 45.95 |
| 2.062 | 21.59 | 63.02 | 1.22 | 7.41 | 716.2 | 0.63 | 45.96 |
| 2.084 | 21.59 | 63.02 | 1.11 | 7.42 | 659.02 | 0.61 | 45.96 |
| 2.106 | 21.59 | 63.02 | 1.18 | 7.42 | 1285.0 | 0.6 | 45.95 |
| 2.13 | 21.59 | 63.03 | 1.14 | 7.42 | 630.63 | 0.62 | 45.96 |
| 2.156 | 21.6 | 63.04 | 1.11 | 7.42 | 976.37 | 0.64 | 45.96 |
| 2.179 | 21.6 | 63.04 | 1.03 | 7.41 | 861.31 | 0.63 | 45.96 |
| 2.202 | 21.6 | 63.05 | 1.22 | 7.4 | 963.11 | 0.66 | 45.96 |
| 2.225 | 21.6 | 63.05 | 1.26 | 7.4 | 735.89 | 0.71 | 45.96 |
| 2.249 | 21.61 | 63.05 | 1.18 | 7.4 | 775.28 | 0.68 | 45.96 |
| 2.273 | 21.61 | 63.05 | 1.26 | 7.4 | 723.87 | 0.66 | 45.96 |
| 2.299 | 21.61 | 63.06 | 1.3 | 7.39 | 1469.9 | 0.69 | 45.96 |
| 2.321 | 21.61 | 63.06 | 1.11 | 7.39 | 656.43 | 0.7 | 45.96 |
| 2.342 | 21.61 | 63.06 | 1.26 | 7.38 | 549.64 | 0.66 | 45.97 |
| 2.366 | 21.61 | 63.06 | 1.18 | 7.38 | 1219.4 | 0.65 | 45.96 |
| 2.395 | 21.61 | 63.06 | 1.14 | 7.38 | 880.89 | 0.64 | 45.96 |
| 2.422 | 21.61 | 63.06 | 1.18 | 7.38 | 622.2 | 0.65 | 45.96 |
| 2.443 | 21.61 | 63.06 | 1.07 | 7.38 | 774.38 | 0.71 | 45.97 |
| 2.463 | 21.61 | 63.07 | 1.37 | 7.38 | 781.78 | 0.67 | 45.97 |
| 2.485 | 21.62 | 63.07 | 1.26 | 7.39 | 922.68 | 0.65 | 45.97 |
| 2.509 | 21.62 | 63.07 | 0.99 | 7.38 | 887.04 | 0.69 | 45.97 |
| 2.536 | 21.62 | 63.07 | 1.11 | 7.37 | 498.66 | 0.72 | 45.97 |
| 2.564 | 21.62 | 63.07 | 1.22 | 7.36 | 835.55 | 0.68 | 45.97 |
| 2.587 | 21.62 | 63.07 | 1.07 | 7.36 | 1047.6 | 0.69 | 45.97 |
| 2.607 | 21.62 | 63.07 | 1.14 | 7.36 | 636.94 | 0.73 | 45.97 |
| 2.628 | 21.62 | 63.07 | 1.11 | 7.35 | 473.1 | 0.69 | 45.97 |
| 2.655 | 21.62 | 63.07 | 1.26 | 7.34 | 848.23 | 0.66 | 45.97 |
| 2.682 | 21.62 | 63.07 | 1.14 | 7.35 | 818.3 | 0.72 | 45.97 |
| 2.707 | 21.62 | 63.07 | 1.11 | 7.35 | 631.8 | 0.71 | 45.97 |
| 2.728 | 21.62 | 63.08 | 1.14 | 7.35 | 599.83 | 0.68 | 45.97 |
| 2.747 | 21.62 | 63.08 | 1.03 | 7.35 | 858.72 | 0.77 | 45.97 |
| 2.769 | 21.62 | 63.08 | 1.14 | 7.36 | 580.81 | 0.73 | 45.97 |
| 2.796 | 21.62 | 63.08 | 1.22 | 7.35 | 696.55 | 0.68 | 45.97 |
| 2.824 | 21.62 | 63.09 | 1.03 | 7.35 | 607.1 | 0.69 | 45.98 |
| 2.849 | 21.62 | 63.09 | 1.18 | 7.35 | 770.98 | 0.73 | 45.98 |
| 2.869 | 21.62 | 63.09 | 1.18 | 7.35 | 511.18 | 0.71 | 45.97 |
| 2.89 | 21.62 | 63.08 | 1.18 | 7.35 | 473.21 | 0.69 | 45.96 |

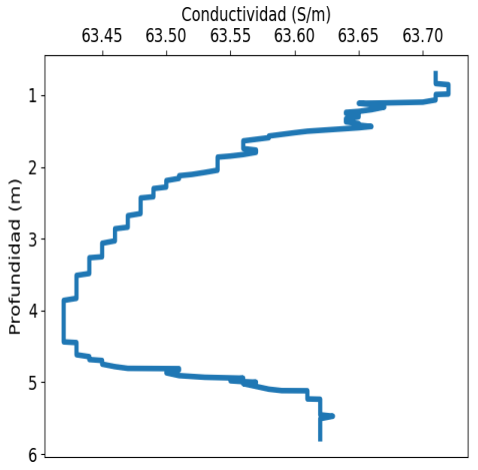
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2.916 | 21.62 | 63.05 | 1.14 | 7.35 | 791.07 | 0.72 | 45.94 |
| 2.943 | 21.61 | 63.04 | 1.11 | 7.35 | 683.91 | 0.7 | 45.95 |
| 2.966 | 21.6 | 63.05 | 1.07 | 7.35 | 580.01 | 0.72 | 45.97 |
| 2.988 | 21.6 | 63.05 | 1.3 | 7.35 | 669.8 | 0.7 | 45.97 |
| 3.012 | 21.6 | 63.05 | 1.22 | 7.34 | 598.86 | 0.74 | 45.96 |
| 3.039 | 21.6 | 63.02 | 1.22 | 7.34 | 775.82 | 0.85 | 45.94 |
| 3.062 | 21.59 | 62.96 | 1.26 | 7.34 | 821.34 | 0.76 | 45.9 |
| 3.083 | 21.57 | 62.93 | 1.22 | 7.34 | 634.58 | 0.76 | 45.9 |
| 3.106 | 21.55 | 62.92 | 1.26 | 7.35 | 517.5 | 0.76 | 45.91 |
| 3.132 | 21.54 | 62.88 | 1.18 | 7.35 | 778.16 | 0.76 | 45.9 |
| 3.158 | 21.52 | 62.85 | 1.22 | 7.35 | 545.33 | 0.72 | 45.88 |
| 3.182 | 21.5 | 62.84 | 1.14 | 7.37 | 574.79 | 0.73 | 45.9 |
| 3.203 | 21.49 | 62.82 | 1.3 | 7.38 | 495.55 | 0.8 | 45.9 |
| 3.226 | 21.47 | 62.81 | 1.26 | 7.39 | 673.22 | 0.73 | 45.9 |
| 3.251 | 21.47 | 62.8 | 1.22 | 7.4 | 585.68 | 0.79 | 45.91 |
| 3.277 | 21.46 | 62.77 | 1.22 | 7.41 | 459.8 | 0.81 | 45.88 |
| 3.299 | 21.45 | 62.76 | 1.22 | 7.42 | 546.34 | 0.69 | 45.89 |
| 3.32 | 21.44 | 62.77 | 1.07 | 7.42 | 600.53 | 0.74 | 45.91 |
| 3.344 | 21.44 | 62.75 | 1.14 | 7.42 | 540.42 | 0.79 | 45.9 |
| 3.369 | 21.43 | 62.73 | 1.14 | 7.42 | 466.03 | 0.8 | 45.89 |
| 3.388 | 21.42 | 62.73 | 1.11 | 7.43 | 478.06 | 0.73 | 45.89 |
| 3.409 | 21.42 | 62.72 | 1.14 | 7.43 | 615.61 | 0.8 | 45.9 |
| 3.432 | 21.41 | 62.72 | 1.18 | 7.44 | 485.21 | 0.84 | 45.9 |
| 3.455 | 21.41 | 62.72 | 1.22 | 7.45 | 451.99 | 0.79 | 45.9 |
| 3.476 | 21.41 | 62.72 | 1.3 | 7.47 | 584.87 | 0.71 | 45.9 |
| 3.498 | 21.41 | 62.72 | 1.18 | 7.47 | 508.58 | 0.8 | 45.9 |
| 3.519 | 21.41 | 62.72 | 1.07 | 7.48 | 422.11 | 0.8 | 45.9 |
| 3.54 | 21.41 | 62.72 | 1.22 | 7.49 | 556.44 | 0.79 | 45.9 |
| 3.561 | 21.41 | 62.72 | 1.33 | 7.48 | 566.98 | 0.74 | 45.9 |
| 3.583 | 21.41 | 62.72 | 1.22 | 7.48 | 567.64 | 0.81 | 45.9 |
| 3.605 | 21.41 | 62.72 | 1.3 | 7.47 | 421.33 | 0.73 | 45.9 |
| 3.627 | 21.41 | 62.72 | 1.3 | 7.47 | 471.68 | 0.74 | 45.9 |
| 3.645 | 21.41 | 62.73 | 1.11 | 7.47 | 538.17 | 0.72 | 45.91 |
| 3.665 | 21.41 | 62.73 | 1.14 | 7.48 | 509.17 | 0.72 | 45.91 |
| 3.689 | 21.41 | 62.73 | 1.22 | 7.48 | 527.55 | 0.71 | 45.91 |
| 3.713 | 21.41 | 62.74 | 1.14 | 7.48 | 517.26 | 0.77 | 45.91 |
| 3.734 | 21.41 | 62.74 | 1.37 | 7.48 | 442.45 | 0.76 | 45.91 |
| 3.753 | 21.41 | 62.75 | 1.07 | 7.48 | 441.12 | 0.8 | 45.92 |
| 3.775 | 21.42 | 62.74 | 1.33 | 7.47 | 471.79 | 0.76 | 45.91 |
| 3.798 | 21.42 | 62.74 | 1.33 | 7.47 | 493.94 | 0.77 | 45.91 |
| 3.819 | 21.42 | 62.75 | 1.26 | 7.47 | 427.43 | 0.81 | 45.91 |
| 3.839 | 21.42 | 62.75 | 1.26 | 7.47 | 430.61 | 0.79 | 45.91 |
| 3.859 | 21.42 | 62.75 | 1.26 | 7.47 | 458.1 | 0.81 | 45.91 |
| 3.875 | 21.42 | 62.76 | 1.33 | 7.48 | 487.8 | 0.76 | 45.92 |
| 3.891 | 21.42 | 62.76 | 1.11 | 7.48 | 445.43 | 0.73 | 45.91 |
| 3.912 | 21.42 | 62.78 | 1.22 | 7.48 | 394.13 | 0.74 | 45.93 |
| 3.94 | 21.43 | 62.85 | 1.11 | 7.47 | 446.57 | 0.72 | 45.98 |
| 3.97 | 21.45 | 62.96 | 1.37 | 7.46 | 483.19 | 0.76 | 46.05 |
| 3.993 | 21.49 | 62.94 | 1.14 | 7.47 | 419.19 | 0.81 | 46.0 |
| 3.998 | 21.53 | 62.95 | 0.99 | 7.5 | 463.44 | 0.91 | 45.95 |
| 4.007 | 21.53 | 62.94 | 1.26 | 7.5 | 376.45 | 0.83 | 45.95 |
| 4.022 | 21.53 | 63.01 | 1.22 | 7.5 | 461.3 | 0.83 | 46.01 |
| 4.038 | 21.54 | 63.1 | 1.26 | 7.49 | 454.61 | 0.85 | 46.07 |
| 4.051 | 21.57 | 63.1 | 1.14 | 7.48 | 400.85 | 0.97 | 46.04 |
| 4.081 | 21.58 | 63.13 | 1.18 | 7.46 | 429.52 | 1.03 | 46.05 |
| 4.114 | 21.6 | 63.22 | 1.26 | 7.44 | 408.83 | 1.01 | 46.1 |
| 4.141 | 21.63 | 63.23 | 1.49 | 7.42 | 391.85 | 1.01 | 46.09 |
| 4.17 | 21.65 | 63.26 | 1.14 | 7.39 | 421.72 | 1.08 | 46.09 |

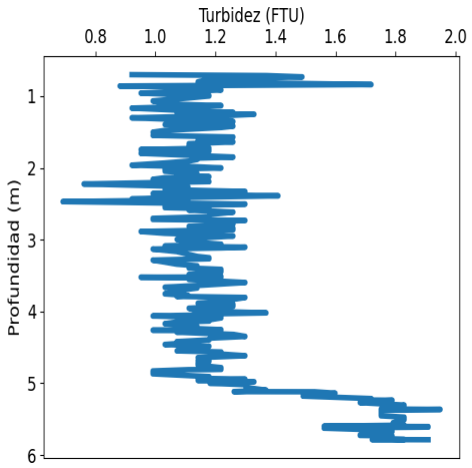
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4.178 | 21.66 | 63.27 | 1.22 | 7.37 | 424.96 | 1.04 | 46.08 |
| 4.188 | 21.67 | 63.27 | 1.14 | 7.35 | 394.67 | 1.17 | 46.07 |
| 4.217 | 21.68 | 63.28 | 1.18 | 7.33 | 390.67 | 1.27 | 46.07 |
| 4.229 | 21.69 | 63.3 | 1.18 | 7.31 | 386.98 | 1.23 | 46.08 |
| 4.269 | 21.69 | 63.31 | 1.22 | 7.3 | 393.4 | 1.22 | 46.08 |
| 4.295 | 21.7 | 63.31 | 1.3 | 7.29 | 363.25 | 1.26 | 46.08 |
| 4.301 | 21.7 | 63.31 | 0.99 | 7.29 | 404.87 | 1.18 | 46.07 |
| 4.33 | 21.71 | 63.31 | 1.26 | 7.3 | 411.2 | 1.22 | 46.07 |
| 4.339 | 21.71 | 63.31 | 1.26 | 7.3 | 345.59 | 1.17 | 46.07 |
| 4.361 | 21.71 | 63.31 | 1.3 | 7.31 | 346.47 | 1.42 | 46.07 |
| 4.372 | 21.71 | 63.3 | 1.33 | 7.33 | 387.69 | 1.43 | 46.06 |
| 4.375 | 21.7 | 63.28 | 1.3 | 7.33 | 380.92 | 1.21 | 46.04 |
| 4.377 | 21.69 | 63.2 | 1.33 | 7.33 | 412.35 | 1.04 | 45.99 |
| 4.379 | 21.68 | 63.22 | 1.68 | 7.32 | 381.37 | 0.94 | 46.03 |

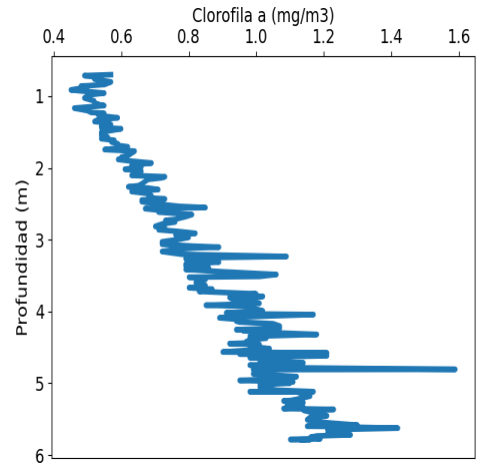
**Nombre: CTD N05 - Punto 018** **Fecha: 22/10/2024** **Hora: 12:10:23**

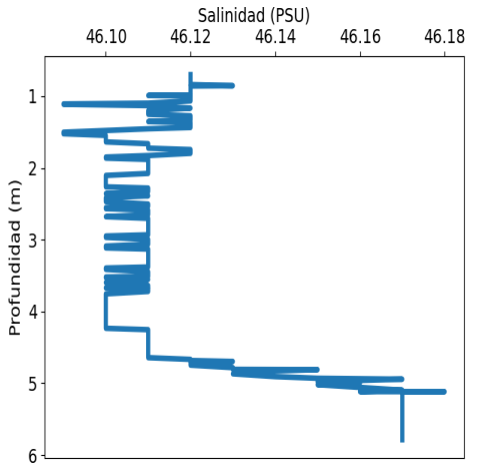


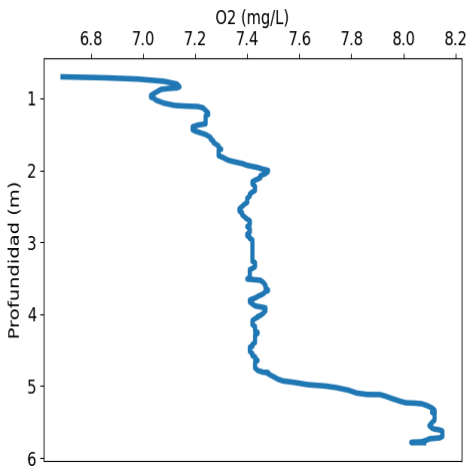



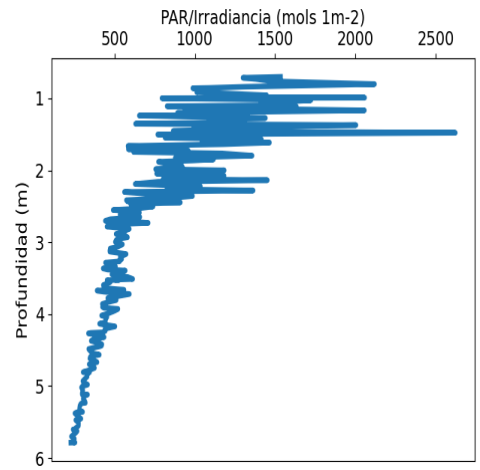



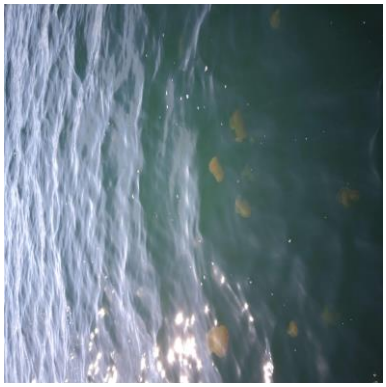



| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 21.76 | 63.42 | 0.69 | 6.69 | 224.98 | 0.45 | 46.09 |
| **PROF (metros)** | 3.597 | 3.86 | 2.47 | 0.701 | 5.787 | 0.914 | 1.109 |
| **MÁXIMO** | 21.98 | 21.98 | 1.95 | 8.15 | 2624.4 | 1.59 | 46.18 |
| **PROF (metros)** | 0.958 | 0.855 | 5.365 | 5.626 | 1.479 | 4.807 | 5.118 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD N05 - Punto 018 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 21.97 | 63.71 | 1.18 | 7.03 | 1338.61 | 0.51 | 46.12 |
| 1 - 2m | 21.9 | 63.61 | 1.11 | 7.26 | 1120.61 | 0.57 | 46.11 |
| 2 - 3m | 21.81 | 63.49 | 1.11 | 7.41 | 719.39 | 0.71 | 46.11 |
| 3 - 4m | 21.77 | 63.44 | 1.14 | 7.43 | 491.19 | 0.87 | 46.11 |
| 4 - 5m | 21.77 | 63.45 | 1.16 | 7.45 | 377.0 | 1.03 | 46.12 |
| 5 - 6m | 21.85 | 63.61 | 1.69 | 8.04 | 272.73 | 1.16 | 46.17 |

| 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 | 21.97 | 63.71 | 0.92 | 6.69 | 1534.3 | 0.57 | 46.12 |
| 0.714 | 21.97 | 63.71 | 1.37 | 6.85 | 1298.4 | 0.49 | 46.12 |
| 0.732 | 21.97 | 63.71 | 1.49 | 6.98 | 1382.9 | 0.52 | 46.12 |
| 0.763 | 21.97 | 63.71 | 1.18 | 7.08 | 1478.7 | 0.52 | 46.12 |
| 0.802 | 21.97 | 63.71 | 1.14 | 7.13 | 2120.4 | 0.57 | 46.12 |
| 0.839 | 21.97 | 63.71 | 1.72 | 7.14 | 1314.2 | 0.55 | 46.12 |
| 0.855 | 21.97 | 63.72 | 1.03 | 7.13 | 1088.0 | 0.5 | 46.13 |
| 0.859 | 21.97 | 63.72 | 0.88 | 7.11 | 985.69 | 0.48 | 46.12 |
| 0.874 | 21.97 | 63.72 | 1.14 | 7.07 | 1065.3 | 0.5 | 46.12 |
| 0.914 | 21.97 | 63.72 | 1.22 | 7.05 | 1009.7 | 0.45 | 46.12 |
| 0.958 | 21.98 | 63.72 | 0.95 | 7.03 | 1447.5 | 0.55 | 46.12 |
| 0.985 | 21.97 | 63.72 | 1.11 | 7.03 | 1163.1 | 0.5 | 46.12 |
| 0.991 | 21.97 | 63.71 | 1.18 | 7.04 | 2058.9 | 0.5 | 46.11 |
| 0.998 | 21.97 | 63.71 | 1.18 | 7.04 | 793.46 | 0.5 | 46.12 |
| 1.026 | 21.97 | 63.71 | 1.11 | 7.05 | 1723.2 | 0.49 | 46.12 |
| 1.067 | 21.97 | 63.71 | 0.99 | 7.08 | 1409.1 | 0.52 | 46.12 |
| 1.098 | 21.97 | 63.7 | 1.03 | 7.12 | 1406.5 | 0.52 | 46.11 |
| 1.109 | 21.96 | 63.67 | 1.07 | 7.17 | 825.16 | 0.53 | 46.09 |
| 1.114 | 21.95 | 63.65 | 1.07 | 7.21 | 1633.3 | 0.53 | 46.09 |
| 1.132 | 21.94 | 63.66 | 1.22 | 7.23 | 932.57 | 0.55 | 46.11 |
| 1.167 | 21.94 | 63.67 | 0.92 | 7.24 | 2057.5 | 0.46 | 46.12 |
| 1.203 | 21.93 | 63.66 | 1.11 | 7.25 | 889.92 | 0.5 | 46.11 |
| 1.227 | 21.93 | 63.65 | 1.26 | 7.25 | 1328.6 | 0.51 | 46.11 |
| 1.24 | 21.93 | 63.64 | 1.07 | 7.24 | 651.73 | 0.55 | 46.11 |
| 1.253 | 21.92 | 63.64 | 1.33 | 7.24 | 920.34 | 0.53 | 46.11 |
| 1.274 | 21.92 | 63.65 | 1.22 | 7.24 | 1440.2 | 0.54 | 46.12 |
| 1.302 | 21.92 | 63.65 | 0.92 | 7.24 | 1086.5 | 0.59 | 46.12 |
| 1.331 | 21.92 | 63.64 | 1.11 | 7.24 | 1308.4 | 0.53 | 46.12 |
| 1.354 | 21.92 | 63.64 | 1.26 | 7.24 | 628.58 | 0.52 | 46.11 |
| 1.372 | 21.92 | 63.64 | 1.11 | 7.21 | 2004.7 | 0.56 | 46.12 |
| 1.396 | 21.92 | 63.65 | 1.03 | 7.19 | 1379.7 | 0.57 | 46.12 |
| 1.418 | 21.92 | 63.65 | 1.26 | 7.19 | 989.58 | 0.54 | 46.12 |
| 1.437 | 21.92 | 63.66 | 1.22 | 7.19 | 1116.3 | 0.54 | 46.12 |
| 1.455 | 21.93 | 63.65 | 1.14 | 7.2 | 862.7 | 0.6 | 46.11 |
| 1.479 | 21.92 | 63.63 | 1.03 | 7.22 | 2624.4 | 0.57 | 46.1 |
| 1.503 | 21.92 | 63.61 | 0.99 | 7.24 | 766.88 | 0.54 | 46.09 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.524 | 21.91 | 63.6 | 1.03 | 7.25 | 961.55 | 0.54 | 46.09 |
| 1.547 | 21.9 | 63.59 | 0.99 | 7.26 | 812.63 | 0.54 | 46.1 |
| 1.57 | 21.89 | 63.58 | 1.26 | 7.26 | 1415.4 | 0.56 | 46.1 |
| 1.593 | 21.88 | 63.58 | 1.18 | 7.27 | 1043.3 | 0.54 | 46.1 |
| 1.615 | 21.88 | 63.57 | 1.14 | 7.27 | 1465.8 | 0.58 | 46.1 |
| 1.638 | 21.87 | 63.56 | 1.26 | 7.28 | 1176.9 | 0.57 | 46.1 |
| 1.663 | 21.87 | 63.56 | 1.11 | 7.29 | 581.49 | 0.59 | 46.11 |
| 1.686 | 21.86 | 63.56 | 1.11 | 7.29 | 890.74 | 0.59 | 46.11 |
| 1.707 | 21.86 | 63.56 | 1.14 | 7.3 | 583.78 | 0.62 | 46.11 |
| 1.725 | 21.86 | 63.56 | 1.18 | 7.29 | 958.65 | 0.59 | 46.11 |
| 1.745 | 21.86 | 63.56 | 0.95 | 7.29 | 616.32 | 0.55 | 46.12 |
| 1.766 | 21.86 | 63.57 | 1.18 | 7.29 | 1169.6 | 0.64 | 46.12 |
| 1.797 | 21.86 | 63.57 | 0.95 | 7.29 | 1357.2 | 0.63 | 46.12 |
| 1.828 | 21.86 | 63.56 | 1.14 | 7.31 | 876.0 | 0.62 | 46.11 |
| 1.849 | 21.86 | 63.55 | 1.26 | 7.32 | 1116.1 | 0.6 | 46.1 |
| 1.864 | 21.85 | 63.54 | 1.14 | 7.33 | 987.52 | 0.61 | 46.1 |
| 1.882 | 21.85 | 63.54 | 1.14 | 7.35 | 771.52 | 0.59 | 46.11 |
| 1.906 | 21.85 | 63.54 | 1.11 | 7.38 | 821.15 | 0.63 | 46.11 |
| 1.932 | 21.85 | 63.54 | 1.03 | 7.4 | 916.72 | 0.69 | 46.11 |
| 1.962 | 21.85 | 63.54 | 0.92 | 7.44 | 924.18 | 0.63 | 46.11 |
| 1.985 | 21.84 | 63.54 | 1.14 | 7.46 | 753.84 | 0.66 | 46.11 |
| 2.001 | 21.84 | 63.54 | 1.22 | 7.48 | 1183.5 | 0.64 | 46.11 |
| 2.018 | 21.84 | 63.54 | 1.03 | 7.48 | 1052.5 | 0.61 | 46.11 |
| 2.046 | 21.84 | 63.54 | 1.03 | 7.47 | 759.8 | 0.66 | 46.11 |
| 2.077 | 21.84 | 63.53 | 1.14 | 7.45 | 1182.7 | 0.64 | 46.11 |
| 2.105 | 21.84 | 63.52 | 1.07 | 7.45 | 839.82 | 0.63 | 46.1 |
| 2.123 | 21.83 | 63.51 | 1.18 | 7.44 | 799.74 | 0.73 | 46.1 |
| 2.138 | 21.83 | 63.51 | 1.03 | 7.43 | 1452.3 | 0.72 | 46.1 |
| 2.16 | 21.83 | 63.51 | 0.99 | 7.42 | 770.44 | 0.68 | 46.1 |
| 2.191 | 21.82 | 63.5 | 1.18 | 7.42 | 626.55 | 0.67 | 46.1 |
| 2.224 | 21.82 | 63.5 | 0.76 | 7.43 | 1035.1 | 0.66 | 46.1 |
| 2.248 | 21.82 | 63.5 | 0.99 | 7.43 | 889.51 | 0.65 | 46.1 |
| 2.264 | 21.82 | 63.5 | 1.11 | 7.43 | 823.44 | 0.62 | 46.1 |
| 2.281 | 21.81 | 63.5 | 1.11 | 7.43 | 1363.5 | 0.68 | 46.11 |
| 2.302 | 21.81 | 63.49 | 1.03 | 7.42 | 559.02 | 0.71 | 46.11 |
| 2.329 | 21.81 | 63.49 | 1.3 | 7.41 | 707.29 | 0.63 | 46.11 |
| 2.358 | 21.81 | 63.49 | 0.99 | 7.41 | 985.46 | 0.68 | 46.1 |
| 2.389 | 21.81 | 63.49 | 1.41 | 7.4 | 833.03 | 0.69 | 46.11 |
| 2.416 | 21.81 | 63.49 | 1.03 | 7.4 | 571.73 | 0.68 | 46.1 |
| 2.433 | 21.81 | 63.48 | 0.92 | 7.4 | 578.66 | 0.73 | 46.1 |
| 2.447 | 21.81 | 63.48 | 1.11 | 7.4 | 909.73 | 0.66 | 46.1 |
| 2.47 | 21.8 | 63.48 | 0.69 | 7.39 | 598.17 | 0.66 | 46.1 |
| 2.504 | 21.8 | 63.48 | 1.3 | 7.38 | 739.13 | 0.71 | 46.11 |
| 2.535 | 21.8 | 63.48 | 1.03 | 7.37 | 626.98 | 0.77 | 46.11 |
| 2.553 | 21.8 | 63.48 | 1.03 | 7.37 | 489.27 | 0.85 | 46.1 |
| 2.568 | 21.8 | 63.48 | 1.18 | 7.37 | 618.32 | 0.67 | 46.1 |
| 2.588 | 21.8 | 63.48 | 1.11 | 7.38 | 655.21 | 0.71 | 46.11 |
| 2.616 | 21.8 | 63.48 | 1.26 | 7.38 | 532.09 | 0.71 | 46.11 |
| 2.65 | 21.8 | 63.48 | 1.18 | 7.39 | 657.34 | 0.81 | 46.11 |
| 2.68 | 21.8 | 63.47 | 1.18 | 7.4 | 473.21 | 0.79 | 46.1 |
| 2.703 | 21.8 | 63.47 | 0.99 | 7.41 | 440.2 | 0.77 | 46.11 |
| 2.718 | 21.8 | 63.47 | 0.99 | 7.41 | 627.71 | 0.76 | 46.11 |
| 2.732 | 21.8 | 63.47 | 1.3 | 7.41 | 709.26 | 0.73 | 46.11 |
| 2.753 | 21.79 | 63.47 | 1.18 | 7.41 | 479.73 | 0.76 | 46.11 |
| 2.783 | 21.79 | 63.47 | 1.26 | 7.4 | 450.42 | 0.72 | 46.11 |
| 2.815 | 21.79 | 63.47 | 1.11 | 7.41 | 591.27 | 0.7 | 46.11 |
| 2.84 | 21.79 | 63.47 | 1.26 | 7.41 | 563.71 | 0.73 | 46.11 |
| 2.862 | 21.79 | 63.46 | 1.26 | 7.41 | 557.6 | 0.71 | 46.11 |

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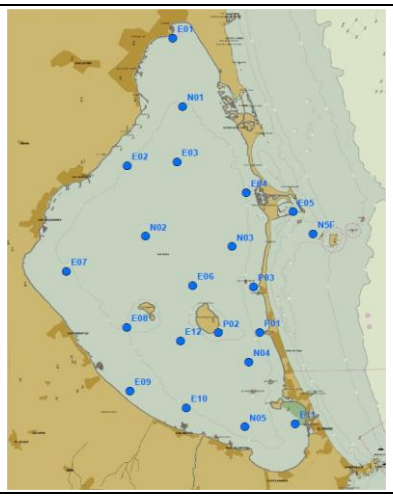
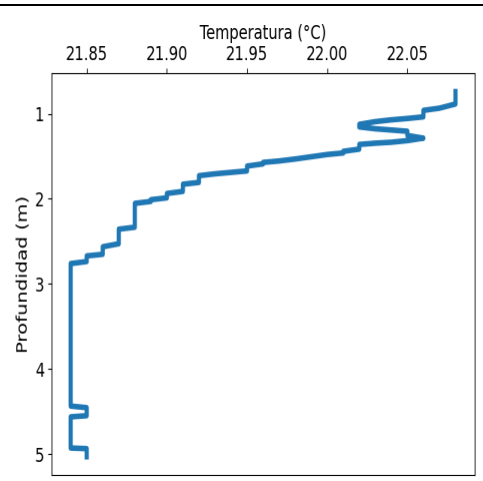
|---|---|---|---|---|---|---|---|
| 2.886 | 21.79 | 63.46 | 0.95 | 7.4 | 507.4 | 0.77 | 46.11 |
| 2.911 | 21.79 | 63.46 | 1.03 | 7.4 | 566.98 | 0.82 | 46.11 |
| 2.932 | 21.79 | 63.46 | 1.18 | 7.41 | 580.01 | 0.76 | 46.11 |
| 2.949 | 21.79 | 63.46 | 1.26 | 7.41 | 534.19 | 0.79 | 46.1 |
| 2.968 | 21.79 | 63.46 | 1.18 | 7.42 | 509.41 | 0.8 | 46.1 |
| 2.996 | 21.78 | 63.46 | 1.07 | 7.42 | 502.37 | 0.77 | 46.11 |
| 3.03 | 21.78 | 63.46 | 1.11 | 7.42 | 548.5 | 0.72 | 46.11 |
| 3.064 | 21.78 | 63.45 | 1.22 | 7.42 | 517.74 | 0.72 | 46.11 |
| 3.089 | 21.78 | 63.45 | 1.03 | 7.42 | 470.48 | 0.81 | 46.1 |
| 3.104 | 21.78 | 63.45 | 1.3 | 7.42 | 483.19 | 0.89 | 46.1 |
| 3.115 | 21.78 | 63.45 | 1.22 | 7.42 | 468.3 | 0.82 | 46.1 |
| 3.131 | 21.78 | 63.45 | 0.99 | 7.42 | 468.63 | 0.77 | 46.11 |
| 3.165 | 21.78 | 63.45 | 1.07 | 7.42 | 571.47 | 0.72 | 46.11 |
| 3.204 | 21.78 | 63.45 | 1.11 | 7.42 | 533.21 | 0.78 | 46.11 |
| 3.234 | 21.78 | 63.45 | 1.14 | 7.42 | 544.07 | 1.09 | 46.11 |
| 3.252 | 21.78 | 63.45 | 1.18 | 7.42 | 528.41 | 0.84 | 46.11 |
| 3.266 | 21.78 | 63.44 | 1.18 | 7.42 | 531.11 | 0.79 | 46.11 |
| 3.285 | 21.77 | 63.44 | 0.99 | 7.43 | 441.02 | 0.82 | 46.11 |
| 3.312 | 21.77 | 63.44 | 1.03 | 7.43 | 497.62 | 0.89 | 46.11 |
| 3.341 | 21.77 | 63.44 | 1.07 | 7.43 | 506.11 | 0.79 | 46.11 |
| 3.365 | 21.77 | 63.44 | 1.14 | 7.42 | 426.44 | 0.79 | 46.11 |
| 3.381 | 21.77 | 63.44 | 1.14 | 7.41 | 455.35 | 0.83 | 46.11 |
| 3.395 | 21.77 | 63.44 | 1.11 | 7.41 | 566.33 | 0.86 | 46.1 |
| 3.414 | 21.77 | 63.44 | 1.22 | 7.41 | 507.87 | 0.79 | 46.1 |
| 3.447 | 21.77 | 63.44 | 1.22 | 7.41 | 480.84 | 0.9 | 46.11 |
| 3.485 | 21.77 | 63.44 | 1.11 | 7.41 | 581.89 | 1.06 | 46.11 |
| 3.512 | 21.77 | 63.43 | 1.22 | 7.4 | 612.62 | 1.01 | 46.11 |
| 3.52 | 21.77 | 63.43 | 1.22 | 7.42 | 499.93 | 0.85 | 46.1 |
| 3.523 | 21.77 | 63.43 | 0.95 | 7.43 | 529.14 | 0.8 | 46.1 |
| 3.529 | 21.77 | 63.43 | 1.11 | 7.45 | 450.94 | 0.85 | 46.1 |
| 3.554 | 21.76 | 63.43 | 1.11 | 7.46 | 472.99 | 0.85 | 46.11 |
| 3.597 | 21.76 | 63.43 | 1.3 | 7.47 | 427.33 | 0.82 | 46.1 |
| 3.638 | 21.76 | 63.43 | 1.14 | 7.47 | 434.32 | 0.85 | 46.11 |
| 3.663 | 21.76 | 63.43 | 1.03 | 7.48 | 558.5 | 0.84 | 46.11 |
| 3.669 | 21.76 | 63.43 | 1.14 | 7.48 | 452.3 | 0.8 | 46.1 |
| 3.673 | 21.76 | 63.43 | 1.14 | 7.48 | 388.5 | 0.81 | 46.1 |
| 3.689 | 21.76 | 63.43 | 1.11 | 7.47 | 432.41 | 0.87 | 46.11 |
| 3.721 | 21.76 | 63.43 | 1.07 | 7.46 | 591.96 | 0.83 | 46.11 |
| 3.755 | 21.76 | 63.43 | 1.03 | 7.44 | 509.29 | 1.0 | 46.1 |
| 3.777 | 21.76 | 63.43 | 1.11 | 7.43 | 455.35 | 0.94 | 46.1 |
| 3.79 | 21.76 | 63.43 | 1.07 | 7.42 | 501.56 | 1.02 | 46.1 |
| 3.805 | 21.76 | 63.43 | 1.3 | 7.41 | 509.76 | 0.92 | 46.1 |
| 3.831 | 21.76 | 63.43 | 1.26 | 7.41 | 462.37 | 0.93 | 46.1 |
| 3.86 | 21.76 | 63.42 | 1.22 | 7.42 | 421.43 | 0.99 | 46.1 |
| 3.886 | 21.76 | 63.42 | 1.14 | 7.43 | 442.24 | 1.01 | 46.1 |
| 3.9 | 21.76 | 63.42 | 1.26 | 7.45 | 422.41 | 0.94 | 46.1 |
| 3.913 | 21.76 | 63.42 | 1.26 | 7.47 | 433.22 | 0.85 | 46.1 |
| 3.928 | 21.76 | 63.42 | 1.26 | 7.47 | 520.63 | 0.97 | 46.1 |
| 3.955 | 21.76 | 63.42 | 1.11 | 7.47 | 497.85 | 0.99 | 46.1 |
| 3.993 | 21.76 | 63.42 | 1.14 | 7.46 | 456.72 | 1.02 | 46.1 |
| 4.02 | 21.76 | 63.42 | 1.37 | 7.45 | 417.15 | 0.91 | 46.1 |
| 4.034 | 21.76 | 63.42 | 1.18 | 7.44 | 442.35 | 0.98 | 46.1 |
| 4.043 | 21.76 | 63.42 | 1.22 | 7.44 | 451.78 | 1.17 | 46.1 |
| 4.063 | 21.76 | 63.42 | 0.99 | 7.43 | 442.45 | 1.04 | 46.1 |
| 4.089 | 21.76 | 63.42 | 1.22 | 7.42 | 442.45 | 0.89 | 46.1 |
| 4.116 | 21.76 | 63.42 | 1.18 | 7.42 | 441.53 | 0.96 | 46.1 |
| 4.134 | 21.76 | 63.42 | 1.18 | 7.42 | 404.3 | 0.94 | 46.1 |
| 4.148 | 21.76 | 63.42 | 1.07 | 7.42 | 437.15 | 0.95 | 46.1 |

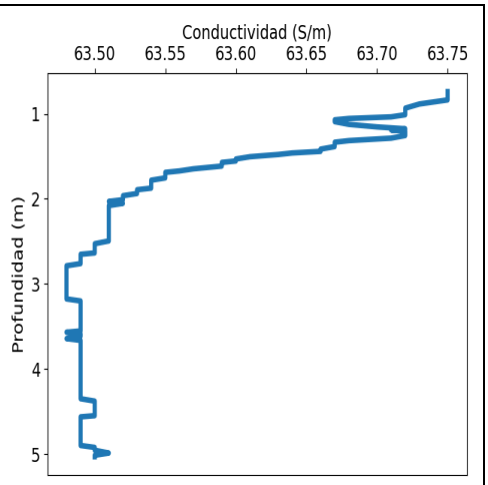
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4.171 | 21.76 | 63.42 | 1.03 | 7.43 | 502.02 | 1.05 | 46.1 |
| 4.204 | 21.76 | 63.42 | 1.14 | 7.43 | 438.67 | 1.07 | 46.1 |
| 4.235 | 21.76 | 63.42 | 1.11 | 7.43 | 441.02 | 1.07 | 46.1 |
| 4.254 | 21.76 | 63.42 | 1.22 | 7.44 | 423.29 | 0.94 | 46.11 |
| 4.261 | 21.76 | 63.42 | 0.99 | 7.44 | 350.59 | 0.98 | 46.11 |
| 4.268 | 21.76 | 63.42 | 1.18 | 7.44 | 334.48 | 0.96 | 46.11 |
| 4.289 | 21.76 | 63.42 | 1.07 | 7.43 | 395.59 | 1.01 | 46.11 |
| 4.32 | 21.76 | 63.42 | 1.26 | 7.43 | 434.62 | 1.18 | 46.11 |
| 4.348 | 21.76 | 63.42 | 1.3 | 7.43 | 369.45 | 0.98 | 46.11 |
| 4.372 | 21.76 | 63.42 | 1.18 | 7.43 | 351.98 | 1.03 | 46.11 |
| 4.396 | 21.76 | 63.42 | 1.18 | 7.43 | 397.71 | 0.98 | 46.11 |
| 4.42 | 21.76 | 63.42 | 1.07 | 7.42 | 420.45 | 0.97 | 46.11 |
| 4.438 | 21.76 | 63.42 | 1.14 | 7.42 | 418.32 | 0.98 | 46.11 |
| 4.448 | 21.76 | 63.43 | 1.07 | 7.42 | 406.46 | 0.92 | 46.11 |
| 4.46 | 21.76 | 63.43 | 1.03 | 7.41 | 382.61 | 1.01 | 46.11 |
| 4.485 | 21.76 | 63.43 | 1.18 | 7.41 | 336.58 | 0.98 | 46.11 |
| 4.519 | 21.76 | 63.43 | 1.11 | 7.41 | 349.29 | 1.04 | 46.11 |
| 4.549 | 21.76 | 63.43 | 1.07 | 7.42 | 369.79 | 0.95 | 46.11 |
| 4.565 | 21.76 | 63.43 | 1.22 | 7.42 | 404.4 | 0.9 | 46.11 |
| 4.578 | 21.76 | 63.43 | 1.22 | 7.42 | 364.34 | 1.21 | 46.11 |
| 4.594 | 21.76 | 63.43 | 1.22 | 7.43 | 347.28 | 0.95 | 46.11 |
| 4.617 | 21.76 | 63.43 | 1.3 | 7.43 | 343.75 | 1.21 | 46.11 |
| 4.644 | 21.76 | 63.44 | 1.14 | 7.44 | 370.99 | 0.98 | 46.11 |
| 4.668 | 21.76 | 63.44 | 1.18 | 7.43 | 390.13 | 1.08 | 46.12 |
| 4.684 | 21.76 | 63.44 | 1.14 | 7.43 | 355.09 | 1.01 | 46.12 |
| 4.697 | 21.76 | 63.45 | 1.18 | 7.43 | 339.56 | 1.05 | 46.13 |
| 4.716 | 21.77 | 63.45 | 1.14 | 7.43 | 354.27 | 1.14 | 46.12 |
| 4.748 | 21.77 | 63.45 | 1.14 | 7.43 | 374.53 | 0.98 | 46.12 |
| 4.783 | 21.77 | 63.46 | 1.22 | 7.44 | 335.64 | 1.07 | 46.13 |
| 4.807 | 21.77 | 63.47 | 1.22 | 7.46 | 301.91 | 1.59 | 46.13 |
| 4.81 | 21.77 | 63.5 | 1.18 | 7.47 | 343.28 | 1.05 | 46.15 |
| 4.811 | 21.78 | 63.51 | 1.11 | 7.48 | 339.24 | 0.99 | 46.15 |
| 4.829 | 21.79 | 63.51 | 0.99 | 7.48 | 325.91 | 1.04 | 46.14 |
| 4.869 | 21.79 | 63.5 | 0.99 | 7.5 | 328.41 | 0.99 | 46.13 |
| 4.908 | 21.79 | 63.51 | 1.18 | 7.52 | 309.78 | 1.12 | 46.14 |
| 4.931 | 21.8 | 63.53 | 1.14 | 7.54 | 300.31 | 1.04 | 46.15 |
| 4.944 | 21.8 | 63.56 | 1.3 | 7.57 | 303.81 | 1.04 | 46.17 |
| 4.961 | 21.81 | 63.55 | 1.14 | 7.6 | 315.5 | 0.95 | 46.16 |
| 4.98 | 21.81 | 63.55 | 1.33 | 7.63 | 331.24 | 1.11 | 46.15 |
| 4.992 | 21.82 | 63.56 | 1.3 | 7.67 | 314.41 | 1.07 | 46.16 |
| 5.0 | 21.82 | 63.57 | 1.18 | 7.7 | 299.19 | 1.1 | 46.16 |
| 5.02 | 21.82 | 63.56 | 1.3 | 7.74 | 291.32 | 1.01 | 46.15 |
| 5.059 | 21.82 | 63.57 | 1.3 | 7.79 | 301.98 | 1.01 | 46.16 |
| 5.097 | 21.83 | 63.58 | 1.37 | 7.82 | 295.81 | 1.06 | 46.17 |
| 5.117 | 21.83 | 63.59 | 1.26 | 7.86 | 295.88 | 1.17 | 46.16 |
| 5.118 | 21.83 | 63.61 | 1.45 | 7.89 | 319.55 | 0.98 | 46.18 |
| 5.119 | 21.84 | 63.61 | 1.53 | 7.91 | 331.09 | 1.12 | 46.17 |
| 5.139 | 21.84 | 63.61 | 1.6 | 7.93 | 308.2 | 1.13 | 46.17 |
| 5.179 | 21.85 | 63.61 | 1.49 | 7.96 | 302.54 | 1.16 | 46.17 |
| 5.214 | 21.85 | 63.61 | 1.72 | 7.99 | 314.85 | 1.13 | 46.17 |
| 5.233 | 21.85 | 63.61 | 1.68 | 8.01 | 317.41 | 1.11 | 46.17 |
| 5.237 | 21.85 | 63.62 | 1.79 | 8.04 | 299.12 | 1.11 | 46.17 |
| 5.246 | 21.85 | 63.62 | 1.75 | 8.07 | 288.57 | 1.08 | 46.17 |
| 5.27 | 21.85 | 63.62 | 1.68 | 8.09 | 282.81 | 1.14 | 46.17 |
| 5.305 | 21.85 | 63.62 | 1.83 | 8.11 | 280.0 | 1.09 | 46.17 |
| 5.336 | 21.85 | 63.62 | 1.79 | 8.12 | 280.65 | 1.14 | 46.17 |
| 5.353 | 21.85 | 63.62 | 1.83 | 8.12 | 295.68 | 1.08 | 46.17 |
| 5.359 | 21.85 | 63.62 | 1.75 | 8.12 | 300.37 | 1.16 | 46.17 |

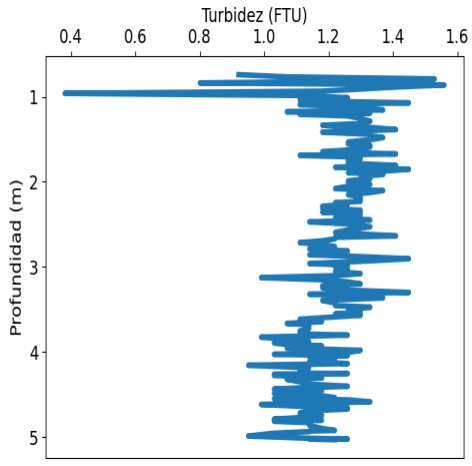
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5.365 | 21.85 | 63.62 | 1.95 | 8.11 | 263.75 | 1.23 | 46.17 |
| 5.379 | 21.85 | 63.62 | 1.75 | 8.12 | 250.46 | 1.14 | 46.17 |
| 5.454 | 21.85 | 63.62 | 1.75 | 8.12 | 289.71 | 1.21 | 46.17 |
| 5.473 | 21.85 | 63.63 | 1.83 | 8.12 | 255.69 | 1.16 | 46.17 |
| 5.508 | 21.85 | 63.62 | 1.83 | 8.11 | 274.8 | 1.15 | 46.17 |
| 5.551 | 21.85 | 63.62 | 1.79 | 8.1 | 274.35 | 1.21 | 46.17 |
| 5.584 | 21.85 | 63.62 | 1.83 | 8.11 | 256.87 | 1.3 | 46.17 |
| 5.599 | 21.85 | 63.62 | 1.56 | 8.12 | 252.45 | 1.15 | 46.17 |
| 5.604 | 21.85 | 63.62 | 1.91 | 8.13 | 238.95 | 1.25 | 46.17 |
| 5.611 | 21.85 | 63.62 | 1.91 | 8.14 | 244.27 | 1.28 | 46.17 |
| 5.626 | 21.85 | 63.62 | 1.56 | 8.15 | 266.15 | 1.42 | 46.17 |
| 5.648 | 21.85 | 63.62 | 1.72 | 8.15 | 257.65 | 1.21 | 46.17 |
| 5.674 | 21.85 | 63.62 | 1.79 | 8.15 | 242.64 | 1.24 | 46.17 |
| 5.701 | 21.85 | 63.62 | 1.72 | 8.15 | 228.82 | 1.21 | 46.17 |
| 5.72 | 21.85 | 63.62 | 1.68 | 8.14 | 237.57 | 1.28 | 46.17 |
| 5.727 | 21.85 | 63.62 | 1.68 | 8.12 | 247.58 | 1.23 | 46.17 |
| 5.734 | 21.85 | 63.62 | 1.79 | 8.1 | 248.73 | 1.18 | 46.17 |
| 5.752 | 21.85 | 63.62 | 1.75 | 8.09 | 243.14 | 1.16 | 46.17 |
| 5.775 | 21.85 | 63.62 | 1.75 | 8.07 | 236.86 | 1.19 | 46.17 |
| 5.784 | 21.85 | 63.62 | 1.83 | 8.03 | 244.5 | 1.1 | 46.17 |
| 5.785 | 21.85 | 63.62 | 1.72 | 8.04 | 252.74 | 1.16 | 46.17 |
| 5.786 | 21.85 | 63.62 | 1.91 | 8.05 | 244.22 | 1.13 | 46.17 |
| 5.787 | 21.85 | 63.62 | 1.91 | 8.08 | 224.98 | 1.14 | 46.17 |

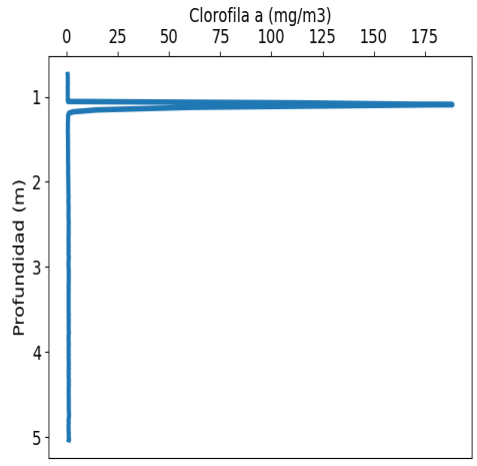
**Nombre: CTD E10 - Punto 019** **Fecha: 22/10/2024** **Hora: 12:10:22**

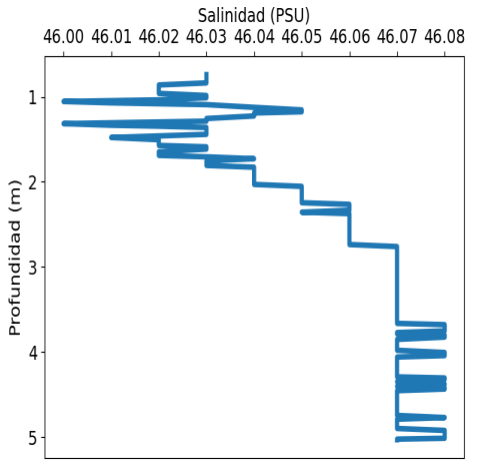


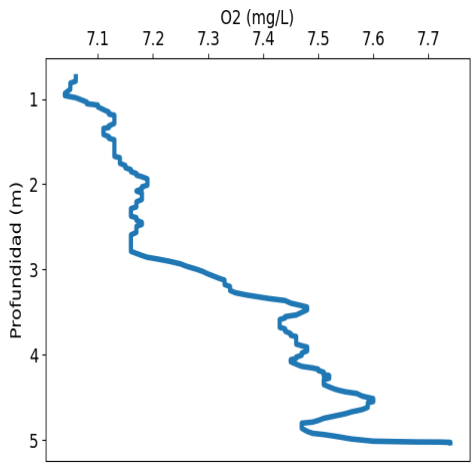



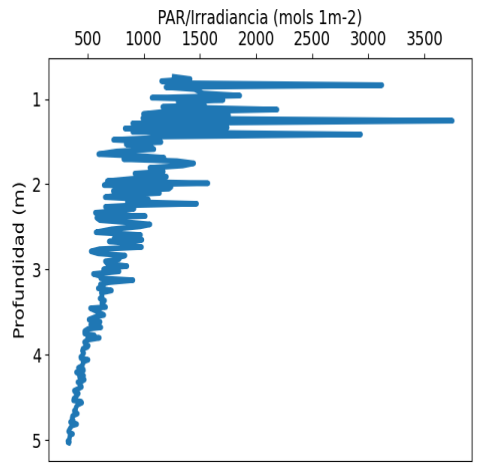




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 21.84 | 63.48 | 0.38 | 7.04 | 321.26 | 0.56 | 46.0 |
| **PROF (metros)** | 2.76 | 2.786 | 0.961 | 0.935 | 5.011 | 0.741 | 1.056 |
| **MÁXIMO** | 22.08 | 22.08 | 1.56 | 7.74 | 3750.1 | 188.37 | 46.08 |
| **PROF (metros)** | 0.741 | 0.741 | 0.862 | 5.025 | 1.256 | 1.093 | 3.677 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E10 - Punto 019 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 22.08 | 63.74 | 1.13 | 7.05 | 1541.19 | 0.61 | 46.02 |
| 1 - 2m | 21.98 | 63.62 | 1.28 | 7.13 | 1262.3 | 9.27 | 46.03 |
| 2 - 3m | 21.86 | 63.5 | 1.25 | 7.18 | 818.06 | 0.98 | 46.06 |
| 3 - 4m | 21.84 | 63.49 | 1.19 | 7.42 | 580.73 | 1.04 | 46.07 |
| 4 - 5m | 21.84 | 63.49 | 1.14 | 7.52 | 407.53 | 1.07 | 46.07 |
| 5 - 6m | 21.85 | 63.5 | 1.19 | 7.7 | 328.4 | 1.12 | 46.07 |

| OBSERVACIONES GENERALES |
|---|
| CLOROFILA elevada en la(s) columna(s) de agua 1 - 2m con los valores 9.27 respectivamente |

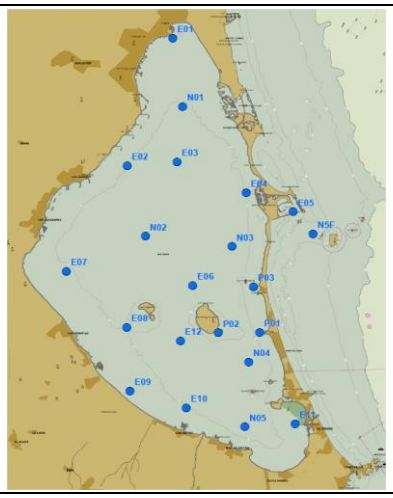
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.741 | 22.08 | 63.75 | 0.92 | 7.06 | 1268.1 | 0.56 | 46.03 |
| 0.767 | 22.08 | 63.75 | 1.07 | 7.06 | 1414.1 | 0.64 | 46.03 |
| 0.791 | 22.08 | 63.75 | 1.53 | 7.06 | 1156.4 | 0.59 | 46.03 |
| 0.815 | 22.08 | 63.75 | 1.37 | 7.05 | 1349.1 | 0.63 | 46.03 |
| 0.838 | 22.08 | 63.75 | 0.8 | 7.05 | 3122.6 | 0.64 | 46.03 |
| 0.862 | 22.08 | 63.74 | 1.56 | 7.05 | 1195.1 | 0.6 | 46.02 |
| 0.886 | 22.08 | 63.73 | 1.41 | 7.05 | 1452.3 | 0.58 | 46.02 |
| 0.935 | 22.07 | 63.72 | 1.18 | 7.04 | 1526.5 | 0.62 | 46.02 |
| 0.961 | 22.06 | 63.72 | 0.38 | 7.04 | 1856.7 | 0.57 | 46.02 |
| 0.986 | 22.06 | 63.72 | 1.11 | 7.06 | 1071.0 | 0.63 | 46.03 |
| 1.012 | 22.06 | 63.72 | 1.26 | 7.07 | 1707.7 | 0.61 | 46.03 |
| 1.037 | 22.06 | 63.71 | 1.11 | 7.08 | 1303.9 | 0.6 | 46.02 |
| 1.056 | 22.05 | 63.68 | 1.22 | 7.08 | 1403.0 | 0.68 | 46.0 |
| 1.072 | 22.04 | 63.67 | 1.45 | 7.1 | 1542.5 | 111.93 | 46.01 |
| 1.093 | 22.03 | 63.67 | 1.11 | 7.1 | 1166.6 | 188.37 | 46.03 |
| 1.125 | 22.02 | 63.68 | 1.3 | 7.11 | 2188.3 | 60.4 | 46.04 |
| 1.155 | 22.02 | 63.7 | 1.37 | 7.12 | 1143.6 | 14.72 | 46.05 |
| 1.177 | 22.03 | 63.72 | 1.07 | 7.12 | 994.64 | 3.43 | 46.05 |
| 1.191 | 22.04 | 63.71 | 1.33 | 7.13 | 1756.6 | 1.32 | 46.04 |
| 1.206 | 22.05 | 63.72 | 1.11 | 7.13 | 1605.2 | 0.88 | 46.04 |
| 1.226 | 22.05 | 63.72 | 1.26 | 7.13 | 988.67 | 0.76 | 46.04 |
| 1.256 | 22.05 | 63.72 | 1.3 | 7.13 | 3750.1 | 0.76 | 46.03 |
| 1.287 | 22.06 | 63.71 | 1.33 | 7.13 | 898.83 | 0.7 | 46.03 |
| 1.316 | 22.05 | 63.68 | 1.3 | 7.12 | 1460.4 | 0.68 | 46.0 |
| 1.335 | 22.04 | 63.67 | 1.18 | 7.12 | 1744.5 | 0.64 | 46.01 |
| 1.346 | 22.03 | 63.67 | 1.22 | 7.11 | 831.11 | 0.66 | 46.02 |
| 1.361 | 22.02 | 63.67 | 1.33 | 7.11 | 1052.3 | 0.68 | 46.03 |
| 1.386 | 22.02 | 63.67 | 1.41 | 7.11 | 899.67 | 0.63 | 46.03 |
| 1.416 | 22.02 | 63.66 | 1.18 | 7.11 | 2933.2 | 0.62 | 46.03 |
| 1.442 | 22.01 | 63.66 | 1.33 | 7.12 | 1130.4 | 0.71 | 46.03 |
| 1.461 | 22.01 | 63.64 | 1.33 | 7.12 | 1023.9 | 0.66 | 46.02 |
| 1.479 | 22.0 | 63.63 | 1.37 | 7.13 | 728.59 | 0.7 | 46.01 |
| 1.505 | 21.99 | 63.61 | 1.33 | 7.13 | 1154.8 | 0.69 | 46.02 |
| 1.532 | 21.98 | 63.6 | 1.26 | 7.13 | 841.18 | 0.71 | 46.02 |
| 1.555 | 21.97 | 63.6 | 1.26 | 7.13 | 993.03 | 0.73 | 46.02 |

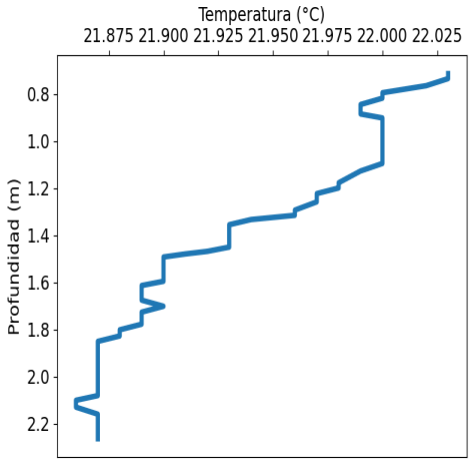
| 1.572 | 21.96 | 63.59 | 1.33 | 7.13 | 1069.2 | 0.7 | 46.02 |
|---|---|---|---|---|---|---|---|
| 1.589 | 21.96 | 63.59 | 1.33 | 7.13 | 1091.5 | 0.72 | 46.03 |
| 1.615 | 21.95 | 63.59 | 1.3 | 7.13 | 756.11 | 0.74 | 46.03 |
| 1.647 | 21.95 | 63.57 | 1.18 | 7.13 | 596.09 | 0.74 | 46.02 |
| 1.672 | 21.95 | 63.56 | 1.41 | 7.13 | 1013.3 | 0.76 | 46.02 |
| 1.689 | 21.94 | 63.55 | 1.11 | 7.14 | 1181.0 | 0.74 | 46.02 |
| 1.706 | 21.93 | 63.55 | 1.26 | 7.14 | 819.44 | 0.76 | 46.03 |
| 1.728 | 21.92 | 63.55 | 1.3 | 7.14 | 1295.4 | 0.76 | 46.04 |
| 1.754 | 21.92 | 63.55 | 1.26 | 7.14 | 1446.2 | 0.77 | 46.03 |
| 1.781 | 21.92 | 63.54 | 1.26 | 7.15 | 1346.3 | 0.76 | 46.03 |
| 1.807 | 21.92 | 63.54 | 1.41 | 7.15 | 1052.0 | 0.82 | 46.03 |
| 1.828 | 21.91 | 63.54 | 1.22 | 7.16 | 1167.9 | 0.81 | 46.04 |
| 1.852 | 21.91 | 63.54 | 1.45 | 7.16 | 1175.0 | 0.82 | 46.04 |
| 1.874 | 21.91 | 63.54 | 1.37 | 7.17 | 918.84 | 0.77 | 46.04 |
| 1.893 | 21.91 | 63.53 | 1.26 | 7.17 | 1039.4 | 0.77 | 46.04 |
| 1.912 | 21.91 | 63.53 | 1.37 | 7.18 | 1203.1 | 0.82 | 46.04 |
| 1.937 | 21.9 | 63.53 | 1.3 | 7.19 | 882.32 | 0.84 | 46.04 |
| 1.963 | 21.9 | 63.52 | 1.33 | 7.19 | 672.75 | 0.84 | 46.04 |
| 1.988 | 21.9 | 63.52 | 1.26 | 7.19 | 1572.8 | 0.86 | 46.04 |
| 2.01 | 21.89 | 63.52 | 1.26 | 7.19 | 644.37 | 0.87 | 46.04 |
| 2.03 | 21.89 | 63.51 | 1.33 | 7.18 | 1244.5 | 0.89 | 46.04 |
| 2.053 | 21.88 | 63.52 | 1.26 | 7.18 | 1223.4 | 0.88 | 46.05 |
| 2.079 | 21.88 | 63.51 | 1.22 | 7.17 | 726.06 | 0.91 | 46.05 |
| 2.103 | 21.88 | 63.51 | 1.37 | 7.18 | 1141.2 | 0.93 | 46.05 |
| 2.125 | 21.88 | 63.51 | 1.33 | 7.18 | 791.07 | 0.9 | 46.05 |
| 2.151 | 21.88 | 63.51 | 1.26 | 7.18 | 654.3 | 0.95 | 46.05 |
| 2.178 | 21.88 | 63.51 | 1.3 | 7.18 | 1041.6 | 0.99 | 46.05 |
| 2.206 | 21.88 | 63.51 | 1.3 | 7.17 | 851.19 | 0.91 | 46.05 |
| 2.228 | 21.88 | 63.51 | 1.3 | 7.17 | 1471.9 | 0.92 | 46.05 |
| 2.245 | 21.88 | 63.51 | 1.22 | 7.17 | 923.97 | 0.91 | 46.05 |
| 2.264 | 21.88 | 63.51 | 1.26 | 7.17 | 656.12 | 0.99 | 46.06 |
| 2.286 | 21.88 | 63.51 | 1.18 | 7.16 | 913.96 | 0.98 | 46.06 |
| 2.308 | 21.88 | 63.51 | 1.18 | 7.16 | 813.76 | 0.98 | 46.06 |
| 2.333 | 21.88 | 63.51 | 1.3 | 7.16 | 566.46 | 1.01 | 46.06 |
| 2.356 | 21.87 | 63.51 | 1.18 | 7.16 | 589.36 | 0.98 | 46.05 |
| 2.373 | 21.87 | 63.51 | 1.3 | 7.16 | 1014.4 | 0.92 | 46.06 |
| 2.392 | 21.87 | 63.51 | 1.3 | 7.17 | 578.66 | 0.95 | 46.06 |
| 2.421 | 21.87 | 63.51 | 1.22 | 7.17 | 607.53 | 1.01 | 46.06 |
| 2.448 | 21.87 | 63.51 | 1.33 | 7.18 | 871.75 | 1.01 | 46.06 |
| 2.47 | 21.87 | 63.51 | 1.14 | 7.18 | 1056.4 | 1.08 | 46.06 |
| 2.494 | 21.87 | 63.51 | 1.26 | 7.17 | 968.26 | 1.05 | 46.06 |
| 2.527 | 21.87 | 63.5 | 1.33 | 7.17 | 712.89 | 1.02 | 46.06 |
| 2.563 | 21.86 | 63.5 | 1.26 | 7.17 | 572.66 | 1.04 | 46.06 |
| 2.594 | 21.86 | 63.5 | 1.22 | 7.16 | 972.08 | 1.05 | 46.06 |
| 2.618 | 21.86 | 63.5 | 1.33 | 7.16 | 768.13 | 1.01 | 46.06 |
| 2.635 | 21.86 | 63.5 | 1.41 | 7.16 | 732.31 | 0.99 | 46.06 |
| 2.651 | 21.86 | 63.49 | 1.22 | 7.16 | 984.78 | 0.99 | 46.06 |
| 2.67 | 21.85 | 63.49 | 1.22 | 7.16 | 689.81 | 0.97 | 46.06 |
| 2.692 | 21.85 | 63.49 | 1.18 | 7.16 | 868.12 | 0.98 | 46.06 |
| 2.714 | 21.85 | 63.49 | 1.11 | 7.16 | 901.13 | 0.98 | 46.06 |
| 2.736 | 21.85 | 63.49 | 1.18 | 7.16 | 980.91 | 1.04 | 46.06 |
| 2.76 | 21.84 | 63.49 | 1.22 | 7.16 | 605.28 | 1.01 | 46.07 |
| 2.786 | 21.84 | 63.48 | 1.14 | 7.16 | 528.53 | 1.01 | 46.07 |
| 2.811 | 21.84 | 63.48 | 1.26 | 7.17 | 593.61 | 1.04 | 46.07 |
| 2.835 | 21.84 | 63.48 | 1.22 | 7.18 | 834.0 | 0.98 | 46.07 |
| 2.856 | 21.84 | 63.48 | 1.14 | 7.19 | 779.06 | 0.98 | 46.07 |
| 2.878 | 21.84 | 63.48 | 1.3 | 7.21 | 780.69 | 1.11 | 46.07 |
| 2.903 | 21.84 | 63.48 | 1.45 | 7.23 | 655.51 | 1.08 | 46.07 |

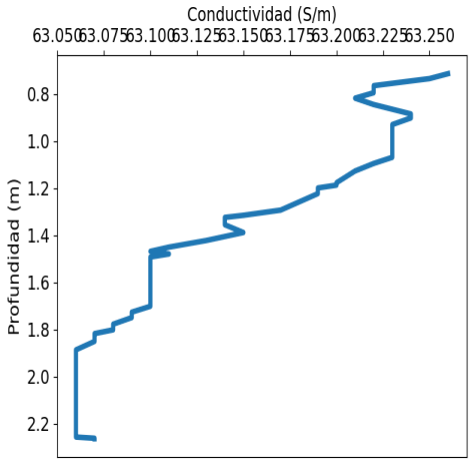
| 2.933 | 21.84 | 63.48 | 1.3 | 7.25 | 676.51 | 0.98 | 46.07 |
|---|---|---|---|---|---|---|---|
| 2.959 | 21.84 | 63.48 | 1.14 | 7.26 | 850.79 | 0.96 | 46.07 |
| 2.978 | 21.84 | 63.48 | 1.26 | 7.27 | 700.76 | 0.97 | 46.07 |
| 2.998 | 21.84 | 63.48 | 1.22 | 7.28 | 638.86 | 0.98 | 46.07 |
| 3.021 | 21.84 | 63.48 | 1.26 | 7.29 | 780.69 | 1.05 | 46.07 |
| 3.051 | 21.84 | 63.48 | 1.22 | 7.3 | 548.88 | 1.1 | 46.07 |
| 3.077 | 21.84 | 63.48 | 1.3 | 7.31 | 617.61 | 1.09 | 46.07 |
| 3.102 | 21.84 | 63.48 | 1.22 | 7.32 | 614.18 | 1.08 | 46.07 |
| 3.124 | 21.84 | 63.48 | 0.99 | 7.33 | 904.68 | 1.09 | 46.07 |
| 3.15 | 21.84 | 63.48 | 1.18 | 7.33 | 684.07 | 1.04 | 46.07 |
| 3.175 | 21.84 | 63.48 | 1.26 | 7.33 | 610.63 | 1.06 | 46.07 |
| 3.199 | 21.84 | 63.49 | 1.3 | 7.34 | 638.12 | 1.05 | 46.07 |
| 3.22 | 21.84 | 63.49 | 1.18 | 7.34 | 591.68 | 0.97 | 46.07 |
| 3.245 | 21.84 | 63.49 | 1.18 | 7.34 | 713.38 | 1.05 | 46.07 |
| 3.272 | 21.84 | 63.49 | 1.26 | 7.35 | 619.33 | 1.01 | 46.07 |
| 3.298 | 21.84 | 63.49 | 1.45 | 7.37 | 625.24 | 1.01 | 46.07 |
| 3.319 | 21.84 | 63.49 | 1.14 | 7.39 | 630.04 | 1.01 | 46.07 |
| 3.339 | 21.84 | 63.49 | 1.33 | 7.41 | 607.67 | 1.04 | 46.07 |
| 3.363 | 21.84 | 63.49 | 1.37 | 7.44 | 652.33 | 1.03 | 46.07 |
| 3.393 | 21.84 | 63.49 | 1.18 | 7.45 | 623.65 | 1.04 | 46.07 |
| 3.423 | 21.84 | 63.49 | 1.22 | 7.47 | 642.87 | 1.03 | 46.07 |
| 3.44 | 21.84 | 63.49 | 1.22 | 7.48 | 661.31 | 1.04 | 46.07 |
| 3.453 | 21.84 | 63.49 | 1.22 | 7.48 | 523.05 | 0.99 | 46.07 |
| 3.471 | 21.84 | 63.49 | 1.33 | 7.48 | 551.3 | 1.05 | 46.07 |
| 3.502 | 21.84 | 63.49 | 1.26 | 7.47 | 603.74 | 1.01 | 46.07 |
| 3.532 | 21.84 | 63.49 | 1.3 | 7.46 | 645.26 | 1.01 | 46.07 |
| 3.551 | 21.84 | 63.49 | 1.22 | 7.44 | 574.79 | 1.11 | 46.07 |
| 3.566 | 21.84 | 63.48 | 1.3 | 7.44 | 545.83 | 1.05 | 46.07 |
| 3.586 | 21.84 | 63.49 | 1.22 | 7.43 | 509.76 | 1.01 | 46.07 |
| 3.613 | 21.84 | 63.49 | 1.11 | 7.43 | 612.33 | 1.08 | 46.07 |
| 3.641 | 21.84 | 63.48 | 1.18 | 7.43 | 524.87 | 1.06 | 46.07 |
| 3.662 | 21.84 | 63.49 | 1.07 | 7.43 | 562.66 | 1.08 | 46.07 |
| 3.677 | 21.84 | 63.49 | 1.14 | 7.43 | 619.18 | 1.01 | 46.08 |
| 3.695 | 21.84 | 63.49 | 1.14 | 7.44 | 502.6 | 1.0 | 46.08 |
| 3.722 | 21.84 | 63.49 | 1.14 | 7.44 | 471.35 | 1.03 | 46.08 |
| 3.75 | 21.84 | 63.49 | 1.11 | 7.45 | 471.57 | 1.06 | 46.08 |
| 3.77 | 21.84 | 63.49 | 1.11 | 7.45 | 559.93 | 1.18 | 46.07 |
| 3.785 | 21.84 | 63.49 | 1.11 | 7.46 | 497.27 | 1.1 | 46.07 |
| 3.8 | 21.84 | 63.49 | 1.26 | 7.46 | 605.28 | 1.02 | 46.08 |
| 3.823 | 21.84 | 63.49 | 0.99 | 7.46 | 500.28 | 0.99 | 46.08 |
| 3.85 | 21.84 | 63.49 | 1.07 | 7.46 | 469.61 | 0.98 | 46.07 |
| 3.873 | 21.84 | 63.49 | 1.14 | 7.46 | 478.51 | 1.02 | 46.07 |
| 3.892 | 21.84 | 63.49 | 1.03 | 7.47 | 506.58 | 1.02 | 46.07 |
| 3.909 | 21.84 | 63.49 | 1.07 | 7.48 | 495.55 | 1.1 | 46.07 |
| 3.927 | 21.84 | 63.49 | 1.18 | 7.48 | 456.72 | 1.03 | 46.07 |
| 3.952 | 21.84 | 63.49 | 1.07 | 7.48 | 450.94 | 1.03 | 46.07 |
| 3.978 | 21.84 | 63.49 | 1.3 | 7.47 | 466.14 | 1.05 | 46.07 |
| 4.004 | 21.84 | 63.49 | 1.26 | 7.47 | 453.03 | 1.03 | 46.08 |
| 4.025 | 21.84 | 63.49 | 1.03 | 7.46 | 436.24 | 1.08 | 46.08 |
| 4.04 | 21.84 | 63.49 | 1.26 | 7.46 | 439.18 | 1.06 | 46.08 |
| 4.057 | 21.84 | 63.49 | 1.14 | 7.45 | 504.71 | 1.03 | 46.07 |
| 4.08 | 21.84 | 63.49 | 1.22 | 7.45 | 457.25 | 1.07 | 46.07 |
| 4.108 | 21.84 | 63.49 | 1.14 | 7.46 | 458.0 | 1.08 | 46.07 |
| 4.134 | 21.84 | 63.49 | 1.26 | 7.47 | 441.32 | 1.11 | 46.07 |
| 4.153 | 21.84 | 63.49 | 0.95 | 7.49 | 414.55 | 1.11 | 46.07 |
| 4.167 | 21.84 | 63.49 | 1.03 | 7.5 | 461.73 | 1.04 | 46.07 |
| 4.182 | 21.84 | 63.49 | 1.14 | 7.5 | 464.09 | 1.08 | 46.07 |
| 4.203 | 21.84 | 63.49 | 1.11 | 7.51 | 397.8 | 1.12 | 46.07 |

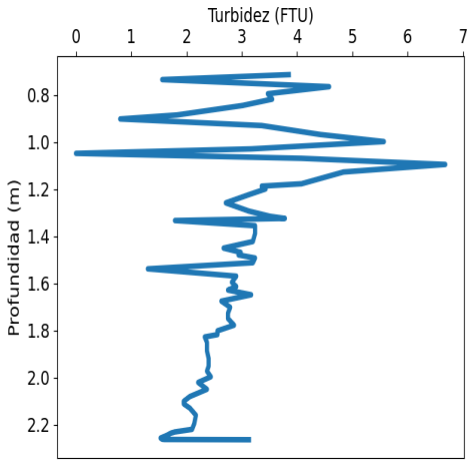
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4.227 | 21.84 | 63.49 | 1.11 | 7.51 | 424.17 | 0.98 | 46.07 |
| 4.244 | 21.84 | 63.49 | 1.11 | 7.52 | 465.38 | 1.01 | 46.07 |
| 4.247 | 21.84 | 63.49 | 1.14 | 7.51 | 458.42 | 1.08 | 46.07 |
| 4.25 | 21.84 | 63.49 | 1.26 | 7.52 | 453.88 | 1.13 | 46.07 |
| 4.258 | 21.84 | 63.49 | 1.03 | 7.52 | 425.65 | 1.05 | 46.07 |
| 4.274 | 21.84 | 63.49 | 1.03 | 7.52 | 430.41 | 1.03 | 46.07 |
| 4.29 | 21.84 | 63.49 | 1.18 | 7.51 | 471.02 | 1.02 | 46.07 |
| 4.303 | 21.84 | 63.49 | 1.18 | 7.51 | 454.61 | 1.07 | 46.08 |
| 4.319 | 21.84 | 63.49 | 1.07 | 7.51 | 410.73 | 1.12 | 46.08 |
| 4.347 | 21.84 | 63.49 | 1.11 | 7.51 | 436.24 | 1.09 | 46.07 |
| 4.375 | 21.84 | 63.5 | 1.14 | 7.52 | 445.85 | 1.09 | 46.08 |
| 4.401 | 21.84 | 63.5 | 1.26 | 7.53 | 408.45 | 1.14 | 46.07 |
| 4.419 | 21.84 | 63.5 | 1.11 | 7.54 | 379.07 | 1.03 | 46.08 |
| 4.433 | 21.84 | 63.5 | 1.03 | 7.55 | 385.45 | 1.05 | 46.08 |
| 4.452 | 21.85 | 63.5 | 1.18 | 7.57 | 417.93 | 1.06 | 46.07 |
| 4.483 | 21.85 | 63.5 | 1.03 | 7.58 | 399.46 | 1.05 | 46.07 |
| 4.513 | 21.85 | 63.5 | 1.18 | 7.6 | 375.49 | 1.05 | 46.07 |
| 4.533 | 21.85 | 63.5 | 1.22 | 7.6 | 372.11 | 1.09 | 46.07 |
| 4.546 | 21.85 | 63.5 | 1.03 | 7.6 | 440.3 | 1.1 | 46.07 |
| 4.56 | 21.84 | 63.49 | 1.26 | 7.59 | 448.33 | 1.05 | 46.07 |
| 4.583 | 21.84 | 63.49 | 1.33 | 7.59 | 411.2 | 1.14 | 46.07 |
| 4.614 | 21.84 | 63.49 | 0.99 | 7.59 | 395.04 | 1.05 | 46.07 |
| 4.64 | 21.84 | 63.49 | 1.14 | 7.58 | 393.12 | 1.11 | 46.07 |
| 4.654 | 21.84 | 63.49 | 1.26 | 7.57 | 378.99 | 1.1 | 46.07 |
| 4.668 | 21.84 | 63.49 | 1.26 | 7.56 | 381.19 | 1.11 | 46.07 |
| 4.688 | 21.84 | 63.49 | 1.14 | 7.55 | 408.92 | 1.11 | 46.07 |
| 4.715 | 21.84 | 63.49 | 1.11 | 7.53 | 363.67 | 1.16 | 46.07 |
| 4.743 | 21.84 | 63.49 | 1.18 | 7.51 | 358.98 | 1.25 | 46.07 |
| 4.768 | 21.84 | 63.49 | 1.11 | 7.5 | 372.2 | 1.14 | 46.08 |
| 4.787 | 21.84 | 63.49 | 1.03 | 7.49 | 344.47 | 1.01 | 46.07 |
| 4.8 | 21.84 | 63.49 | 1.18 | 7.47 | 375.14 | 0.96 | 46.07 |
| 4.811 | 21.84 | 63.49 | 1.03 | 7.47 | 403.37 | 1.01 | 46.07 |
| 4.828 | 21.84 | 63.49 | 1.14 | 7.47 | 359.31 | 1.09 | 46.07 |
| 4.86 | 21.84 | 63.49 | 1.14 | 7.47 | 342.88 | 0.98 | 46.07 |
| 4.896 | 21.84 | 63.49 | 1.18 | 7.48 | 327.95 | 1.01 | 46.07 |
| 4.919 | 21.84 | 63.5 | 1.22 | 7.49 | 341.85 | 1.04 | 46.08 |
| 4.926 | 21.84 | 63.5 | 1.14 | 7.5 | 366.8 | 1.07 | 46.08 |
| 4.933 | 21.85 | 63.5 | 1.14 | 7.51 | 351.08 | 1.03 | 46.08 |
| 4.952 | 21.85 | 63.5 | 1.03 | 7.53 | 339.16 | 1.11 | 46.08 |
| 4.985 | 21.85 | 63.51 | 0.95 | 7.56 | 337.99 | 1.08 | 46.08 |
| 5.011 | 21.85 | 63.5 | 1.14 | 7.6 | 321.26 | 1.07 | 46.08 |
| 5.02 | 21.85 | 63.5 | 1.26 | 7.68 | 327.65 | 1.2 | 46.07 |
| 5.021 | 21.85 | 63.5 | 1.14 | 7.72 | 338.53 | 1.1 | 46.07 |
| 5.025 | 21.85 | 63.5 | 1.18 | 7.74 | 323.57 | 1.13 | 46.07 |
| 5.028 | 21.85 | 63.5 | 1.22 | 7.74 | 331.01 | 1.1 | 46.07 |

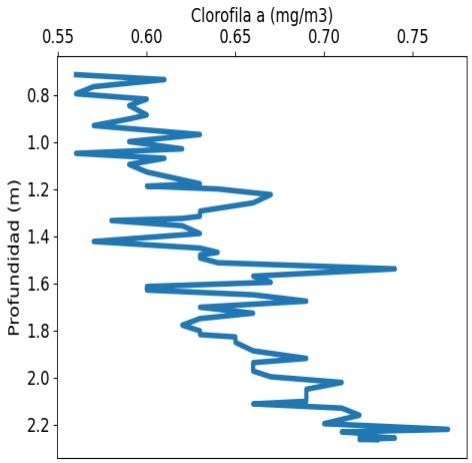
**Nombre: CTD E09 - Punto 020** **Fecha: 22/10/2024** **Hora: 12:10:21**

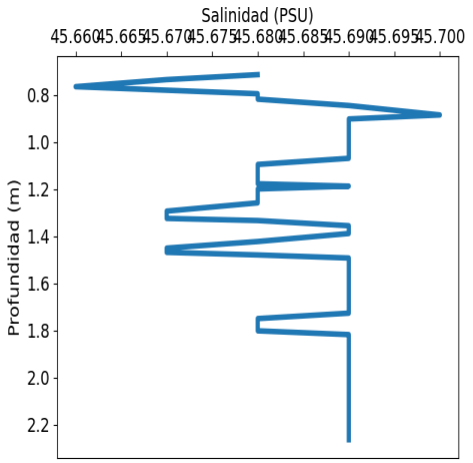


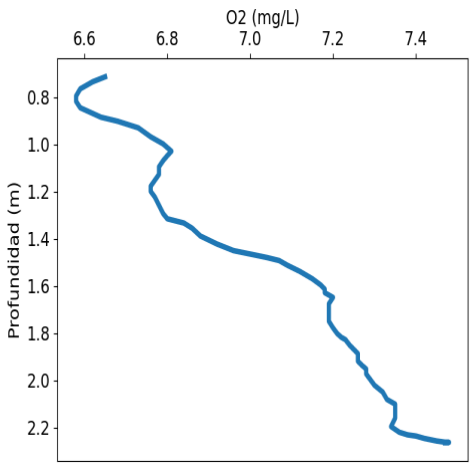



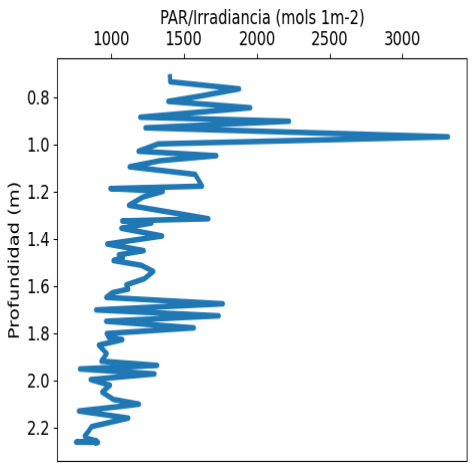



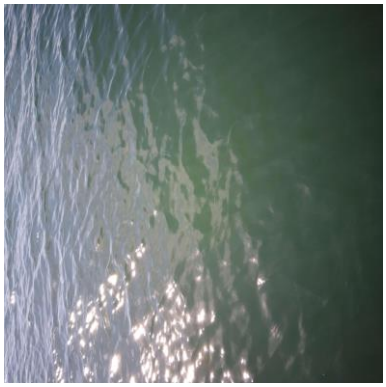



| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 21.86 | 63.06 | 0.0 | 6.58 | 755.94 | 0.56 | 45.66 |
| **PROF (metros)** | 2.1 | 1.886 | 1.048 | 0.795 | 2.261 | 0.714 | 0.765 |
| **MÁXIMO** | 22.03 | 22.03 | 6.68 | 7.48 | 3314.3 | 0.77 | 45.7 |
| **PROF (metros)** | 0.714 | 0.714 | 1.095 | 2.262 | 0.968 | 2.219 | 0.885 |

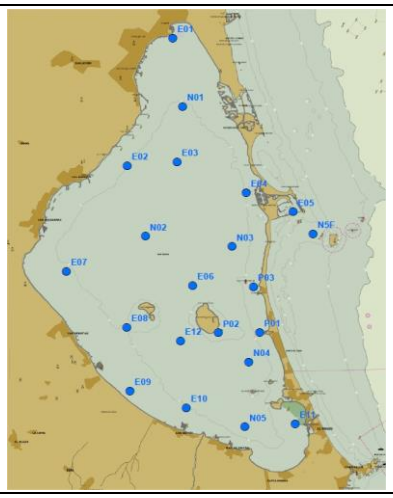
| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E09 - Punto 020 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 22.01 | 63.23 | 3.27 | 6.66 | 1721.14 | 0.59 | 45.68 |
| 1 - 2m | 21.92 | 63.12 | 3.01 | 7.04 | 1182.78 | 0.64 | 45.69 |
| 2 - 3m | 21.87 | 63.06 | 2.0 | 7.38 | 918.6 | 0.71 | 45.69 |

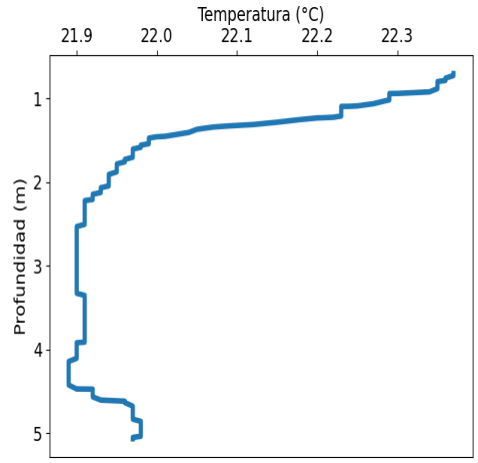
| OBSERVACIONES GENERALES |
|---|
| |

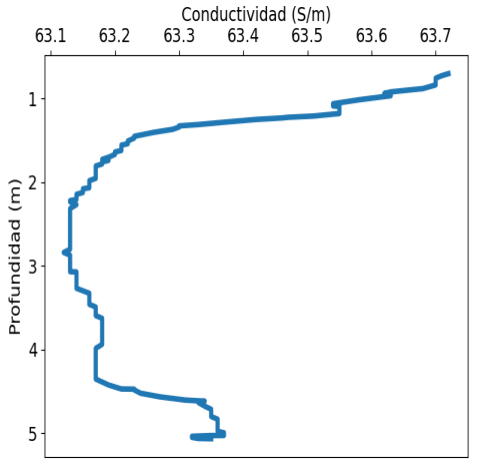
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.714 | 22.03 | 63.26 | 3.85 | 6.65 | 1402.3 | 0.56 | 45.68 |
| 0.735 | 22.03 | 63.25 | 1.56 | 6.62 | 1403.9 | 0.61 | 45.67 |
| 0.765 | 22.02 | 63.22 | 4.58 | 6.59 | 1878.3 | 0.57 | 45.66 |
| 0.795 | 22.0 | 63.22 | 3.47 | 6.58 | 1614.5 | 0.56 | 45.68 |
| 0.818 | 22.0 | 63.21 | 3.55 | 6.58 | 1390.3 | 0.6 | 45.68 |
| 0.845 | 21.99 | 63.22 | 3.01 | 6.59 | 1954.7 | 0.59 | 45.69 |
| 0.885 | 21.99 | 63.24 | 1.83 | 6.64 | 1197.3 | 0.6 | 45.7 |
| 0.902 | 22.0 | 63.24 | 0.8 | 6.68 | 2221.5 | 0.59 | 45.69 |
| 0.93 | 22.0 | 63.23 | 3.36 | 6.73 | 1233.0 | 0.57 | 45.69 |
| 0.968 | 22.0 | 63.23 | 4.42 | 6.76 | 3314.3 | 0.63 | 45.69 |
| 0.998 | 22.0 | 63.23 | 5.57 | 6.79 | 1322.4 | 0.59 | 45.69 |
| 1.029 | 22.0 | 63.23 | 3.17 | 6.81 | 1185.7 | 0.62 | 45.69 |
| 1.048 | 22.0 | 63.23 | 0.0 | 6.8 | 1721.6 | 0.56 | 45.69 |
| 1.069 | 22.0 | 63.23 | 4.08 | 6.79 | 1335.4 | 0.61 | 45.69 |
| 1.095 | 22.0 | 63.22 | 6.68 | 6.78 | 1124.1 | 0.59 | 45.68 |
| 1.127 | 21.99 | 63.21 | 4.84 | 6.78 | 1575.7 | 0.6 | 45.68 |
| 1.177 | 21.98 | 63.2 | 4.08 | 6.76 | 1623.2 | 0.63 | 45.68 |
| 1.187 | 21.98 | 63.2 | 3.36 | 6.76 | 992.34 | 0.6 | 45.69 |
| 1.199 | 21.98 | 63.19 | 3.43 | 6.76 | 1354.4 | 0.64 | 45.68 |
| 1.223 | 21.97 | 63.19 | 3.13 | 6.77 | 1216.3 | 0.67 | 45.68 |
| 1.258 | 21.97 | 63.18 | 2.71 | 6.78 | 1120.0 | 0.66 | 45.68 |
| 1.293 | 21.96 | 63.17 | 3.13 | 6.79 | 1457.0 | 0.63 | 45.67 |
| 1.315 | 21.96 | 63.15 | 3.51 | 6.8 | 1667.0 | 0.63 | 45.67 |
| 1.324 | 21.95 | 63.14 | 3.78 | 6.82 | 1073.5 | 0.62 | 45.67 |
| 1.333 | 21.94 | 63.14 | 1.79 | 6.84 | 1276.1 | 0.58 | 45.68 |
| 1.355 | 21.93 | 63.14 | 3.24 | 6.86 | 1067.3 | 0.62 | 45.69 |
| 1.388 | 21.93 | 63.15 | 3.24 | 6.88 | 1349.1 | 0.63 | 45.69 |
| 1.422 | 21.93 | 63.13 | 3.2 | 6.92 | 970.5 | 0.57 | 45.68 |
| 1.45 | 21.93 | 63.11 | 2.67 | 6.96 | 1222.8 | 0.63 | 45.67 |
| 1.468 | 21.92 | 63.1 | 2.98 | 7.01 | 1050.3 | 0.64 | 45.67 |
| 1.479 | 21.91 | 63.11 | 2.94 | 7.04 | 1079.9 | 0.63 | 45.68 |
| 1.492 | 21.9 | 63.1 | 3.24 | 7.07 | 1013.7 | 0.63 | 45.69 |
| 1.512 | 21.9 | 63.1 | 3.2 | 7.09 | 1205.1 | 0.64 | 45.69 |
| 1.538 | 21.9 | 63.1 | 1.3 | 7.12 | 1288.0 | 0.74 | 45.69 |
| 1.569 | 21.9 | 63.1 | 2.9 | 7.15 | 1226.5 | 0.66 | 45.69 |
| 1.595 | 21.9 | 63.1 | 2.82 | 7.17 | 1101.7 | 0.67 | 45.69 |
| 1.613 | 21.89 | 63.1 | 2.9 | 7.18 | 1116.1 | 0.6 | 45.69 |
| 1.628 | 21.89 | 63.1 | 2.75 | 7.18 | 1006.5 | 0.6 | 45.69 |
| 1.648 | 21.89 | 63.1 | 3.17 | 7.2 | 963.78 | 0.66 | 45.69 |

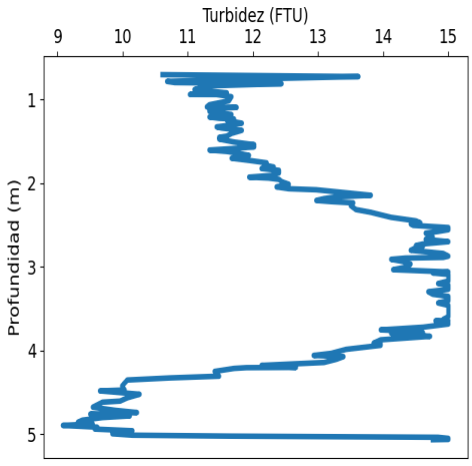
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.675 | 21.89 | 63.1 | 2.63 | 7.19 | 1766.4 | 0.69 | 45.69 |
| 1.701 | 21.9 | 63.1 | 2.79 | 7.19 | 894.26 | 0.63 | 45.69 |
| 1.726 | 21.89 | 63.09 | 2.75 | 7.19 | 1738.0 | 0.66 | 45.69 |
| 1.749 | 21.89 | 63.09 | 2.75 | 7.19 | 962.66 | 0.63 | 45.68 |
| 1.777 | 21.89 | 63.08 | 2.86 | 7.2 | 1567.0 | 0.62 | 45.68 |
| 1.801 | 21.88 | 63.08 | 2.56 | 7.21 | 966.91 | 0.63 | 45.68 |
| 1.817 | 21.88 | 63.07 | 2.56 | 7.22 | 981.36 | 0.63 | 45.69 |
| 1.827 | 21.88 | 63.07 | 2.33 | 7.23 | 1075.7 | 0.65 | 45.69 |
| 1.85 | 21.87 | 63.07 | 2.37 | 7.24 | 912.69 | 0.65 | 45.69 |
| 1.886 | 21.87 | 63.06 | 2.37 | 7.26 | 967.81 | 0.66 | 45.69 |
| 1.918 | 21.87 | 63.06 | 2.4 | 7.26 | 930.63 | 0.69 | 45.69 |
| 1.936 | 21.87 | 63.06 | 2.4 | 7.27 | 1314.8 | 0.66 | 45.69 |
| 1.951 | 21.87 | 63.06 | 2.4 | 7.28 | 783.23 | 0.66 | 45.69 |
| 1.972 | 21.87 | 63.06 | 2.37 | 7.28 | 1296.6 | 0.66 | 45.69 |
| 1.996 | 21.87 | 63.06 | 2.44 | 7.29 | 856.53 | 0.67 | 45.69 |
| 2.02 | 21.87 | 63.06 | 2.21 | 7.3 | 990.73 | 0.71 | 45.69 |
| 2.049 | 21.87 | 63.06 | 2.37 | 7.32 | 936.26 | 0.69 | 45.69 |
| 2.08 | 21.87 | 63.06 | 2.06 | 7.33 | 1013.0 | 0.69 | 45.69 |
| 2.1 | 21.86 | 63.06 | 1.95 | 7.35 | 1190.1 | 0.69 | 45.69 |
| 2.111 | 21.86 | 63.06 | 1.95 | 7.35 | 1042.1 | 0.66 | 45.69 |
| 2.129 | 21.86 | 63.06 | 2.06 | 7.35 | 776.0 | 0.71 | 45.69 |
| 2.159 | 21.87 | 63.06 | 2.17 | 7.35 | 1116.3 | 0.72 | 45.69 |
| 2.195 | 21.87 | 63.06 | 2.14 | 7.34 | 863.91 | 0.7 | 45.69 |
| 2.219 | 21.87 | 63.06 | 2.1 | 7.36 | 837.49 | 0.77 | 45.69 |
| 2.23 | 21.87 | 63.06 | 1.79 | 7.38 | 821.53 | 0.71 | 45.69 |
| 2.235 | 21.87 | 63.06 | 1.72 | 7.4 | 816.03 | 0.72 | 45.69 |
| 2.245 | 21.87 | 63.06 | 1.64 | 7.42 | 832.84 | 0.72 | 45.69 |
| 2.256 | 21.87 | 63.06 | 1.53 | 7.45 | 899.04 | 0.74 | 45.69 |
| 2.261 | 21.87 | 63.07 | 1.56 | 7.47 | 755.94 | 0.72 | 45.69 |
| 2.262 | 21.87 | 63.07 | 1.6 | 7.48 | 907.84 | 0.72 | 45.69 |
| 2.263 | 21.87 | 63.07 | 3.13 | 7.47 | 898.42 | 0.73 | 45.69 |

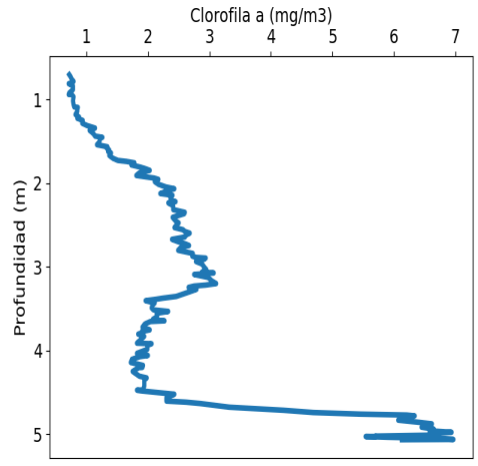
**Nombre: CTD E08 - Punto 021** **Fecha: 22/10/2024** **Hora: 12:10:11**

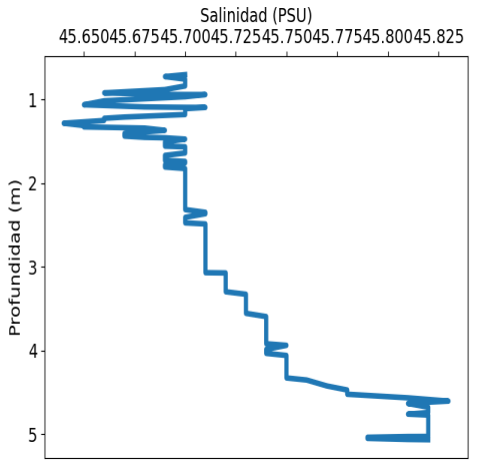


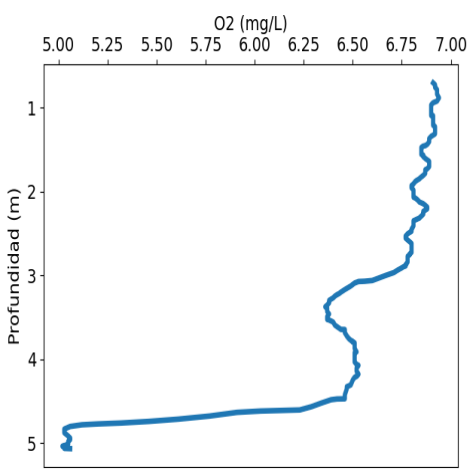



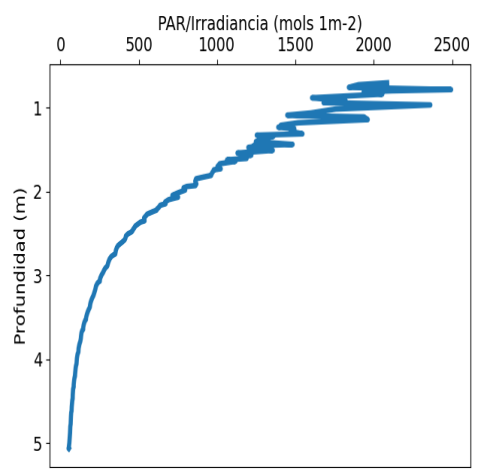




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 21.89 | 63.12 | 9.08 | 5.03 | 51.55 | 0.71 | 45.64 |
| **PROF (metros)** | 4.145 | 2.841 | 4.898 | 4.835 | 5.066 | 0.81 | 1.283 |
| **MÁXIMO** | 22.37 | 22.37 | 15.0 | 6.94 | 2493.9 | 6.97 | 45.83 |
| **PROF (metros)** | 0.702 | 0.702 | 2.531 | 0.881 | 0.783 | 5.066 | 4.607 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E08 - Punto 021 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 22.34 | 63.68 | 11.51 | 6.92 | 1967.57 | 0.75 | 45.69 |
| 1 - 2m | 22.05 | 63.3 | 11.79 | 6.87 | 1230.93 | 1.31 | 45.69 |
| 2 - 3m | 21.91 | 63.13 | 14.1 | 6.8 | 470.67 | 2.52 | 45.7 |
| 3 - 4m | 21.91 | 63.16 | 14.84 | 6.46 | 172.28 | 2.33 | 45.73 |
| 4 - 5m | 21.94 | 63.27 | 10.58 | 5.9 | 75.21 | 3.67 | 45.79 |
| 5 - 6m | 21.98 | 63.35 | 13.58 | 5.04 | 54.34 | 6.15 | 45.81 |

| OBSERVACIONES GENERALES |
|---|
| CLOROFILA elevada en la(s) columna(s) de agua 2 - 3m, 3 - 4m, 4 - 5m, 5 - 6m con los valores 2.52, 2.33, 3.67, 6.15 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) |
| 0.702 | 22.37 | 63.72 | 10.61 | 6.91 | 2085.3 | 0.72 | 45.7 |
| 0.725 | 22.37 | 63.71 | 13.62 | 6.92 | 1902.9 | 0.74 | 45.69 |
| 0.756 | 22.36 | 63.7 | 11.86 | 6.92 | 1840.4 | 0.76 | 45.7 |
| 0.783 | 22.36 | 63.7 | 10.68 | 6.93 | 2493.9 | 0.79 | 45.7 |
| 0.797 | 22.35 | 63.7 | 10.8 | 6.93 | 2116.5 | 0.77 | 45.7 |
| 0.81 | 22.35 | 63.7 | 12.44 | 6.93 | 1934.9 | 0.71 | 45.7 |
| 0.837 | 22.35 | 63.7 | 11.29 | 6.93 | 2054.6 | 0.78 | 45.7 |
| 0.881 | 22.35 | 63.68 | 11.1 | 6.94 | 1605.6 | 0.78 | 45.69 |
| 0.92 | 22.34 | 63.63 | 11.6 | 6.93 | 1820.9 | 0.72 | 45.66 |
| 0.939 | 22.3 | 63.62 | 11.03 | 6.91 | 1679.4 | 0.71 | 45.69 |
| 0.94 | 22.29 | 63.63 | 11.44 | 6.91 | 1715.2 | 0.76 | 45.71 |
| 0.966 | 22.29 | 63.63 | 11.67 | 6.9 | 2361.2 | 0.79 | 45.7 |
| 1.015 | 22.29 | 63.58 | 11.63 | 6.9 | 1757.1 | 0.78 | 45.66 |
| 1.062 | 22.27 | 63.54 | 11.33 | 6.9 | 1598.5 | 0.79 | 45.65 |
| 1.088 | 22.25 | 63.54 | 11.29 | 6.9 | 1447.5 | 0.8 | 45.68 |
| 1.093 | 22.24 | 63.55 | 11.41 | 6.9 | 1502.6 | 0.85 | 45.7 |
| 1.094 | 22.23 | 63.55 | 11.75 | 6.91 | 1505.0 | 0.86 | 45.71 |
| 1.109 | 22.23 | 63.55 | 11.33 | 6.91 | 1937.6 | 0.85 | 45.7 |
| 1.141 | 22.23 | 63.55 | 11.33 | 6.91 | 1962.0 | 0.85 | 45.7 |
| 1.179 | 22.23 | 63.55 | 11.67 | 6.91 | 1516.9 | 0.82 | 45.7 |
| 1.209 | 22.23 | 63.51 | 11.33 | 6.91 | 1406.5 | 0.88 | 45.67 |
| 1.224 | 22.22 | 63.47 | 11.48 | 6.92 | 1415.7 | 0.85 | 45.66 |
| 1.232 | 22.2 | 63.46 | 11.71 | 6.92 | 1390.0 | 0.88 | 45.66 |
| 1.25 | 22.18 | 63.42 | 11.6 | 6.92 | 1493.2 | 0.94 | 45.66 |
| 1.283 | 22.15 | 63.37 | 11.83 | 6.92 | 1471.6 | 0.93 | 45.64 |
| 1.311 | 22.12 | 63.33 | 11.6 | 6.92 | 1545.0 | 1.01 | 45.65 |
| 1.327 | 22.09 | 63.3 | 11.44 | 6.91 | 1252.9 | 1.08 | 45.65 |
| 1.341 | 22.07 | 63.3 | 11.52 | 6.9 | 1359.4 | 1.14 | 45.68 |
| 1.368 | 22.05 | 63.29 | 11.83 | 6.89 | 1295.1 | 1.05 | 45.69 |
| 1.405 | 22.04 | 63.26 | 11.67 | 6.89 | 1246.5 | 1.11 | 45.67 |
| 1.437 | 22.02 | 63.24 | 11.6 | 6.88 | 1482.2 | 1.14 | 45.67 |
| 1.452 | 22.01 | 63.23 | 11.48 | 6.87 | 1232.5 | 1.26 | 45.68 |
| 1.457 | 22.0 | 63.23 | 11.56 | 6.86 | 1254.4 | 1.21 | 45.69 |
| 1.473 | 21.99 | 63.23 | 11.48 | 6.85 | 1198.9 | 1.22 | 45.7 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.508 | 21.99 | 63.22 | 11.71 | 6.85 | 1355.6 | 1.21 | 45.69 |
| 1.54 | 21.99 | 63.22 | 12.02 | 6.85 | 1129.6 | 1.17 | 45.69 |
| 1.557 | 21.98 | 63.21 | 11.79 | 6.85 | 1190.1 | 1.29 | 45.69 |
| 1.565 | 21.98 | 63.21 | 12.02 | 6.86 | 1218.8 | 1.34 | 45.7 |
| 1.583 | 21.98 | 63.21 | 11.75 | 6.86 | 1173.6 | 1.33 | 45.7 |
| 1.604 | 21.97 | 63.21 | 11.33 | 6.87 | 1188.7 | 1.37 | 45.7 |
| 1.621 | 21.97 | 63.21 | 11.6 | 6.88 | 1063.5 | 1.35 | 45.7 |
| 1.639 | 21.97 | 63.2 | 11.75 | 6.89 | 1116.6 | 1.4 | 45.7 |
| 1.668 | 21.97 | 63.2 | 11.94 | 6.89 | 1016.8 | 1.37 | 45.69 |
| 1.702 | 21.97 | 63.19 | 11.67 | 6.89 | 1001.8 | 1.43 | 45.69 |
| 1.728 | 21.96 | 63.18 | 11.94 | 6.88 | 1023.2 | 1.51 | 45.69 |
| 1.74 | 21.96 | 63.19 | 12.05 | 6.87 | 979.09 | 1.65 | 45.7 |
| 1.757 | 21.96 | 63.18 | 12.21 | 6.87 | 974.79 | 1.78 | 45.7 |
| 1.782 | 21.95 | 63.18 | 12.17 | 6.87 | 966.46 | 1.73 | 45.69 |
| 1.807 | 21.95 | 63.17 | 12.32 | 6.86 | 961.77 | 1.87 | 45.69 |
| 1.825 | 21.95 | 63.17 | 12.13 | 6.85 | 916.72 | 1.95 | 45.7 |
| 1.847 | 21.95 | 63.17 | 12.4 | 6.84 | 865.71 | 2.03 | 45.7 |
| 1.877 | 21.95 | 63.17 | 12.4 | 6.82 | 859.91 | 1.86 | 45.7 |
| 1.908 | 21.94 | 63.17 | 12.28 | 6.81 | 867.72 | 1.81 | 45.7 |
| 1.928 | 21.94 | 63.17 | 11.94 | 6.8 | 861.71 | 1.99 | 45.7 |
| 1.939 | 21.94 | 63.17 | 12.24 | 6.8 | 807.0 | 2.1 | 45.7 |
| 1.955 | 21.94 | 63.17 | 12.4 | 6.8 | 785.41 | 2.17 | 45.7 |
| 1.982 | 21.94 | 63.16 | 12.44 | 6.81 | 796.22 | 2.11 | 45.7 |
| 2.013 | 21.94 | 63.16 | 12.55 | 6.81 | 752.27 | 2.17 | 45.7 |
| 2.045 | 21.94 | 63.16 | 12.36 | 6.81 | 714.37 | 2.29 | 45.7 |
| 2.067 | 21.93 | 63.16 | 12.55 | 6.81 | 751.22 | 2.43 | 45.7 |
| 2.079 | 21.93 | 63.15 | 12.97 | 6.82 | 725.05 | 2.37 | 45.7 |
| 2.097 | 21.93 | 63.15 | 13.2 | 6.83 | 690.29 | 2.3 | 45.7 |
| 2.124 | 21.93 | 63.15 | 13.54 | 6.84 | 668.4 | 2.2 | 45.7 |
| 2.145 | 21.92 | 63.14 | 13.81 | 6.86 | 671.2 | 2.4 | 45.7 |
| 2.164 | 21.92 | 63.14 | 13.28 | 6.87 | 636.5 | 2.36 | 45.7 |
| 2.185 | 21.92 | 63.14 | 13.09 | 6.88 | 629.31 | 2.38 | 45.7 |
| 2.207 | 21.92 | 63.14 | 12.97 | 6.88 | 617.03 | 2.37 | 45.7 |
| 2.221 | 21.91 | 63.13 | 13.2 | 6.87 | 613.61 | 2.45 | 45.7 |
| 2.236 | 21.91 | 63.13 | 13.54 | 6.86 | 593.75 | 2.33 | 45.7 |
| 2.269 | 21.91 | 63.14 | 13.5 | 6.86 | 553.86 | 2.41 | 45.7 |
| 2.316 | 21.91 | 63.13 | 13.58 | 6.84 | 533.21 | 2.41 | 45.7 |
| 2.349 | 21.91 | 63.13 | 13.81 | 6.81 | 536.93 | 2.6 | 45.71 |
| 2.365 | 21.91 | 63.13 | 13.89 | 6.81 | 510.59 | 2.59 | 45.71 |
| 2.409 | 21.91 | 63.13 | 14.12 | 6.81 | 479.17 | 2.4 | 45.7 |
| 2.451 | 21.91 | 63.13 | 14.5 | 6.8 | 464.09 | 2.45 | 45.7 |
| 2.475 | 21.91 | 63.13 | 14.57 | 6.8 | 457.15 | 2.5 | 45.7 |
| 2.488 | 21.91 | 63.13 | 14.42 | 6.79 | 447.4 | 2.48 | 45.71 |
| 2.505 | 21.91 | 63.13 | 14.46 | 6.78 | 430.61 | 2.46 | 45.71 |
| 2.531 | 21.9 | 63.13 | 15.0 | 6.77 | 417.64 | 2.43 | 45.71 |
| 2.557 | 21.9 | 63.13 | 15.0 | 6.77 | 414.65 | 2.57 | 45.71 |
| 2.578 | 21.9 | 63.13 | 14.84 | 6.78 | 408.73 | 2.6 | 45.71 |
| 2.598 | 21.9 | 63.13 | 14.65 | 6.79 | 397.34 | 2.68 | 45.71 |
| 2.619 | 21.9 | 63.13 | 14.69 | 6.8 | 383.67 | 2.62 | 45.71 |
| 2.644 | 21.9 | 63.13 | 14.76 | 6.8 | 367.99 | 2.6 | 45.71 |
| 2.672 | 21.9 | 63.13 | 14.65 | 6.8 | 359.15 | 2.39 | 45.71 |
| 2.7 | 21.9 | 63.13 | 15.0 | 6.8 | 353.94 | 2.49 | 45.71 |
| 2.727 | 21.9 | 63.13 | 14.61 | 6.8 | 351.41 | 2.61 | 45.71 |
| 2.746 | 21.9 | 63.13 | 14.5 | 6.79 | 349.29 | 2.67 | 45.71 |
| 2.756 | 21.9 | 63.13 | 14.61 | 6.79 | 338.69 | 2.6 | 45.71 |
| 2.773 | 21.9 | 63.13 | 14.5 | 6.78 | 326.06 | 2.53 | 45.71 |
| 2.803 | 21.9 | 63.13 | 14.42 | 6.78 | 313.97 | 2.49 | 45.71 |
| 2.841 | 21.9 | 63.12 | 14.92 | 6.78 | 306.07 | 2.73 | 45.71 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2.873 | 21.9 | 63.13 | 15.0 | 6.77 | 301.14 | 2.72 | 45.71 |
| 2.888 | 21.9 | 63.13 | 14.92 | 6.77 | 298.99 | 2.78 | 45.71 |
| 2.896 | 21.9 | 63.13 | 14.34 | 6.76 | 295.13 | 2.94 | 45.71 |
| 2.911 | 21.9 | 63.13 | 14.12 | 6.75 | 287.37 | 2.91 | 45.71 |
| 2.937 | 21.9 | 63.13 | 14.3 | 6.73 | 278.71 | 2.78 | 45.71 |
| 2.967 | 21.9 | 63.13 | 14.42 | 6.71 | 271.57 | 2.88 | 45.71 |
| 3.0 | 21.9 | 63.13 | 14.38 | 6.67 | 261.2 | 2.91 | 45.71 |
| 3.035 | 21.9 | 63.13 | 14.15 | 6.63 | 253.44 | 2.95 | 45.71 |
| 3.062 | 21.9 | 63.13 | 15.0 | 6.6 | 250.81 | 2.88 | 45.71 |
| 3.071 | 21.9 | 63.13 | 14.84 | 6.56 | 251.05 | 3.0 | 45.71 |
| 3.074 | 21.9 | 63.14 | 14.76 | 6.53 | 246.83 | 3.07 | 45.72 |
| 3.092 | 21.9 | 63.14 | 15.0 | 6.51 | 236.53 | 2.75 | 45.72 |
| 3.128 | 21.9 | 63.14 | 15.0 | 6.49 | 226.97 | 2.98 | 45.72 |
| 3.17 | 21.9 | 63.14 | 15.0 | 6.46 | 221.97 | 3.04 | 45.72 |
| 3.201 | 21.9 | 63.14 | 14.84 | 6.44 | 217.09 | 3.11 | 45.72 |
| 3.219 | 21.9 | 63.14 | 15.0 | 6.43 | 214.59 | 2.94 | 45.72 |
| 3.231 | 21.9 | 63.14 | 15.0 | 6.42 | 212.02 | 2.75 | 45.72 |
| 3.247 | 21.9 | 63.14 | 15.0 | 6.41 | 209.04 | 2.66 | 45.72 |
| 3.27 | 21.9 | 63.14 | 15.0 | 6.4 | 202.7 | 2.79 | 45.72 |
| 3.299 | 21.9 | 63.15 | 14.69 | 6.38 | 196.63 | 2.68 | 45.72 |
| 3.329 | 21.9 | 63.16 | 14.76 | 6.38 | 191.77 | 2.56 | 45.73 |
| 3.355 | 21.91 | 63.16 | 15.0 | 6.37 | 189.17 | 2.46 | 45.73 |
| 3.376 | 21.91 | 63.16 | 15.0 | 6.36 | 187.73 | 2.24 | 45.73 |
| 3.389 | 21.91 | 63.16 | 15.0 | 6.37 | 185.35 | 2.13 | 45.73 |
| 3.406 | 21.91 | 63.16 | 15.0 | 6.37 | 180.39 | 1.96 | 45.73 |
| 3.433 | 21.91 | 63.16 | 14.84 | 6.37 | 174.59 | 2.11 | 45.73 |
| 3.462 | 21.91 | 63.16 | 15.0 | 6.38 | 169.45 | 2.07 | 45.73 |
| 3.493 | 21.91 | 63.17 | 15.0 | 6.37 | 164.88 | 2.06 | 45.73 |
| 3.516 | 21.91 | 63.17 | 15.0 | 6.37 | 162.75 | 2.09 | 45.73 |
| 3.527 | 21.91 | 63.17 | 15.0 | 6.37 | 162.94 | 2.24 | 45.73 |
| 3.534 | 21.91 | 63.17 | 15.0 | 6.38 | 159.58 | 2.33 | 45.73 |
| 3.557 | 21.91 | 63.17 | 15.0 | 6.4 | 153.13 | 2.14 | 45.73 |
| 3.596 | 21.91 | 63.17 | 15.0 | 6.41 | 147.52 | 2.15 | 45.74 |
| 3.629 | 21.91 | 63.18 | 14.92 | 6.43 | 144.87 | 2.08 | 45.74 |
| 3.646 | 21.91 | 63.18 | 15.0 | 6.44 | 145.11 | 2.11 | 45.74 |
| 3.647 | 21.91 | 63.18 | 14.8 | 6.46 | 144.07 | 2.27 | 45.74 |
| 3.655 | 21.91 | 63.18 | 14.92 | 6.46 | 139.41 | 2.04 | 45.74 |
| 3.685 | 21.91 | 63.18 | 15.0 | 6.46 | 134.27 | 1.95 | 45.74 |
| 3.723 | 21.91 | 63.18 | 14.61 | 6.47 | 131.56 | 1.91 | 45.74 |
| 3.755 | 21.91 | 63.18 | 13.96 | 6.48 | 129.89 | 2.03 | 45.74 |
| 3.775 | 21.91 | 63.18 | 14.53 | 6.49 | 128.19 | 1.9 | 45.74 |
| 3.788 | 21.91 | 63.18 | 14.61 | 6.5 | 126.62 | 1.92 | 45.74 |
| 3.796 | 21.91 | 63.18 | 14.12 | 6.5 | 125.54 | 1.89 | 45.74 |
| 3.806 | 21.91 | 63.18 | 14.34 | 6.51 | 123.29 | 1.84 | 45.74 |
| 3.832 | 21.91 | 63.18 | 14.72 | 6.51 | 119.8 | 1.94 | 45.74 |
| 3.874 | 21.91 | 63.18 | 13.96 | 6.51 | 115.57 | 1.88 | 45.74 |
| 3.914 | 21.91 | 63.18 | 13.85 | 6.52 | 114.4 | 1.82 | 45.74 |
| 3.921 | 21.9 | 63.18 | 13.96 | 6.51 | 113.37 | 2.06 | 45.74 |
| 3.94 | 21.9 | 63.18 | 13.96 | 6.51 | 109.12 | 1.99 | 45.75 |
| 3.988 | 21.9 | 63.17 | 13.43 | 6.51 | 105.05 | 1.99 | 45.74 |
| 4.036 | 21.9 | 63.17 | 13.2 | 6.51 | 103.04 | 1.82 | 45.74 |
| 4.061 | 21.9 | 63.17 | 12.93 | 6.52 | 102.12 | 2.0 | 45.75 |
| 4.075 | 21.9 | 63.17 | 13.39 | 6.53 | 99.38 | 1.87 | 45.75 |
| 4.107 | 21.9 | 63.17 | 13.28 | 6.52 | 96.79 | 1.74 | 45.75 |
| 4.145 | 21.89 | 63.17 | 13.09 | 6.52 | 94.84 | 1.72 | 45.75 |
| 4.18 | 21.89 | 63.17 | 12.13 | 6.53 | 93.23 | 1.92 | 45.75 |
| 4.204 | 21.89 | 63.17 | 12.66 | 6.52 | 92.64 | 1.91 | 45.75 |
| 4.207 | 21.89 | 63.17 | 11.9 | 6.52 | 92.43 | 1.85 | 45.75 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4.216 | 21.89 | 63.17 | 11.71 | 6.51 | 90.1 | 1.83 | 45.75 |
| 4.252 | 21.89 | 63.17 | 11.41 | 6.5 | 87.23 | 1.75 | 45.75 |
| 4.309 | 21.89 | 63.17 | 11.48 | 6.49 | 84.21 | 1.86 | 45.75 |
| 4.33 | 21.89 | 63.17 | 10.72 | 6.47 | 84.64 | 1.98 | 45.75 |
| 4.355 | 21.89 | 63.17 | 10.07 | 6.47 | 80.71 | 1.94 | 45.76 |
| 4.426 | 21.89 | 63.19 | 9.99 | 6.46 | 78.24 | 1.94 | 45.77 |
| 4.474 | 21.9 | 63.21 | 10.03 | 6.46 | 77.9 | 1.92 | 45.78 |
| 4.476 | 21.92 | 63.23 | 9.96 | 6.42 | 77.61 | 1.82 | 45.78 |
| 4.485 | 21.92 | 63.23 | 9.65 | 6.39 | 75.92 | 1.89 | 45.78 |
| 4.525 | 21.92 | 63.24 | 10.26 | 6.34 | 73.77 | 2.43 | 45.78 |
| 4.568 | 21.92 | 63.27 | 10.07 | 6.29 | 71.9 | 2.3 | 45.81 |
| 4.607 | 21.93 | 63.31 | 9.96 | 6.23 | 71.08 | 2.3 | 45.83 |
| 4.62 | 21.96 | 63.34 | 9.69 | 6.03 | 70.79 | 2.62 | 45.82 |
| 4.636 | 21.96 | 63.33 | 9.65 | 5.91 | 68.59 | 2.85 | 45.81 |
| 4.68 | 21.97 | 63.34 | 9.54 | 5.77 | 67.02 | 3.32 | 45.82 |
| 4.717 | 21.97 | 63.35 | 9.88 | 5.61 | 66.25 | 4.21 | 45.82 |
| 4.744 | 21.97 | 63.35 | 10.22 | 5.46 | 65.79 | 4.69 | 45.82 |
| 4.763 | 21.97 | 63.35 | 9.5 | 5.32 | 65.18 | 5.45 | 45.81 |
| 4.774 | 21.97 | 63.35 | 9.69 | 5.2 | 64.96 | 6.21 | 45.82 |
| 4.784 | 21.97 | 63.35 | 10.11 | 5.12 | 64.04 | 6.34 | 45.82 |
| 4.804 | 21.97 | 63.35 | 9.69 | 5.06 | 62.69 | 6.24 | 45.82 |
| 4.835 | 21.97 | 63.36 | 9.38 | 5.03 | 62.11 | 6.07 | 45.82 |
| 4.861 | 21.98 | 63.36 | 9.31 | 5.03 | 61.45 | 6.41 | 45.82 |
| 4.88 | 21.98 | 63.36 | 9.54 | 5.03 | 60.96 | 6.62 | 45.82 |
| 4.898 | 21.98 | 63.36 | 9.08 | 5.04 | 60.23 | 6.58 | 45.82 |
| 4.919 | 21.98 | 63.36 | 9.61 | 5.05 | 59.37 | 6.45 | 45.82 |
| 4.942 | 21.98 | 63.36 | 9.57 | 5.06 | 58.7 | 6.65 | 45.82 |
| 4.962 | 21.98 | 63.36 | 10.15 | 5.06 | 58.0 | 6.58 | 45.82 |
| 4.98 | 21.98 | 63.36 | 9.84 | 5.05 | 57.49 | 6.94 | 45.82 |
| 4.998 | 21.98 | 63.37 | 9.84 | 5.05 | 56.69 | 6.59 | 45.82 |
| 5.015 | 21.98 | 63.37 | 10.15 | 5.05 | 55.83 | 6.55 | 45.82 |
| 5.026 | 21.98 | 63.37 | 11.63 | 5.04 | 55.39 | 5.7 | 45.82 |
| 5.03 | 21.98 | 63.37 | 12.55 | 5.04 | 55.32 | 5.71 | 45.82 |
| 5.031 | 21.98 | 63.35 | 13.05 | 5.03 | 55.34 | 5.54 | 45.81 |
| 5.04 | 21.98 | 63.32 | 14.84 | 5.02 | 54.72 | 5.9 | 45.79 |
| 5.053 | 21.97 | 63.32 | 15.0 | 5.03 | 53.46 | 6.7 | 45.79 |
| 5.066 | 21.97 | 63.33 | 15.0 | 5.03 | 51.55 | 6.97 | 45.81 |
| 5.069 | 21.97 | 63.35 | 14.76 | 5.06 | 53.07 | 6.13 | 45.82 |